

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100520\
 Data File : VN063865.D
 Acq On : 5 Oct 2020 12:57
 Operator : JC/MD
 Sample : VN1005MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/6/2020 12:56:37 PM

Quant Time: Oct 06 02:01:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	270689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	439139	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	414738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	192488	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	219552	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
35) Dibromofluoromethane	7.55	113	151484	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
50) Toluene-d8	10.06	98	549845	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
62) 4-Bromofluorobenzene	12.38	95	204143	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	52349	18.328	ug/l	98
3) Chloromethane	2.04	50	58968	17.595	ug/l	98
4) Vinyl Chloride	2.17	62	57127	16.981	ug/l	97
5) Bromomethane	2.54	94	40250	19.022	ug/l	95
6) Chloroethane	2.68	64	38138	18.972	ug/l	98
7) Trichlorofluoromethane	2.99	101	100802	18.893	ug/l	99
8) Diethyl Ether	3.38	74	34683	19.221	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	52889	18.546	ug/l	97
10) Methyl Iodide	3.91	142	64105	19.360	ug/l	99
11) Tert butyl alcohol	4.72	59	48310	97.849	ug/l #	87
12) 1,1-Dichloroethene	3.70	96	48398	17.756	ug/l	93
13) Acrolein	3.57	56	27521	90.823	ug/l	100
14) Allyl chloride	4.28	41	94377	18.637	ug/l	96
15) Acrylonitrile	4.93	53	134590	95.235	ug/l	98
16) Acetone	3.77	43	130499	94.797	ug/l	95
17) Carbon Disulfide	4.01	76	129165	17.987	ug/l	96
18) Methyl Acetate	4.27	43	70383	19.692	ug/l #	78
19) Methyl tert-butyl Ether	4.99	73	187236	18.907	ug/l	100
20) Methylene Chloride	4.50	84	61347	19.516	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	54551	17.867	ug/l	97
22) Diisopropyl ether	5.90	45	208620	20.023	ug/l	97
23) Vinyl Acetate	5.84	43	831340	96.325	ug/l	100
24) 1,1-Dichloroethane	5.79	63	112213	18.837	ug/l	96
25) 2-Butanone	6.78	43	186445	95.529	ug/l	99
26) 2,2-Dichloropropane	6.77	77	98510	18.057	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	64028	18.234	ug/l	97
28) Bromochloromethane	7.15	49	58077	19.725	ug/l	100
29) Tetrahydrofuran	7.16	42	121252	92.630	ug/l	99
30) Chloroform	7.33	83	119662	19.265	ug/l	97
31) Cyclohexane	7.61	56	91157	17.558	ug/l #	89
32) 1,1,1-Trichloroethane	7.53	97	106337	18.980	ug/l	99
36) 1,1-Dichloropropene	7.75	75	81119	18.233	ug/l	99
37) Ethyl Acetate	6.88	43	83558	18.904	ug/l	99
38) Carbon Tetrachloride	7.73	117	94241	18.891	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100520\
 Data File : VN063865.D
 Acq On : 5 Oct 2020 12:57
 Operator : JC/MD
 Sample : VN1005MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/6/2020 12:56:37 PM

Quant Time: Oct 06 02:01:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	75958	17.121	ug/l	96
40) Benzene	8.00	78	240535	18.929	ug/l	100
41) Methacrylonitrile	7.14	41	40820m	20.779	ug/l	
42) 1,2-Dichloroethane	8.08	62	103900	19.155	ug/l	99
43) Isopropyl Acetate	8.13	43	141416	19.397	ug/l	99
44) Trichloroethene	8.80	130	63026	18.930	ug/l	97
45) 1,2-Dichloropropane	9.08	63	66411	19.352	ug/l	97
46) Dibromomethane	9.17	93	44889	18.961	ug/l	98
47) Bromodichloromethane	9.37	83	96271	19.731	ug/l	95
48) Methyl methacrylate	9.17	41	69767	19.369	ug/l	95
49) 1,4-Dioxane	9.16	88	18746	366.182	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	421634	98.547	ug/l	98
52) Toluene	10.12	92	152618	19.417	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	101392	19.386	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	106737	19.514	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	61885	19.633	ug/l	96
56) Ethyl methacrylate	10.40	69	85936	19.234	ug/l	98
57) 1,3-Dichloropropane	10.68	76	107834	20.221	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	221011	92.475	ug/l	100
59) 2-Hexanone	10.72	43	302356	95.130	ug/l	98
60) Dibromochloromethane	10.87	129	67893	18.495	ug/l	99
61) 1,2-Dibromoethane	10.98	107	62947	19.523	ug/l	98
64) Tetrachloroethene	10.60	164	61710	19.232	ug/l	94
65) Chlorobenzene	11.41	112	161560	18.990	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	63513	19.473	ug/l	99
67) Ethyl Benzene	11.48	91	282579	18.254	ug/l	99
68) m/p-Xylenes	11.60	106	209733	36.351	ug/l	97
69) o-Xylene	11.92	106	100445	18.626	ug/l	100
70) Styrene	11.94	104	170619	18.639	ug/l	99
71) Bromoform	12.10	173	45773	18.350	ug/l #	97
73) Isopropylbenzene	12.22	105	265575	18.916	ug/l	99
74) N-amyl acetate	12.05	43	114847	19.036	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	83889	19.540	ug/l	98
76) 1,2,3-Trichloropropane	12.52	75	80986m	19.086	ug/l	
77) Bromobenzene	12.50	156	68102	19.768	ug/l	99
78) n-propylbenzene	12.57	91	306335	18.748	ug/l	99
79) 2-Chlorotoluene	12.65	91	191767	19.083	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	229574	19.491	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	27832	18.892	ug/l	99
82) 4-Chlorotoluene	12.75	91	200075	19.179	ug/l	98
83) tert-Butylbenzene	12.97	119	181920	18.882	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	230242	19.578	ug/l	99
85) sec-Butylbenzene	13.15	105	239433	18.920	ug/l	98
86) p-Isopropyltoluene	13.26	119	214936	19.199	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	117976	18.929	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	121689	18.752	ug/l	99
89) n-Butylbenzene	13.59	91	177564	17.185	ug/l	100
90) Hexachloroethane	13.85	117	40058	18.465	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	118868	19.256	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18339	18.214	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100520\
Data File : VN063865.D
Acq On : 5 Oct 2020 12:57
Operator : JC/MD
Sample : VN1005MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1005MBS01

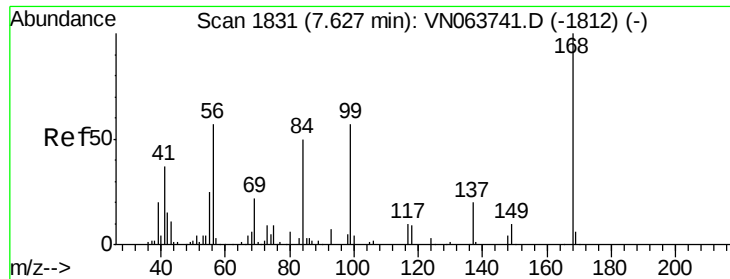
Manual Integrations
APPROVED

MMDadoda
10/6/2020 12:56:37 PM

Quant Time: Oct 06 02:01:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	55168	17.601	ug/l	98
94) Hexachlorobutadiene	14.98	225	31852	19.071	ug/l	98
95) Naphthalene	15.10	128	160716	16.803	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	52397	17.157	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1005MBS01

Tot Ion:168 Resp: 270689

Ion Ratio Lower Upper

168 100

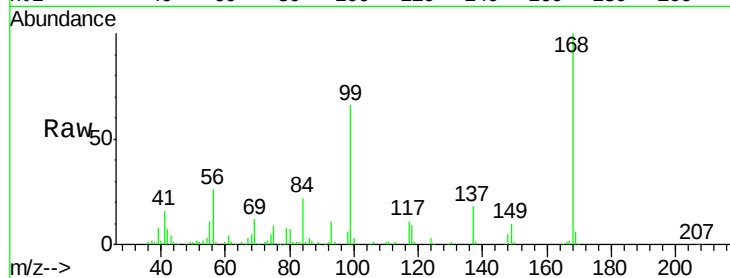
99 65.7 51.8 77.6

Manual Integrations

APPROVED

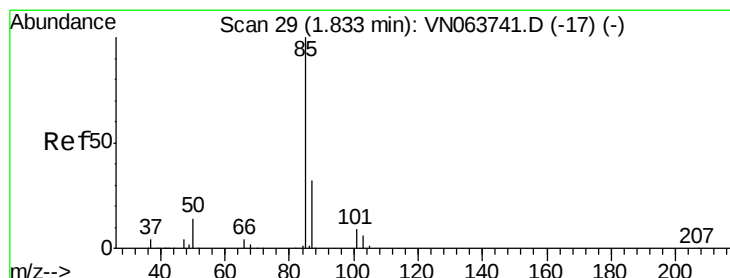
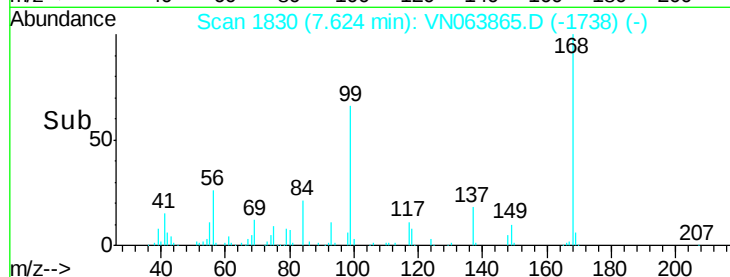
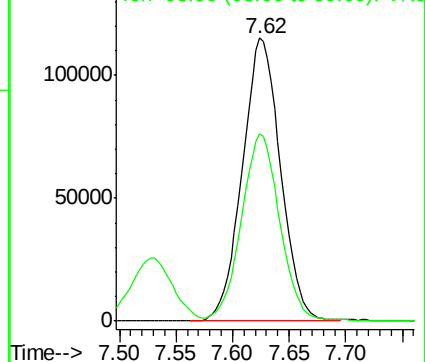
MMDadoda

10/6/2020 12:56:37 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.328 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063865.D

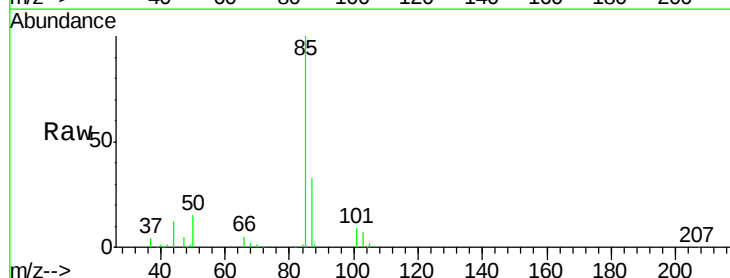
Acq: 5 Oct 2020 12:57

Tgt Ion: 85 Resp: 52349

Ion Ratio Lower Upper

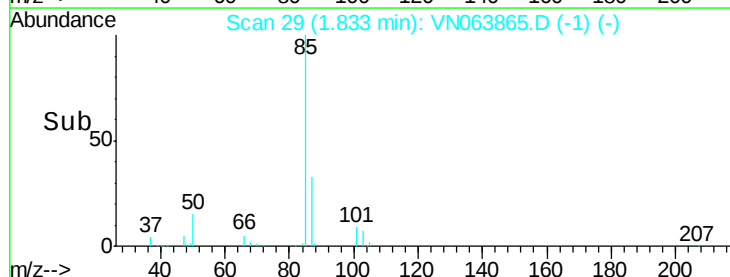
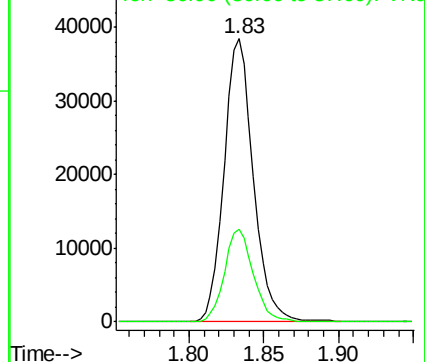
85 100

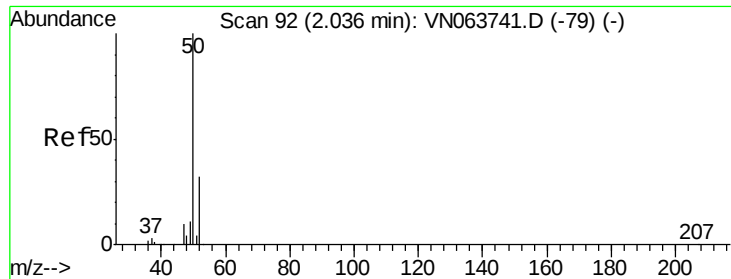
87 32.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.595 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1005MBS01

Tot Ion: 50 Resp: 58968

Ion Ratio Lower Upper

50 100

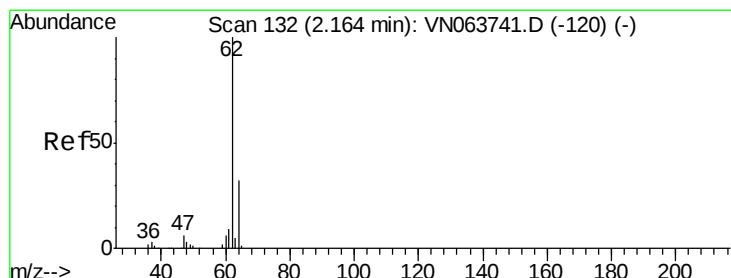
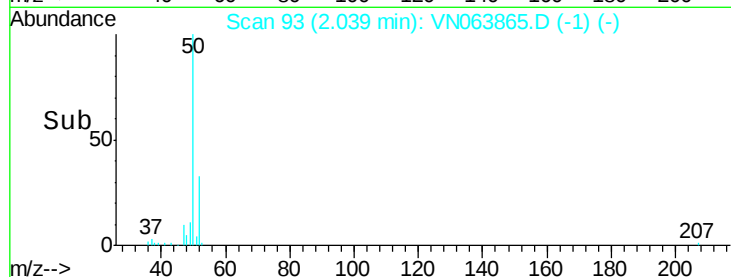
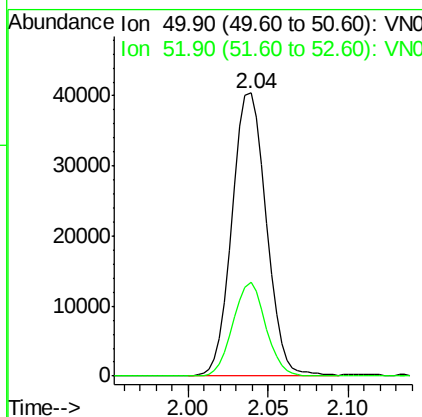
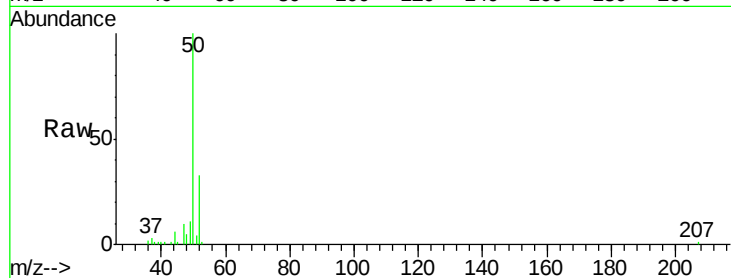
52 33.2 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

10/6/2020 12:56:37 PM



#4

Vinyl Chloride

Concen: 16.981 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063865.D

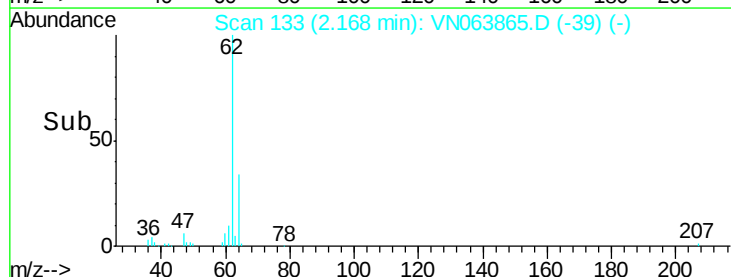
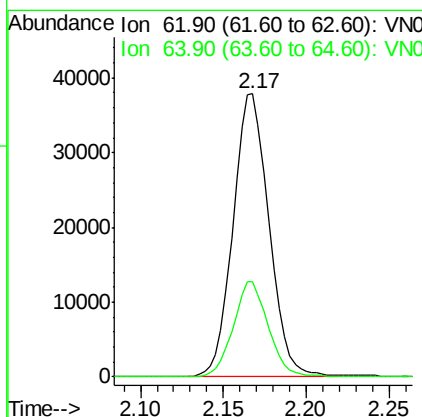
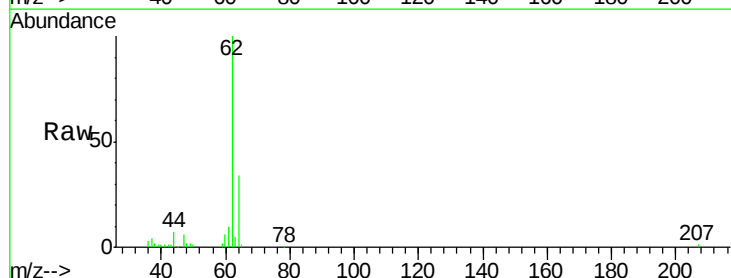
Acq: 5 Oct 2020 12:57

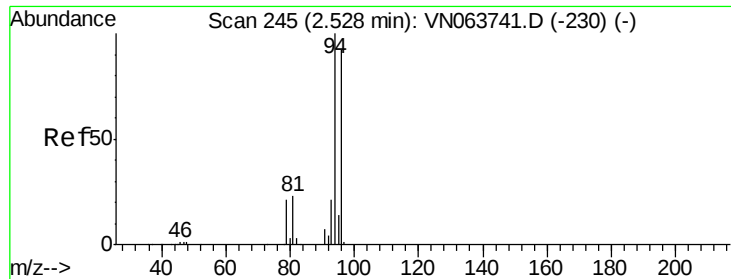
Tgt Ion: 62 Resp: 57127

Ion Ratio Lower Upper

62 100

64 33.7 25.6 38.4





#5

Bromomethane

Concen: 19.022 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1005MBS01

Tot Ion: 94 Resp: 40250

Ion Ratio Lower Upper

94 100

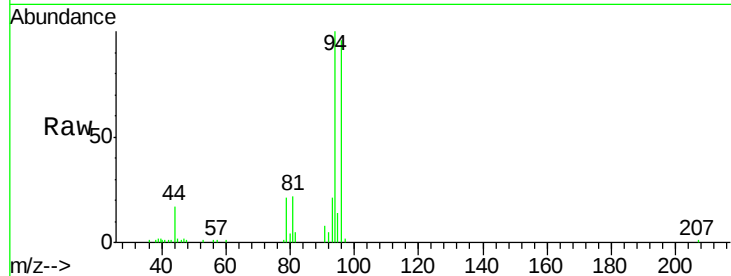
96 96.2 73.3 109.9

Manual Integrations

APPROVED

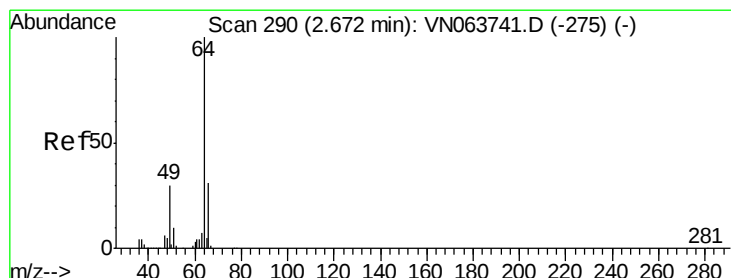
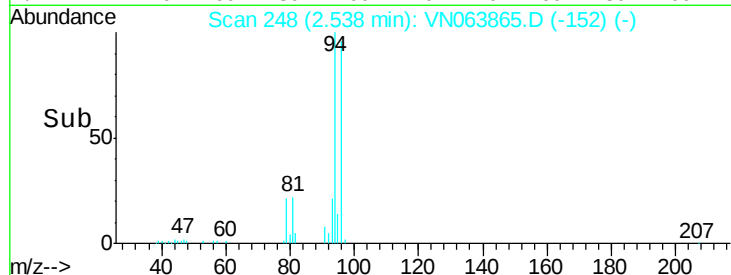
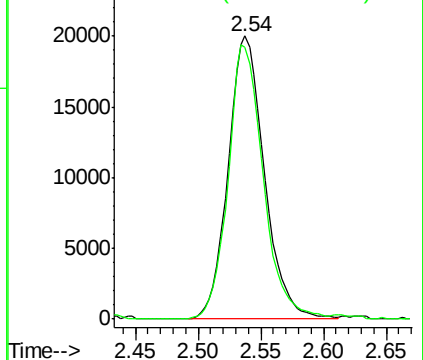
MMDadoda

10/6/2020 12:56:37 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.972 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN063865.D

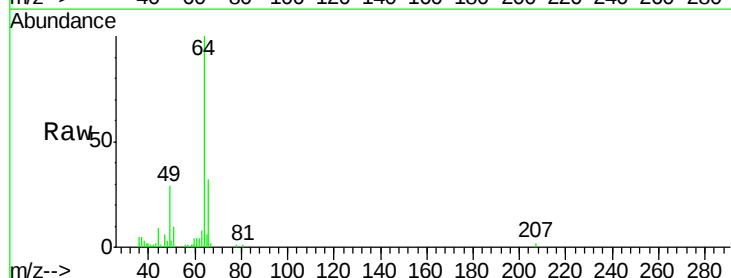
Acq: 5 Oct 2020 12:57

Tgt Ion: 64 Resp: 38138

Ion Ratio Lower Upper

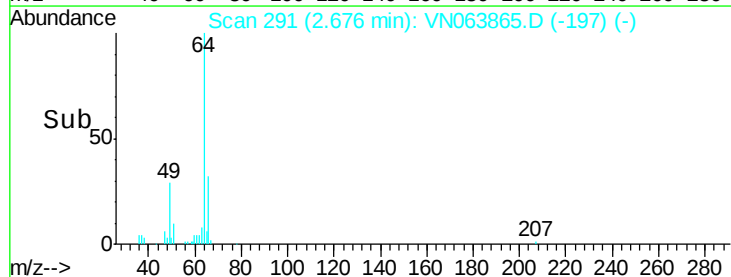
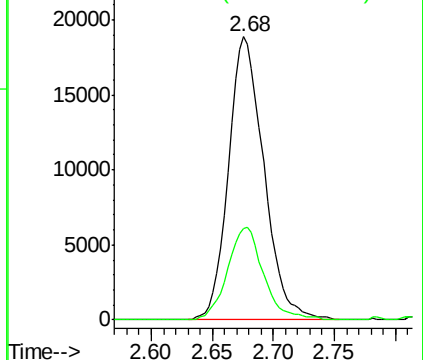
64 100

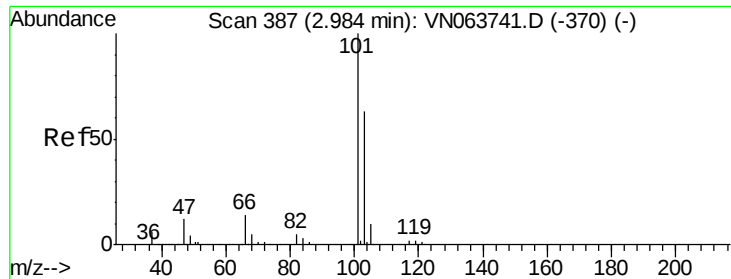
66 32.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

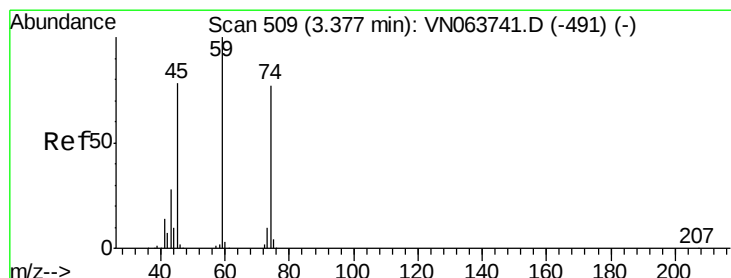
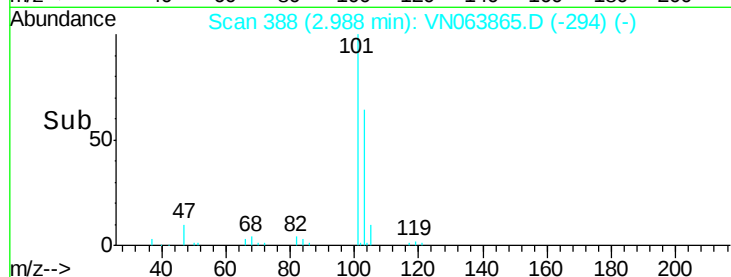
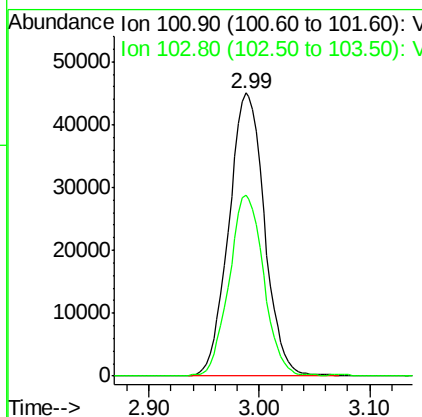
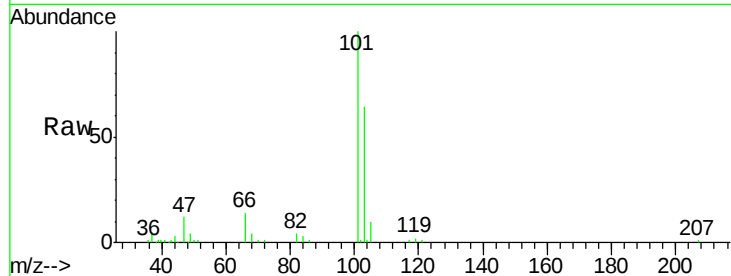
Trichlorofluoromethane
 Concen: 18.893 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.7	76.1

Manual Integrations
 APPROVED

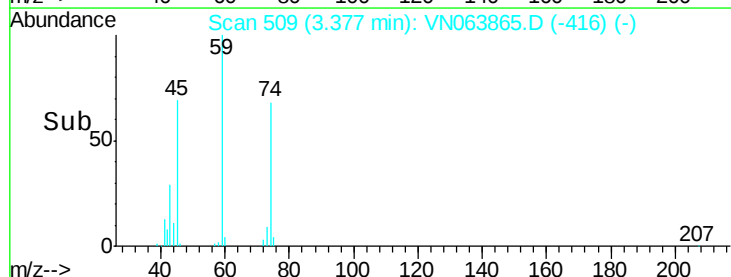
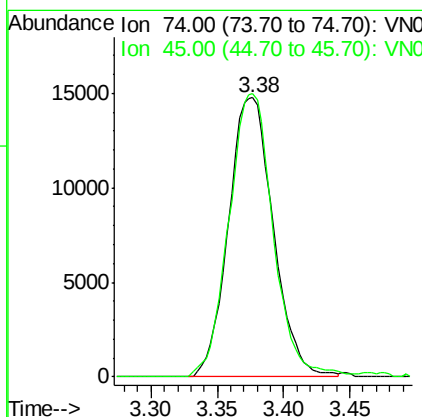
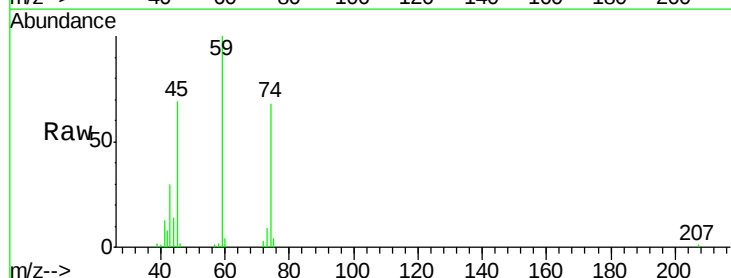
MMDadoda
 10/6/2020 12:56:37 PM

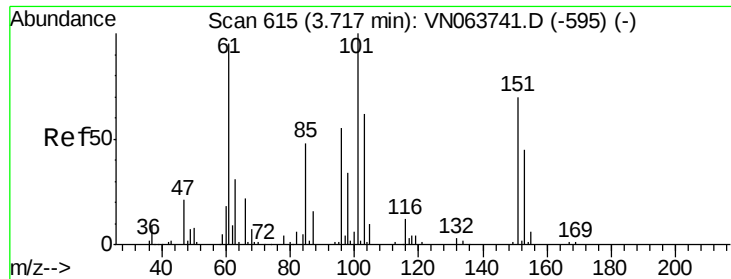


#8

Diethyl Ether
 Concen: 19.221 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.3	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.546 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Instrument :

MSVOA_N

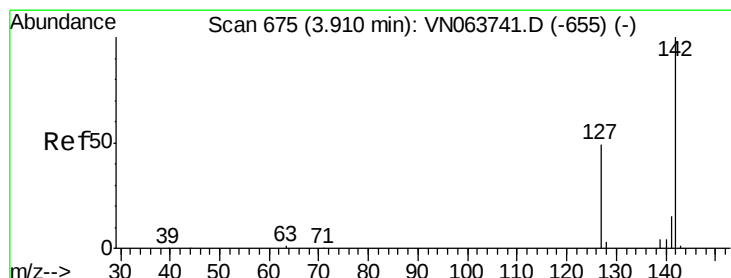
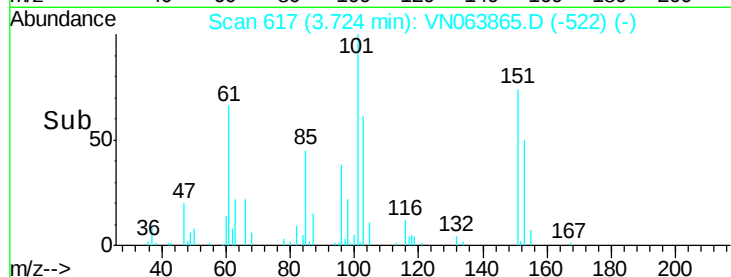
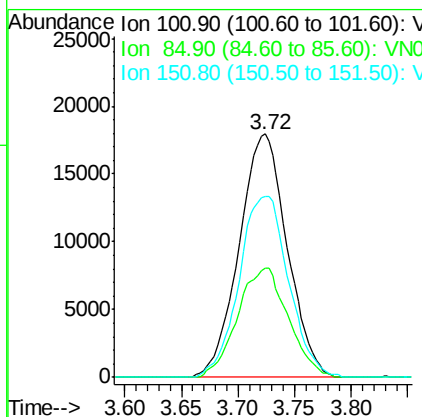
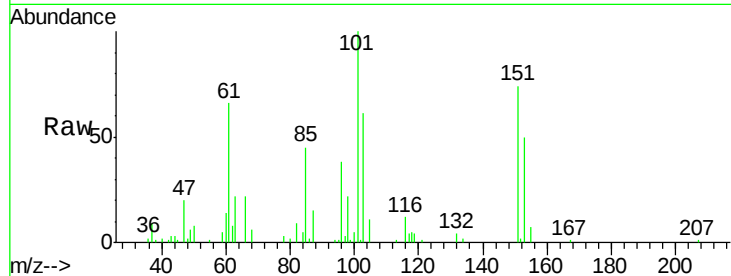
ClientSampleId :

VN1005MBS01

Tot Ion:	101	Resp:	52889
Ion Ratio	Lower	Upper	
101	100		
85	47.4	38.6	58.0
151	76.9	58.7	88.1

Manual Integrations
APPROVED

MMDadoda
10/6/2020 12:56:37 PM



#10

Methyl Iodide

Concen: 19.360 ug/l

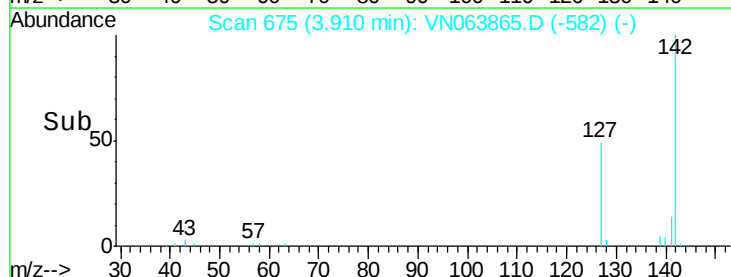
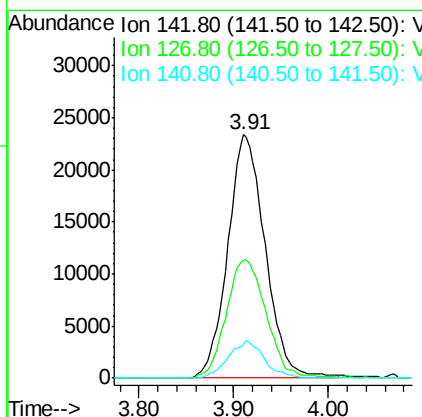
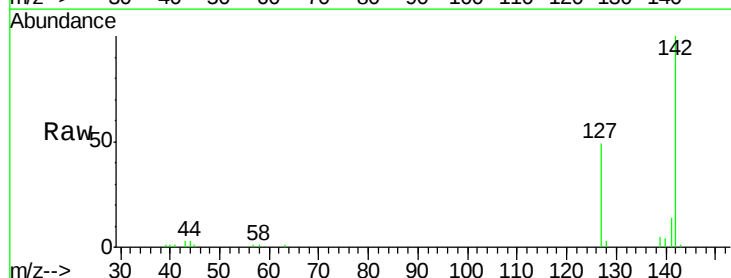
RT: 3.91 min Scan# 675

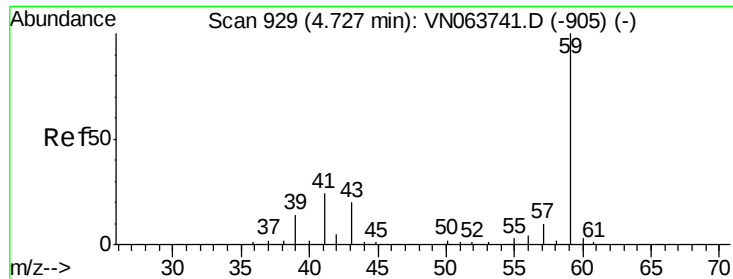
Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Tgt Ion:	142	Resp:	64105
Ion Ratio	Lower	Upper	
142	100		
127	51.6	40.5	60.7
141	14.7	11.7	17.5





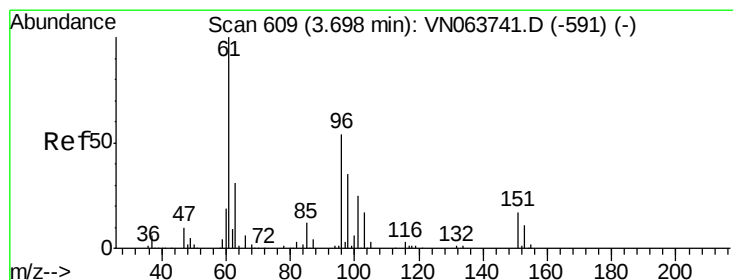
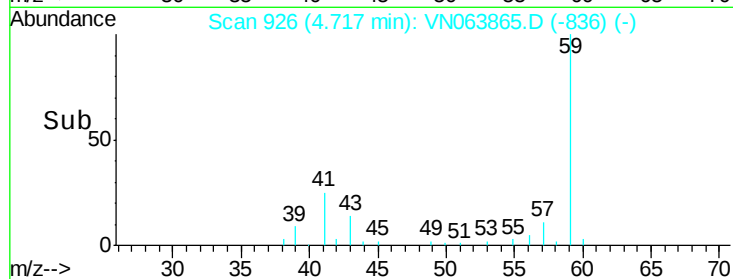
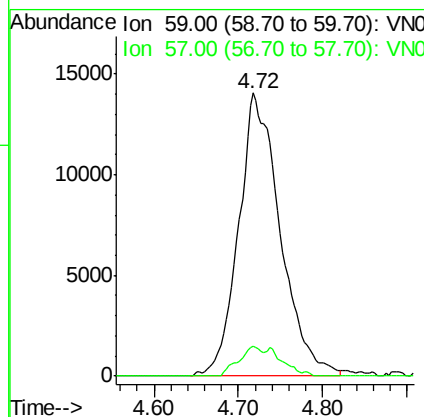
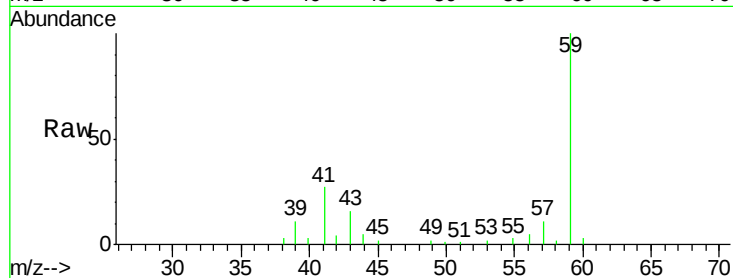
#11
Tert butyl alcohol
Concen: 97.849 ug/l
RT: 4.72 min Scan# 926
Delta R.T. -0.01 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1005MBS01

Tot Ion: 59 Resp: 48310
Ion Ratio Lower Upper
59 100
57 6.0 8.7 13.1#

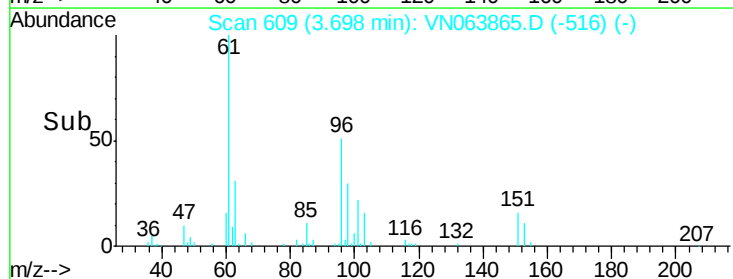
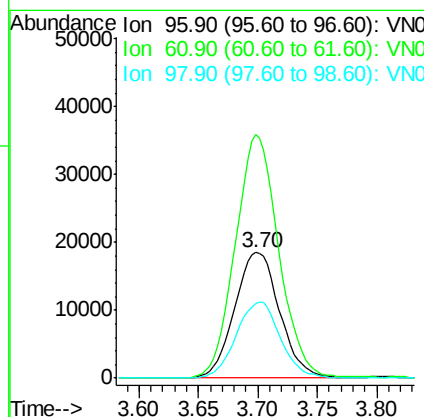
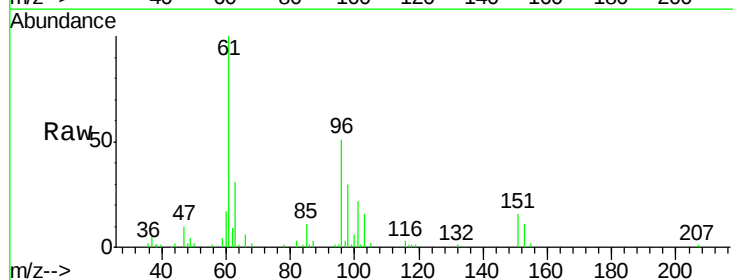
Manual Integrations
APPROVED

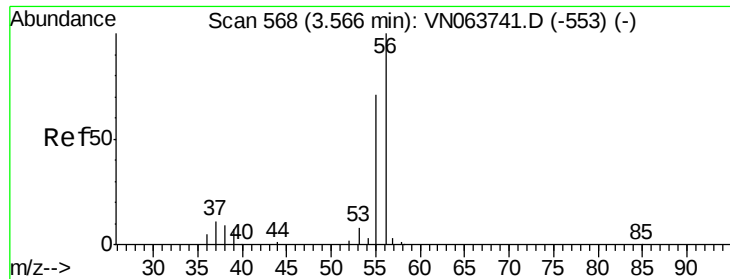
MMDadoda
10/6/2020 12:56:37 PM



#12
1,1-Dichloroethene
Concen: 17.756 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Tgt Ion: 96 Resp: 48398
Ion Ratio Lower Upper
96 100
61 194.2 147.7 221.5
98 59.2 51.9 77.9





#13

Acrolein

Concen: 90.823 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Instrument :

MSVOA_N

ClientSampled :

VN1005MBS01

Tot Ion: 56 Resp: 27521

Ion Ratio Lower Upper

56 100

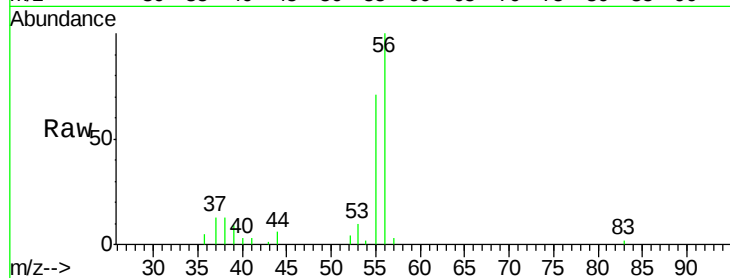
55 71.4 56.9 85.3

Manual Integrations

APPROVED

MMDadoda

10/6/2020 12:56:37 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12000

10000

8000

6000

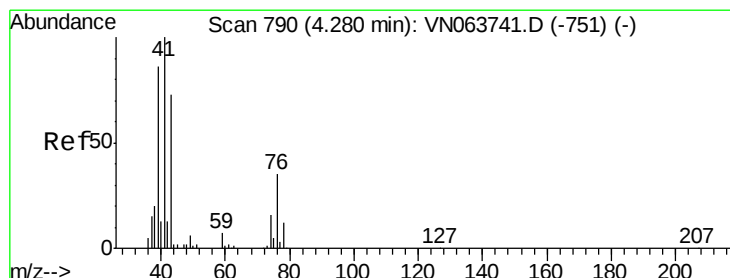
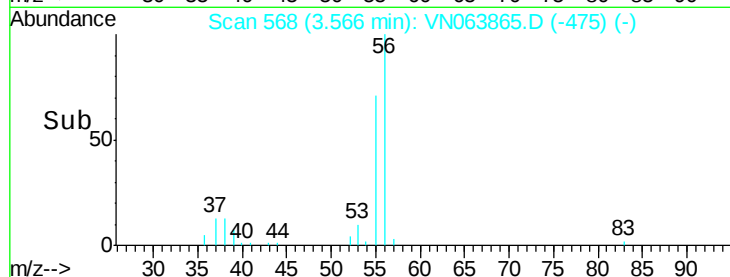
4000

2000

0

Time-->

3.50 3.55 3.60 3.65



#14

Allyl chloride

Concen: 18.637 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

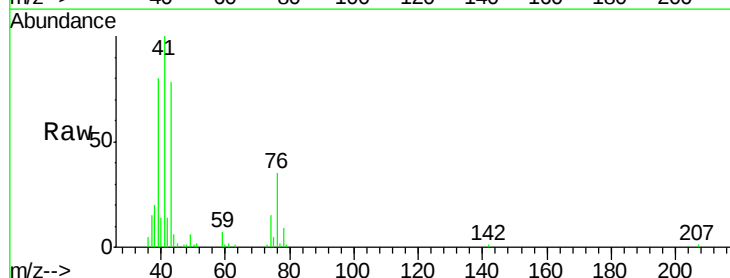
Tgt Ion: 41 Resp: 94377

Ion Ratio Lower Upper

41 100

39 75.8 64.5 96.7

76 31.4 25.9 38.9



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

40000

30000

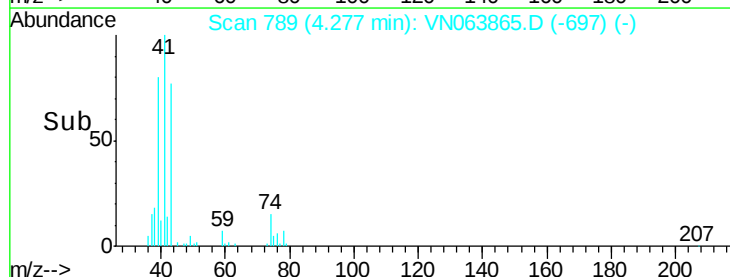
20000

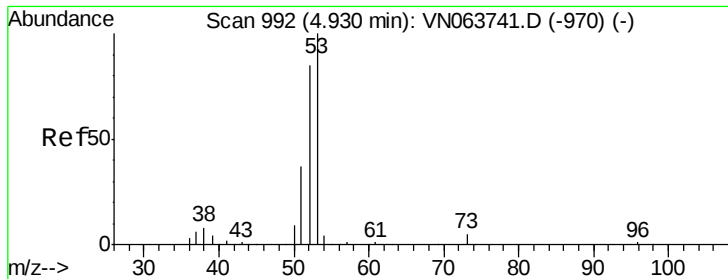
10000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 95.235 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Instrument :

MSVOA_N

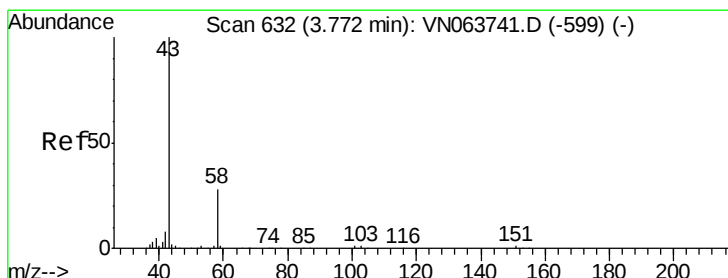
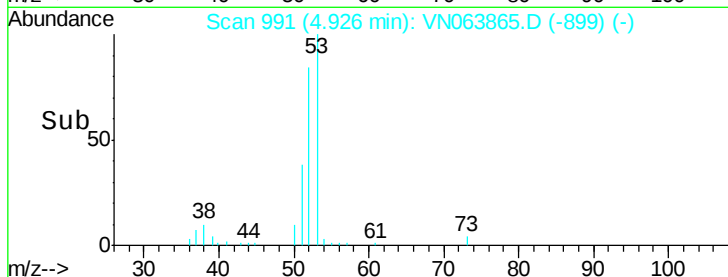
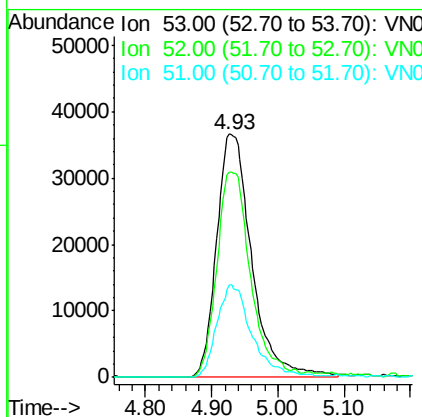
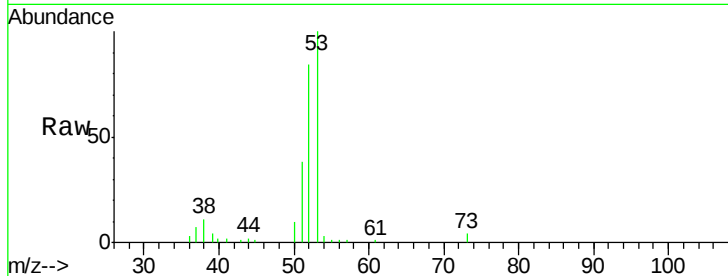
ClientSampleId :

VN1005MBS01

Tot Ion:	53	Resp:	134590
Ion Ratio	Lower	Upper	
53	100		
52	80.2	66.5	99.7
51	36.8	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
10/6/2020 12:56:37 PM



#16

Acetone

Concen: 94.797 ug/l

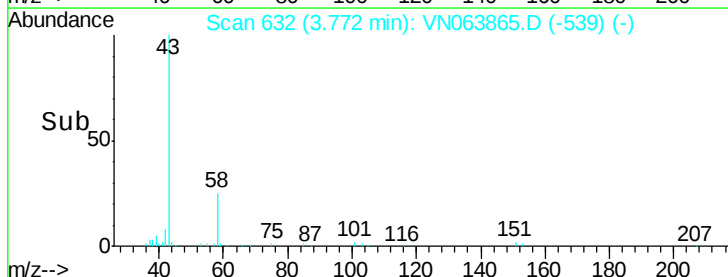
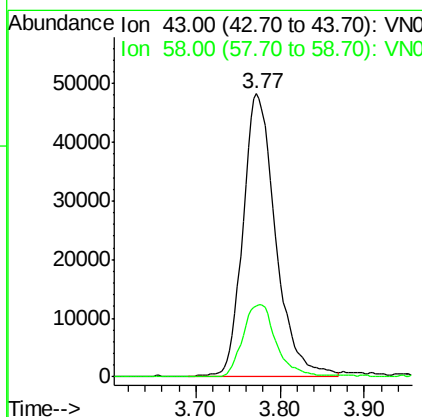
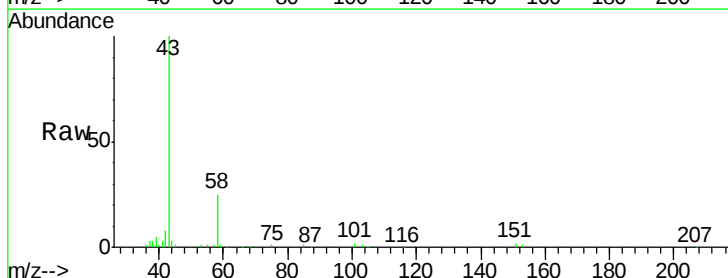
RT: 3.77 min Scan# 632

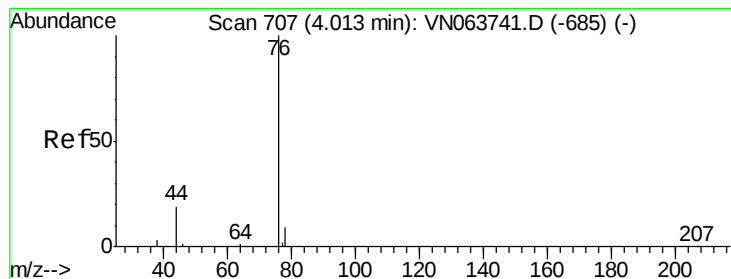
Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Tgt Ion:	43	Resp:	130499
Ion Ratio	Lower	Upper	
43	100		
58	25.2	22.3	33.5





#17

Carbon Disulfide

Concen: 17.987 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1005MBS01

Tot Ion: 76 Resp: 129165

Ion Ratio Lower Upper

76 100

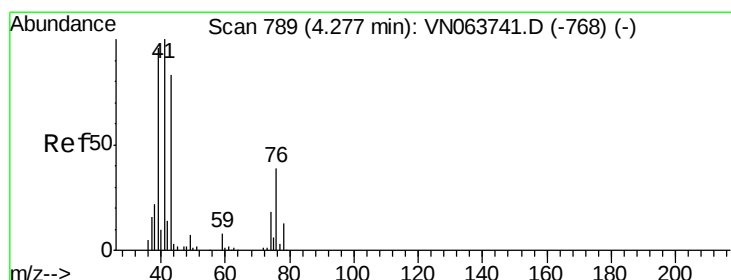
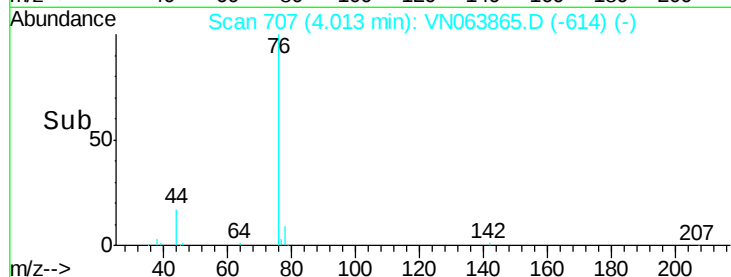
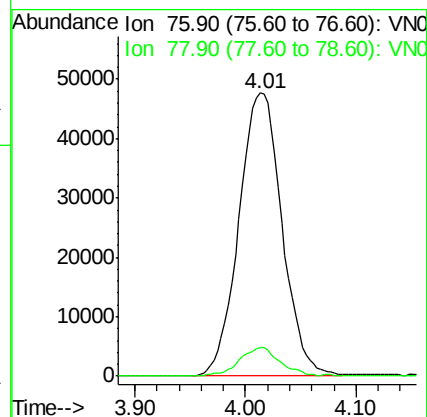
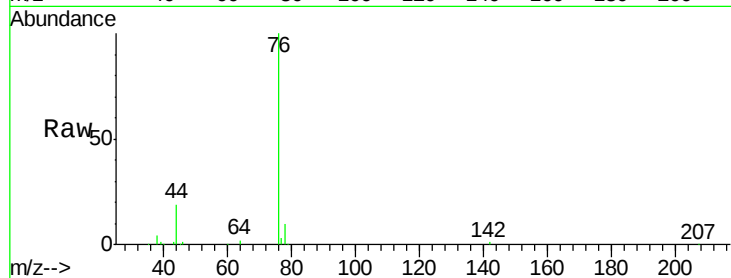
78 10.1 7.0 10.4

Manual Integrations

APPROVED

MMDadoda

10/6/2020 12:56:37 PM



#18

Methyl Acetate

Concen: 19.692 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN063865.D

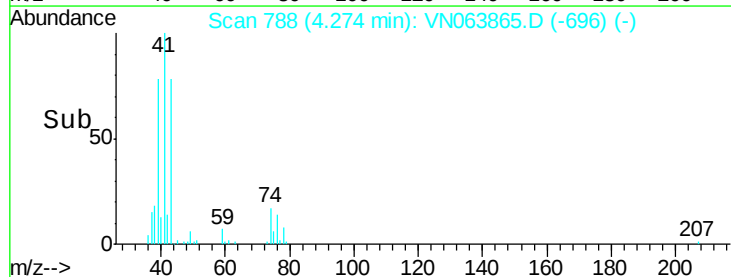
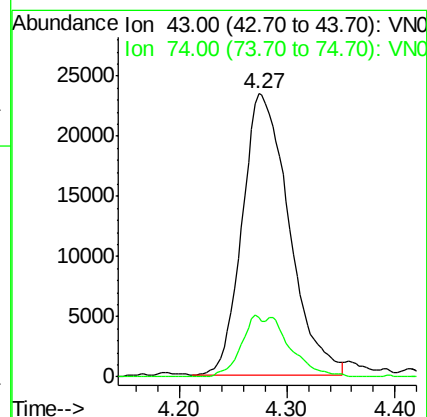
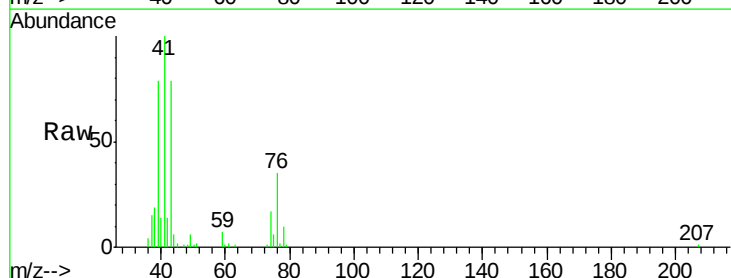
Acq: 5 Oct 2020 12:57

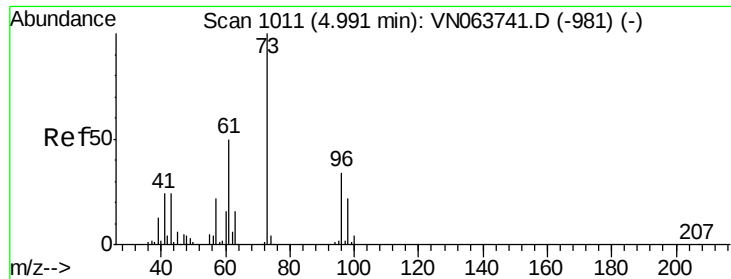
Tgt Ion: 43 Resp: 70383

Ion Ratio Lower Upper

43 100

74 11.3 17.4 26.2#





#19

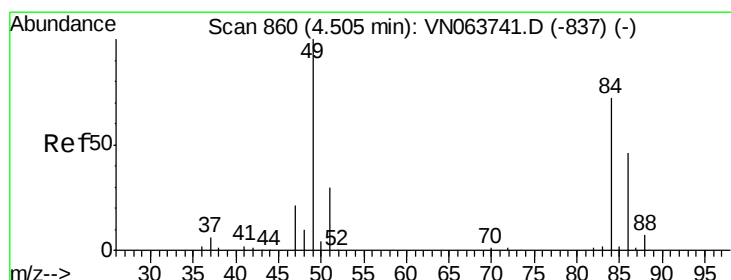
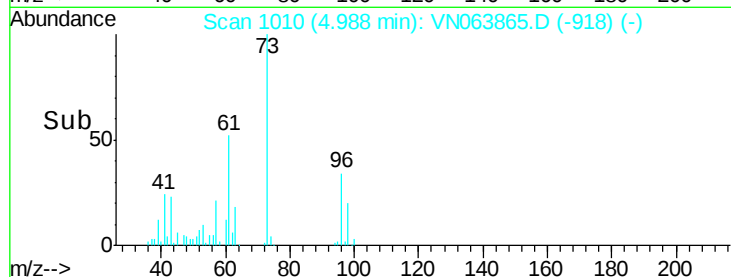
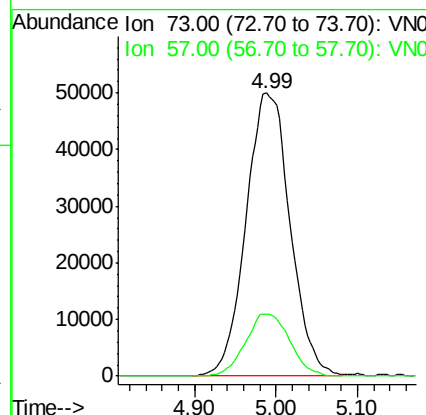
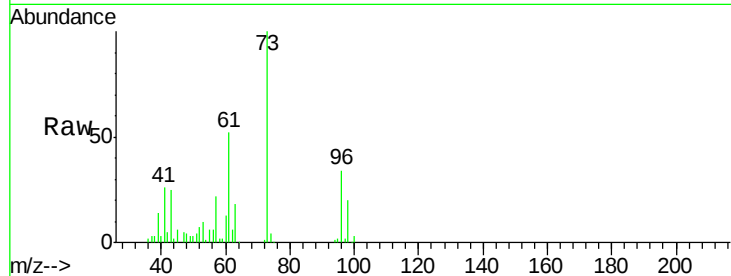
Methyl tert-butyl Ether
 Concen: 18.907 ug/l
 RT: 4.99 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN1005MBS01

Tot Ion: 73 Resp: 187236
 Ion Ratio Lower Upper
 73 100
 57 21.9 17.6 26.4

Manual Integrations
 APPROVED

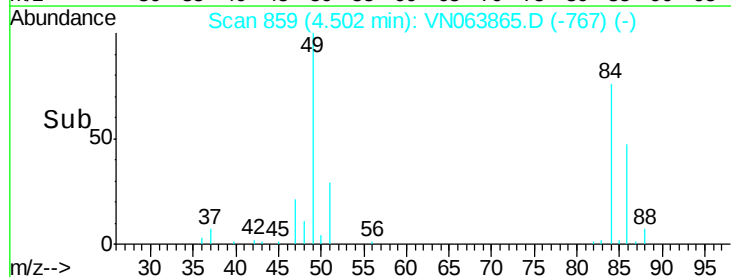
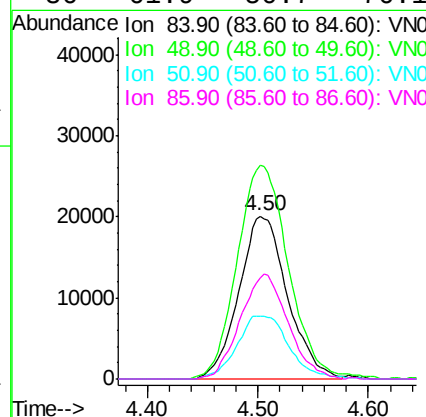
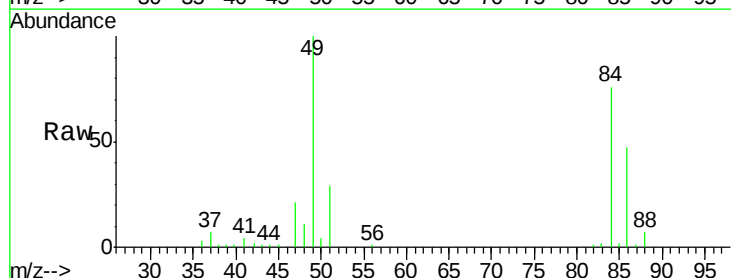
MMDadoda
 10/6/2020 12:56:37 PM

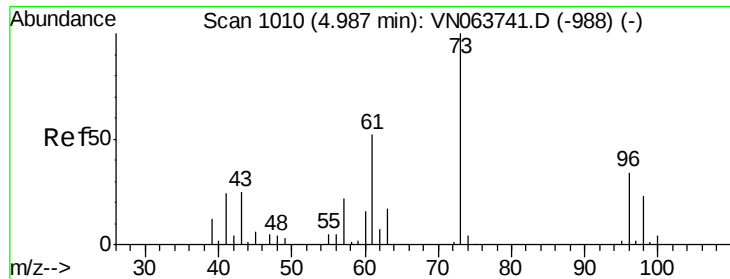


#20

Methylene Chloride
 Concen: 19.516 ug/l
 RT: 4.50 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Tgt Ion: 84 Resp: 61347
 Ion Ratio Lower Upper
 84 100
 49 130.3 110.4 165.6
 51 38.6 33.3 49.9
 86 61.9 50.7 76.1





#21

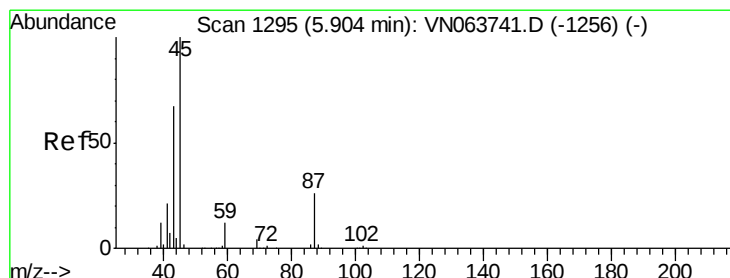
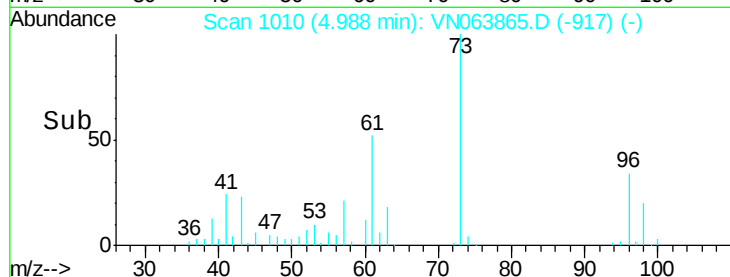
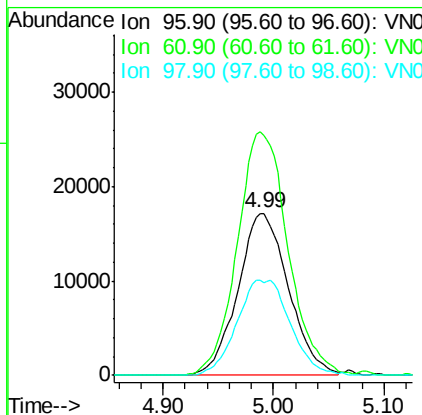
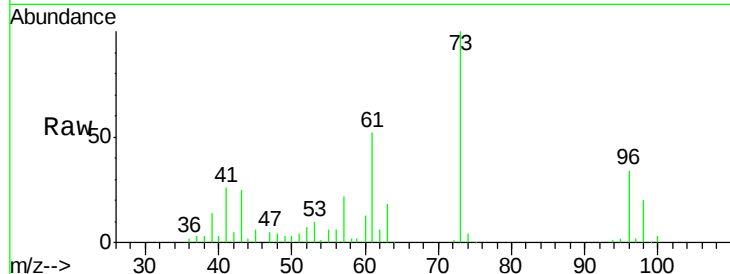
trans-1,2-Dichloroethene
Concen: 17.867 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Instrument :
MSVOA_N
ClientSampled :
VN1005MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.4	120.2	180.2
98	58.5	52.6	79.0

Manual Integrations
APPROVED

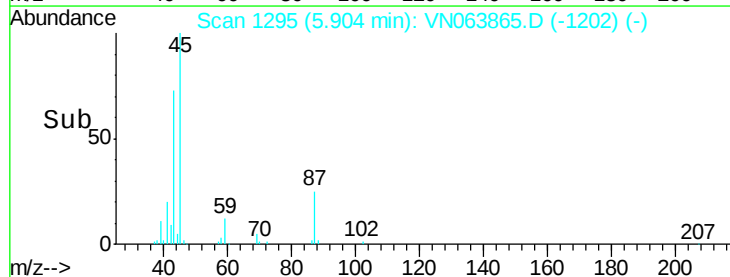
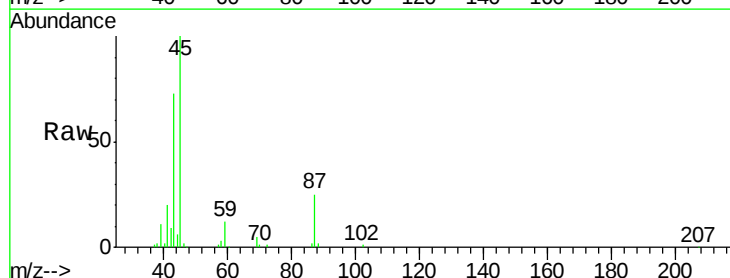
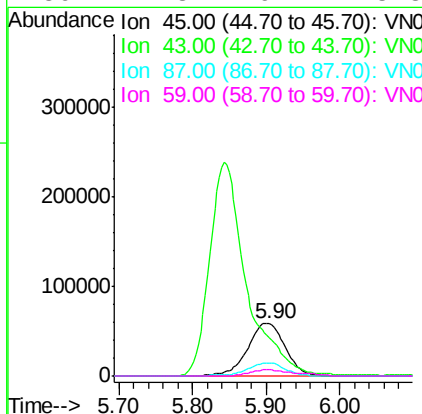
MMDadoda
10/6/2020 12:56:37 PM

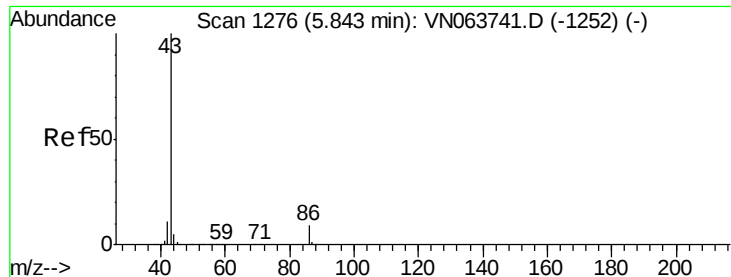


#22

Diisopropyl ether
Concen: 20.023 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.4	53.7	80.5
87	24.5	21.1	31.7
59	11.3	9.2	13.8





#23

Vinyl Acetate

Concen: 96.325 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Instrument :

MSVOA_N

ClientSampled :

VN1005MBS01

Tot Ion: 43 Resp: 831340

Ion Ratio Lower Upper

43 100

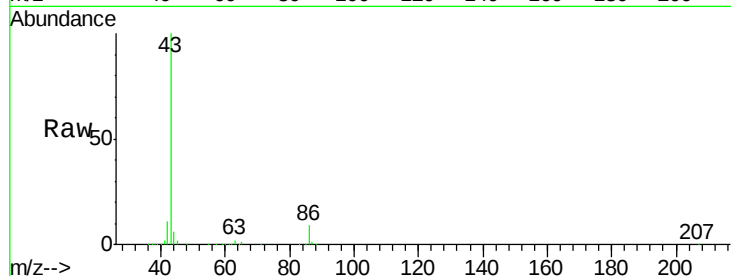
86 9.0 7.3 10.9

Manual Integrations

APPROVED

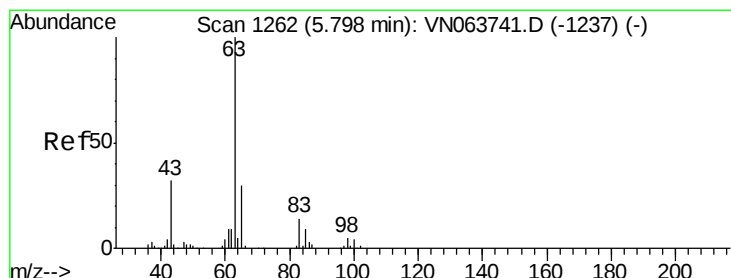
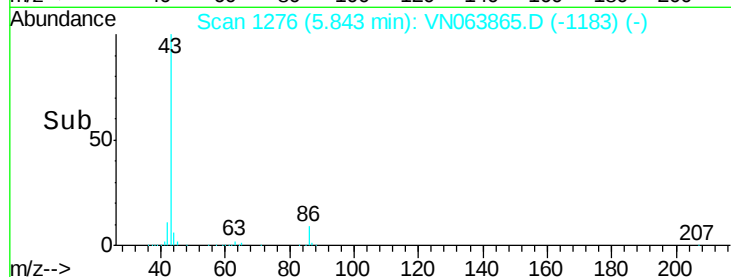
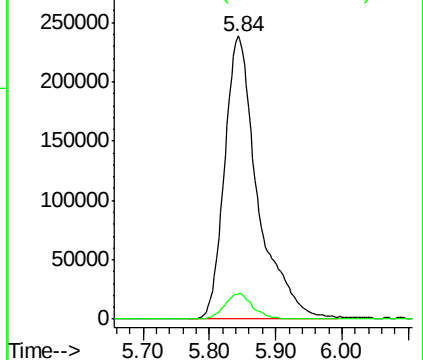
MMDadoda

10/6/2020 12:56:37 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.837 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

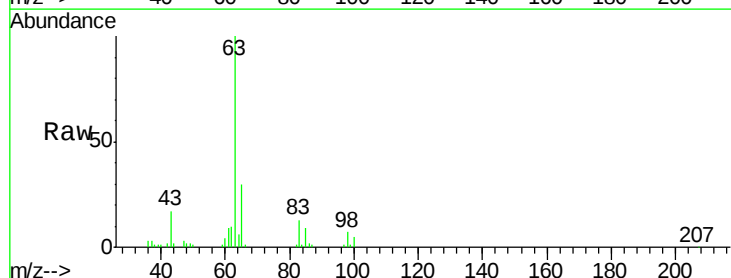
Tgt Ion: 63 Resp: 112213

Ion Ratio Lower Upper

63 100

98 6.8 2.7 8.1

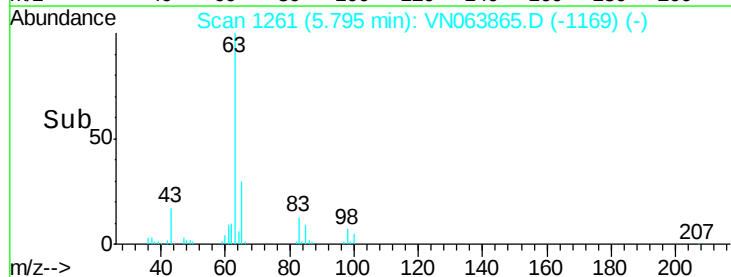
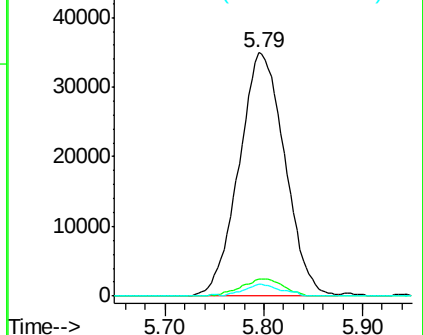
100 4.7 1.9 5.7

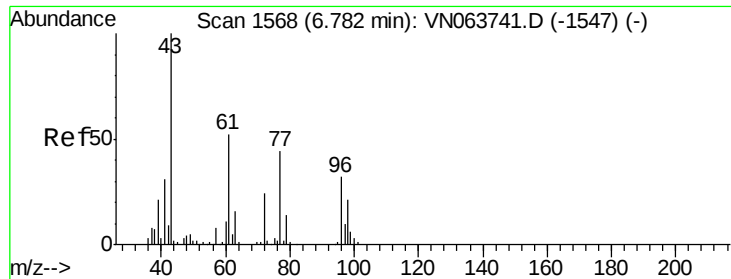


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 95.529 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Instrument :

MSVOA_N

ClientSampled :

VN1005MBS01

Tot Ion: 43 Resp: 186445

Ion Ratio Lower Upper

43 100

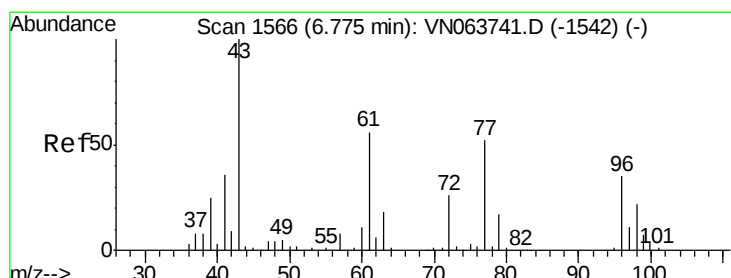
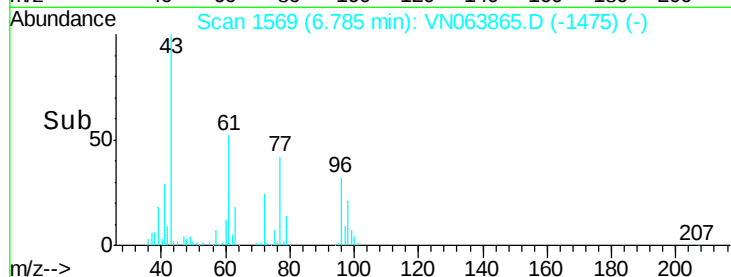
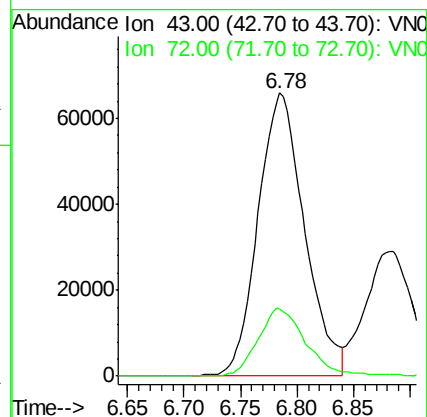
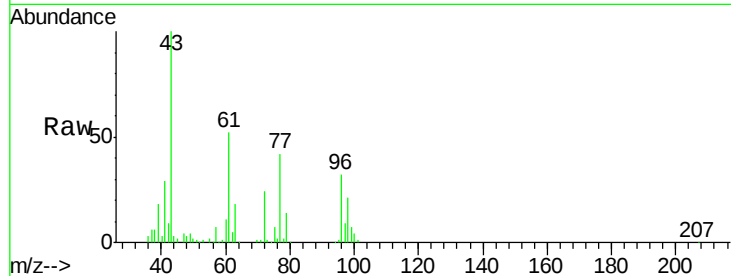
72 23.7 19.3 28.9

Manual Integrations

APPROVED

MMDadoda

10/6/2020 12:56:37 PM



#26

2,2-Dichloropropane

Concen: 18.057 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN063865.D

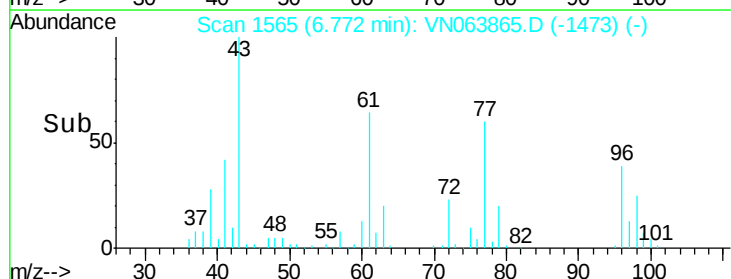
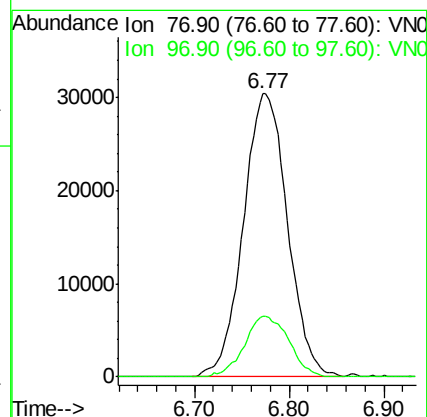
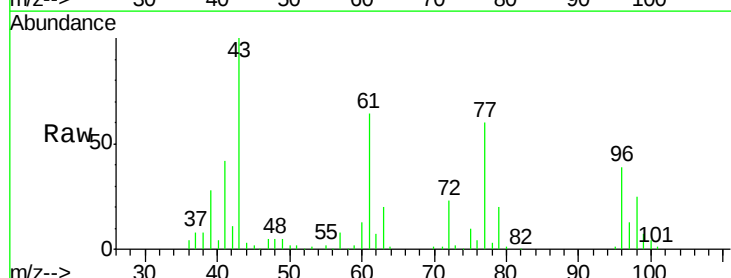
Acq: 5 Oct 2020 12:57

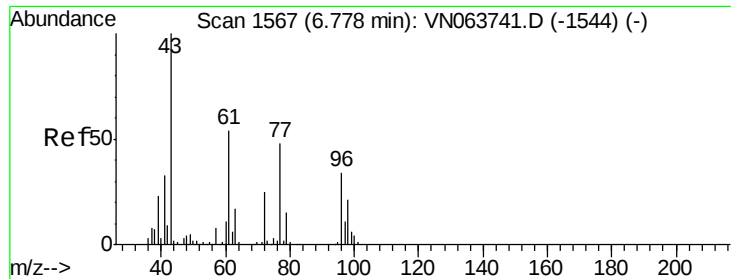
Tgt Ion: 77 Resp: 98510

Ion Ratio Lower Upper

77 100

97 21.4 10.8 32.3





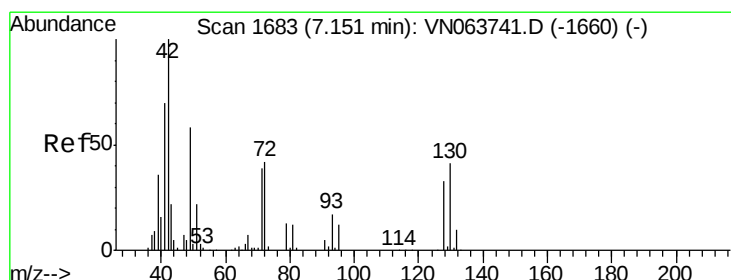
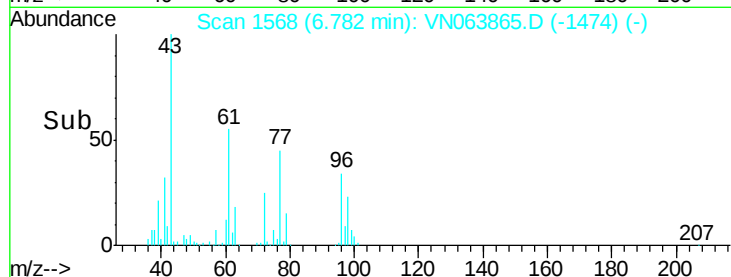
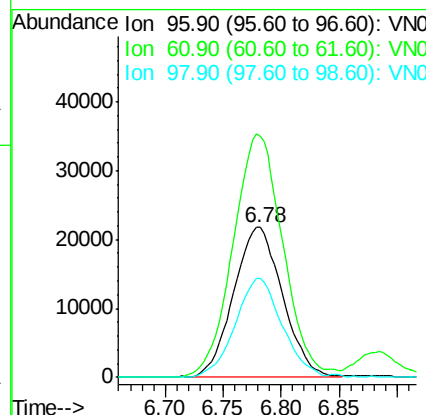
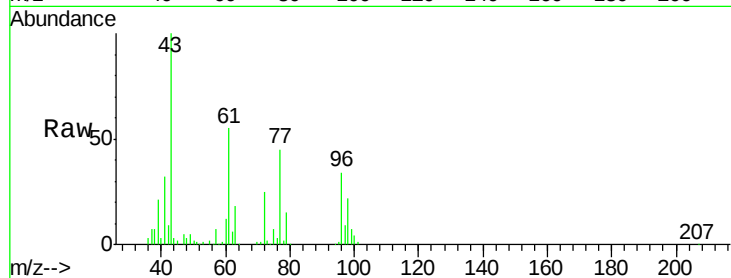
#27
 cis-1,2-Dichloroethene
 Concen: 18.234 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.8	0.0	321.2
98	63.1	0.0	124.4

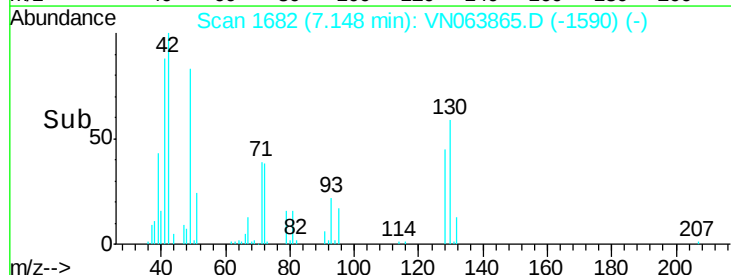
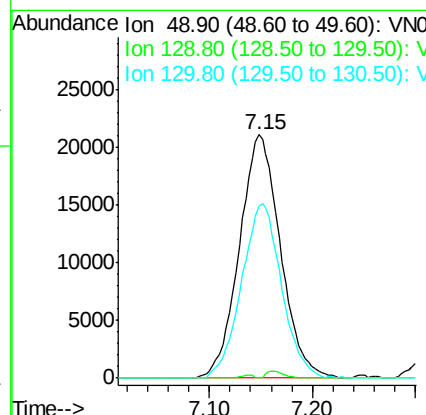
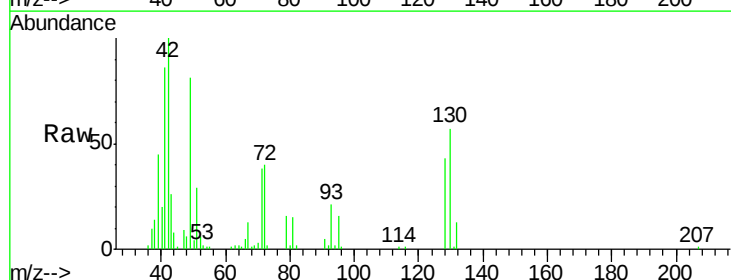
Manual Integrations
 APPROVED

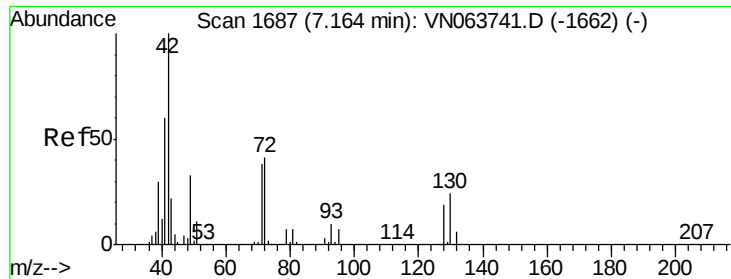
MMDadoda
 10/6/2020 12:56:37 PM



#28
 Bromochloromethane
 Concen: 19.725 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	4.8
130	69.7	55.6	83.4





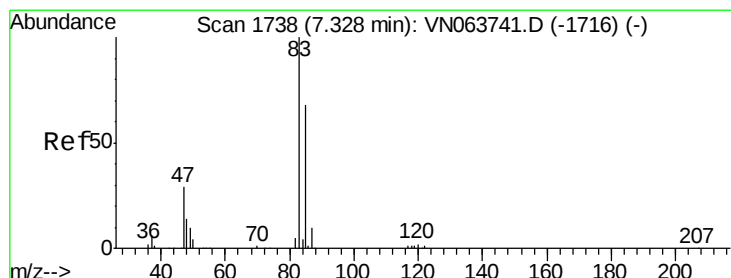
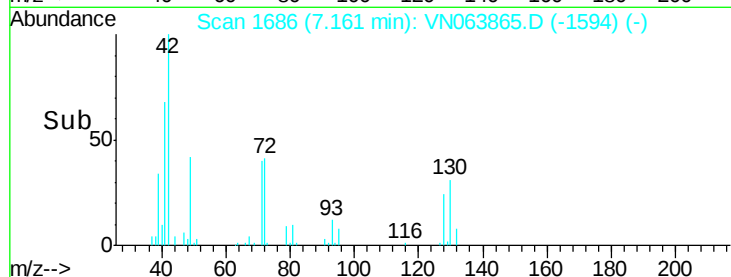
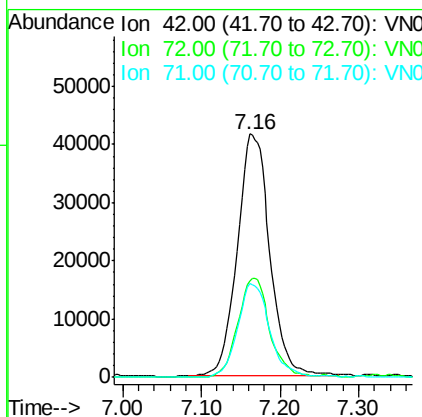
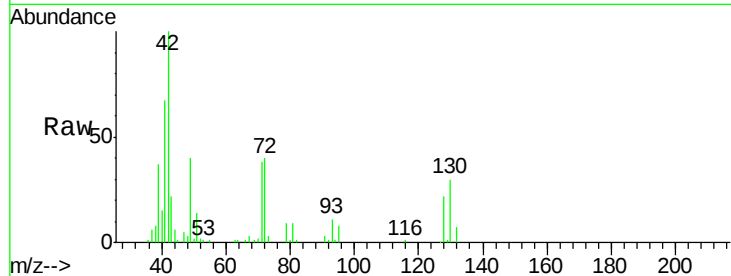
#29
Tetrahydrofuran
Concen: 92.630 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1005MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.8	49.2
71	37.7	30.6	45.8

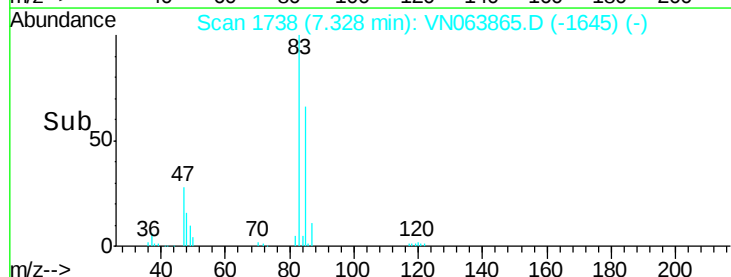
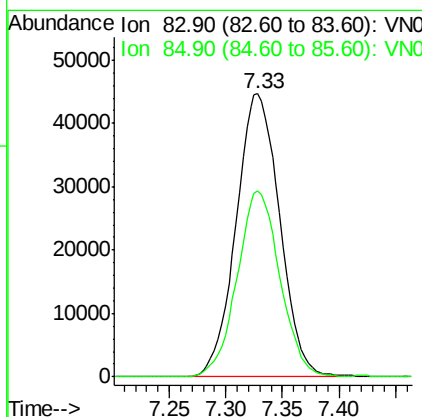
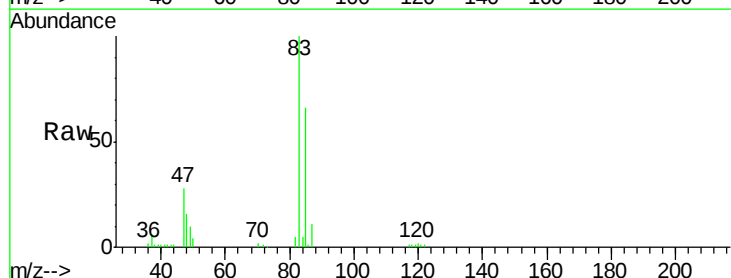
Manual Integrations
APPROVED

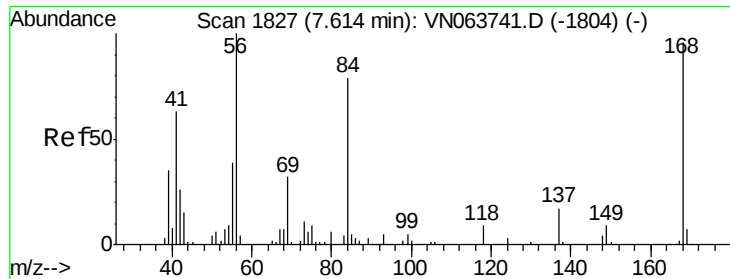
MMDadoda
10/6/2020 12:56:37 PM



#30
Chloroform
Concen: 19.265 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	54.6	82.0





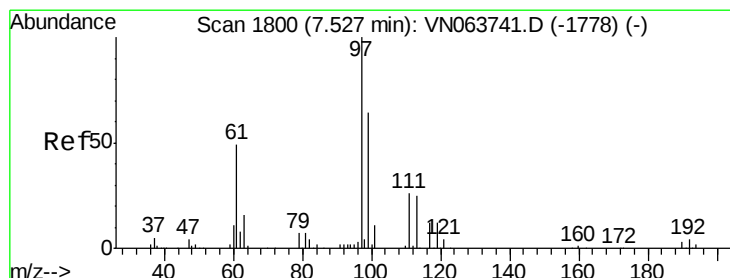
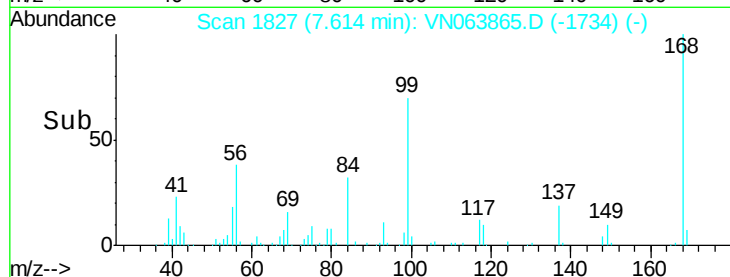
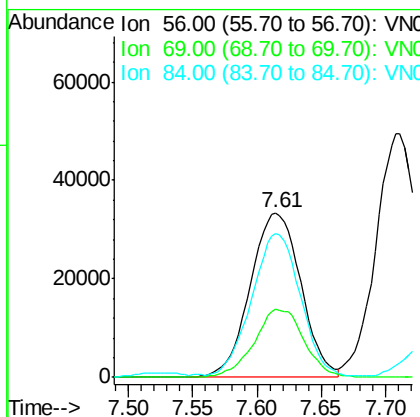
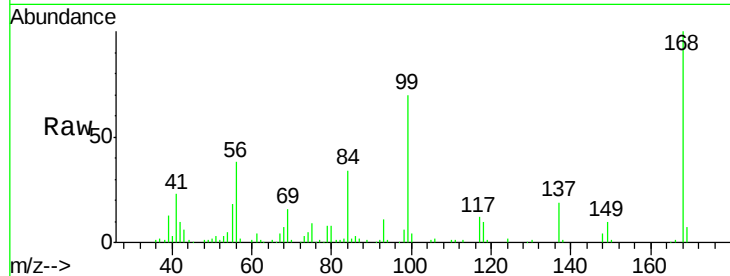
#31
Cyclohexane
Concen: 17.558 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1005MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.4	25.4	38.2#
84	85.9	63.3	94.9

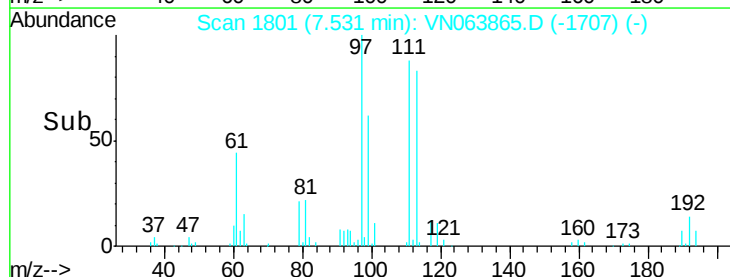
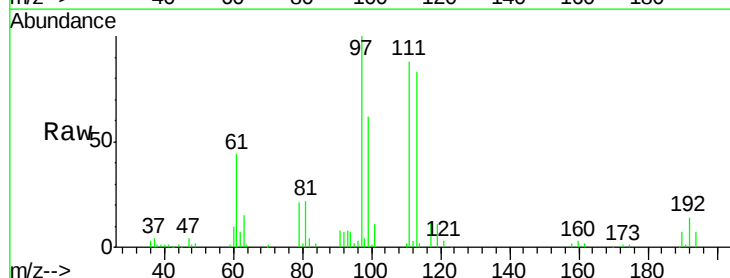
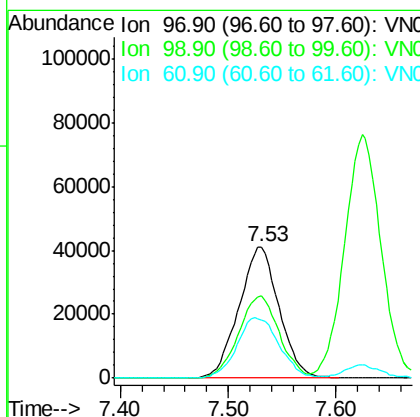
Manual Integrations
APPROVED

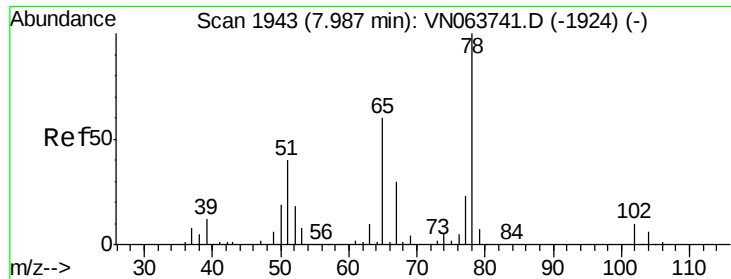
MMDadoda
10/6/2020 12:56:37 PM



#32
1,1,1-Trichloroethane
Concen: 18.980 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.6
61	48.6	38.7	58.1





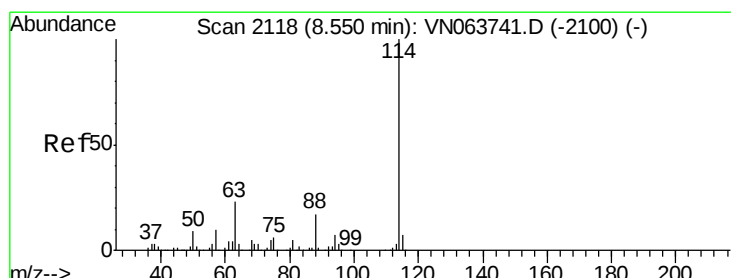
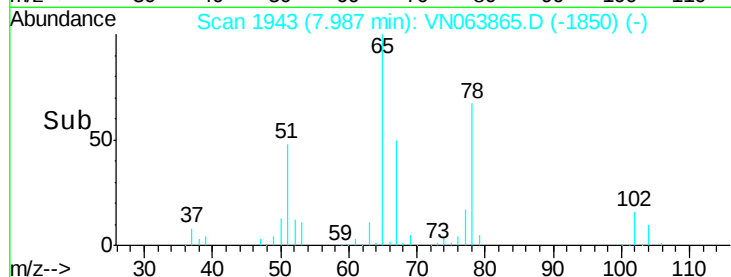
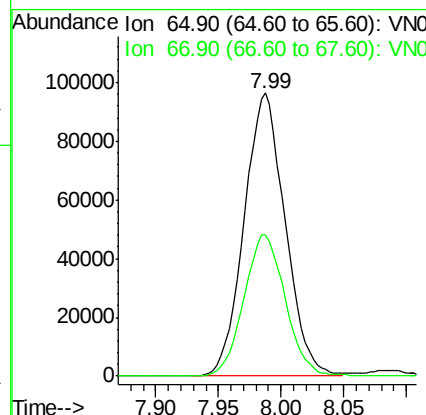
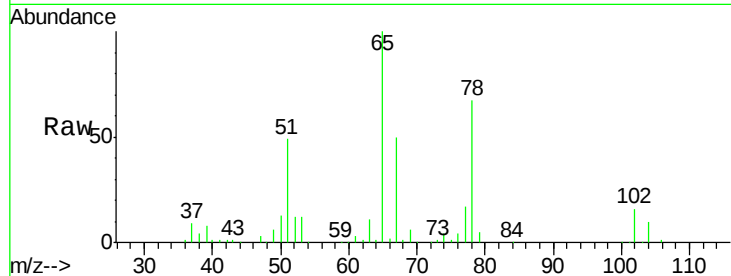
#33
 1,2-Dichloroethane-d4
 Concen: 49.095 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	21952		
67	50.1	0.0	99.6	

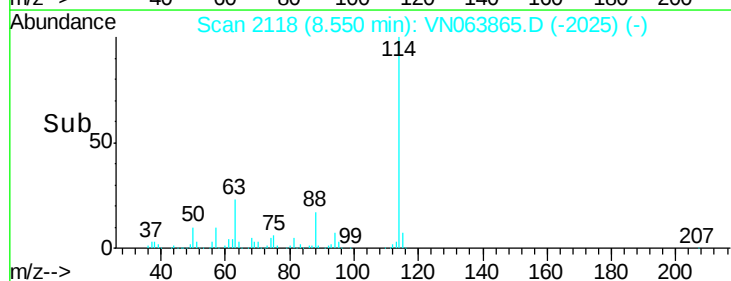
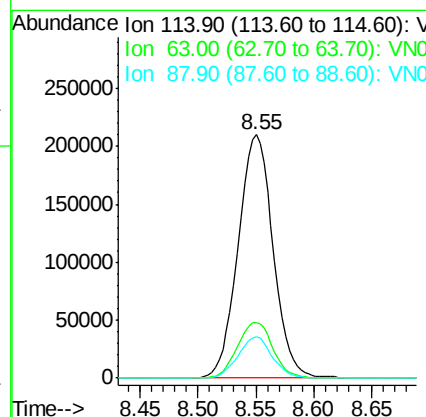
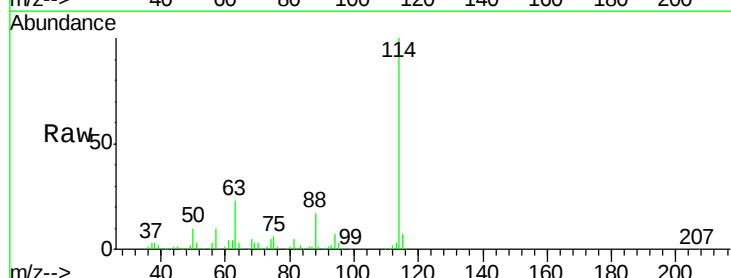
Manual Integrations
 APPROVED

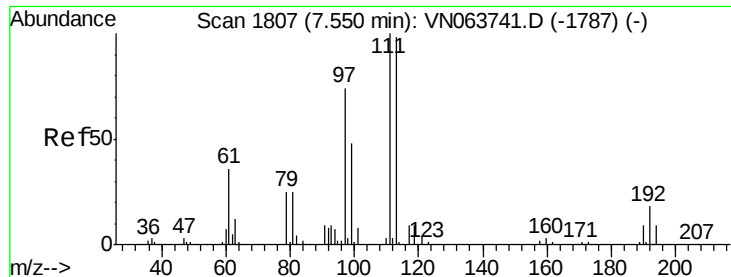
MMDadoda
 10/6/2020 12:56:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	439139		
63	22.9	0.0	45.0	
88	17.2	0.0	34.0	





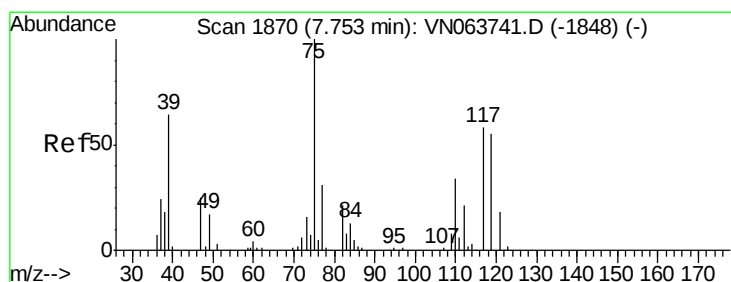
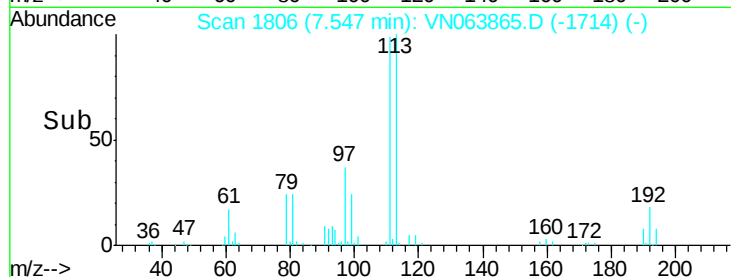
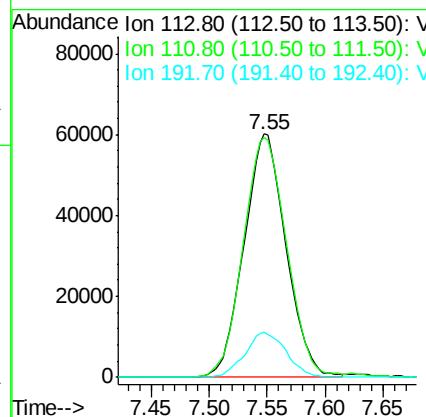
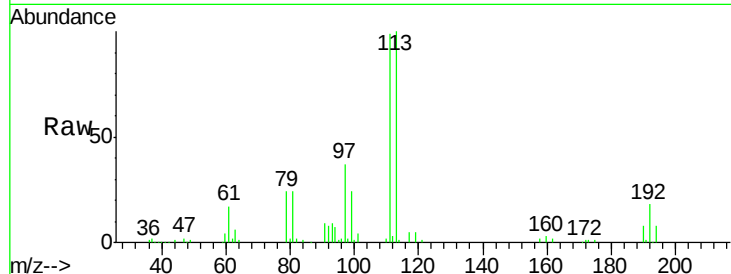
#35
Dibromofluoromethane
Concen: 49.714 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1005MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	151484		
111	101.8	81.8	122.8	
192	18.0	14.2	21.2	

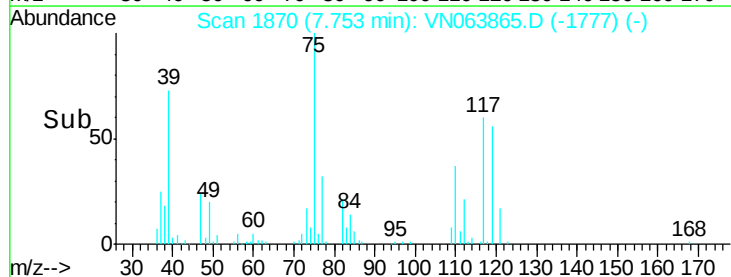
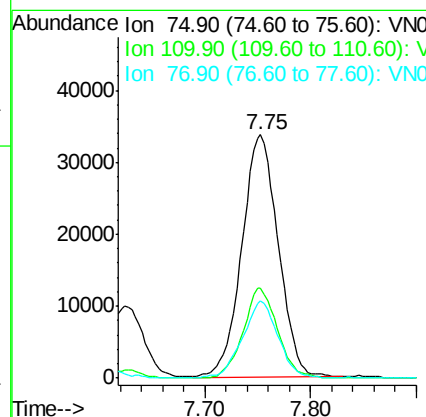
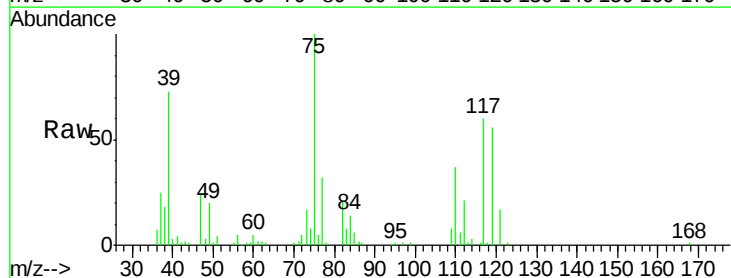
Manual Integrations
APPROVED

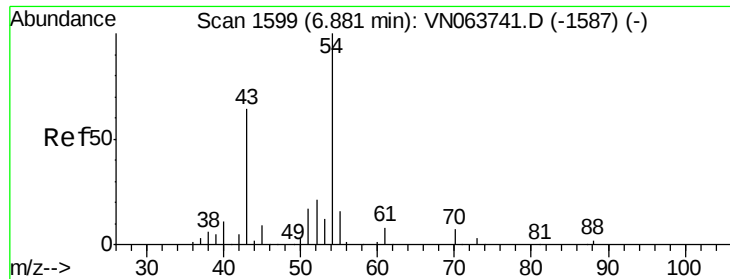
MMDadoda
10/6/2020 12:56:37 PM



#36
1,1-Dichloropropene
Concen: 18.233 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81119		
110	34.9	16.9	50.6	
77	30.9	24.5	36.7	





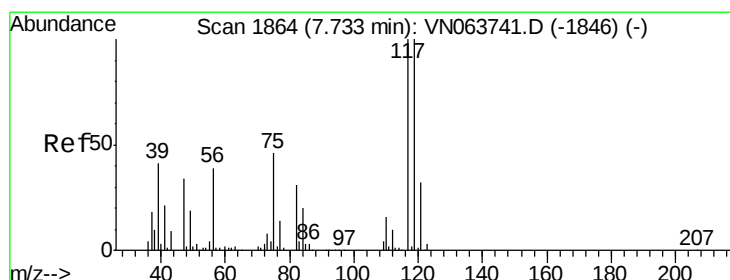
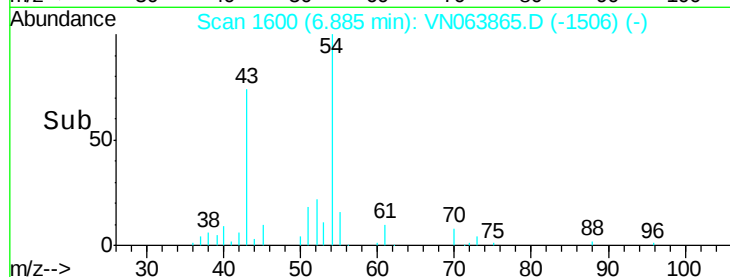
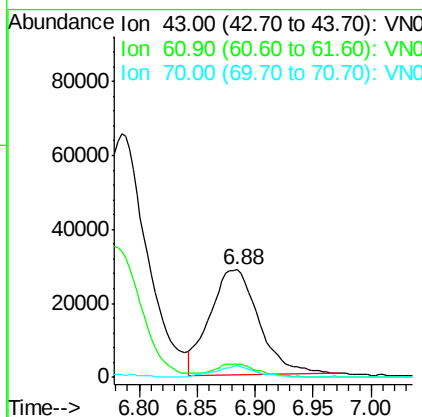
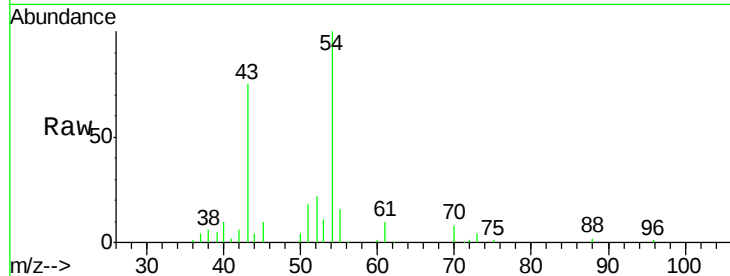
#37
Ethyl Acetate
Concen: 18.904 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1005MBS01

Tot Ion	43	61	70
Resp	83558		
Ratio	100	12.1	9.1
Lower		10.4	7.3
Upper		15.6	10.9

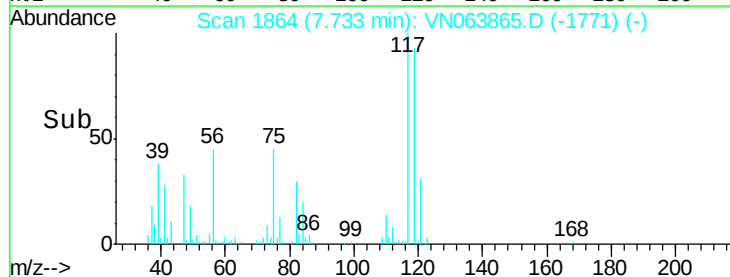
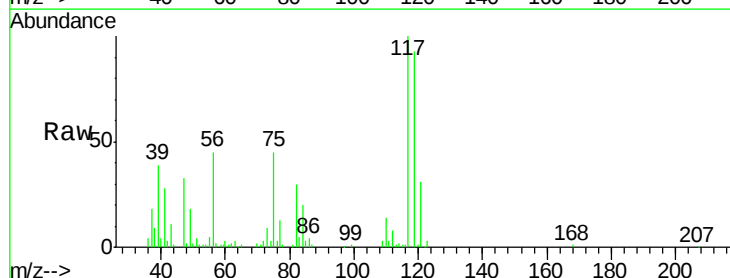
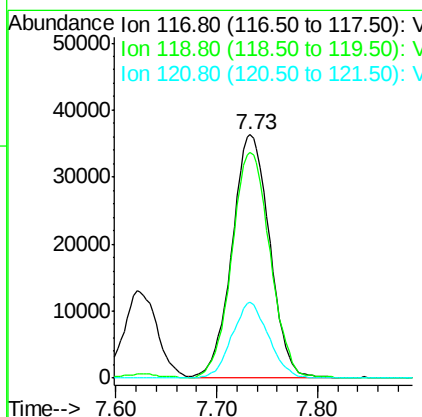
Manual Integrations
APPROVED

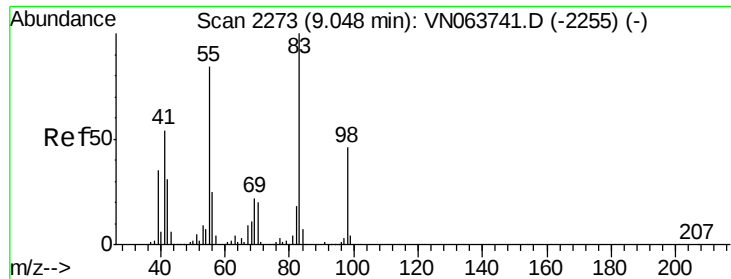
MMDadoda
10/6/2020 12:56:37 PM



#38
Carbon Tetrachloride
Concen: 18.891 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Tgt Ion	117	119	121
Resp	94241		
Ratio	100	92.6	30.9
Lower		80.1	25.7
Upper		120.1	38.5





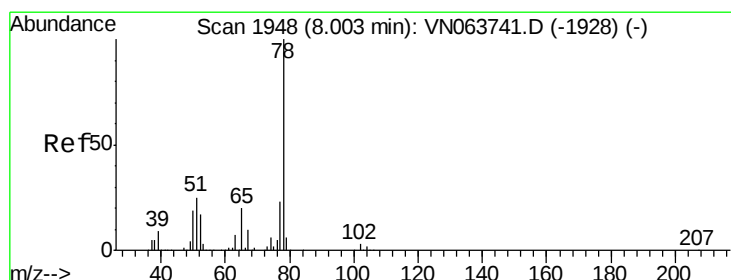
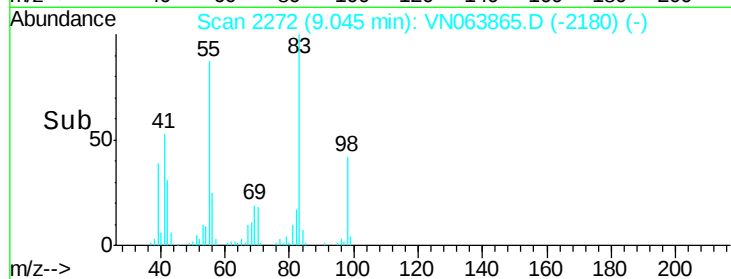
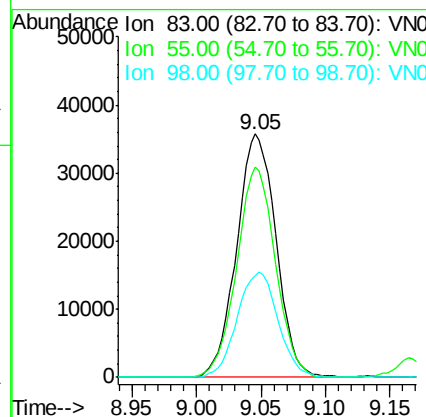
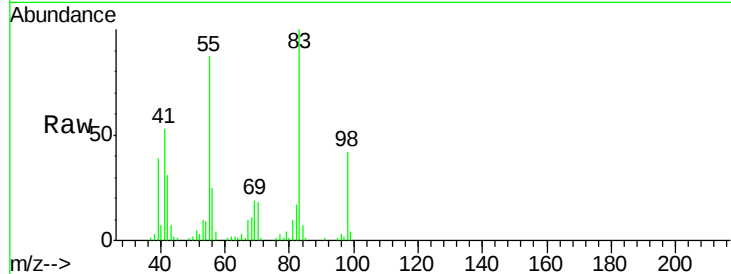
#39
Methvlcvclohexane
Concen: 17.121 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1005MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.6	67.1	100.7
98	41.9	36.6	54.8

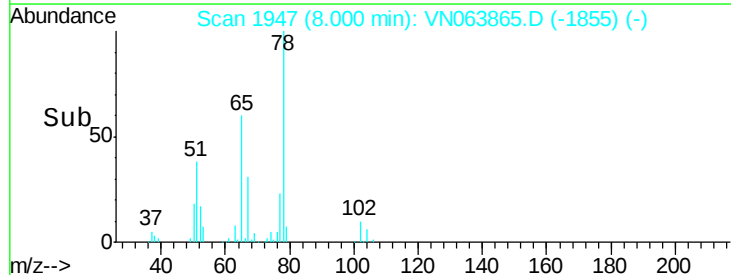
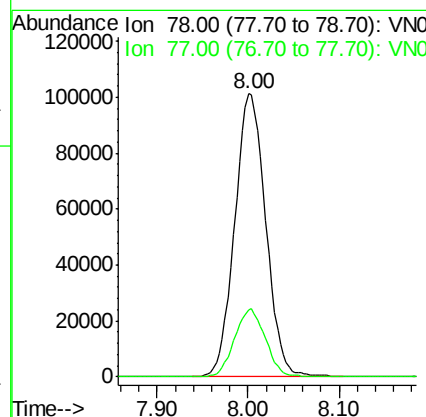
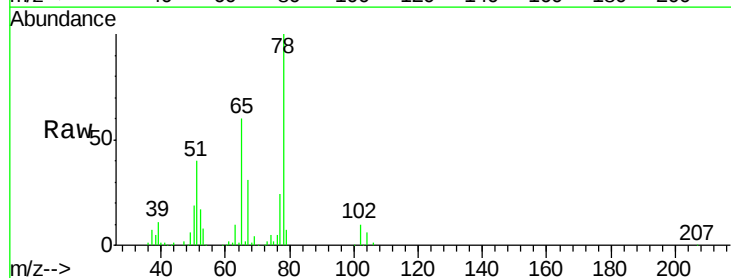
Manual Integrations
APPROVED

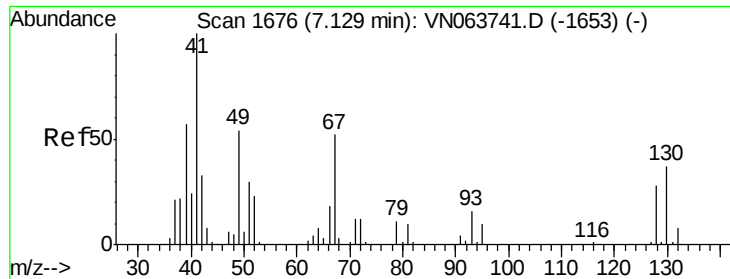
MMDadoda
10/6/2020 12:56:37 PM



#40
Benzene
Concen: 18.929 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1





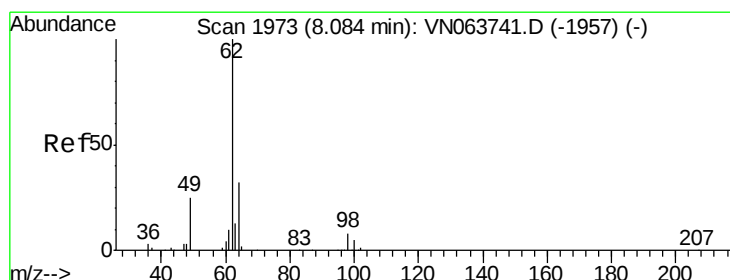
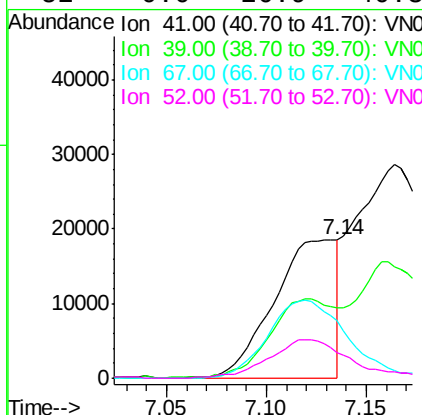
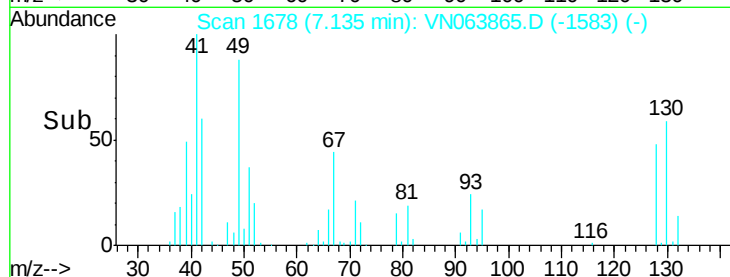
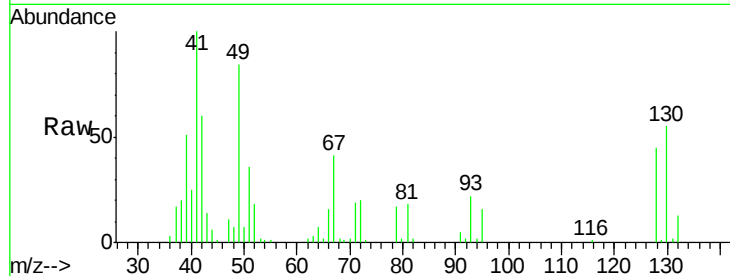
#41
Methacrylonitrile
Concen: 20.779 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1005MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	94.5	42.5	63.7#
67	0.0	57.4	86.2#
52	0.0	26.9	40.3#

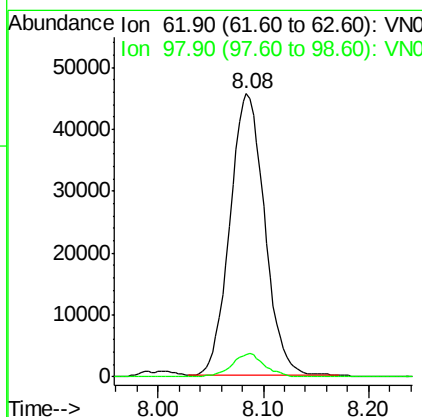
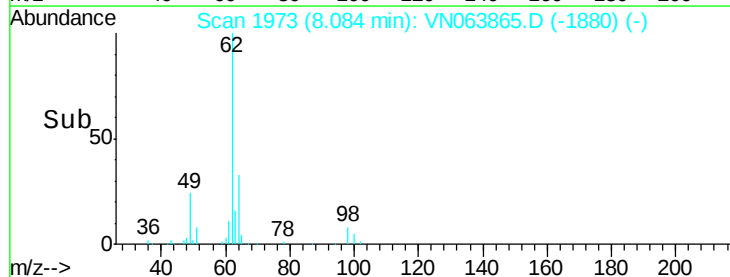
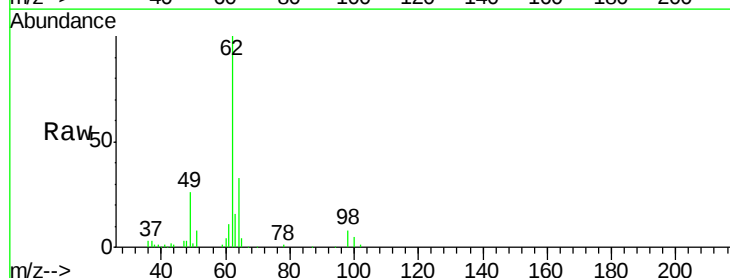
Manual Integrations
APPROVED

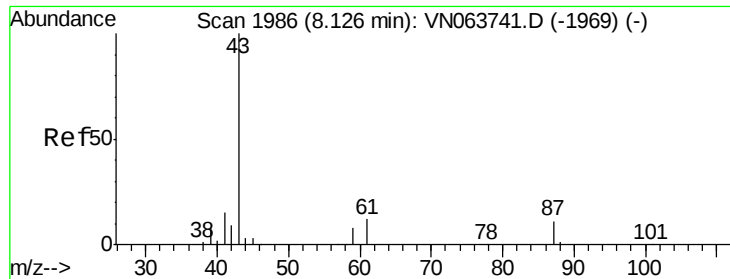
MMDadoda
10/6/2020 12:56:37 PM



#42
1,2-Dichloroethane
Concen: 19.155 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.0





#43

Isopropyl Acetate

Concen: 19.397 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Instrument :

MSVOA_N

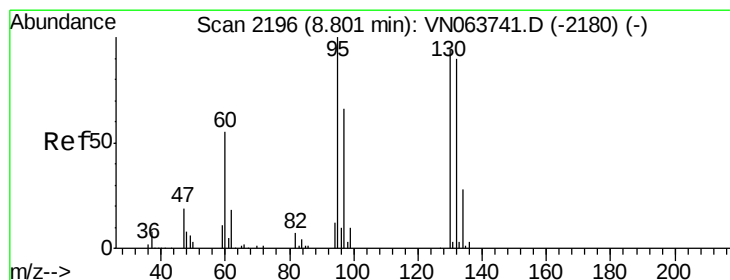
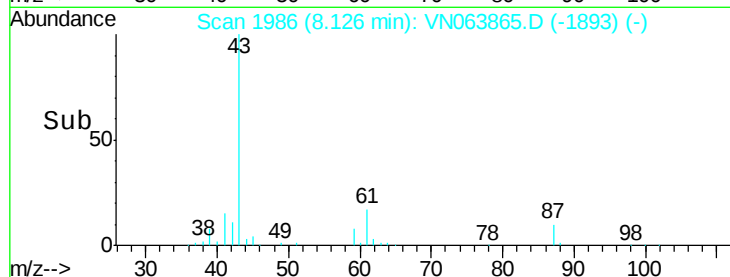
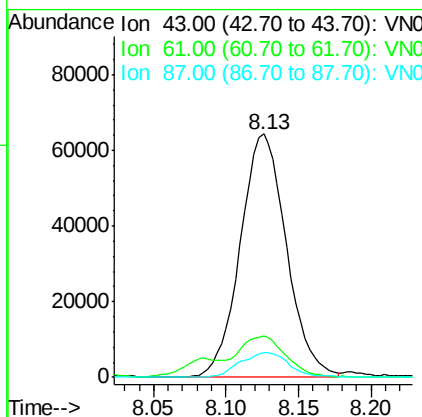
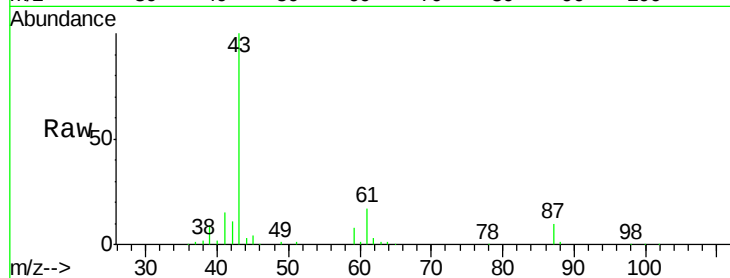
ClientSampleId :

VN1005MBS01

Tot Ion:	43	Resp:	141416
Ion	Ratio	Lower	Upper
43	100		
61	17.3	14.2	21.4
87	10.9	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
10/6/2020 12:56:37 PM



#44

Trichloroethene

Concen: 18.930 ug/l

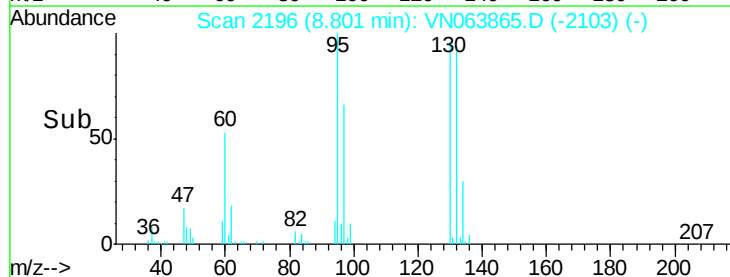
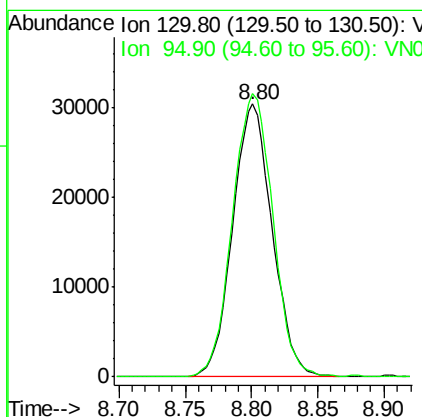
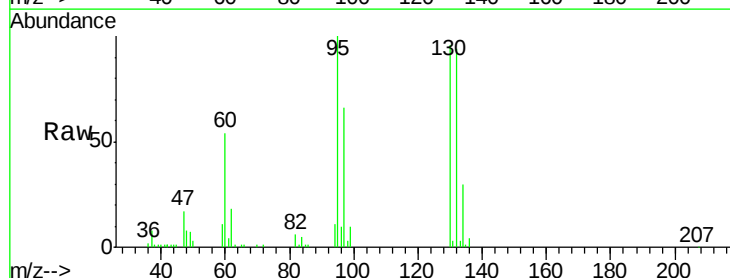
RT: 8.80 min Scan# 2196

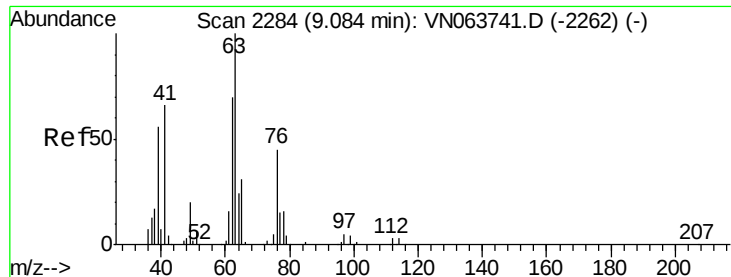
Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Tgt Ion:	130	Resp:	63026
Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	213.6





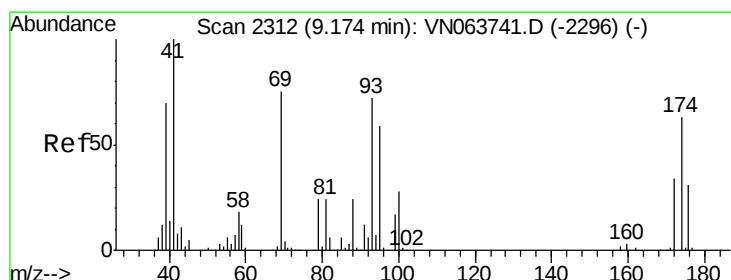
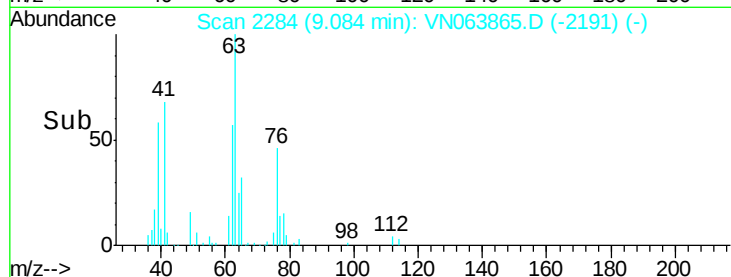
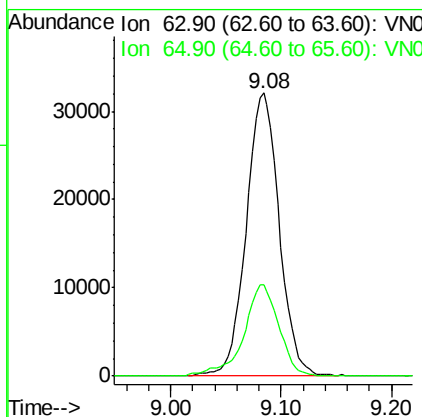
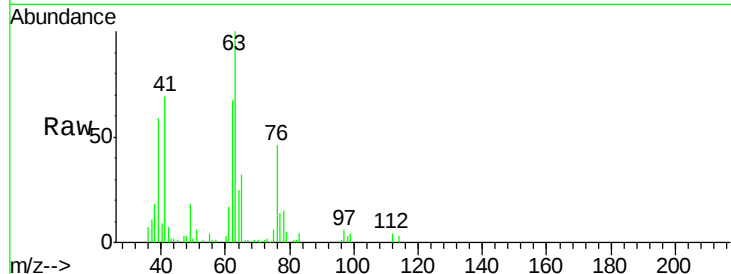
#45
 1,2-Dichloropropane
 Concen: 19.352 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005MBS01

Tot Ion: 63 Resp: 66411
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.7 37.1

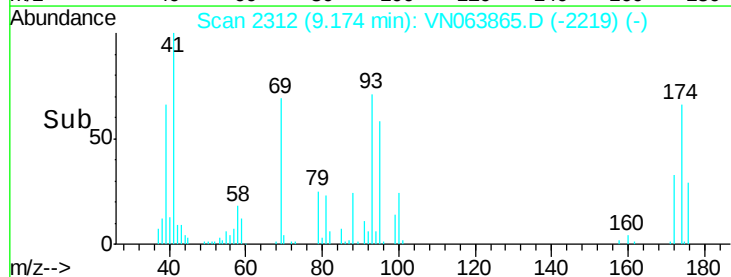
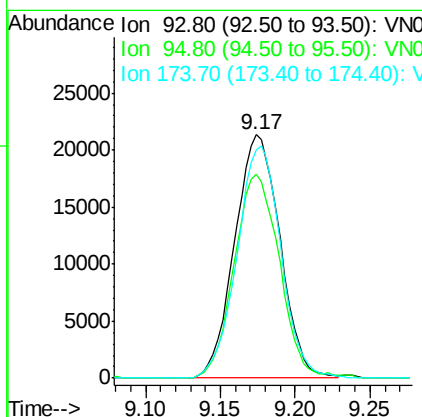
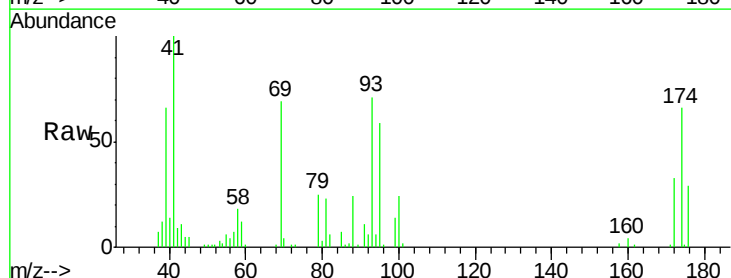
Manual Integrations
 APPROVED

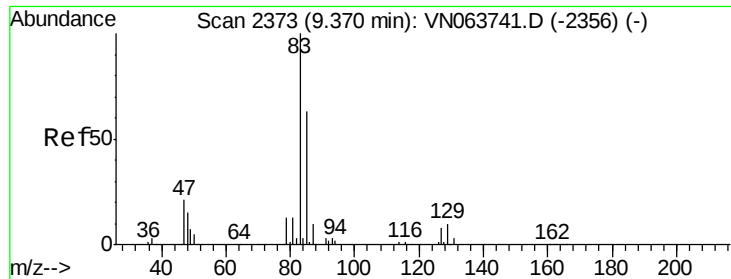
MMDadoda
 10/6/2020 12:56:37 PM



#46
 Dibromomethane
 Concen: 18.961 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Tgt Ion: 93 Resp: 44889
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.3 99.5
 174 92.7 72.7 109.1





#47

Bromodichloromethane

Concen: 19.731 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Instrument :

MSVOA_N

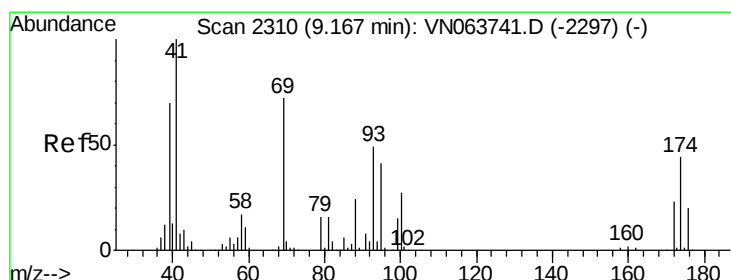
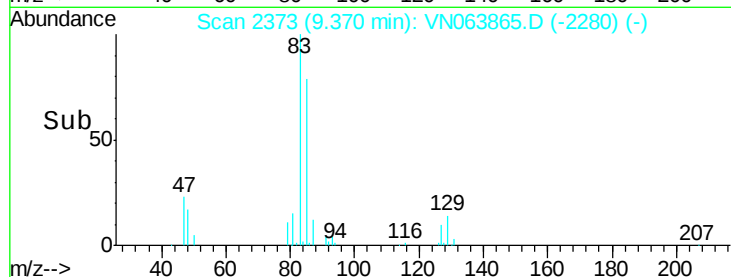
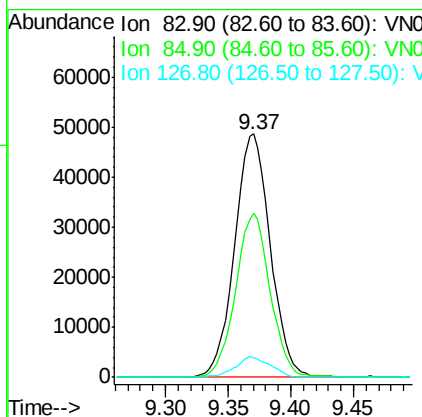
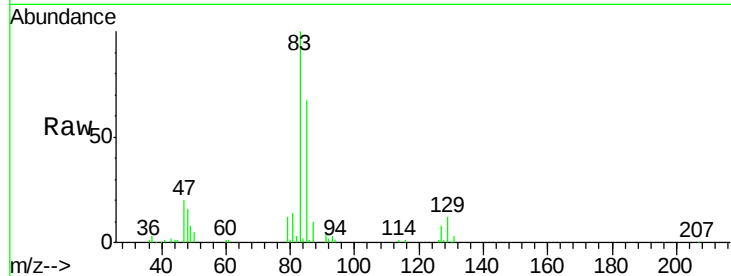
ClientSampleId :

VN1005MBS01

Tot Ion:	83	Resp:	96271
Ion	Ratio	Lower	Upper
83	100		
85	67.3	50.6	75.8
127	8.3	6.6	9.8

Manual Integrations
APPROVED

MMDadoda
10/6/2020 12:56:37 PM



#48

Methyl methacrylate

Concen: 19.369 ug/l

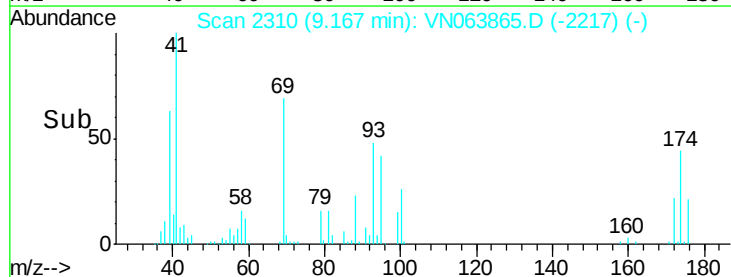
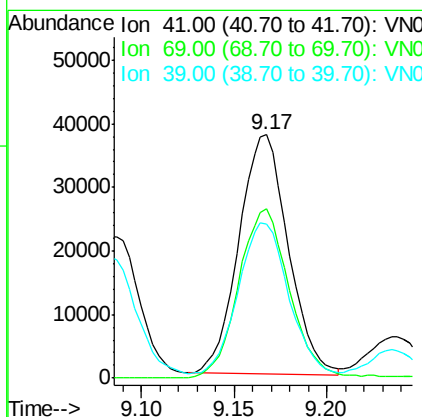
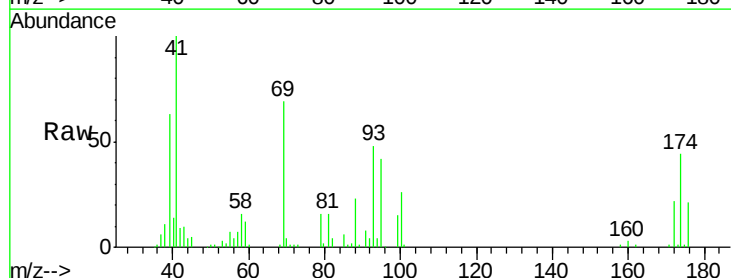
RT: 9.17 min Scan# 2310

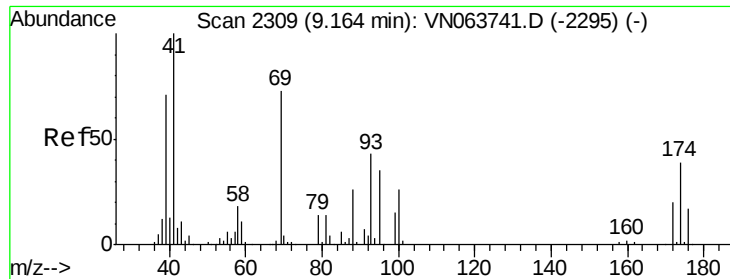
Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Tgt Ion:	41	Resp:	69767
Ion	Ratio	Lower	Upper
41	100		
69	72.7	60.9	91.3
39	67.1	57.5	86.3





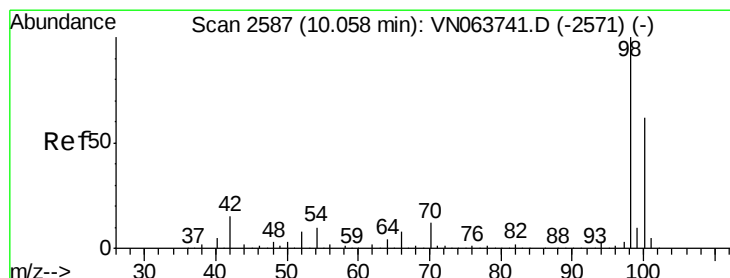
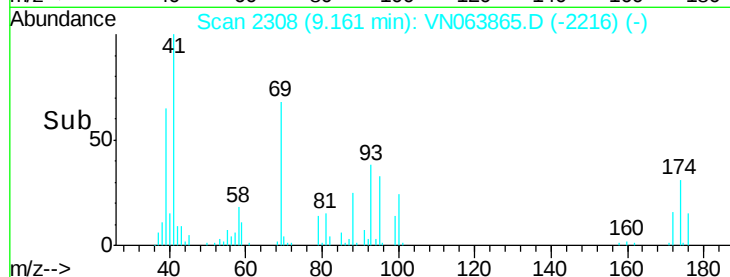
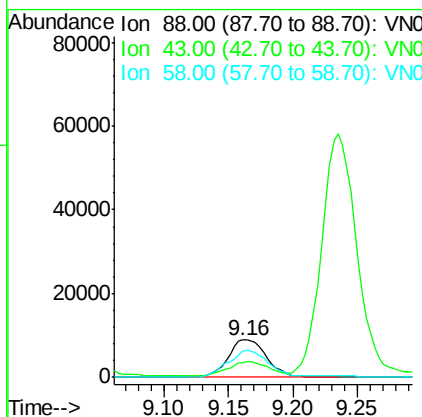
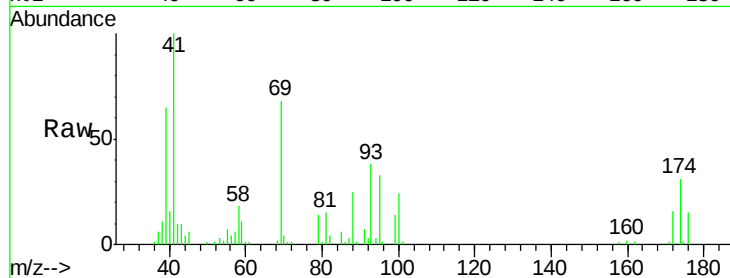
#49
1,4-Dioxane
Concen: 366.182 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1005MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.7	33.1	49.7
58	76.1	58.9	88.3

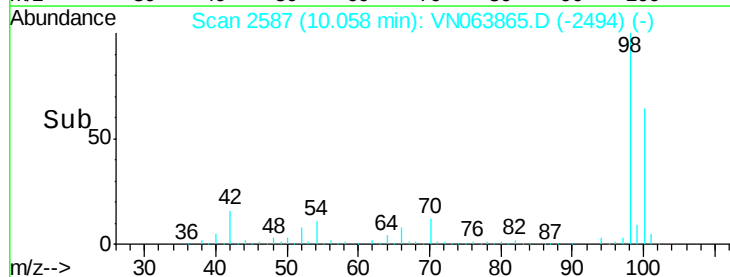
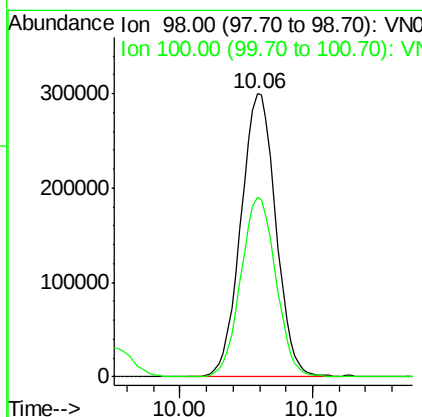
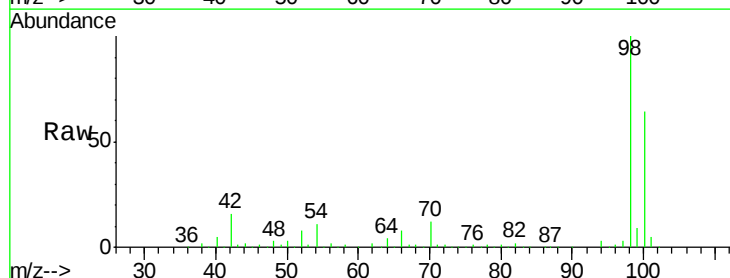
Manual Integrations
APPROVED

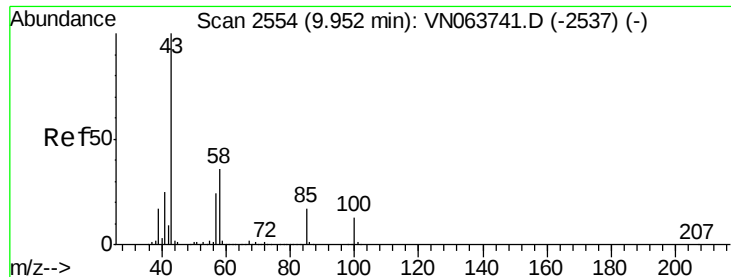
MMDadoda
10/6/2020 12:56:37 PM



#50
Toluene-d8
Concen: 47.601 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	49.8	74.6





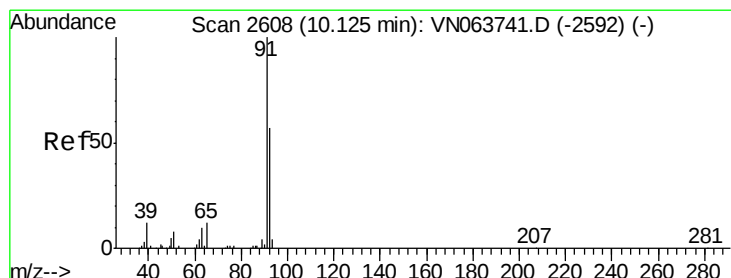
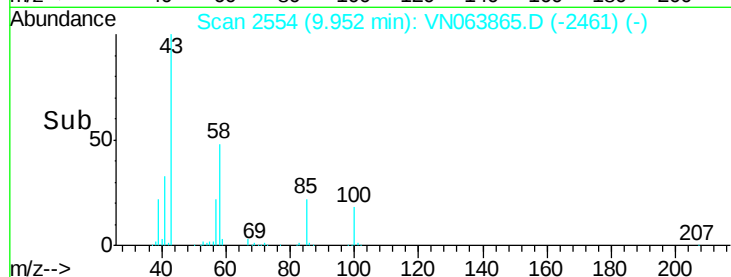
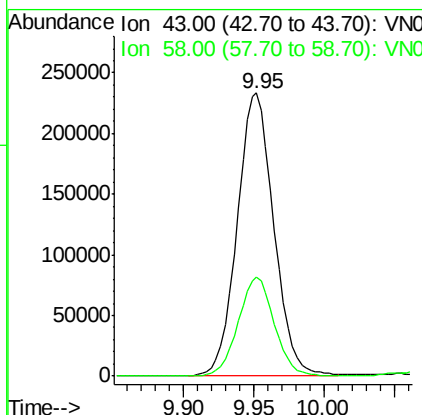
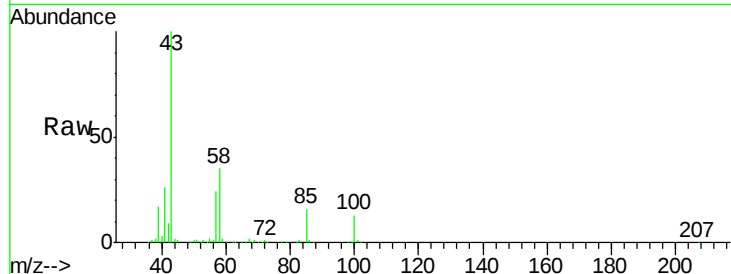
#51
4-Methyl-2-Pentanone
Concen: 98.547 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Instrument :
MSVOA_N
ClientSampled :
VN1005MBS01

Tot Ion	43	Resp	421634
Ion Ratio	43	100	
Lower	58	34.5	28.4
Upper			42.6

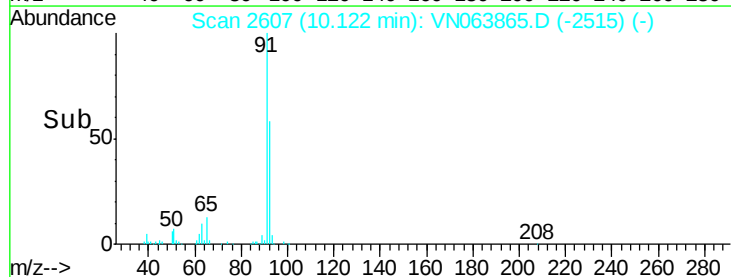
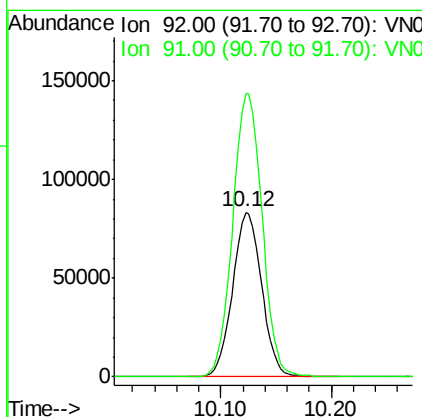
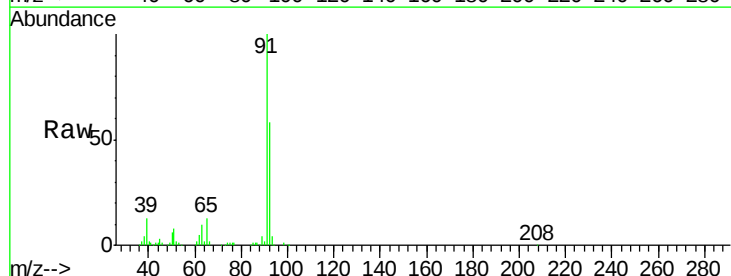
Manual Integrations
APPROVED

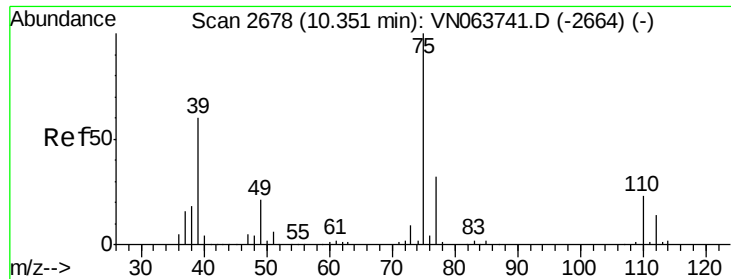
MMDadoda
10/6/2020 12:56:37 PM



#52
Toluene
Concen: 19.417 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Tgt Ion	92	Resp	152618
Ion Ratio	92	100	
Lower	91	173.6	140.6
Upper			210.8





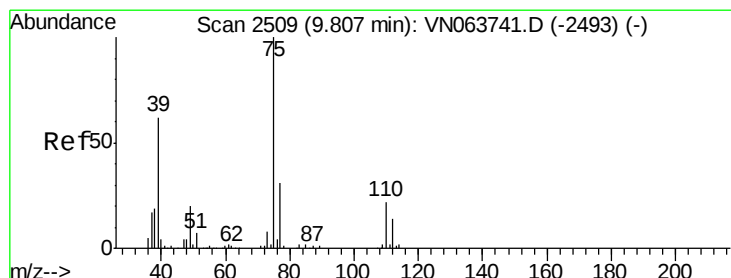
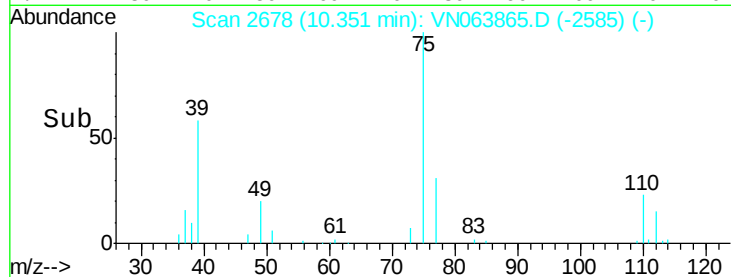
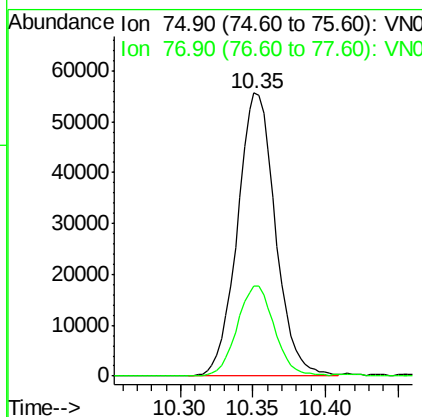
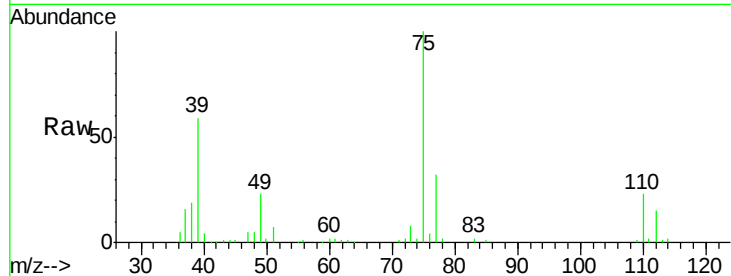
#53
t-1,3-Dichloropropene
Concen: 19.386 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1005MBS01

Tot Ion: 75 Resp: 101392
Ion Ratio Lower Upper
75 100
77 31.8 25.3 37.9

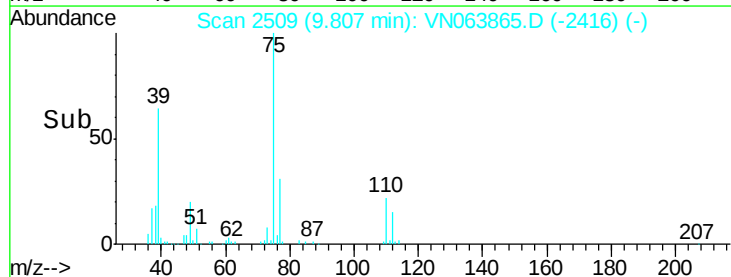
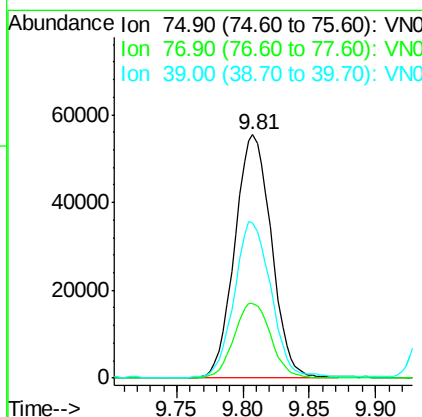
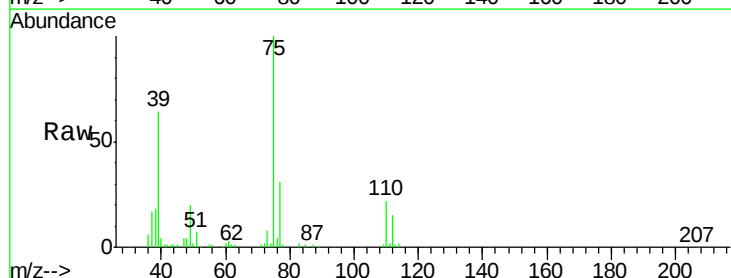
Manual Integrations
APPROVED

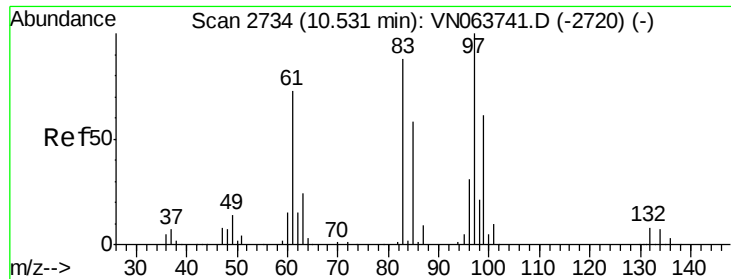
MMDadoda
10/6/2020 12:56:37 PM



#54
cis-1,3-Dichloropropene
Concen: 19.514 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Tgt Ion: 75 Resp: 106737
Ion Ratio Lower Upper
75 100
77 30.7 24.6 36.8
39 63.4 49.7 74.5





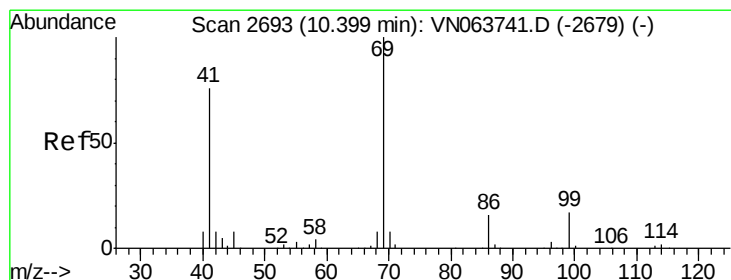
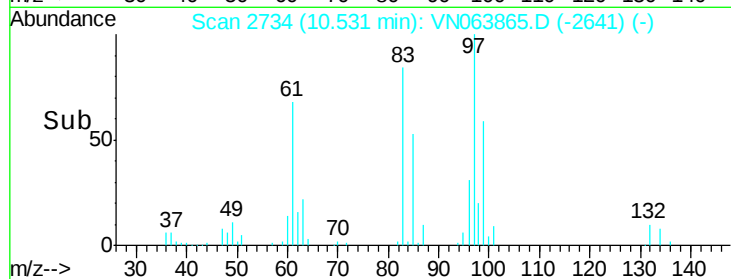
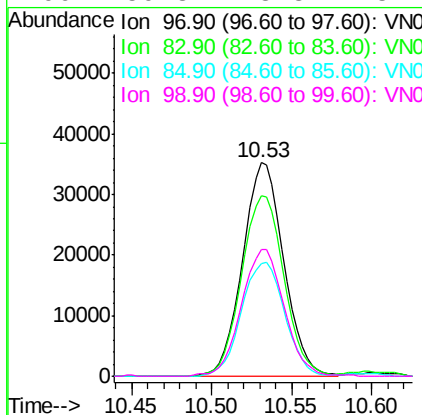
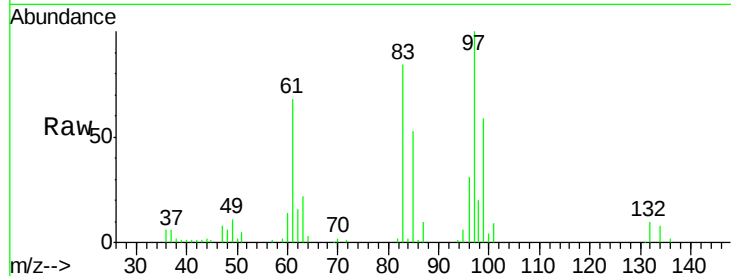
#55
 1,1,2-Trichloroethane
 Concen: 19.633 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN1005MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.4	70.7	106.1
85	53.0	46.1	69.1
99	59.3	48.8	73.2

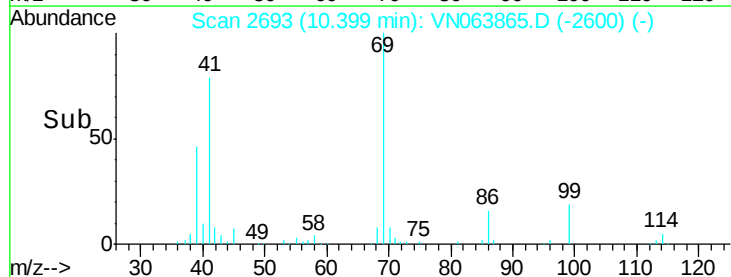
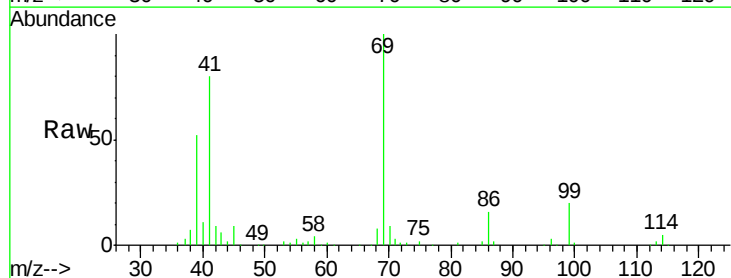
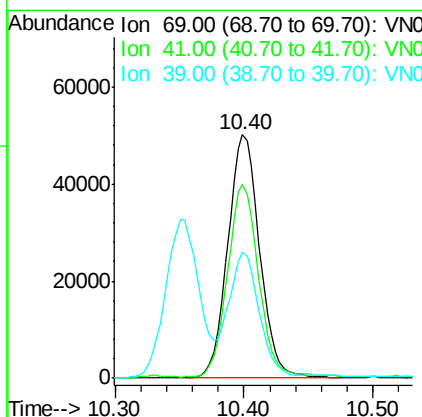
Manual Integrations
 APPROVED

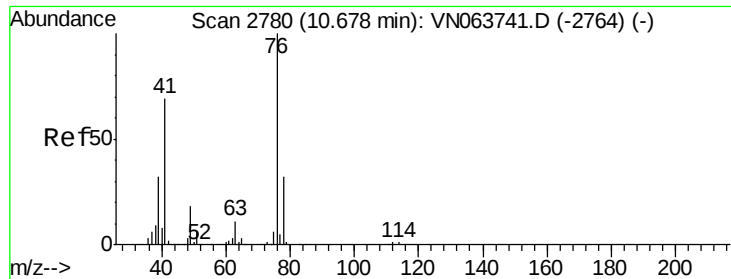
MMDadoda
 10/6/2020 12:56:37 PM



#56
 Ethyl methacrylate
 Concen: 19.234 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Tgt Ion	Ratio	Lower	Upper
69	100		
41	77.4	61.1	91.7
39	49.8	42.2	63.4





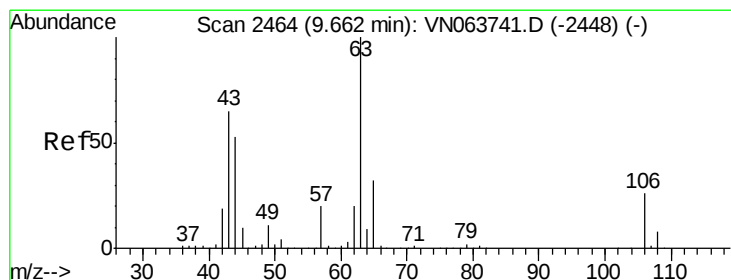
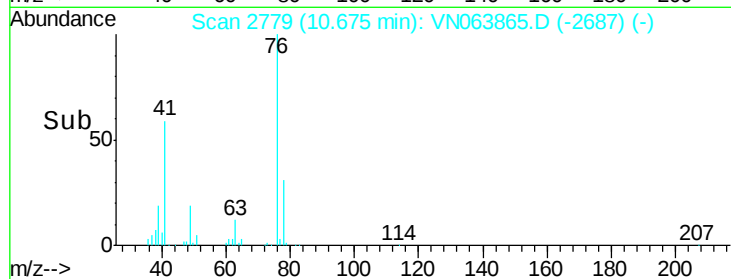
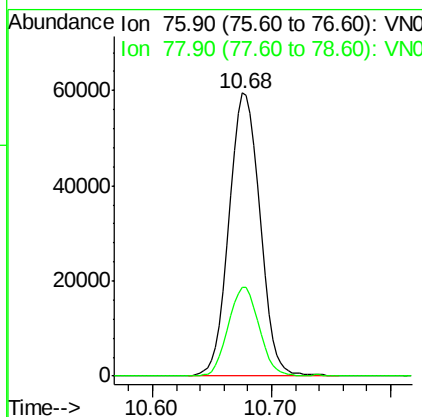
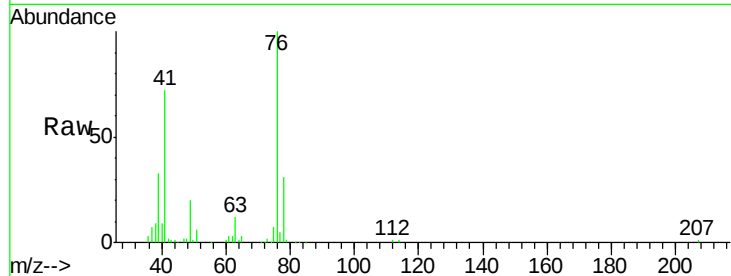
#57
 1,3-Dichloropropane
 Concen: 20.221 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005MBS01

Tot Ion: 76 Resp: 107834
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.2 37.8

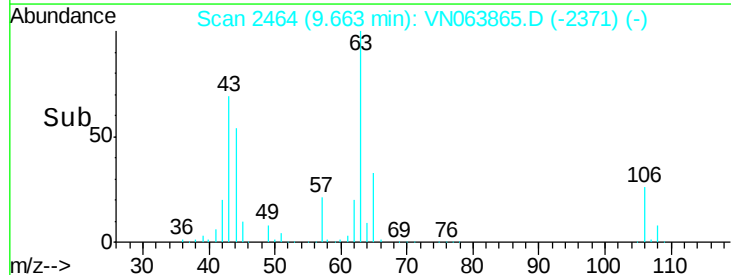
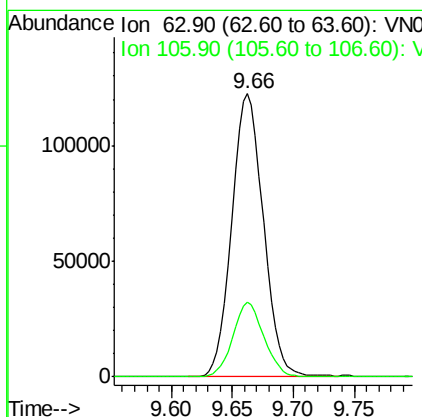
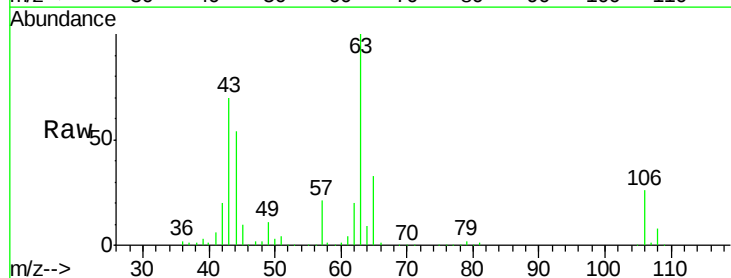
Manual Integrations
 APPROVED

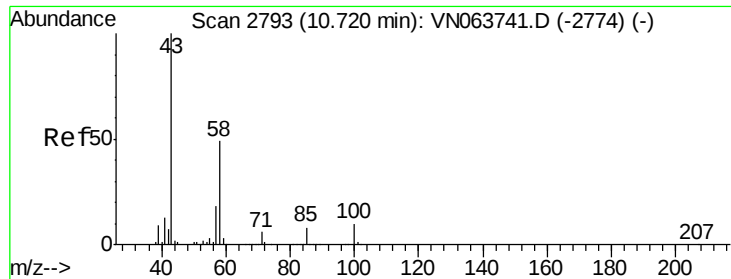
MMDadoda
 10/6/2020 12:56:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.475 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Tgt Ion: 63 Resp: 221011
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.7 31.1





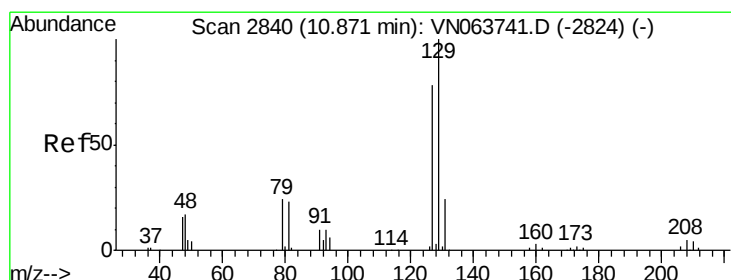
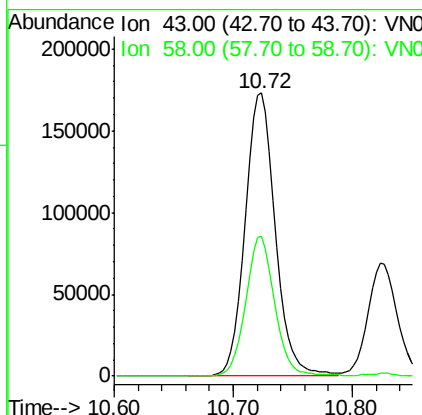
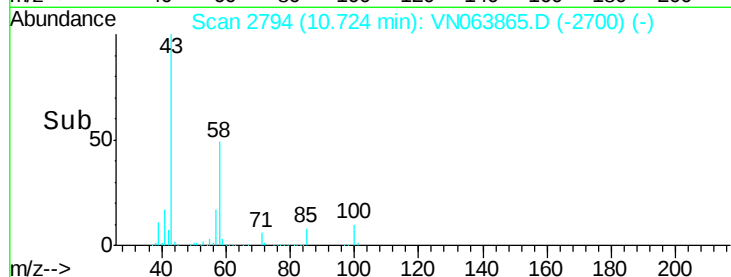
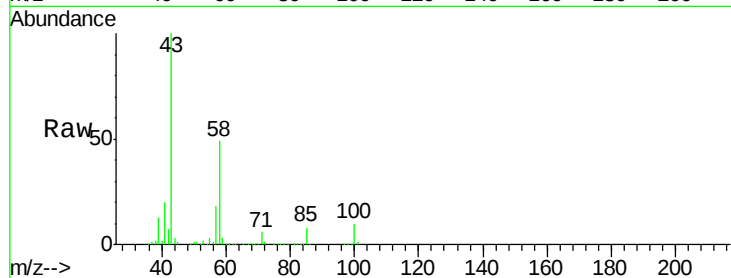
#59
2-Hexanone
Concen: 95.130 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1005MBS01

Tot Ion: 43 Resp: 302356
Ion Ratio Lower Upper
43 100
58 47.6 24.6 73.8

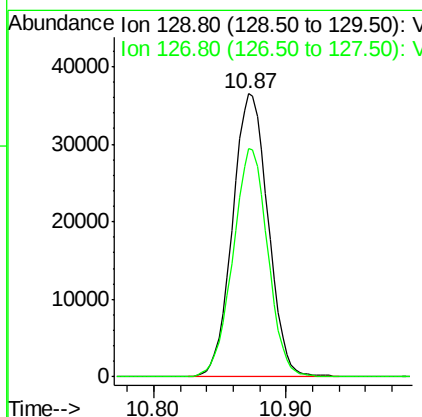
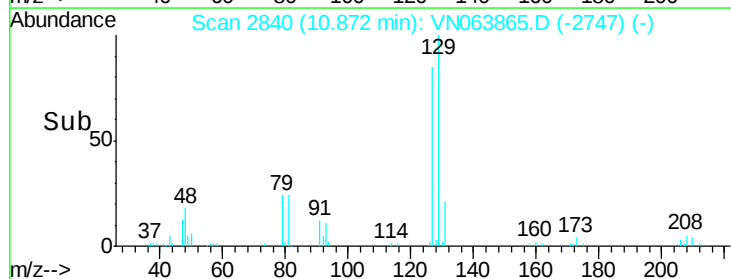
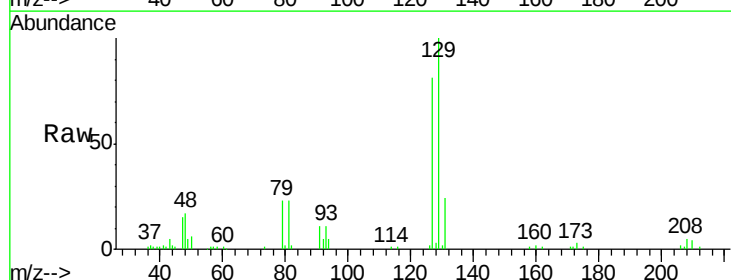
Manual Integrations
APPROVED

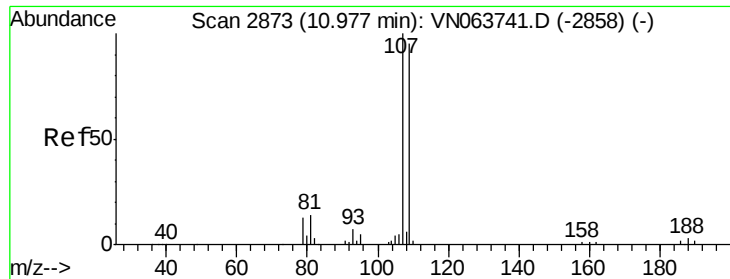
MMDadoda
10/6/2020 12:56:37 PM



#60
Dibromochloromethane
Concen: 18.495 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Tgt Ion: 129 Resp: 67893
Ion Ratio Lower Upper
129 100
127 79.1 38.9 116.7





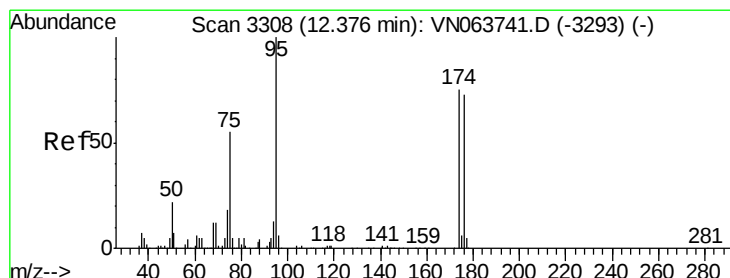
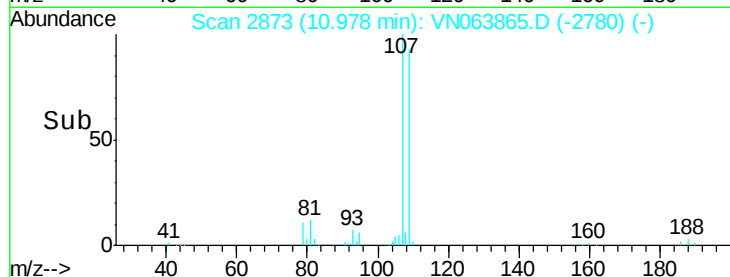
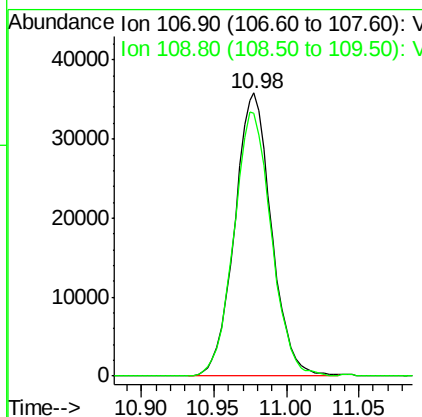
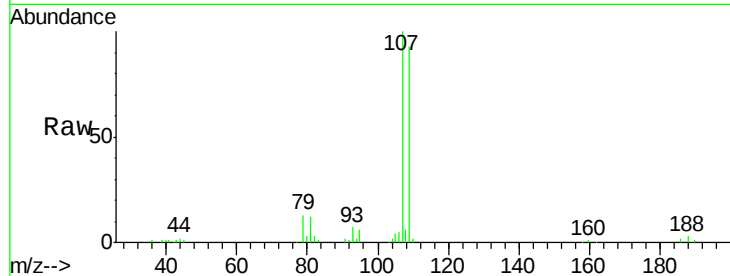
#61
 1,2-Dibromoethane
 Concen: 19.523 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	74.8	112.2

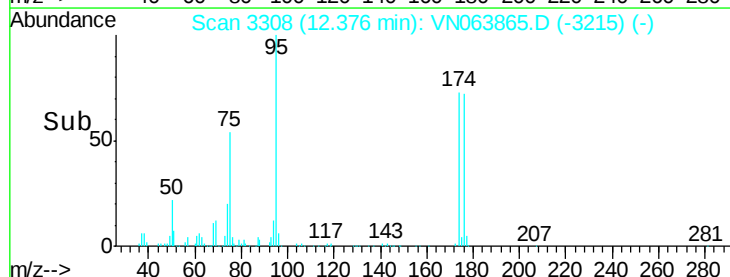
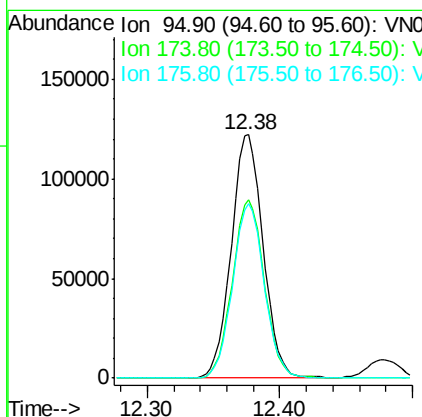
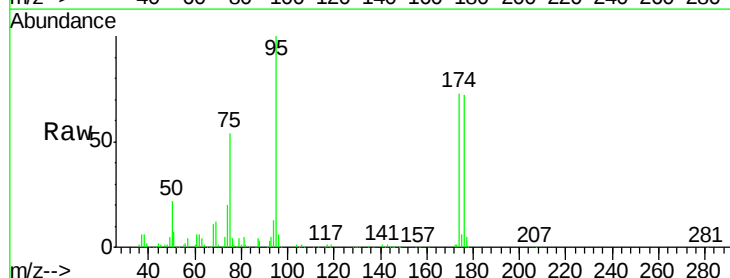
Manual Integrations
 APPROVED

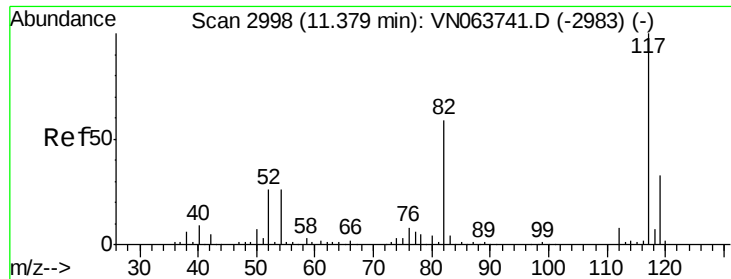
MMDadoda
 10/6/2020 12:56:37 PM



#62
 4-Bromofluorobenzene
 Concen: 47.014 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	150.6
176	71.1	0.0	145.4





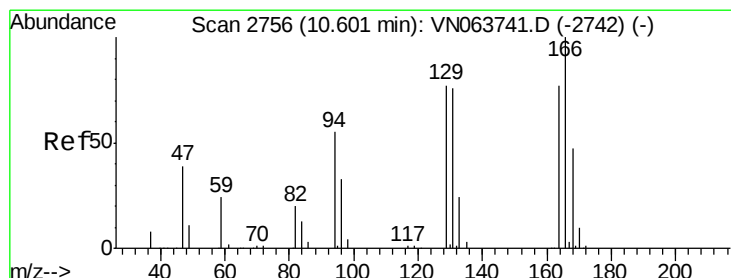
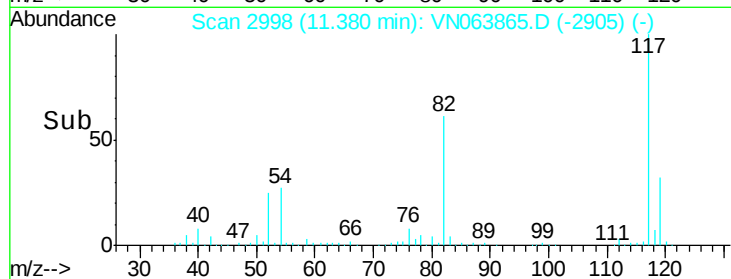
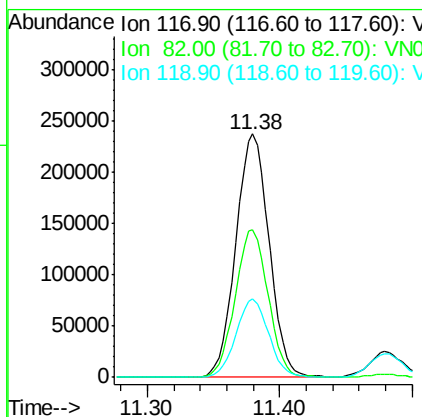
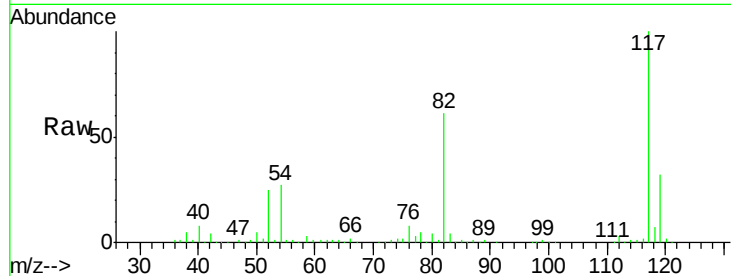
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1005MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	47.4	71.2
119	32.0	26.4	39.6

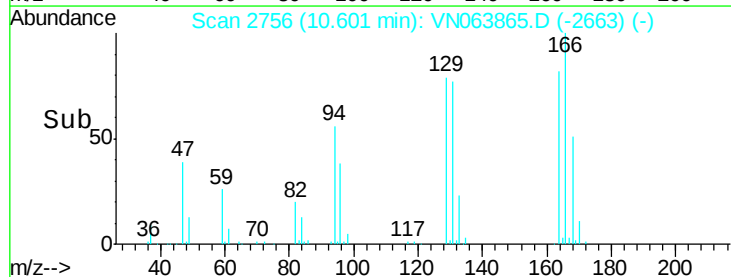
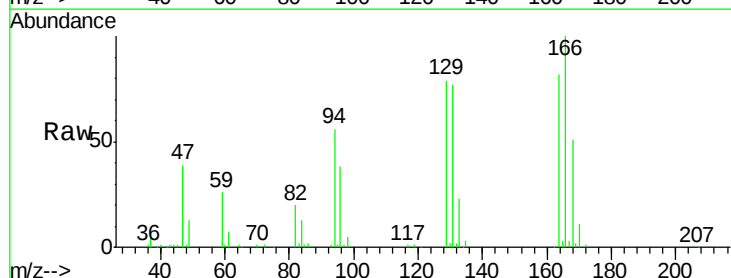
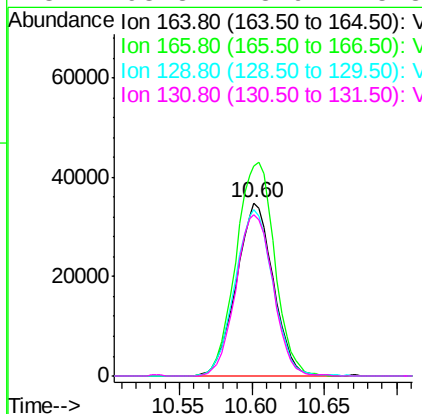
Manual Integrations
APPROVED

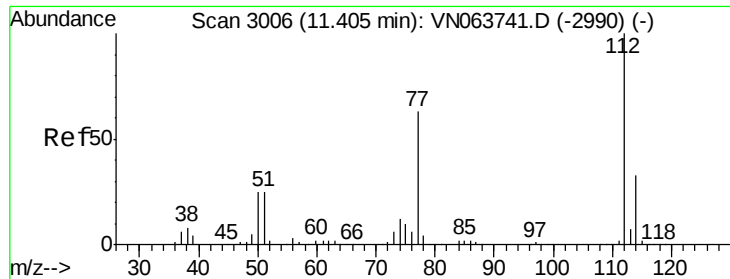
MMDadoda
10/6/2020 12:56:37 PM



#64
Tetrachloroethene
Concen: 19.232 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.6	103.9	155.9
129	96.1	80.3	120.5
131	93.3	78.9	118.3





#65

Chlorobenzene

Concen: 18.990 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Instrument :

MSVOA_N

ClientSampled :

VN1005MBS01

Tot Ion:112 Resp: 161560

Ion Ratio Lower Upper

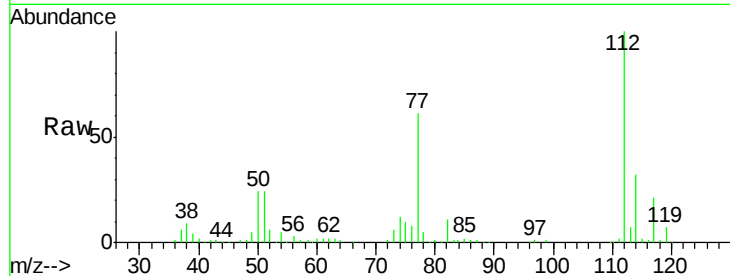
112 100

114 31.8 26.1 39.1

Manual Integrations
APPROVED

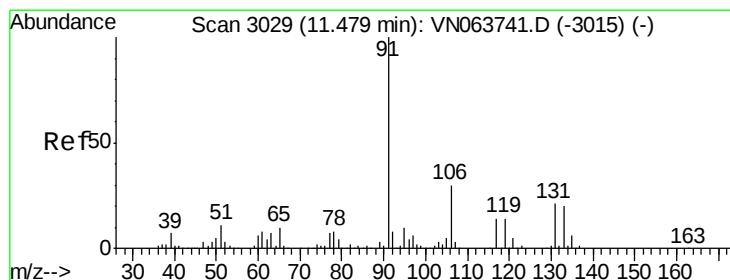
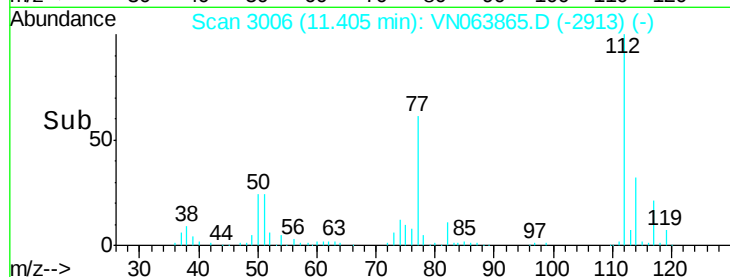
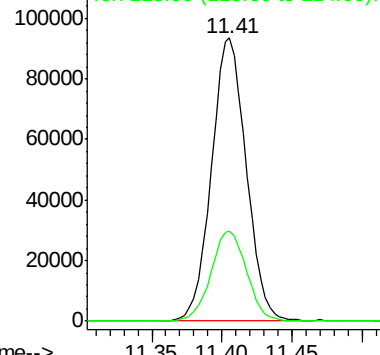
MMDadoda

10/6/2020 12:56:37 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.473 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

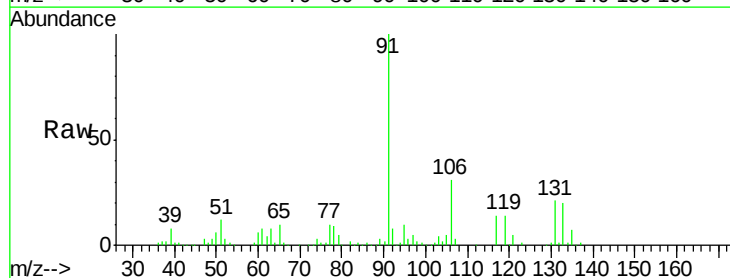
Tgt Ion:131 Resp: 63513

Ion Ratio Lower Upper

131 100

133 96.0 47.3 141.8

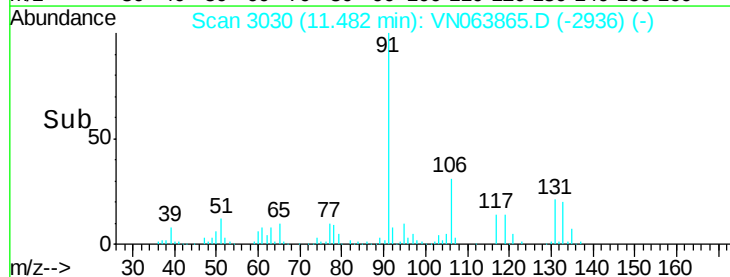
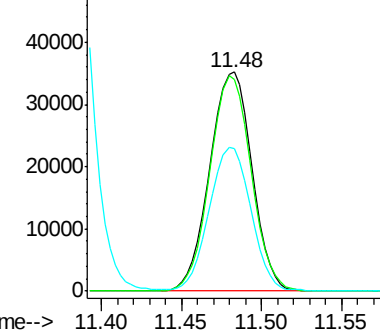
119 65.1 32.6 97.7

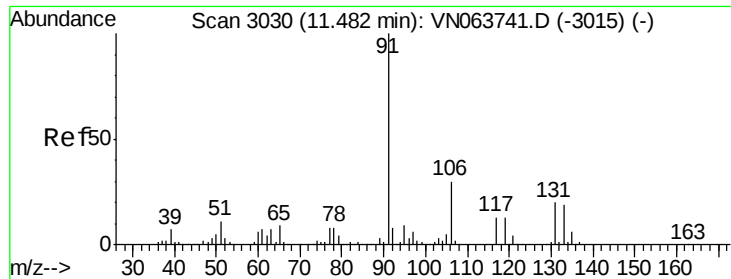


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





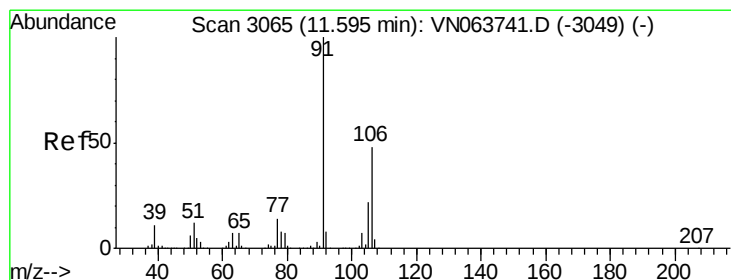
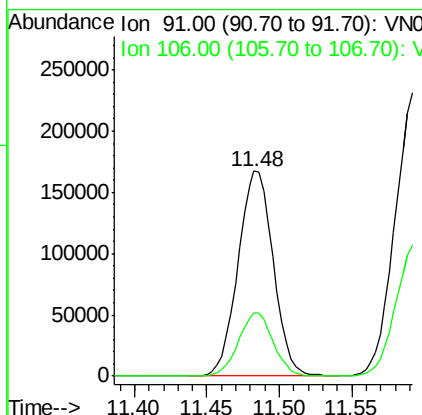
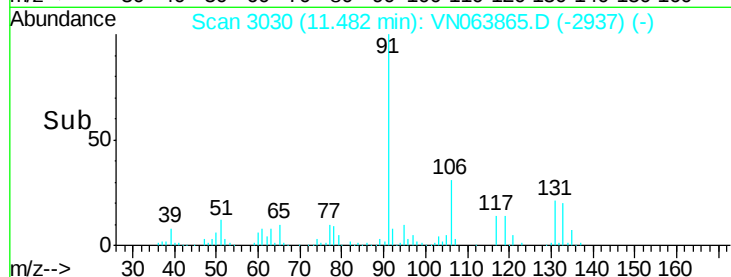
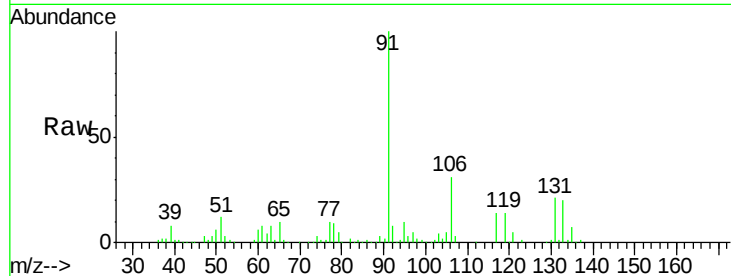
#67
Ethyl Benzene
Concen: 18.254 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Instrument :
MSVOA_N
ClientSampled :
VN1005MBS01

Tot Ion: 91 Resp: 282579
Ion Ratio Lower Upper
91 100
106 30.6 24.2 36.2

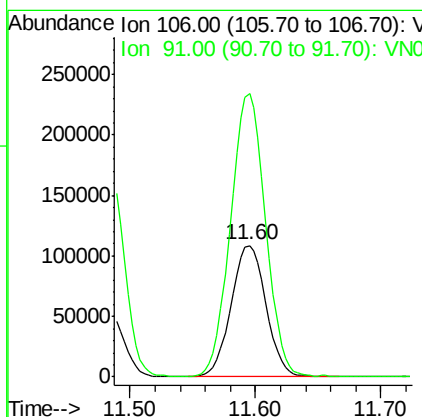
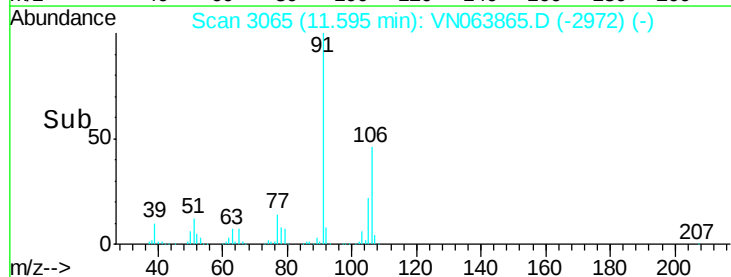
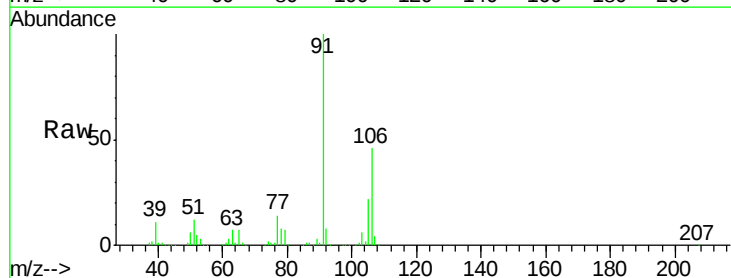
Manual Integrations
APPROVED

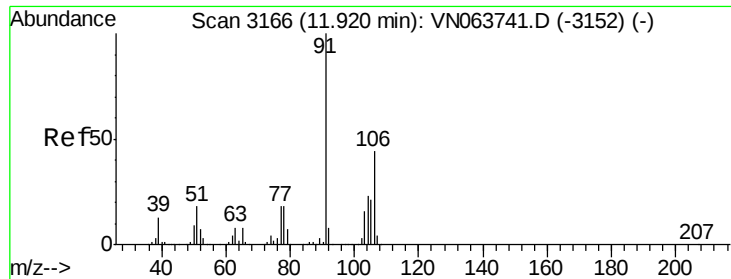
MMDadoda
10/6/2020 12:56:37 PM



#68
m/p-Xylenes
Concen: 36.351 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Tgt Ion: 106 Resp: 209733
Ion Ratio Lower Upper
106 100
91 214.0 168.0 252.0





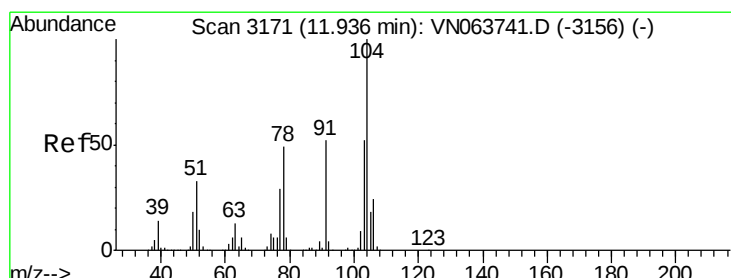
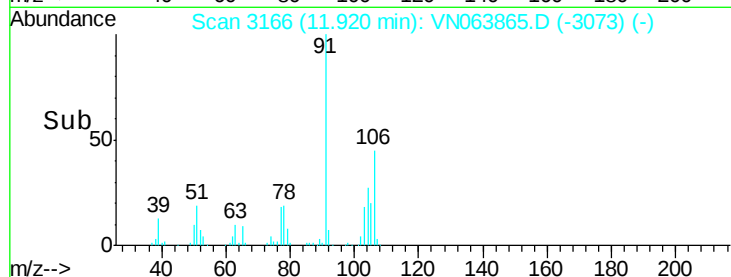
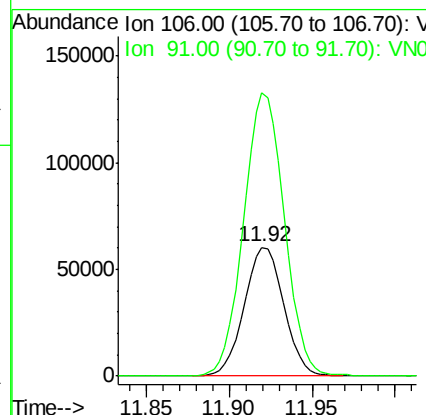
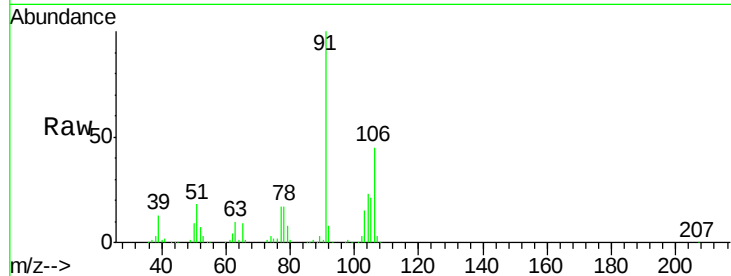
#69
o-Xylene
Concen: 18.626 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Instrument :
MSVOA_N
ClientSampled :
VN1005MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	100445		
91	91	225.9	112.7	338.0	

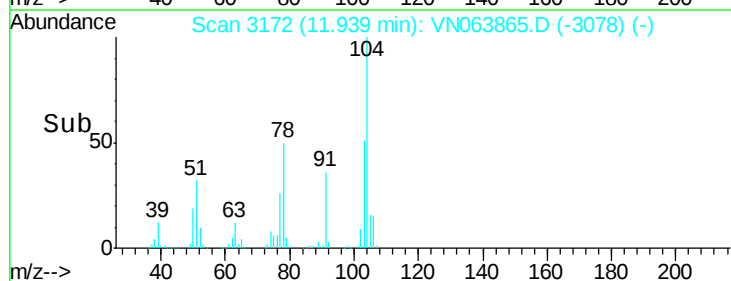
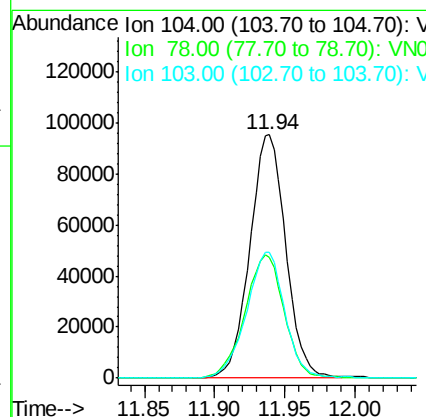
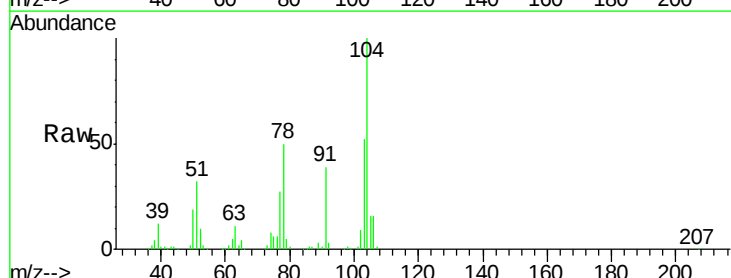
Manual Integrations
APPROVED

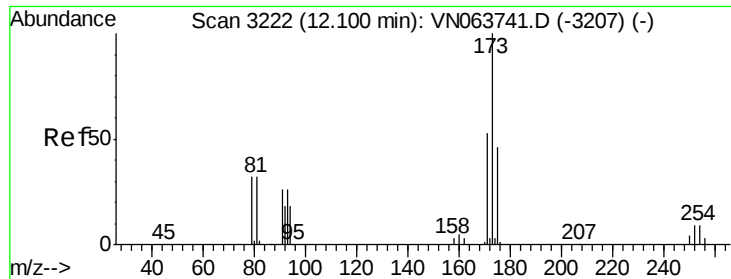
MMDadoda
10/6/2020 12:56:37 PM



#70
Styrene
Concen: 18.639 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	170619		
78	78	55.3	44.1	66.1	
103	103	54.8	44.3	66.5	





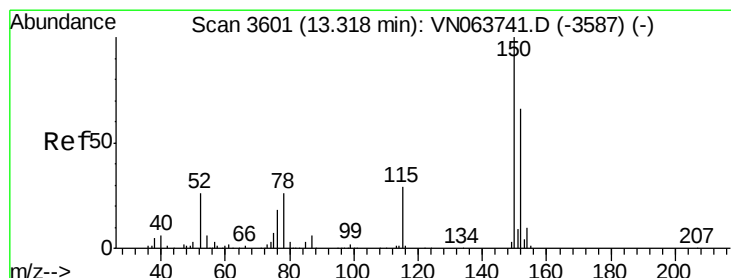
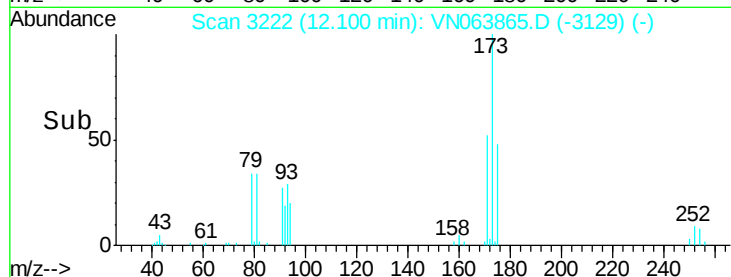
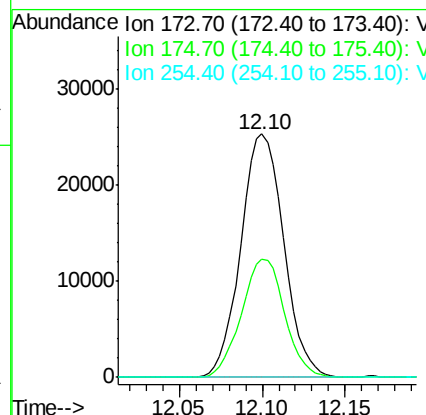
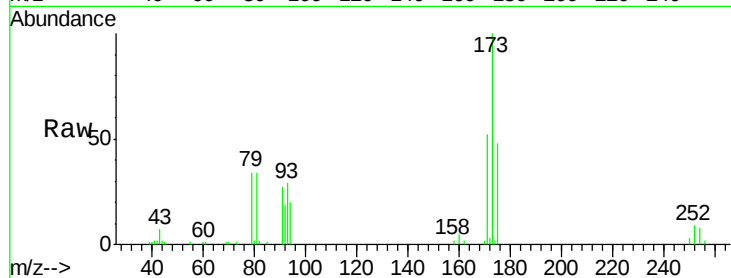
#71
Bromoform
Concen: 18.350 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1005MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.5	70.5
254	0.0	0.0	0.0

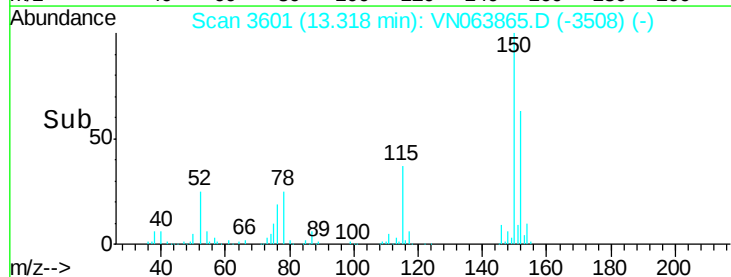
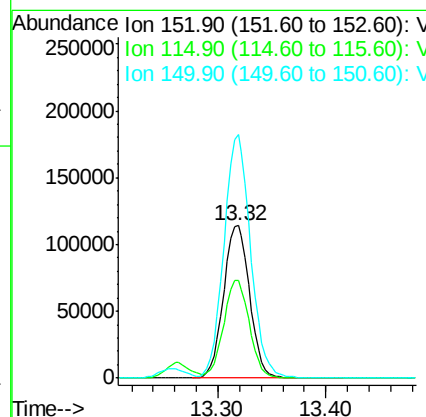
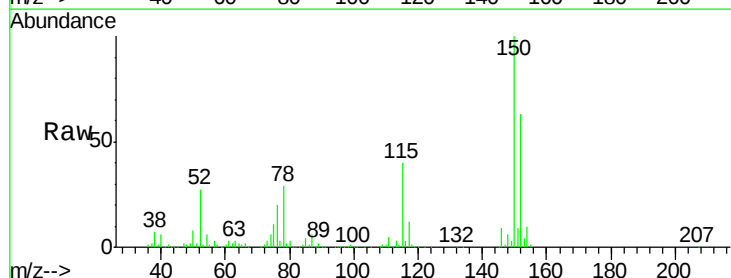
Manual Integrations
APPROVED

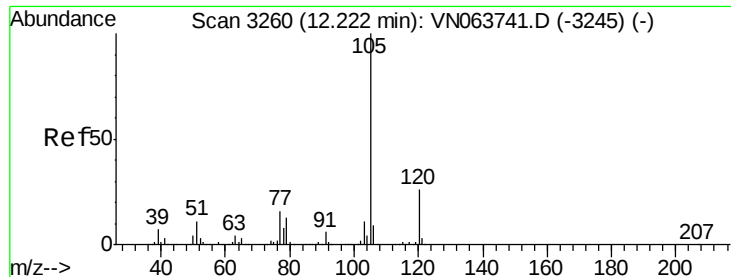
MMDadoda
10/6/2020 12:56:37 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.3	93.8
150	162.2	0.0	341.8





#73

Isopropylbenzene

Concen: 18.916 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1005MBS01

Tot Ion:105 Resp: 265575

Ion Ratio Lower Upper

105 100

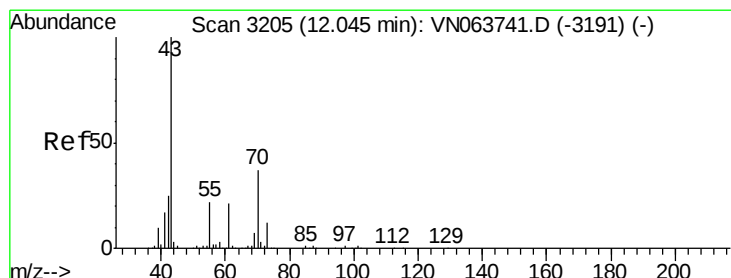
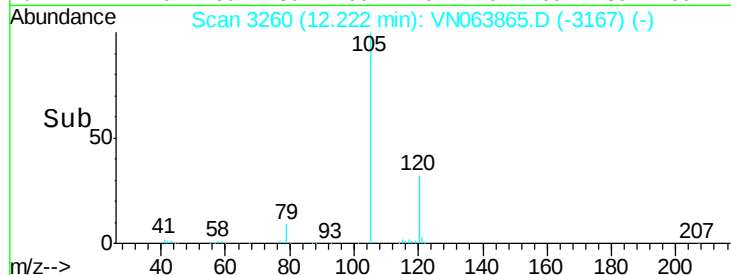
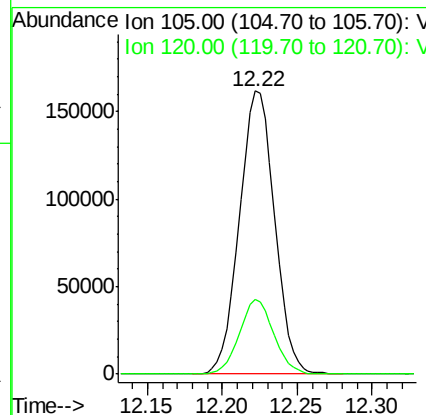
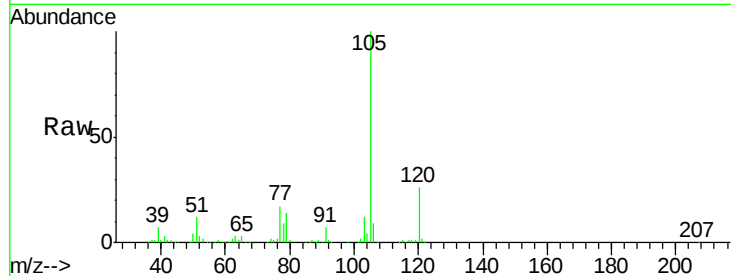
120 25.6 12.6 37.8

Manual Integrations

APPROVED

MMDadoda

10/6/2020 12:56:37 PM



#74

N-ethyl acetate

Concen: 19.036 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Tgt Ion: 43 Resp: 114847

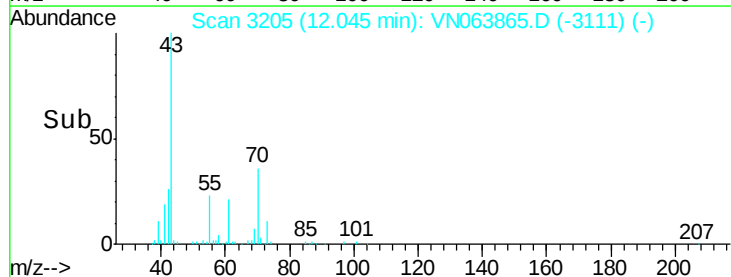
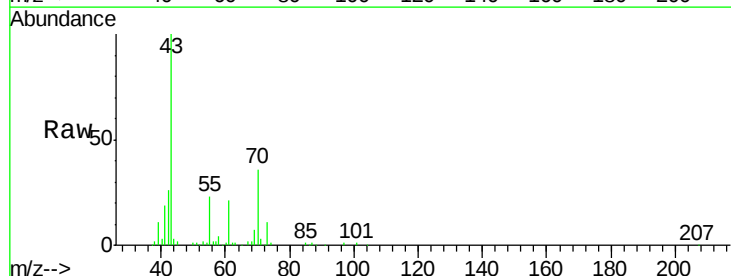
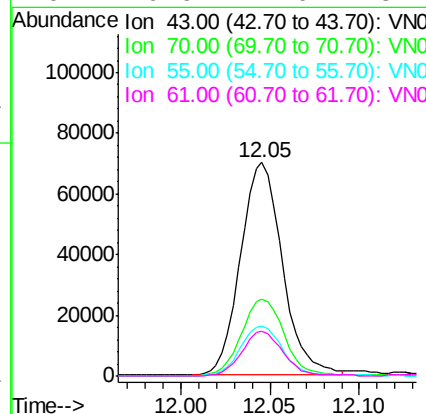
Ion Ratio Lower Upper

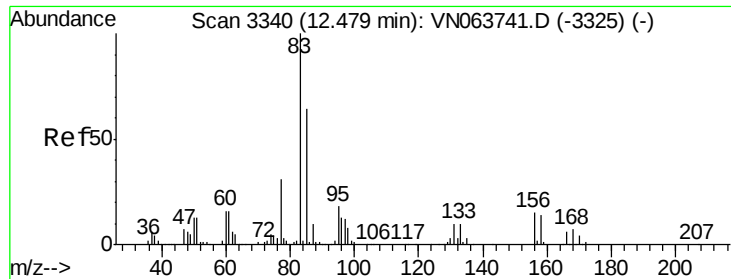
43 100

70 37.0 29.8 44.8

55 24.2 17.9 26.9

61 20.6 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.540 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Instrument :

MSVOA_N

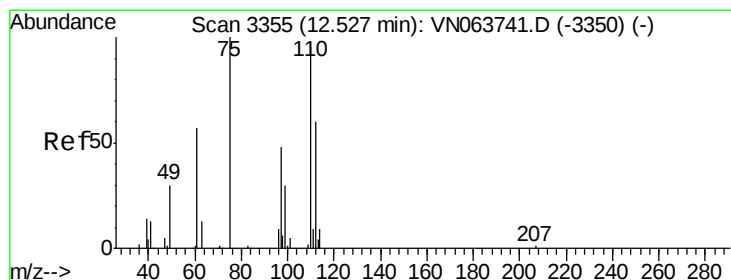
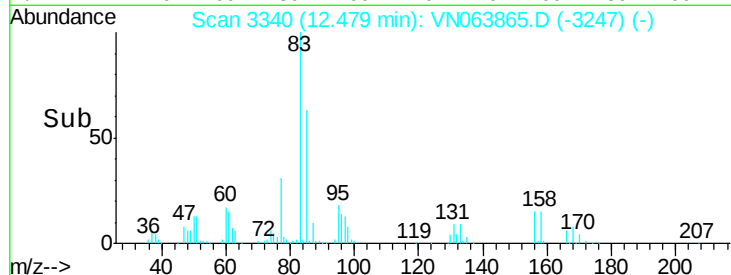
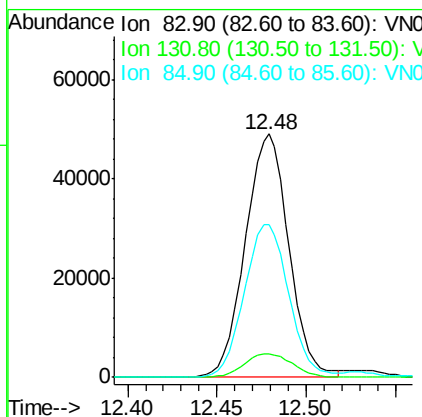
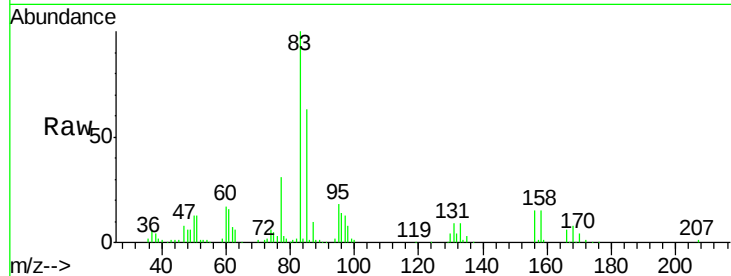
ClientSampleId :

VN1005MBS01

Tot Ion:	83	Resp:	83889
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.8
85	64.1	31.3	93.8

Manual Integrations
APPROVED

MMDadoda
10/6/2020 12:56:37 PM



#76

1,2,3-Trichloropropane

Concen: 19.086 ug/l m

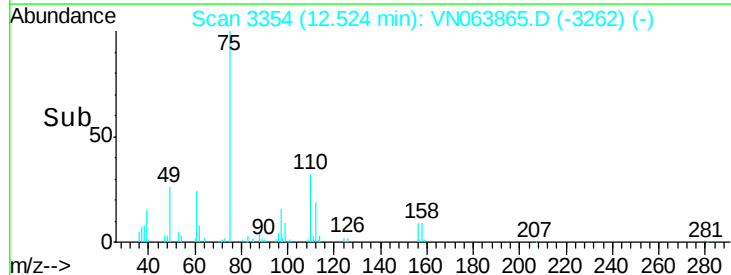
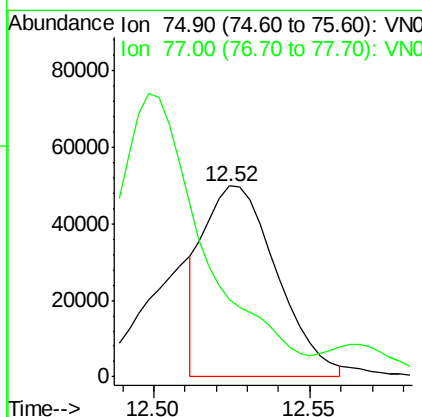
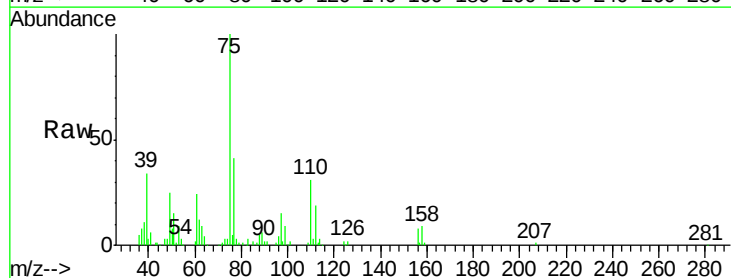
RT: 12.52 min Scan# 3354

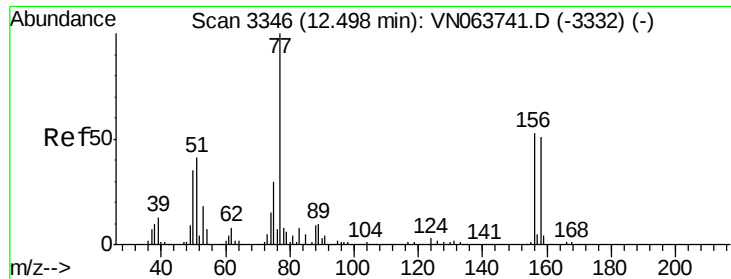
Delta R.T. -0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Tgt Ion:	75	Resp:	80986
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.768 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1005MBS01

Tot Ion:156 Resp: 68102

Ion Ratio Lower Upper

156 100

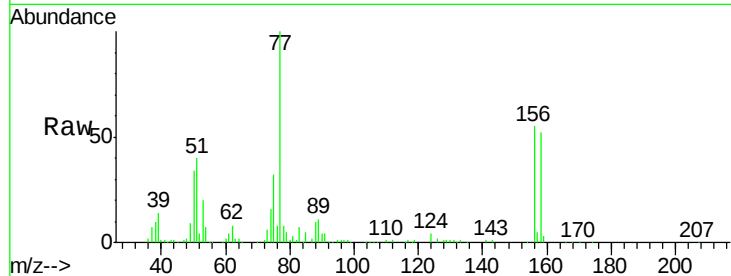
77 221.7 110.9 332.7

158 97.1 47.7 143.1

Manual Integrations
APPROVED

MMDadoda

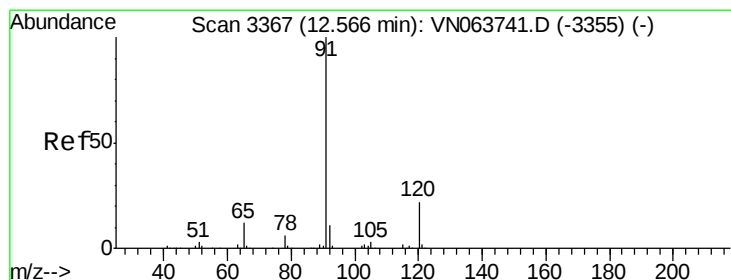
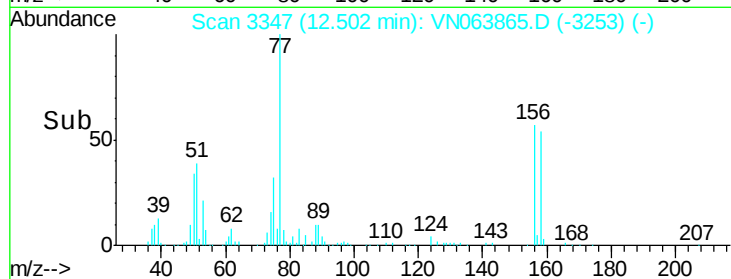
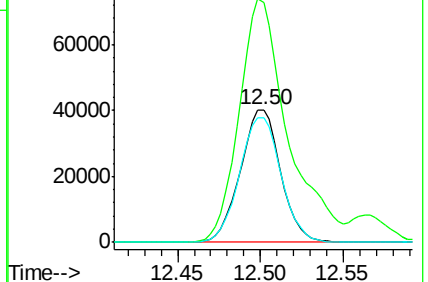
10/6/2020 12:56:37 PM



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: 18.748 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063865.D

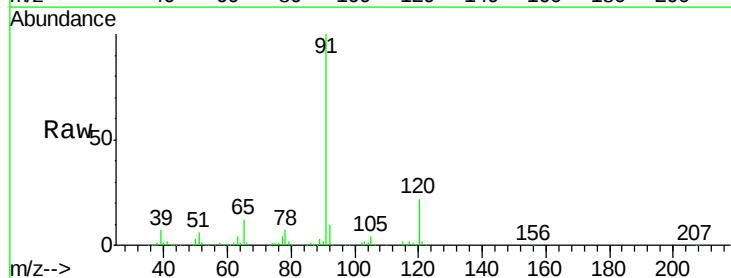
Acq: 5 Oct 2020 12:57

Tgt Ion: 91 Resp: 306335

Ion Ratio Lower Upper

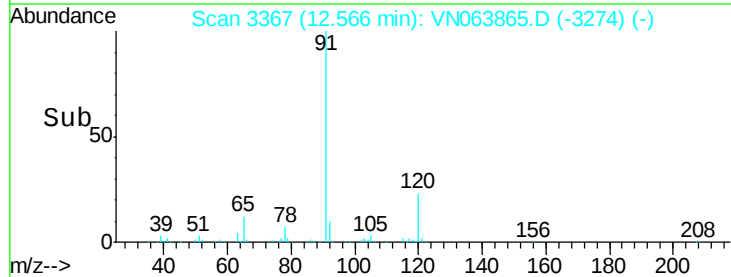
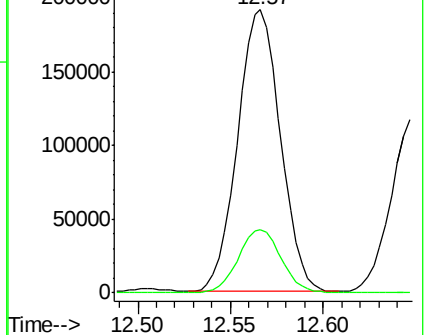
91 100

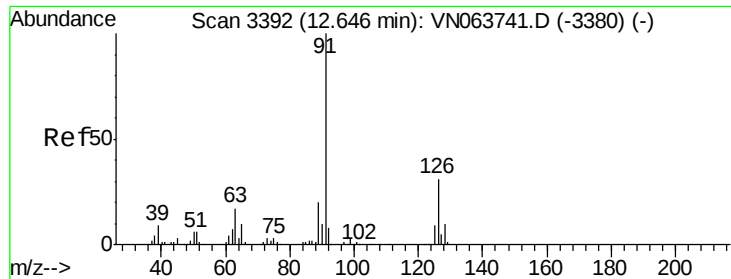
120 22.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.083 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1005MBS01

Tot Ion: 91 Resp: 191767

Ion Ratio Lower Upper

91 100

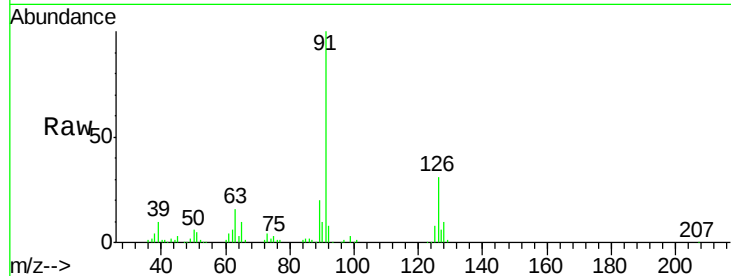
126 31.5 15.9 47.7

Manual Integrations

APPROVED

MMDadoda

10/6/2020 12:56:37 PM



Abundance Ion 91.00 (90.70 to 91.70): VN063741.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063741.D (-3380) (-)

150000

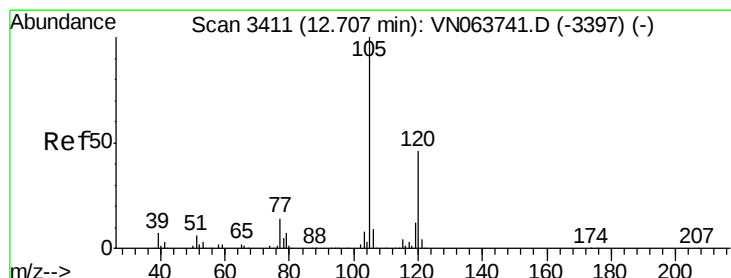
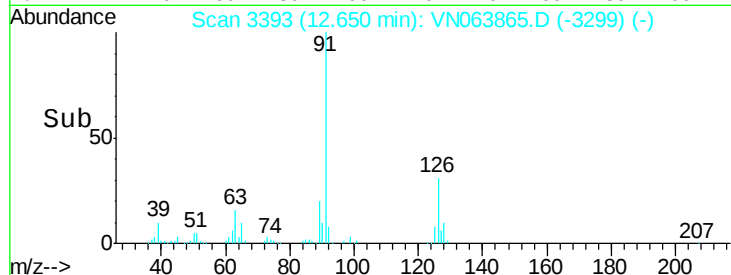
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.491 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063865.D

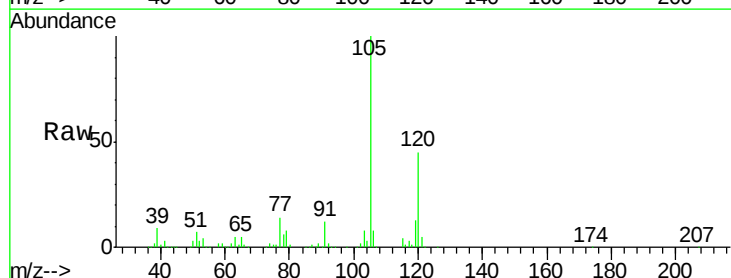
Acq: 5 Oct 2020 12:57

Tgt Ion: 105 Resp: 229574

Ion Ratio Lower Upper

105 100

120 45.1 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063741.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN063741.D (-3397) (-)

150000

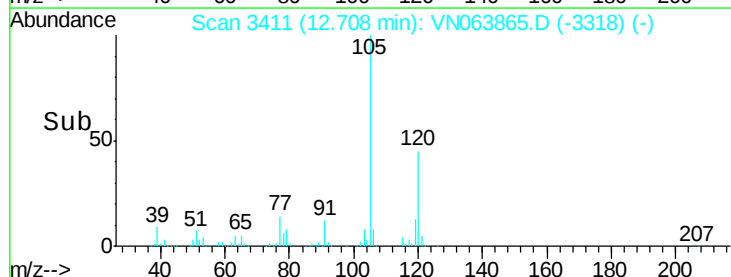
100000

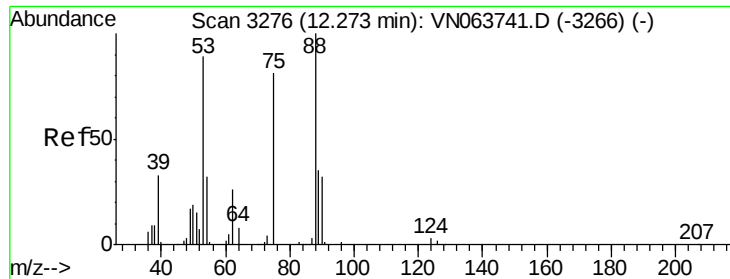
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.892 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Instrument :

MSVOA_N

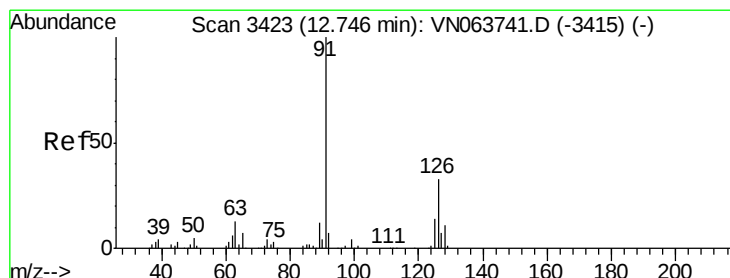
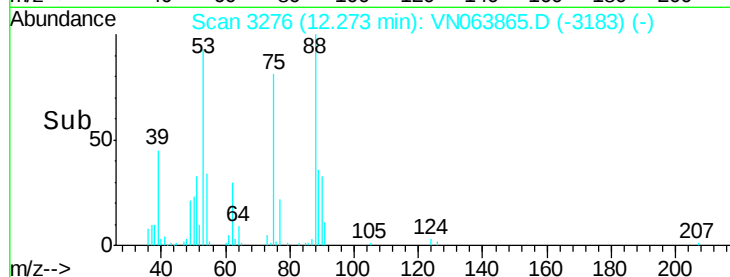
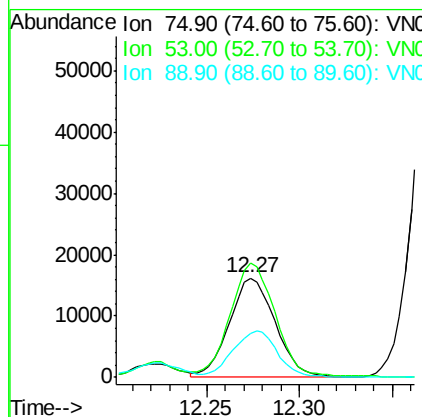
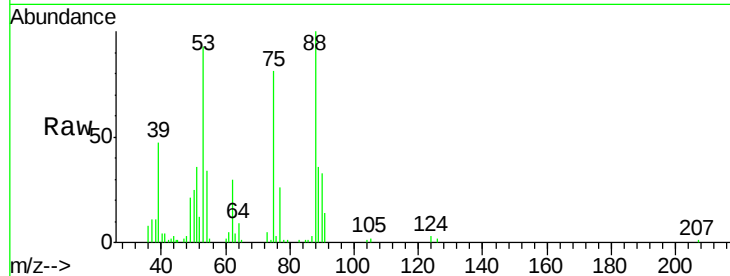
ClientSampled :

VN1005MBS01

Tot Ion:	75	Resp:	27832
Ion	Ratio	Lower	Upper
75	100		
53	111.3	88.2	132.2
89	45.3	36.0	54.0

Manual Integrations
APPROVED

MMDadoda
10/6/2020 12:56:37 PM



#82

4-Chlorotoluene

Concen: 19.179 ug/l

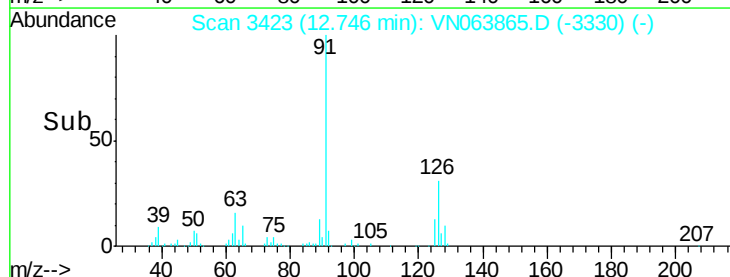
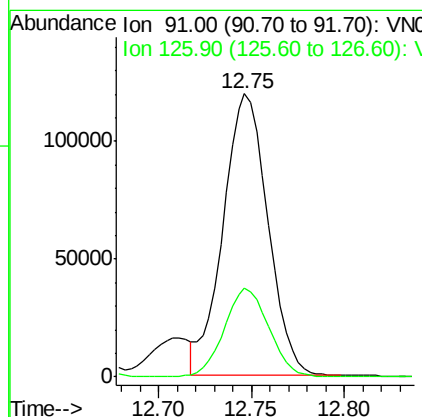
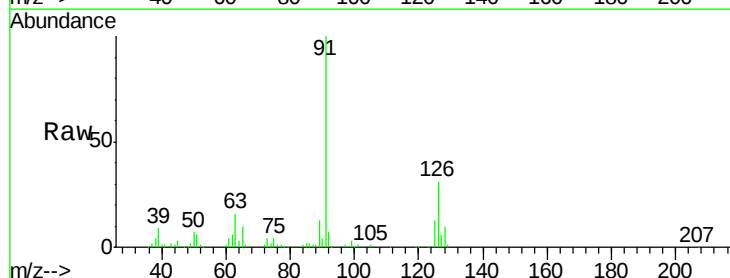
RT: 12.75 min Scan# 3423

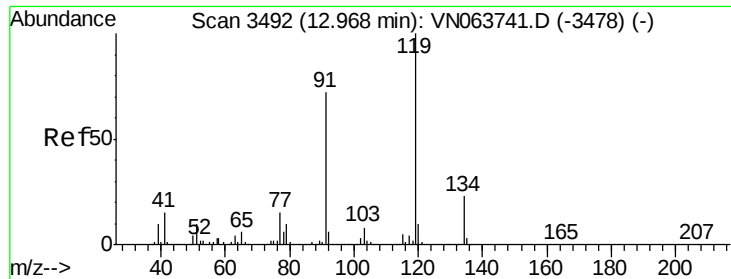
Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Tgt Ion:	91	Resp:	200075
Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.4	46.2





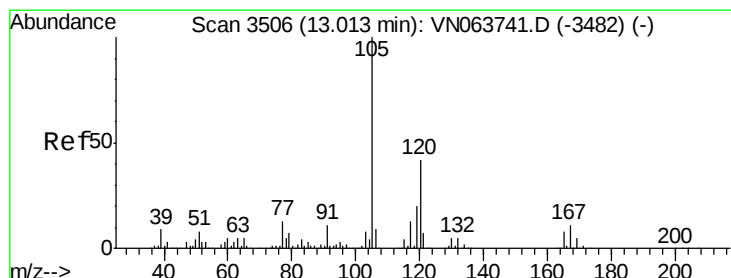
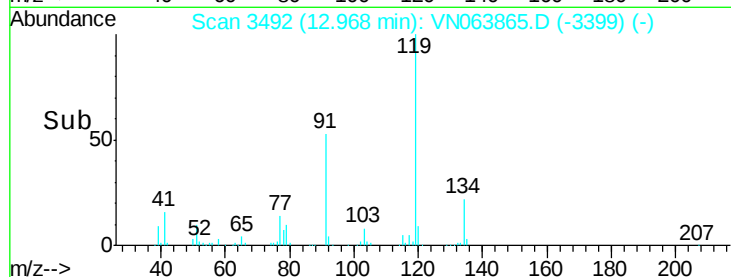
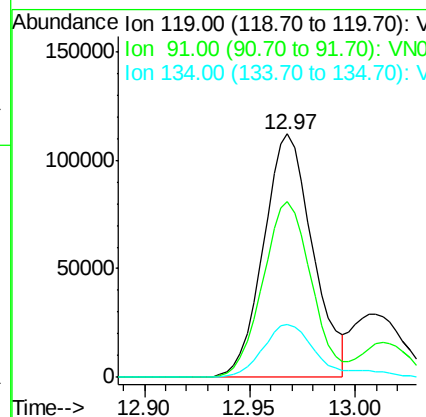
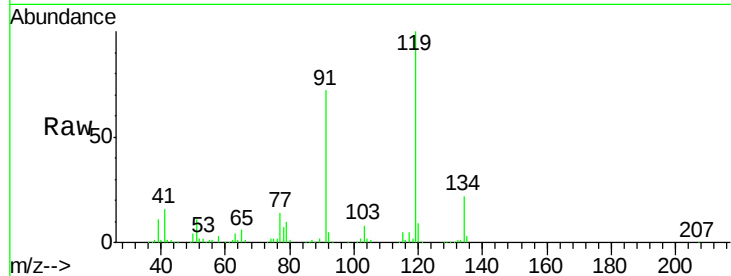
#83
tert-Butylbenzene
Concen: 18.882 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Instrument :
MSVOA_N
ClientSampled :
VN1005MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.7	35.5	106.5
134	24.6	11.7	35.1

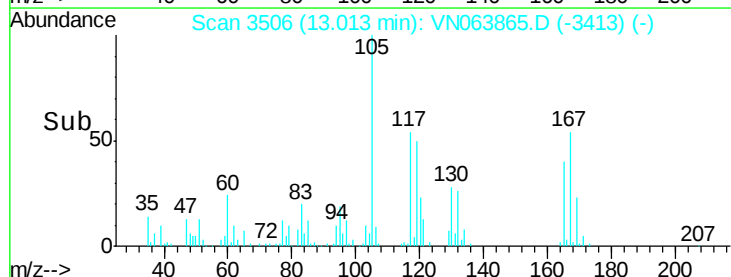
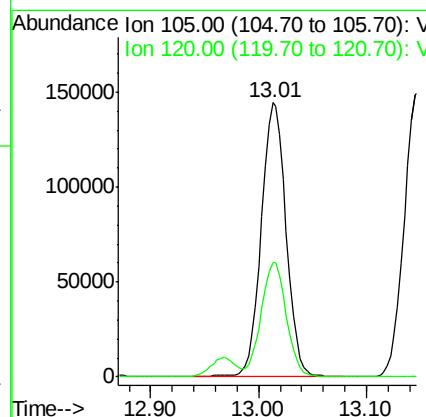
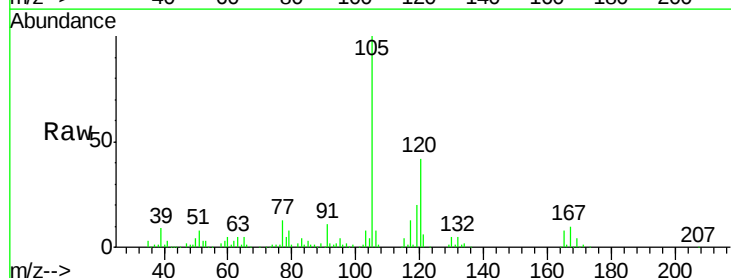
Manual Integrations
APPROVED

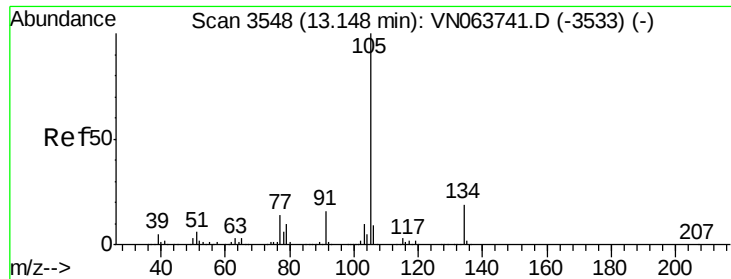
MMDadoda
10/6/2020 12:56:37 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.578 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.5	20.9	62.7





#85

sec-Butylbenzene

Concen: 18.920 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN1005MBS01

Tot Ion:105 Resp: 239433

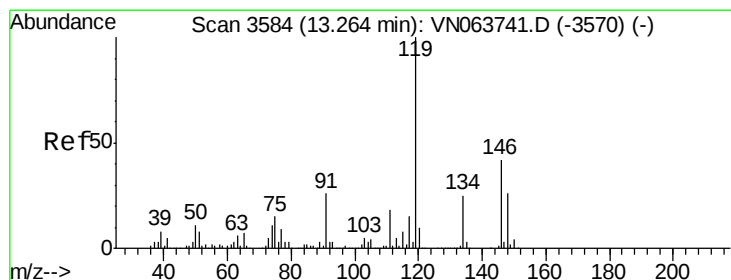
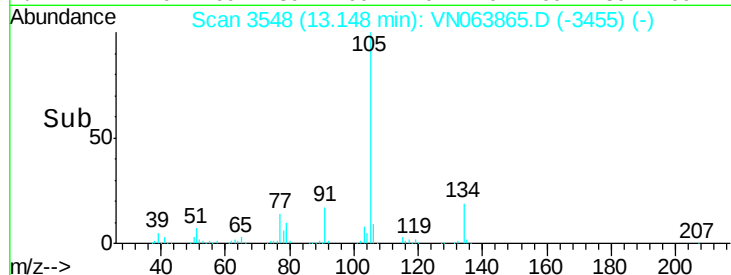
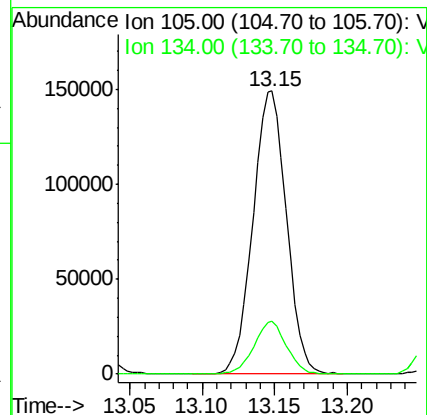
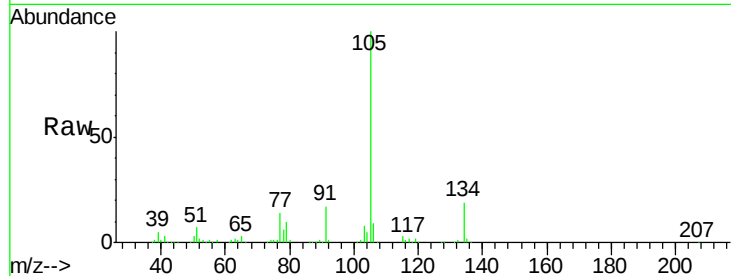
Ion Ratio Lower Upper

105 100

134 18.1 9.5 28.5

Manual Integrations
APPROVED

MMDadoda
10/6/2020 12:56:37 PM



#86

p-Isopropyltoluene

Concen: 19.199 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

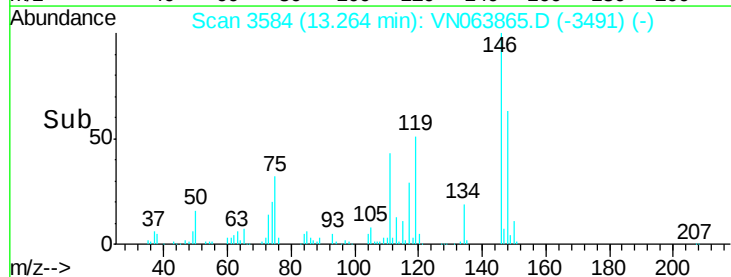
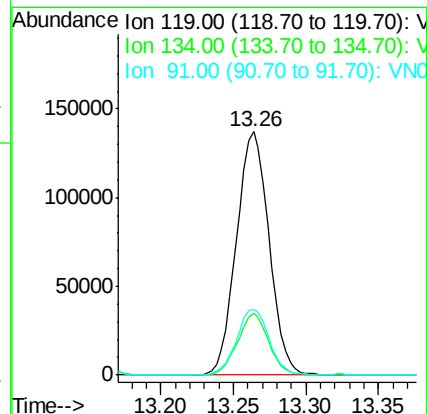
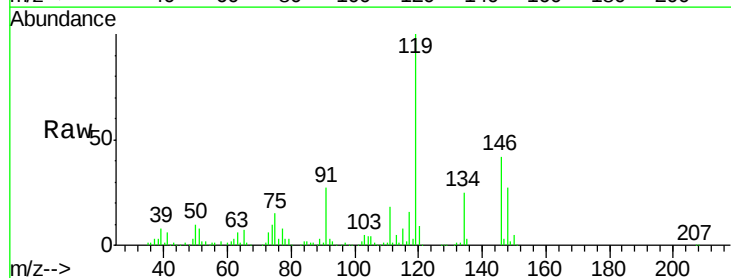
Tgt Ion:119 Resp: 214936

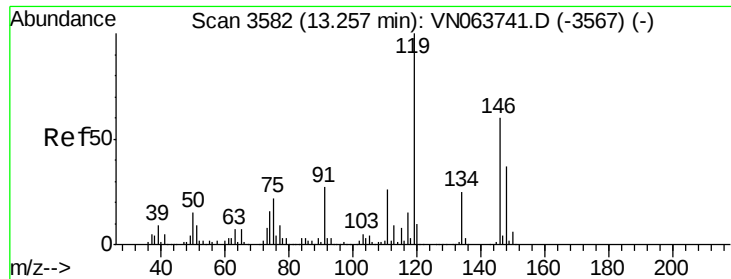
Ion Ratio Lower Upper

119 100

134 24.1 12.6 37.8

91 27.0 13.4 40.2





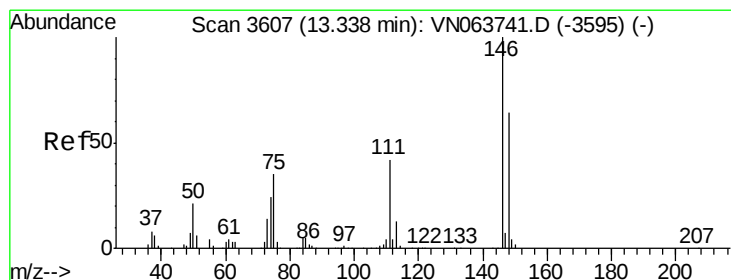
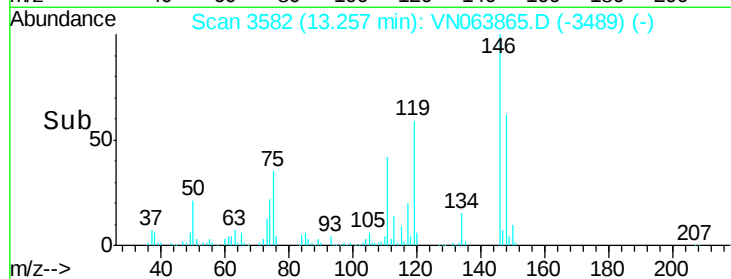
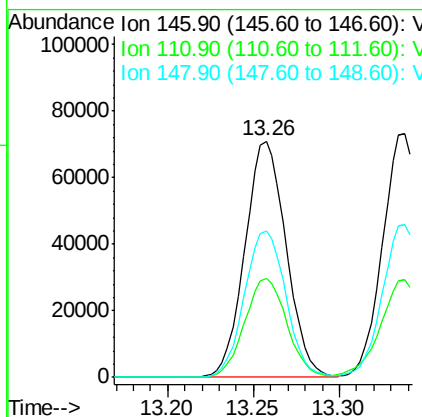
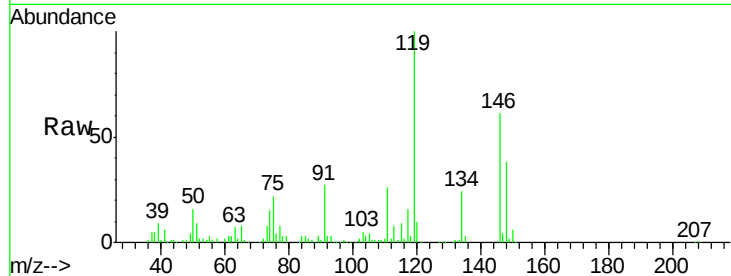
#87
 1,3-Dichlorobenzene
 Concen: 18.929 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	117976		
111	42.7	21.5	64.5	
148	62.3	31.1	93.3	

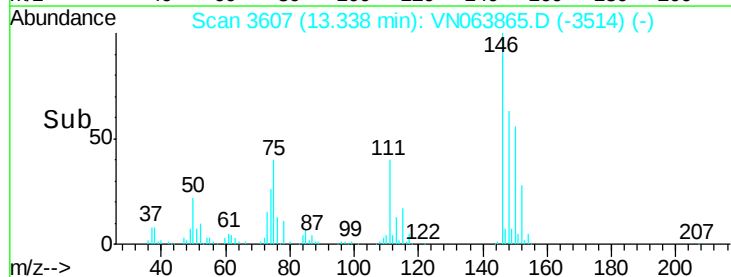
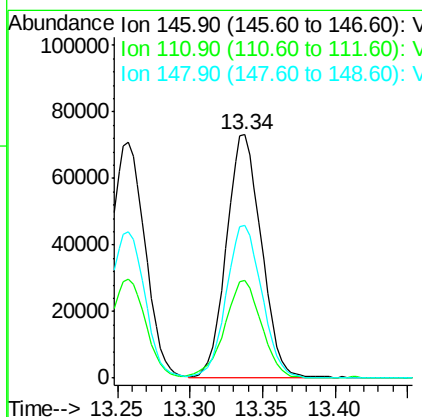
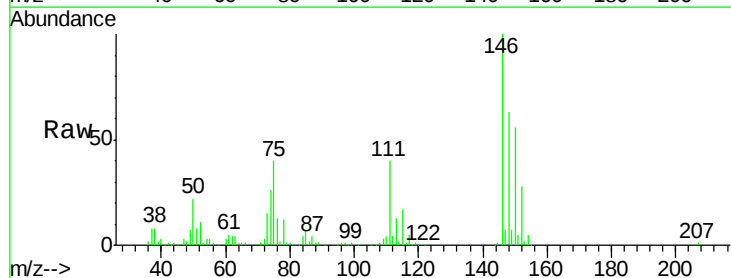
Manual Integrations
 APPROVED

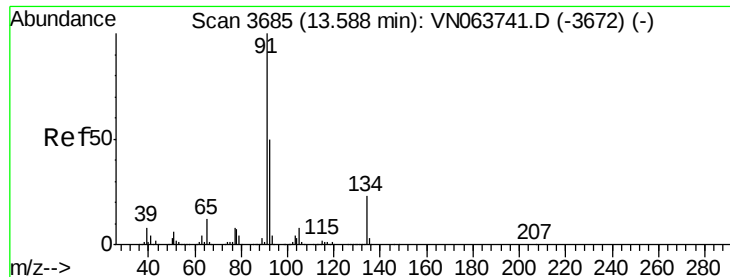
MMDadoda
 10/6/2020 12:56:37 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.752 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	121689		
111	42.9	21.3	63.7	
148	63.6	32.0	96.0	





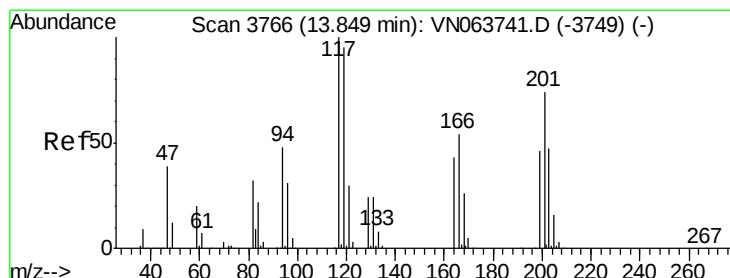
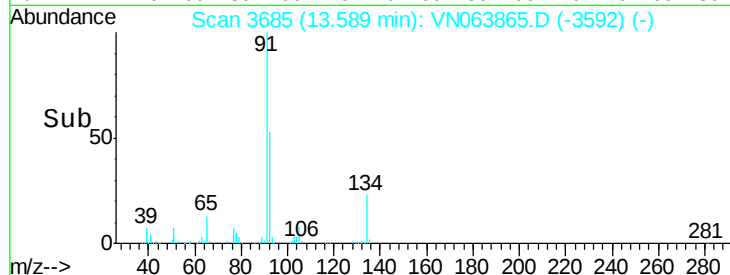
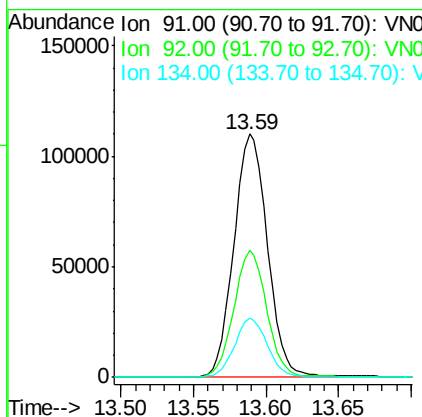
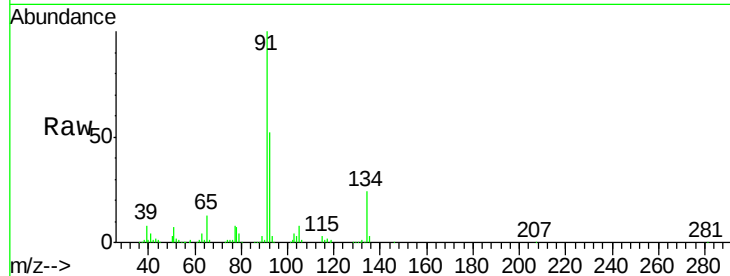
#89
n-Butylbenzene
Concen: 17.185 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN1005MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.4	76.4
134	23.7	11.7	35.1

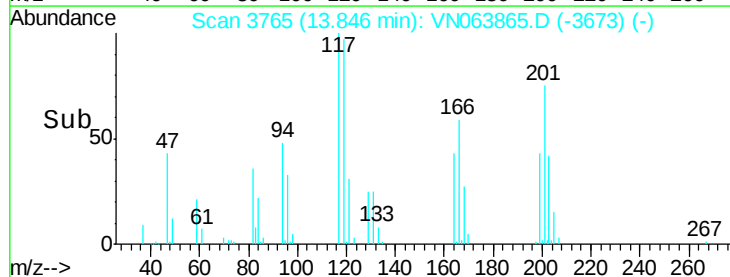
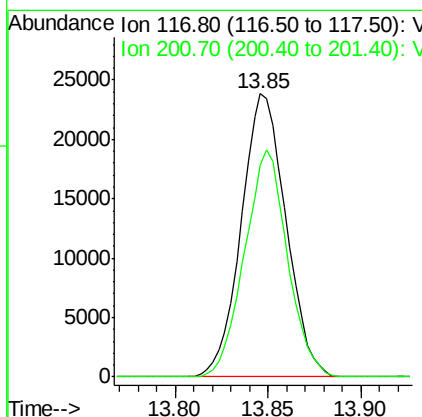
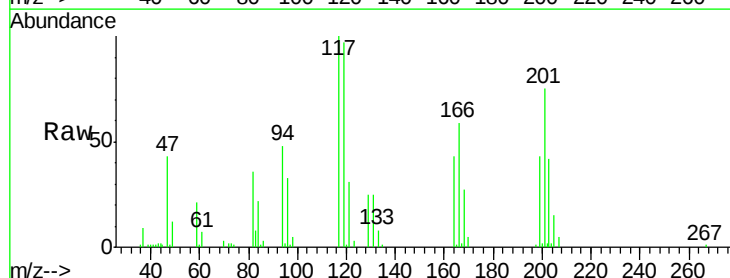
Manual Integrations
APPROVED

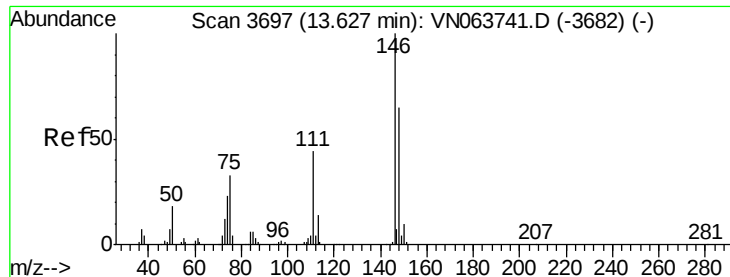
MMDadoda
10/6/2020 12:56:37 PM



#90
Hexachloroethane
Concen: 18.465 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN063865.D
Acq: 5 Oct 2020 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.0	36.0	108.0





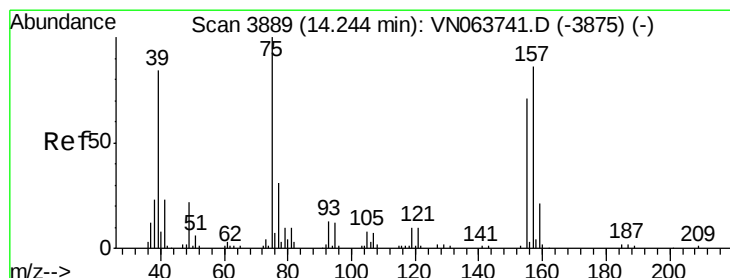
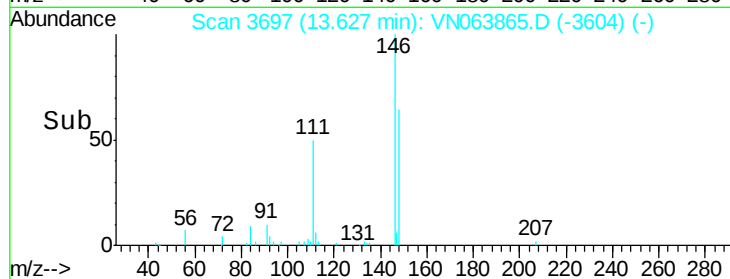
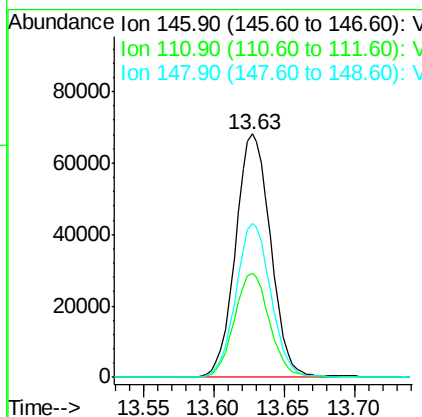
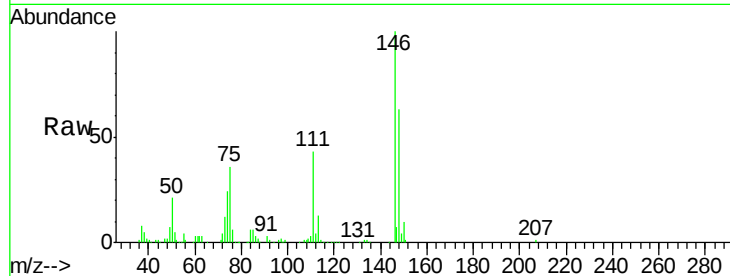
#91
 1,2-Dichlorobenzene
 Concen: 19.256 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN1005MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.2	66.6
148	63.0	32.5	97.4

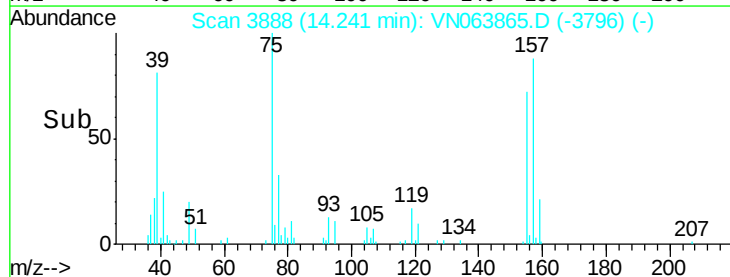
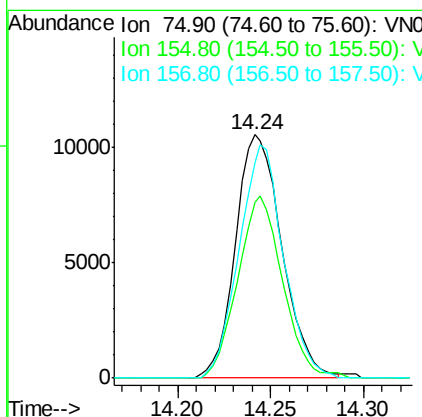
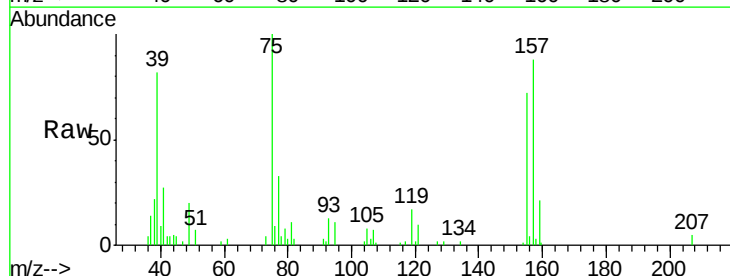
Manual Integrations
 APPROVED

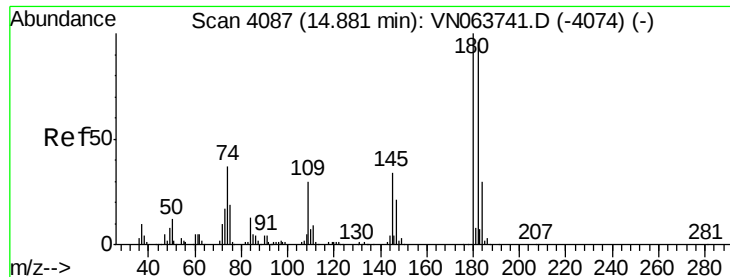
MMDadoda
 10/6/2020 12:56:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.214 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.2	34.8	104.5
157	91.5	43.7	131.1





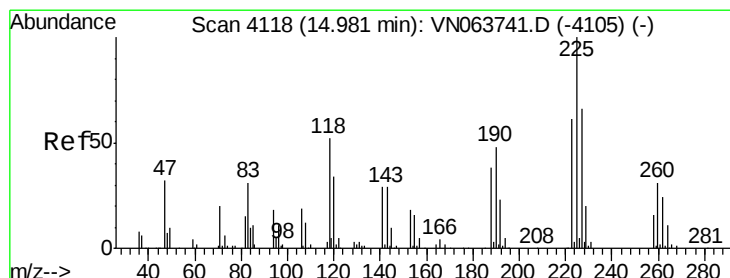
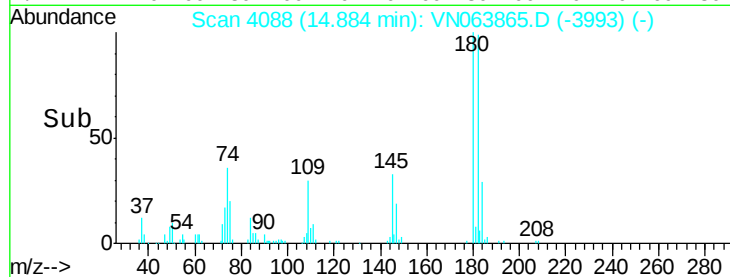
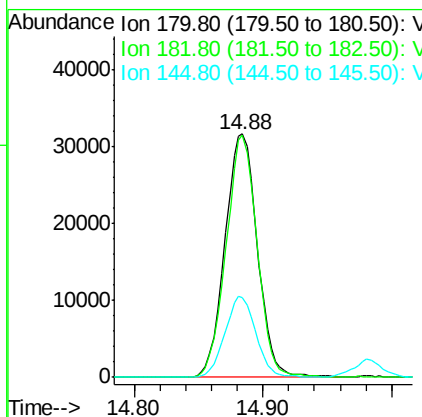
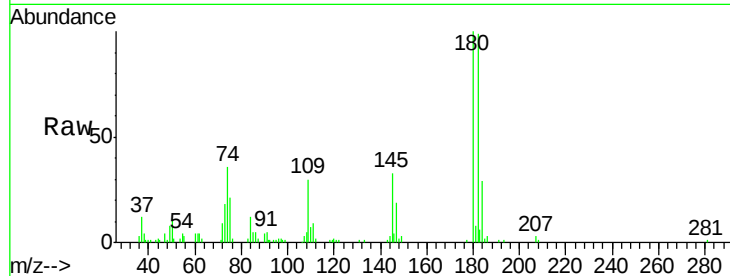
#93
 1,2,4-Trichlorobenzene
 Concen: 17.601 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	55168		
182	95.2	48.2	144.6	
145	31.6	17.1	51.2	

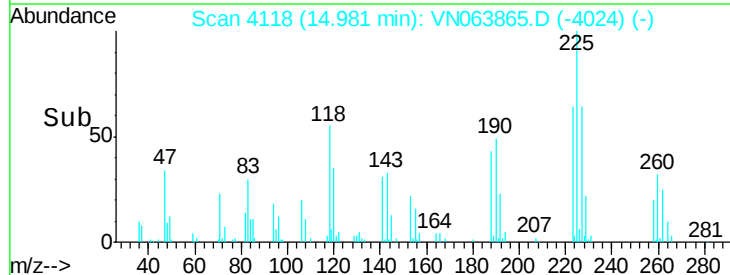
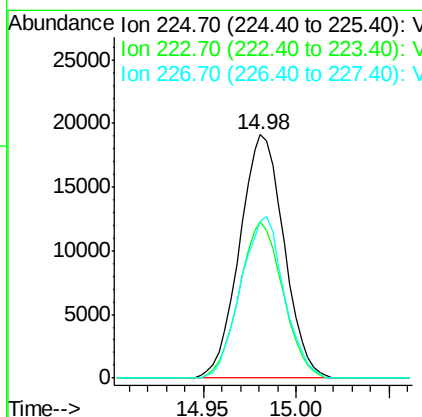
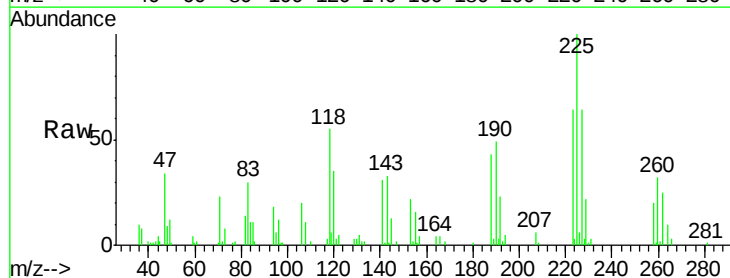
Manual Integrations
 APPROVED

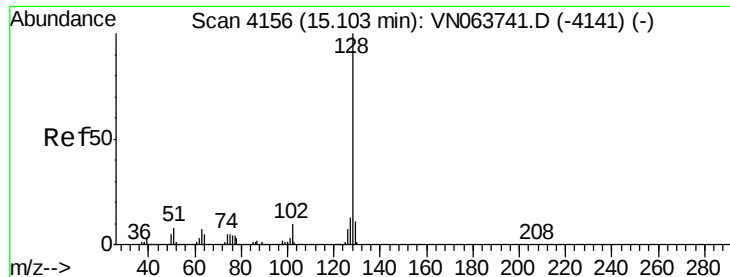
MMDadoda
 10/6/2020 12:56:37 PM



#94
 Hexachlorobutadiene
 Concen: 19.071 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN063865.D
 Acq: 5 Oct 2020 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	31852		
223	63.1	30.3	91.0	
227	64.6	31.9	95.5	





#95

Naphthalene

Concen: 16.803 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Instrument :

MSVOA_N

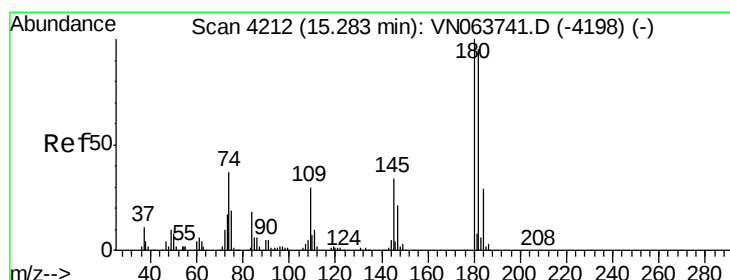
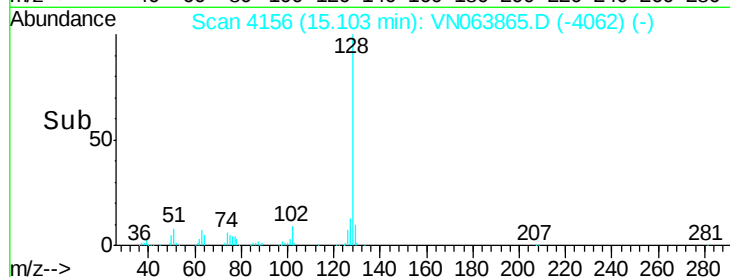
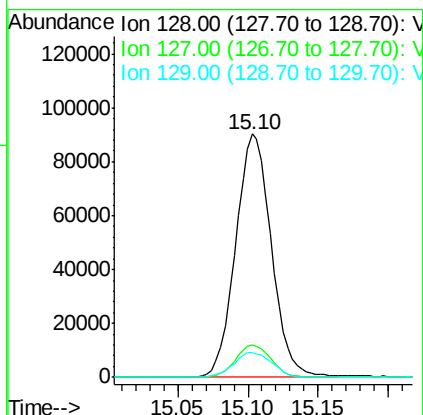
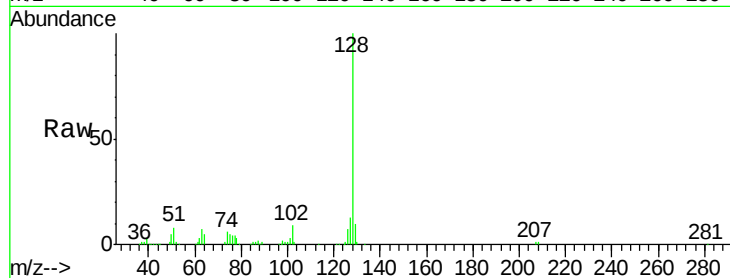
ClientSampleId :

VN1005MBS01

Tot Ion:	128	Resp:	160716
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/6/2020 12:56:37 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.157 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN063865.D

Acq: 5 Oct 2020 12:57

Tgt Ion:	180	Resp:	52397
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.9	143.6
145	35.5	17.2	51.5

