

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091820\
 Data File : VN063448.D
 Acq On : 18 Sep 2020 10:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/21/2020 11:49:38 AM

Quant Time: Sep 21 01:43:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	314108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	527059	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	488705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	241002	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	229769	42.97	ug/l	0.00
Spiked Amount			Recovery	=	85.94%	
35) Dibromofluoromethane	7.54	113	165159	45.26	ug/l	0.00
Spiked Amount			Recovery	=	90.52%	
50) Toluene-d8	10.06	98	644226	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
62) 4-Bromofluorobenzene	12.38	95	246047	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	159309	44.768	ug/l	99
3) Chloromethane	2.04	50	192539	40.900	ug/l	98
4) Vinyl Chloride	2.16	62	192164	46.073	ug/l	100
5) Bromomethane	2.53	94	118456	47.834	ug/l	97
6) Chloroethane	2.67	64	110724	43.247	ug/l	100
7) Trichlorofluoromethane	2.99	101	296035	47.572	ug/l	97
8) Diethyl Ether	3.37	74	110092	45.383	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	163597	46.747	ug/l	100
10) Methyl Iodide	3.91	142	209670	46.018	ug/l	99
11) Tert butyl alcohol	4.72	59	139057	187.727	ug/l #	88
12) 1,1-Dichloroethene	3.70	96	157064	44.310	ug/l	99
13) Acrolein	3.57	56	67549	246.073	ug/l	96
14) Allyl chloride	4.28	41	311889	44.483	ug/l	99
15) Acrylonitrile	4.92	53	403726	214.269	ug/l	100
16) Acetone	3.77	43	344379	200.405	ug/l	98
17) Carbon Disulfide	4.01	76	439175	42.595	ug/l	100
18) Methyl Acetate	4.27	43	186727	42.803	ug/l	99
19) Methyl tert-butyl Ether	4.98	73	580383	43.931	ug/l	99
20) Methylene Chloride	4.51	84	189099	43.433	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	171658	43.710	ug/l	95
22) Diisopropyl ether	5.90	45	624643	43.682	ug/l	99
23) Vinyl Acetate	5.84	43	2618518	222.969	ug/l	99
24) 1,1-Dichloroethane	5.79	63	343165	43.956	ug/l	100
25) 2-Butanone	6.78	43	549090	207.761	ug/l	98
26) 2,2-Dichloropropane	6.77	77	304644	44.321	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	201116	45.244	ug/l	99
28) Bromochloromethane	7.14	49	168318	46.694	ug/l	98
29) Tetrahydrofuran	7.16	42	367087	203.368	ug/l	99
30) Chloroform	7.33	83	351791	44.913	ug/l	99
31) Cyclohexane	7.61	56	306980	41.570	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	312385	44.840	ug/l	99
36) 1,1-Dichloropropene	7.75	75	259193	46.160	ug/l	100
37) Ethyl Acetate	6.88	43	240502	43.641	ug/l	99
38) Carbon Tetrachloride	7.73	117	271130	47.302	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091820\
 Data File : VN063448.D
 Acq On : 18 Sep 2020 10:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/21/2020 11:49:38 AM

Quant Time: Sep 21 01:43:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	285707	46.882	ug/l	98
40) Benzene	8.00	78	740747	46.213	ug/l	98
41) Methacrylonitrile	7.13	41	122464m	49.408	ug/l	
42) 1,2-Dichloroethane	8.08	62	305050	47.324	ug/l	99
43) Isopropyl Acetate	8.12	43	428036	43.437	ug/l	99
44) Trichloroethene	8.80	130	186413	47.949	ug/l	100
45) 1,2-Dichloropropane	9.08	63	201048	46.053	ug/l	99
46) Dibromomethane	9.17	93	133911	46.670	ug/l	99
47) Bromodichloromethane	9.37	83	282193	47.340	ug/l	98
48) Methyl methacrylate	9.16	41	210593	43.498	ug/l	97
49) 1,4-Dioxane	9.16	88	57259	824.142	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	1235224	223.907	ug/l	100
52) Toluene	10.12	92	468113	48.574	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	316476	47.557	ug/l	98
54) cis-1,3-Dichloropropene	9.80	75	331032	47.160	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	180953	47.272	ug/l	97
56) Ethyl methacrylate	10.40	69	281015	47.025	ug/l	99
57) 1,3-Dichloropropane	10.68	76	319201	46.241	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	727346	232.023	ug/l	98
59) 2-Hexanone	10.72	43	909349	227.525	ug/l	99
60) Dibromochloromethane	10.87	129	206804	47.821	ug/l	98
61) 1,2-Dibromoethane	10.98	107	189436	47.634	ug/l	98
64) Tetrachloroethene	10.60	164	168950	50.770	ug/l	95
65) Chlorobenzene	11.41	112	494020	47.622	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	184966	48.641	ug/l	99
67) Ethyl Benzene	11.48	91	932895	47.753	ug/l	98
68) m/p-Xylenes	11.59	106	695432	98.731	ug/l	97
69) o-Xylene	11.92	106	329586	49.120	ug/l	99
70) Styrene	11.94	104	563217	50.054	ug/l	99
71) Bromoform	12.10	173	135594	47.864	ug/l #	100
73) Isopropylbenzene	12.22	105	903724	46.795	ug/l	100
74) N-amyl acetate	12.04	43	397950	43.530	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	254063	42.487	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	273620m	45.870	ug/l	
77) Bromobenzene	12.50	156	208157	47.916	ug/l	94
78) n-propylbenzene	12.57	91	1063536	47.282	ug/l	100
79) 2-Chlorotoluene	12.65	91	633225	46.962	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	760816	47.243	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	94198	43.294	ug/l	100
82) 4-Chlorotoluene	12.75	91	672935	47.234	ug/l	99
83) tert-Butylbenzene	12.97	119	617709	46.474	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	765347	47.050	ug/l	99
85) sec-Butylbenzene	13.15	105	840387	47.236	ug/l	100
86) p-Isopropyltoluene	13.26	119	755466	48.142	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	381527	47.384	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	386191	47.175	ug/l	99
89) n-Butylbenzene	13.59	91	704885	48.733	ug/l	99
90) Hexachloroethane	13.85	117	134930	45.156	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	370704	46.894	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	58154	40.840	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091820\
Data File : VN063448.D
Acq On : 18 Sep 2020 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
9/21/2020 11:49:38 AM

Quant Time: Sep 21 01:43:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	220575	47.330	ug/l	99
94) Hexachlorobutadiene	14.98	225	97389	50.478	ug/l	99
95) Naphthalene	15.10	128	691337	44.901	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	201013	44.640	ug/l	97

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

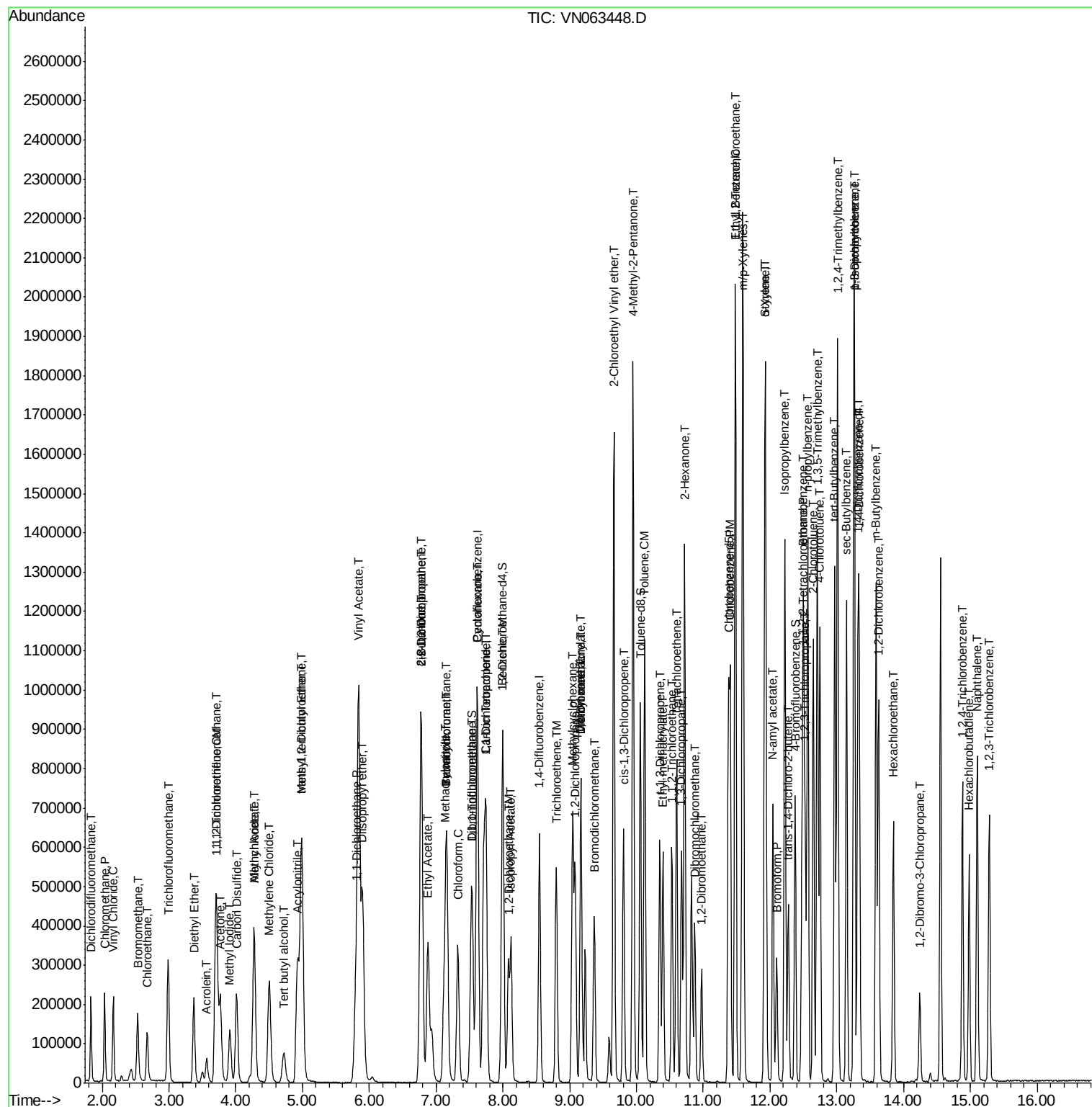
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091820\
Data File : VN063448.D
Acq On : 18 Sep 2020 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

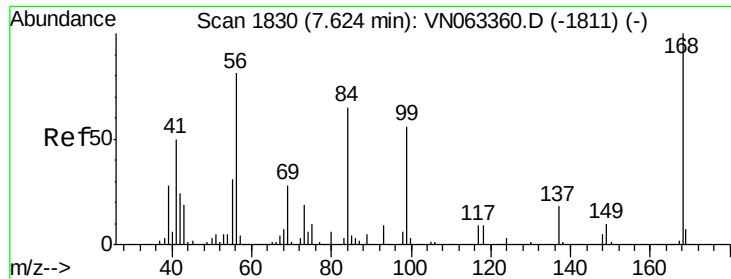
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
9/21/2020 11:49:38 AM

Quant Time: Sep 21 01:43:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 314108

Ion Ratio Lower Upper

168 100

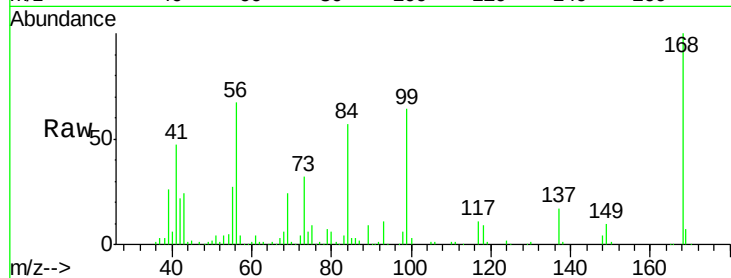
99 63.6 53.0 79.6

Manual Integrations

APPROVED

MMDadoda

9/21/2020 11:49:38 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

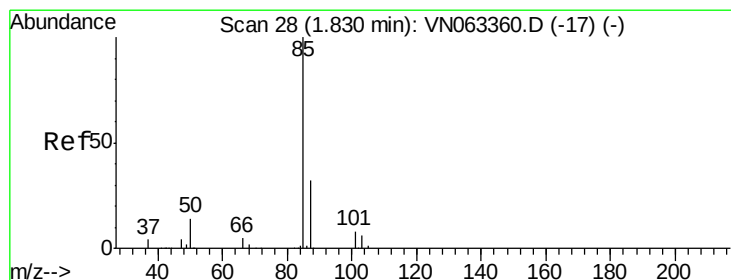
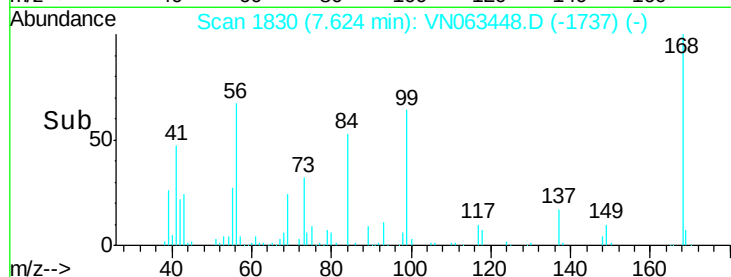
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.768 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063448.D

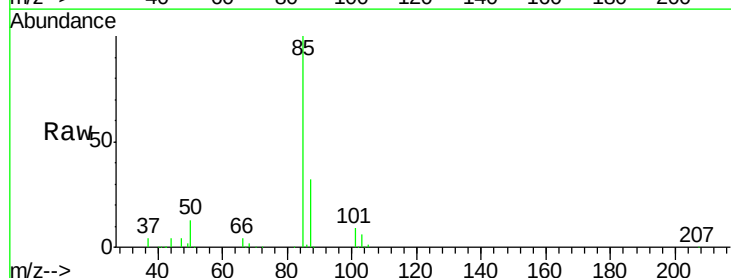
Acq: 18 Sep 2020 10:32

Tgt Ion: 85 Resp: 159309

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

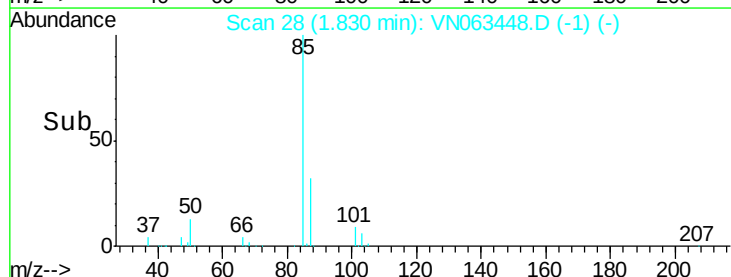
1.83

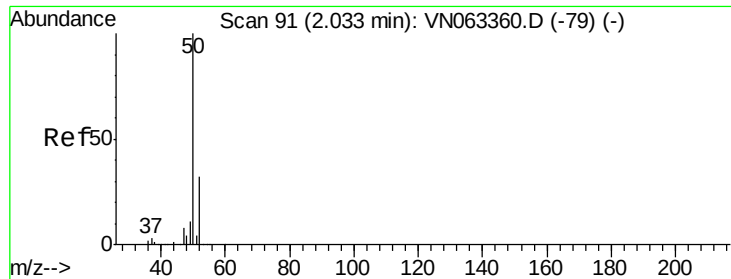
100000

50000

0

Time-->





#3

Chloromethane

Concen: 40.900 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 192539

Ion Ratio Lower Upper

50 100

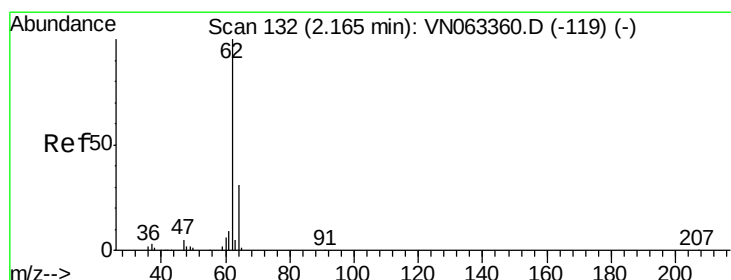
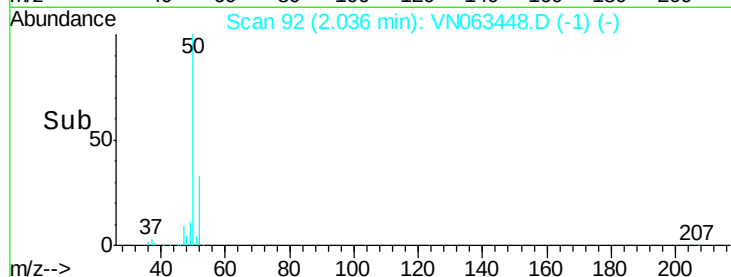
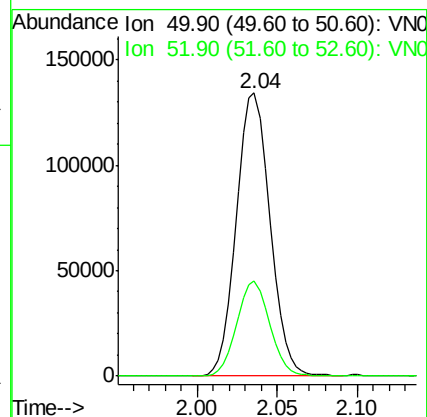
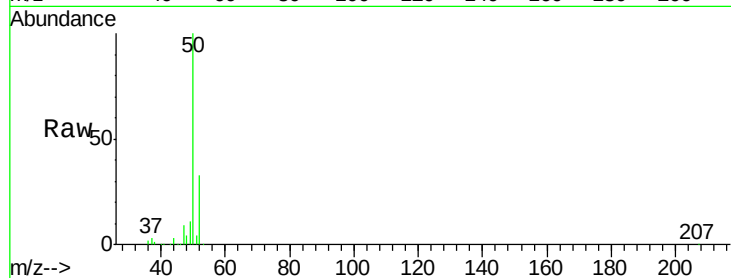
52 33.4 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

9/21/2020 11:49:38 AM



#4

Vinyl Chloride

Concen: 46.073 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063448.D

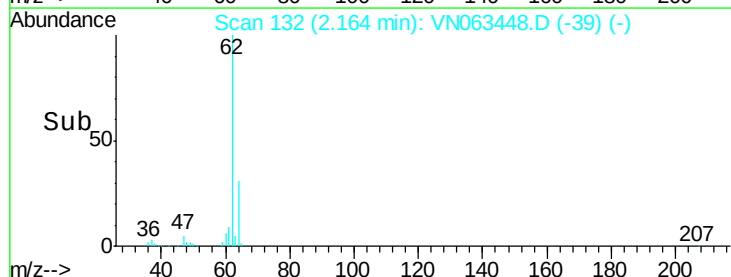
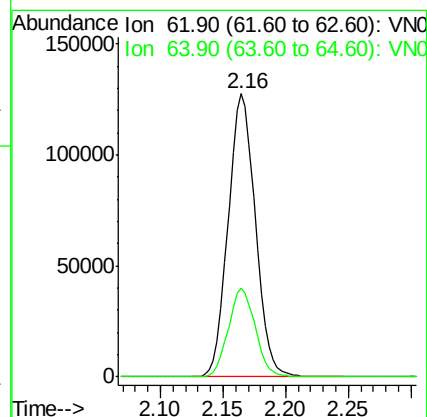
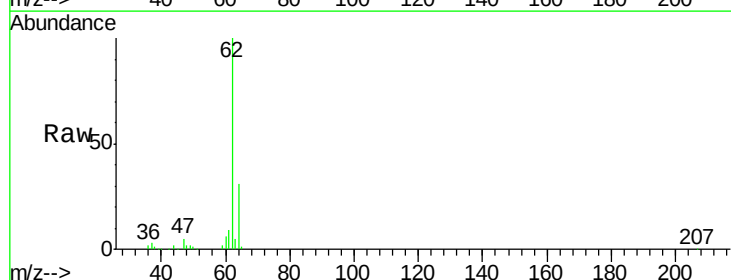
Acq: 18 Sep 2020 10:32

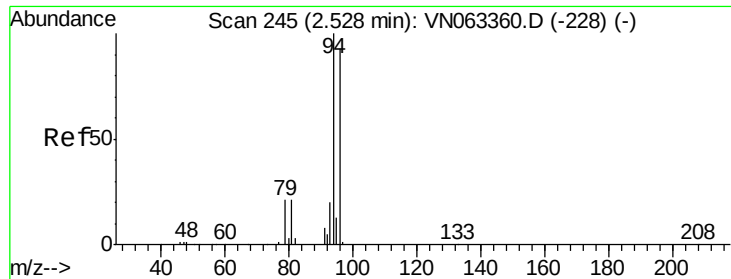
Tgt Ion: 62 Resp: 192164

Ion Ratio Lower Upper

62 100

64 31.2 25.1 37.7





#5

Bromomethane

Concen: 47.834 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 118456

Ion Ratio Lower Upper

94 100

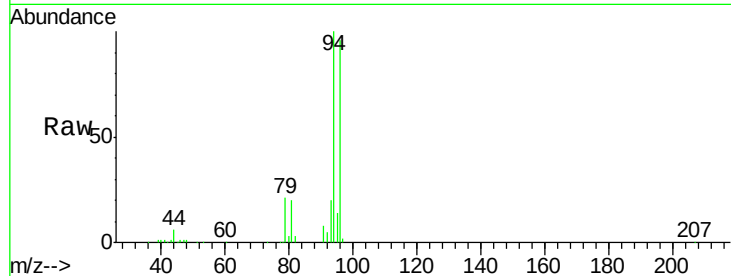
96 95.9 74.5 111.7

Manual Integrations

APPROVED

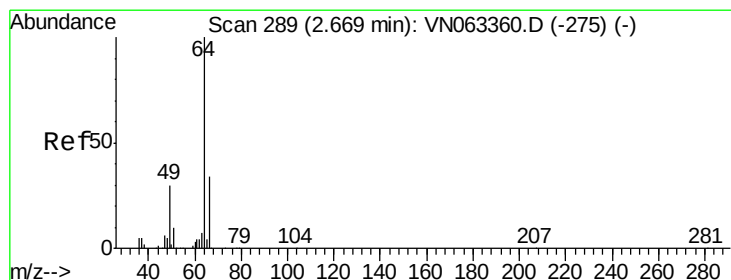
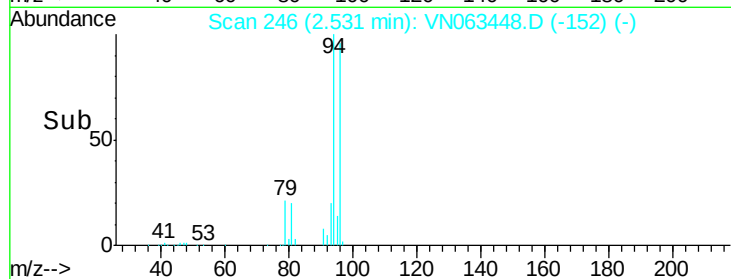
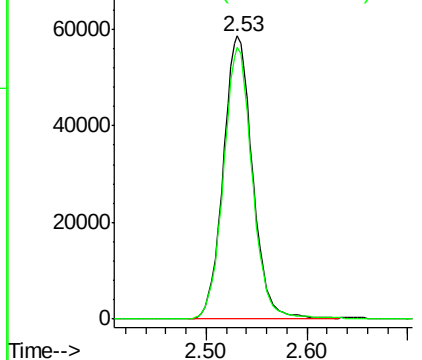
MMDadoda

9/21/2020 11:49:38 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 43.247 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063448.D

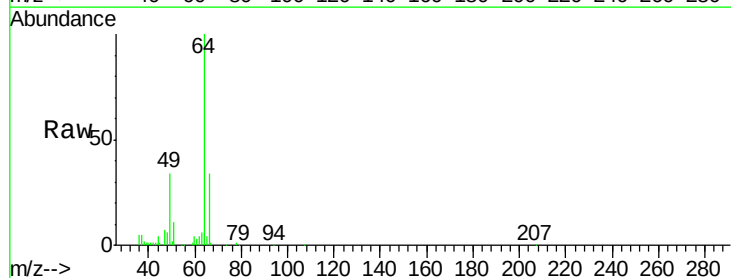
Acq: 18 Sep 2020 10:32

Tgt Ion: 64 Resp: 110724

Ion Ratio Lower Upper

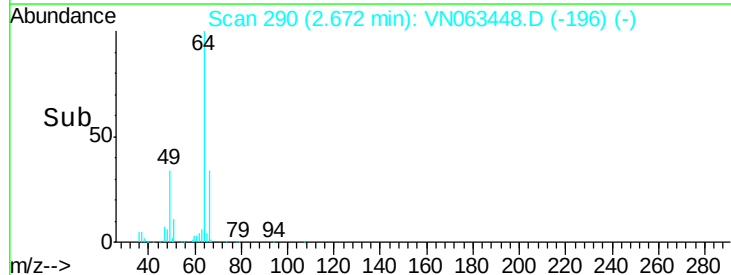
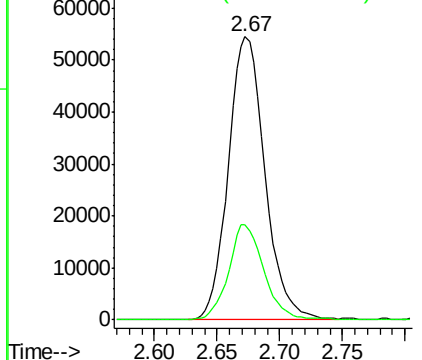
64 100

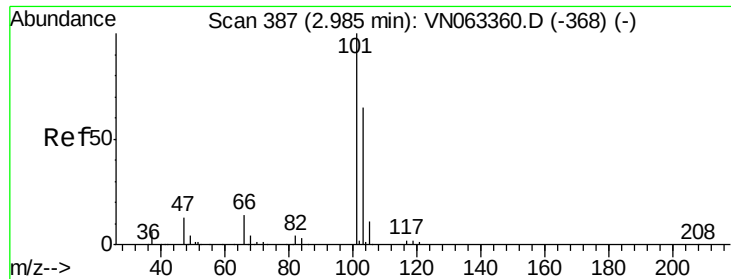
66 33.6 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

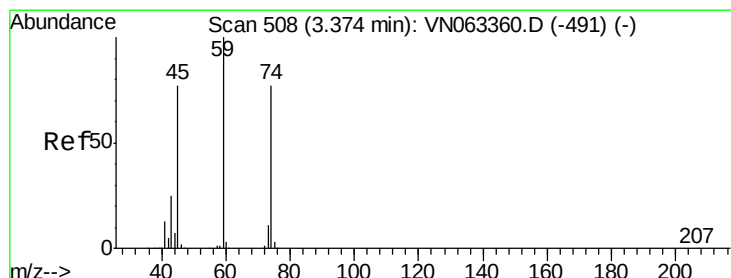
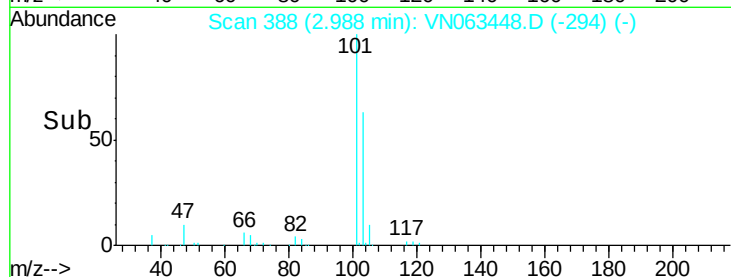
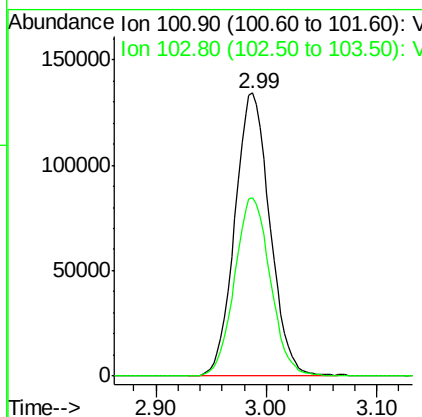
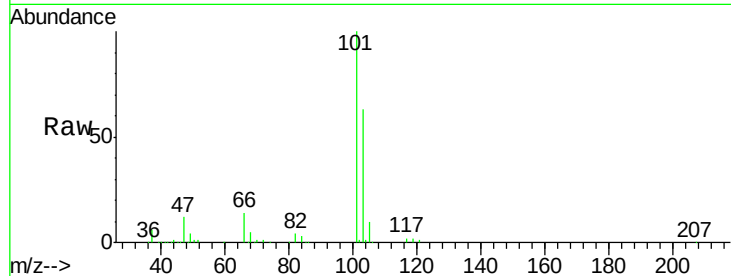
Trichlorofluoromethane
 Concen: 47.572 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063448.D
 Acq: 18 Sep 2020 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	296035		
103	62.9	52.3	78.5	

Manual Integrations
 APPROVED

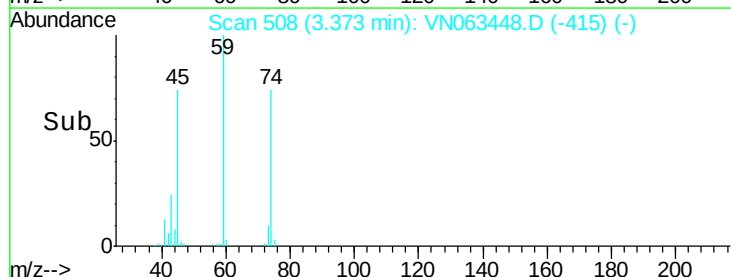
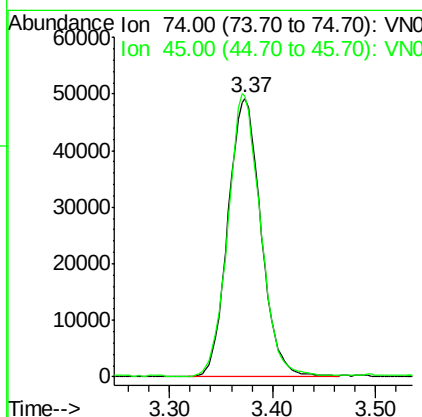
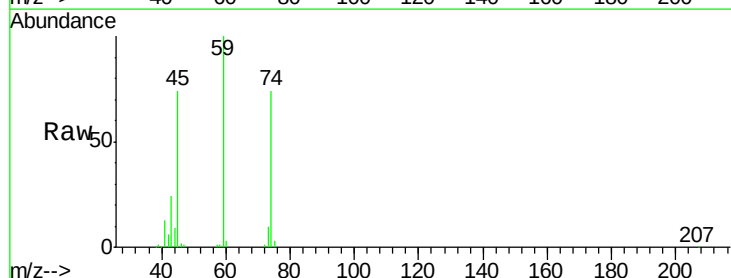
MMDadoda
 9/21/2020 11:49:38 AM

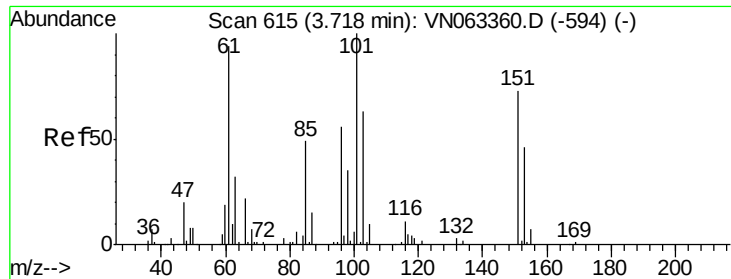


#8

Diethyl Ether
 Concen: 45.383 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063448.D
 Acq: 18 Sep 2020 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	110092		
45	100.4	52.1	156.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.747 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

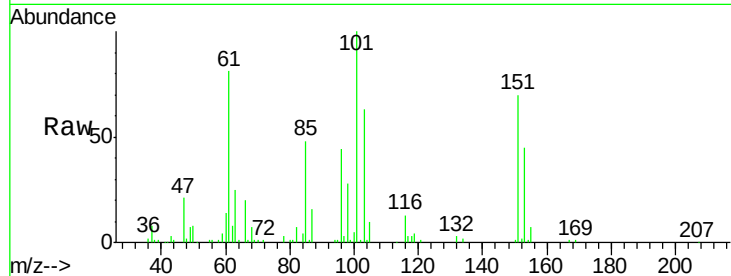
ClientSampled :

VSTDCCC050

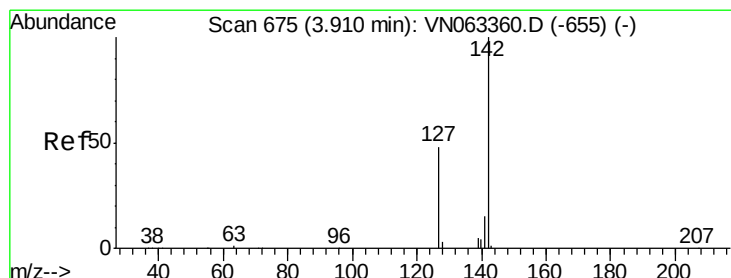
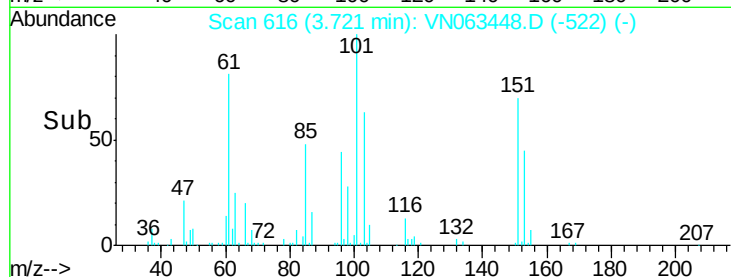
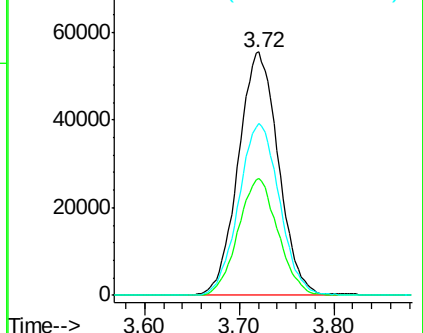
Tot Ion:	101	Resp:	163597
Ion Ratio	Lower	Upper	
101	100		
85	47.5	37.7	56.5
151	71.7	57.7	86.5

Manual Integrations
APPROVED

MMDadoda
9/21/2020 11:49:38 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.018 ug/l

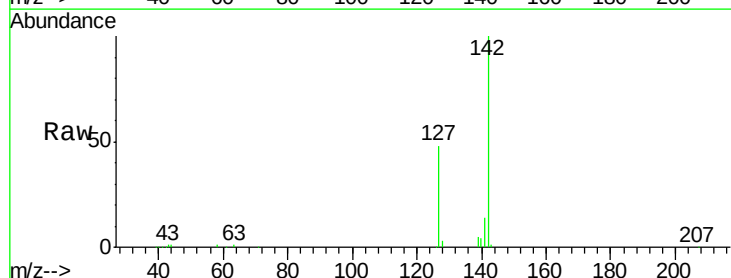
RT: 3.91 min Scan# 675

Delta R.T. -0.00 min

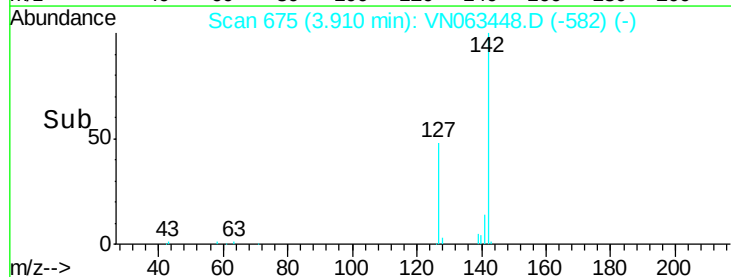
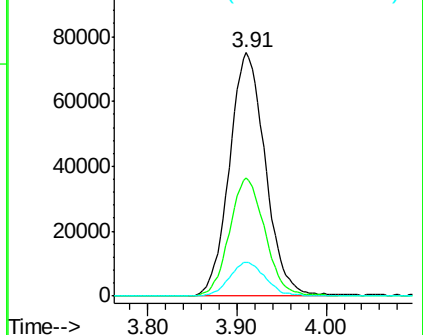
Lab File: VN063448.D

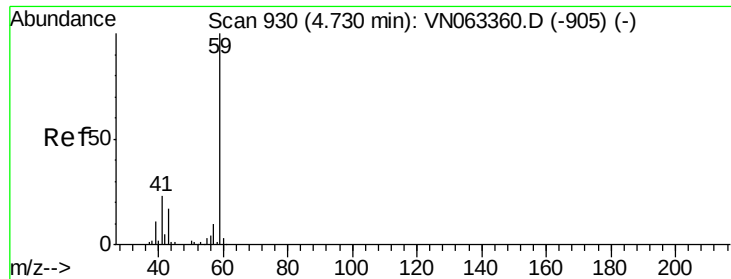
Acq: 18 Sep 2020 10:32

Tgt Ion:	142	Resp:	209670
Ion Ratio	Lower	Upper	
142	100		
127	47.9	39.0	58.6
141	13.9	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





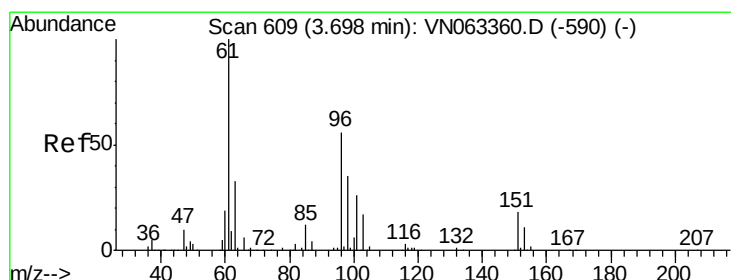
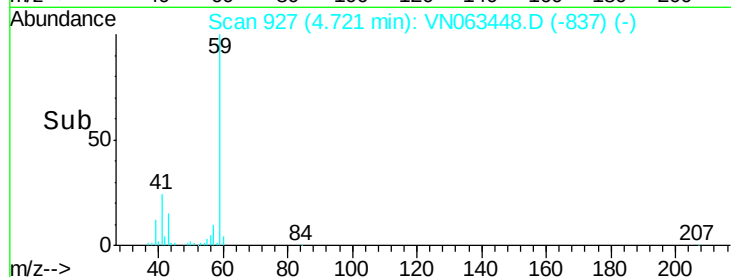
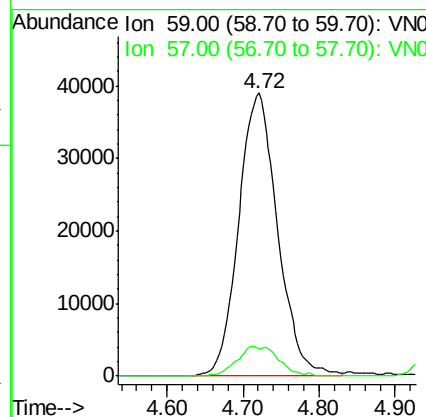
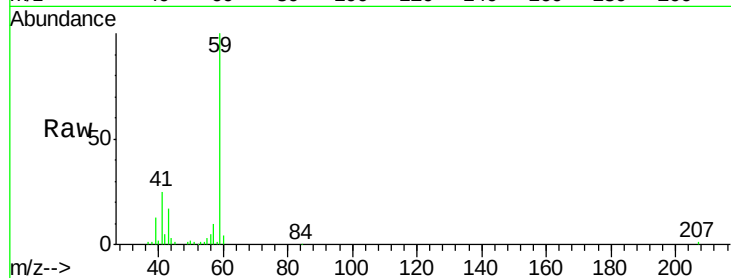
#11
Tert butyl alcohol
Concen: 187.727 ug/l
RT: 4.72 min Scan# 927
Delta R.T. -0.01 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	139057		
57	5.9		8.4	12.6#

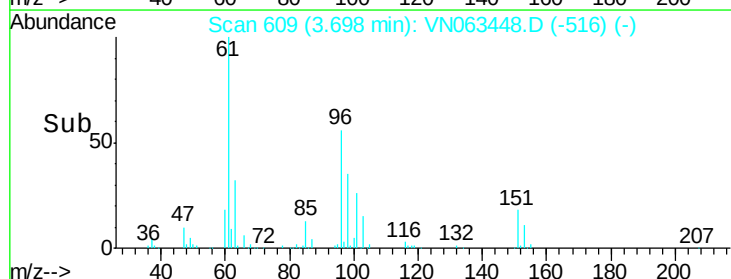
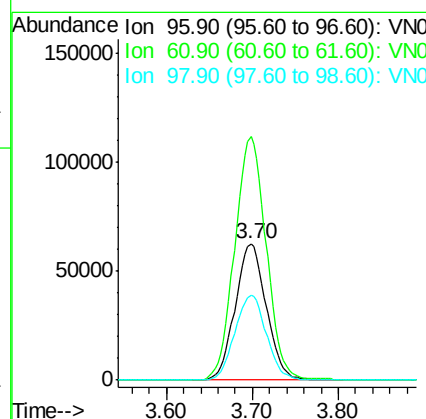
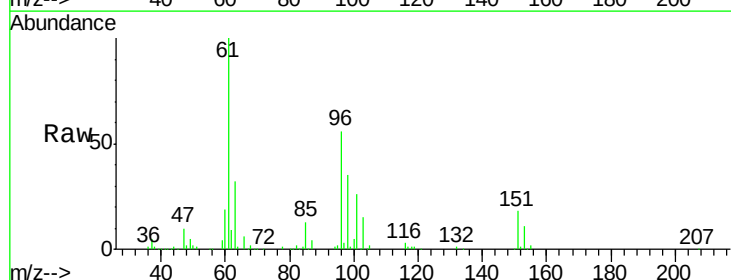
Manual Integrations
APPROVED

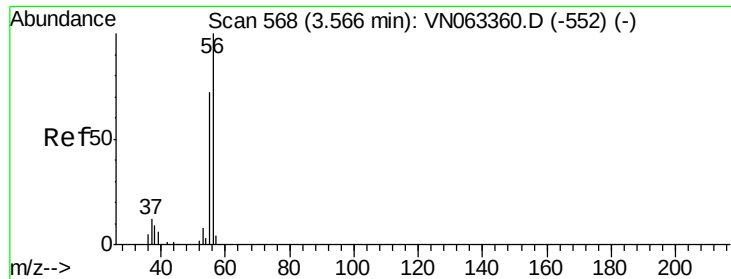
MMDadoda
9/21/2020 11:49:38 AM



#12
1,1-Dichloroethene
Concen: 44.310 ug/l
RT: 3.70 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	157064		
61	178.8		143.4	215.2
98	62.3		50.6	76.0





#13

Acrolein

Concen: 246.073 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 67549

Ion Ratio Lower Upper

56 100

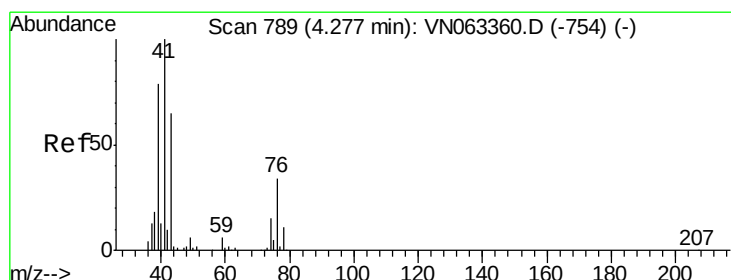
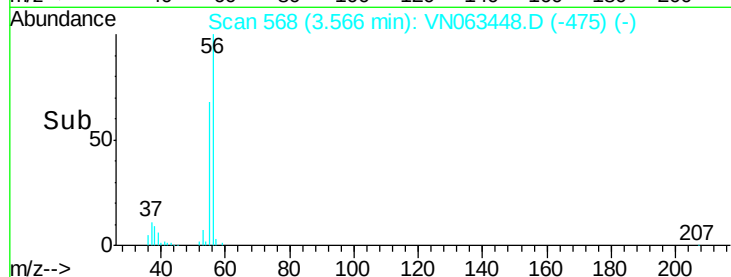
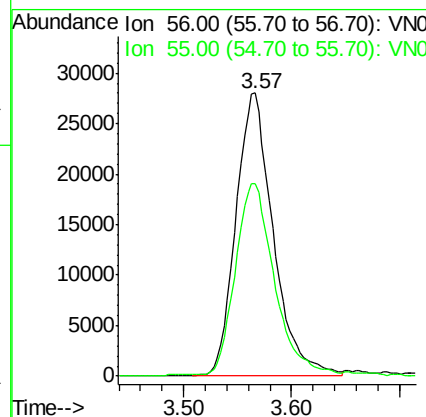
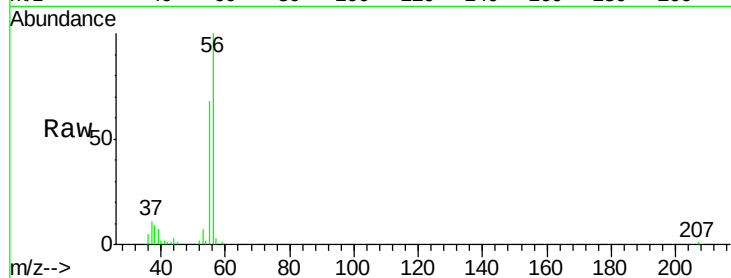
55 69.3 58.2 87.2

Manual Integrations

APPROVED

MMDadoda

9/21/2020 11:49:38 AM



#14

Allyl chloride

Concen: 44.483 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

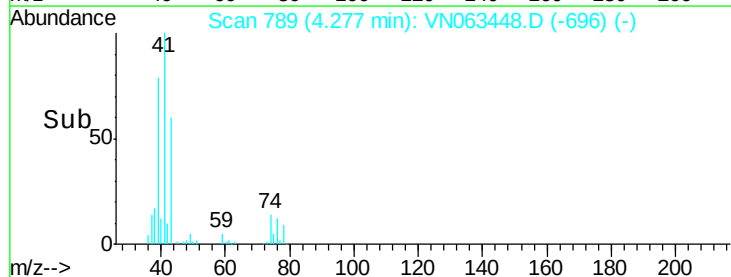
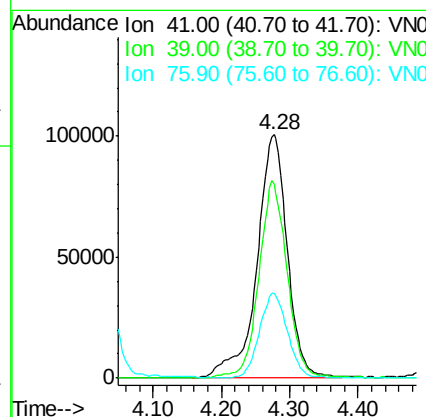
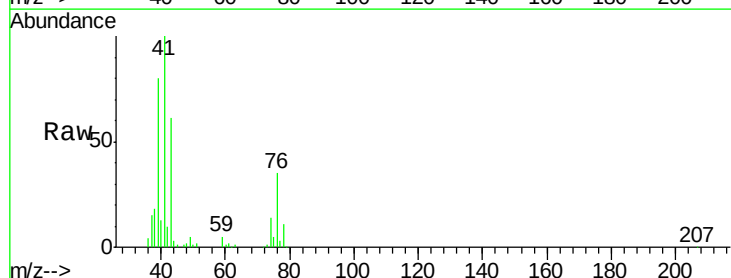
Tgt Ion: 41 Resp: 311889

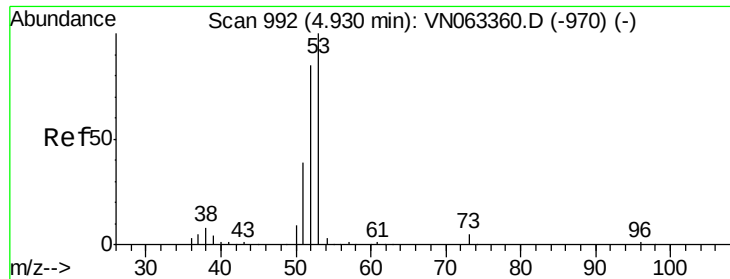
Ion Ratio Lower Upper

41 100

39 75.3 59.3 88.9

76 31.7 25.3 37.9





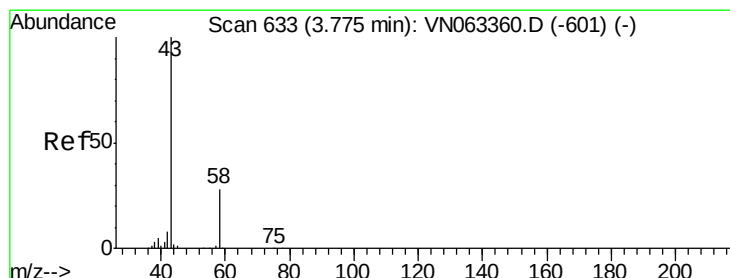
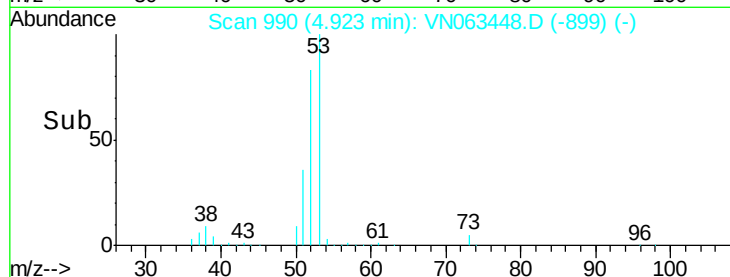
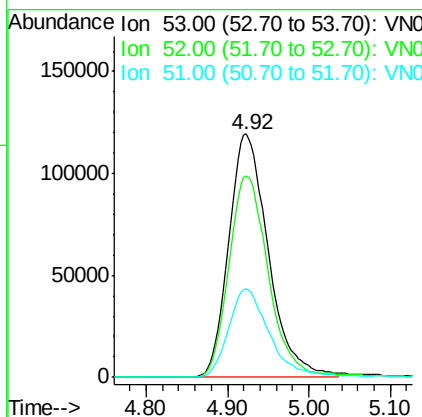
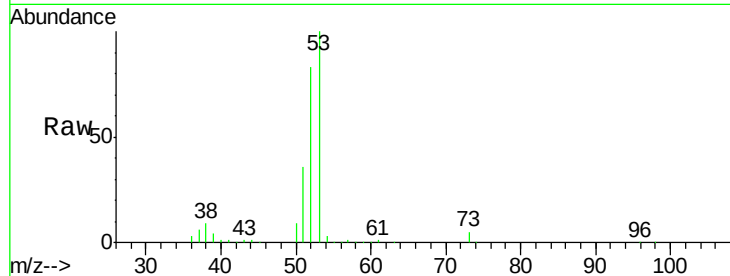
#15
 Acrylonitrile
 Concen: 214.269 ug/l
 RT: 4.92 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VN063448.D
 Acq: 18 Sep 2020 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	403726
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	37.4	30.2	45.4

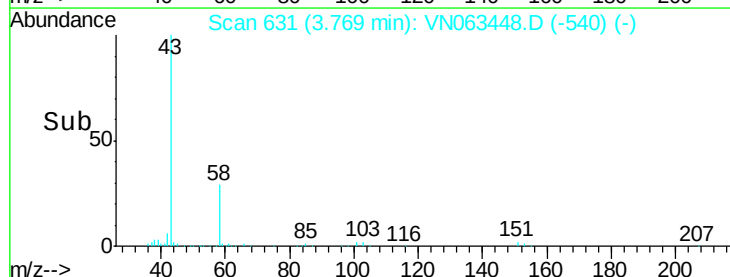
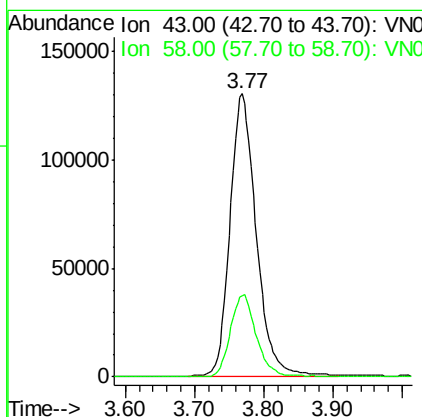
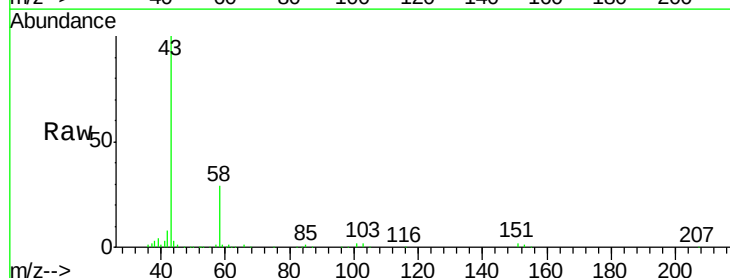
Manual Integrations
 APPROVED

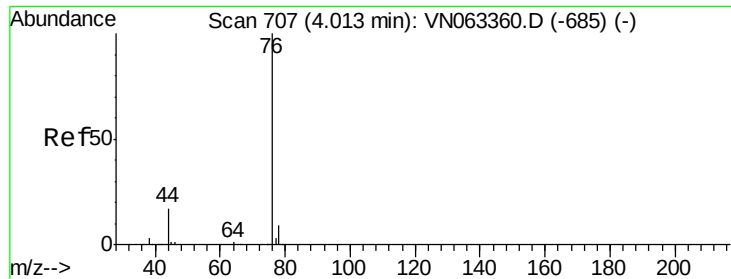
MMDadoda
 9/21/2020 11:49:38 AM



#16
 Acetone
 Concen: 200.405 ug/l
 RT: 3.77 min Scan# 631
 Delta R.T. -0.01 min
 Lab File: VN063448.D
 Acq: 18 Sep 2020 10:32

Tgt Ion:	43	Resp:	344379
Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.3	33.5





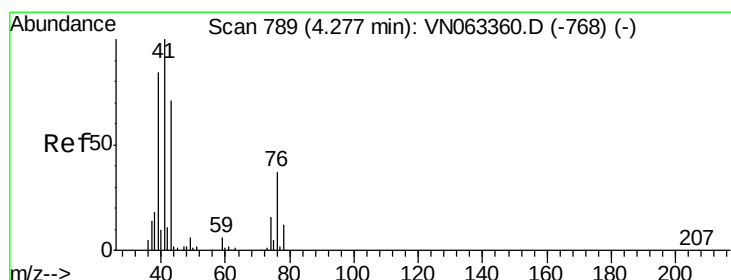
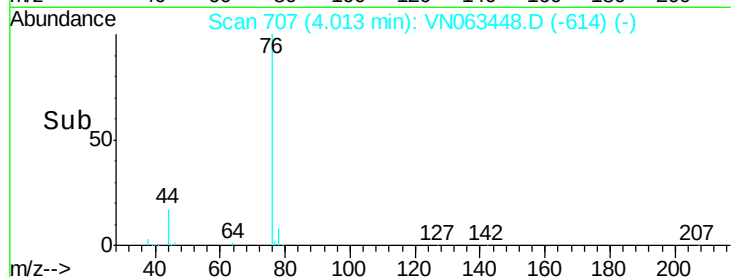
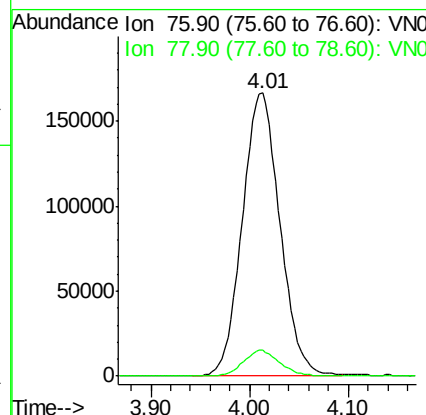
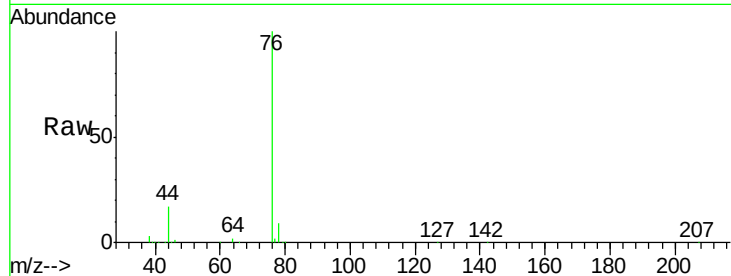
#17
Carbon Disulfide
Concen: 42.595 ug/l
RT: 4.01 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 439175
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

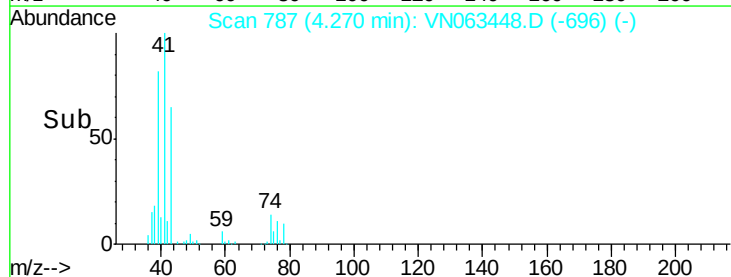
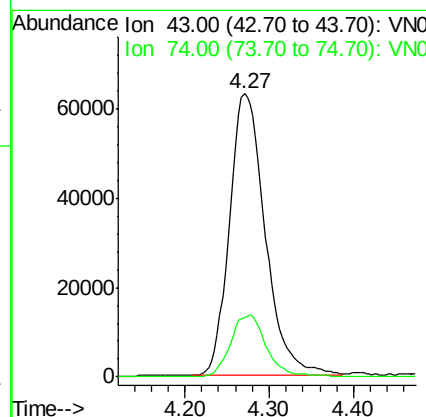
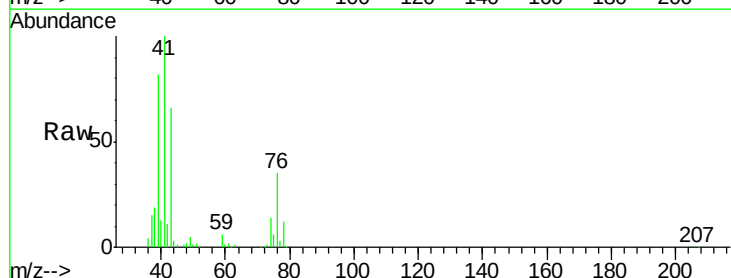
Manual Integrations
APPROVED

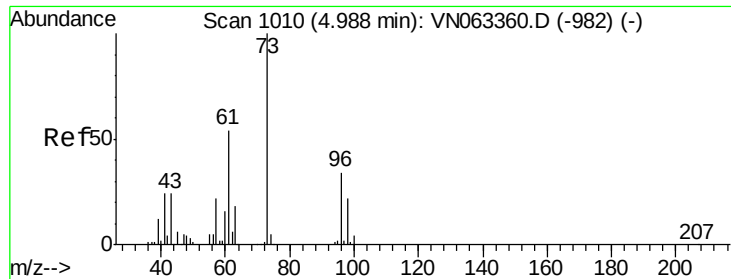
MMDadoda
9/21/2020 11:49:38 AM



#18
Methyl Acetate
Concen: 42.803 ug/l
RT: 4.27 min Scan# 787
Delta R.T. -0.01 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Tgt Ion: 43 Resp: 186727
Ion Ratio Lower Upper
43 100
74 22.1 17.4 26.2





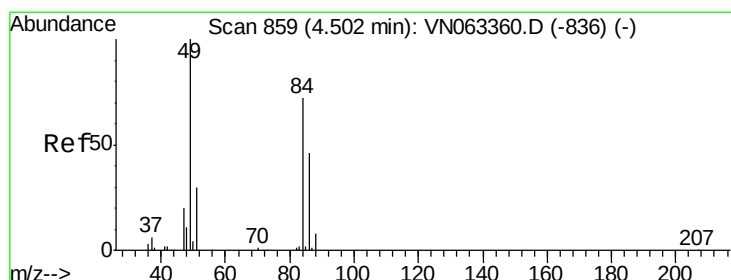
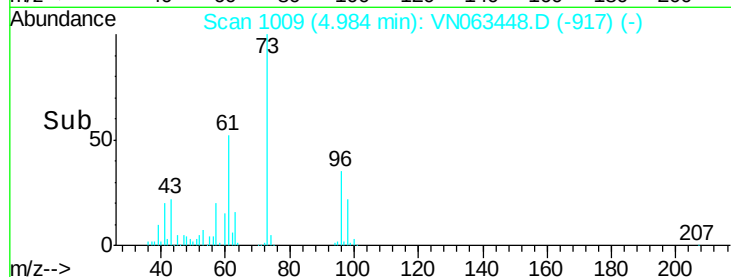
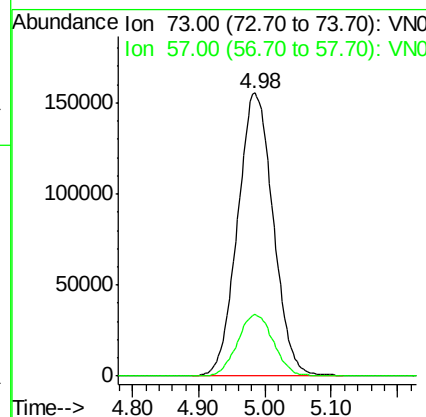
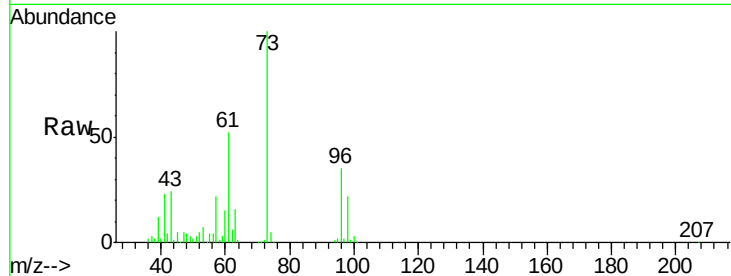
#19
Methvl tert-butvl Ether
Concen: 43.931 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 580383
Ion Ratio Lower Upper
73 100
57 21.7 17.9 26.9

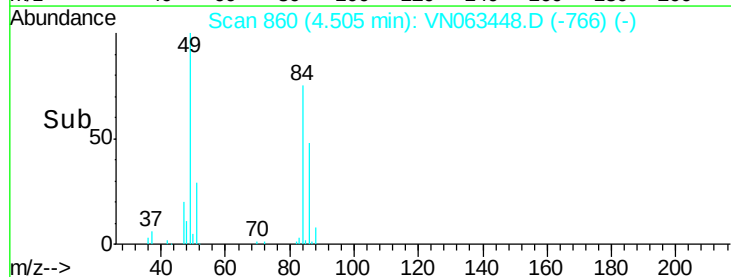
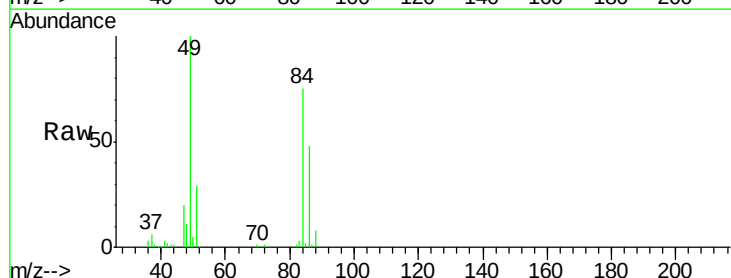
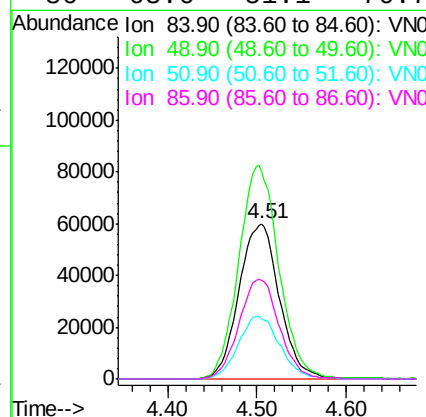
Manual Integrations
APPROVED

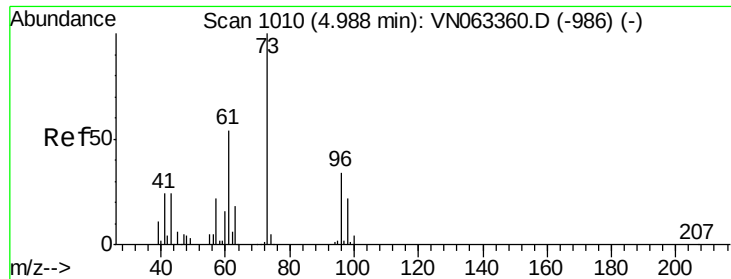
MMDadoda
9/21/2020 11:49:38 AM



#20
Methylene Chloride
Concen: 43.433 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Tgt Ion: 84 Resp: 189099
Ion Ratio Lower Upper
84 100
49 133.8 110.7 166.1
51 39.2 32.9 49.3
86 63.6 51.1 76.7





#21

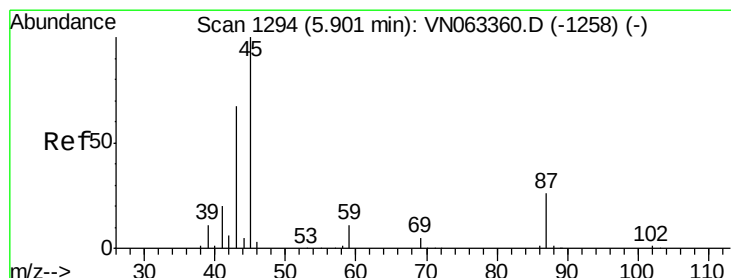
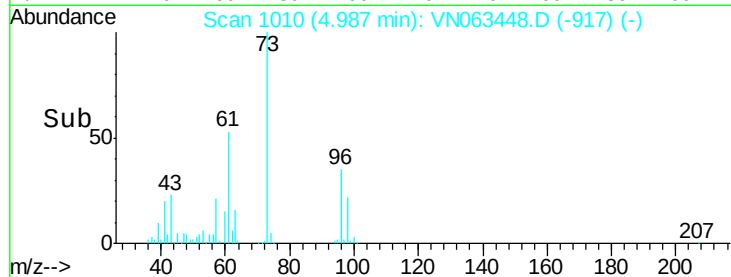
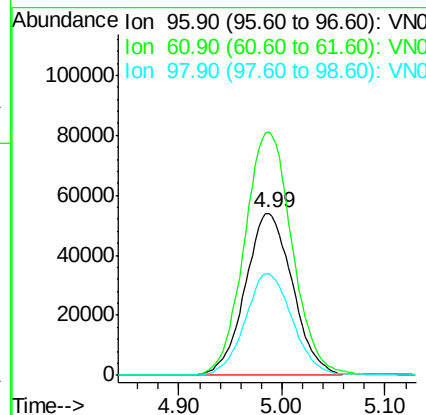
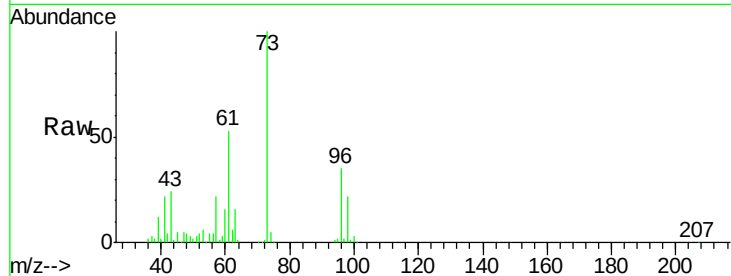
trans-1,2-Dichloroethene
Concen: 43.710 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	149.8	126.2	189.4	
98	62.6	51.0	76.4	

Manual Integrations
APPROVED

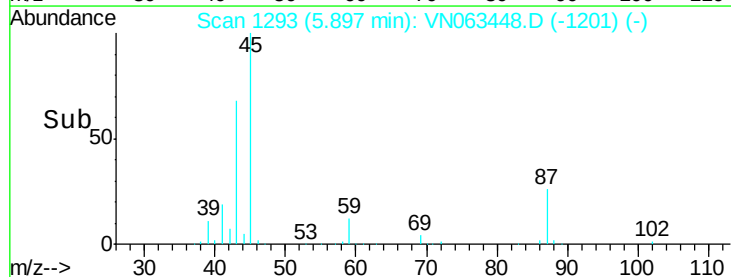
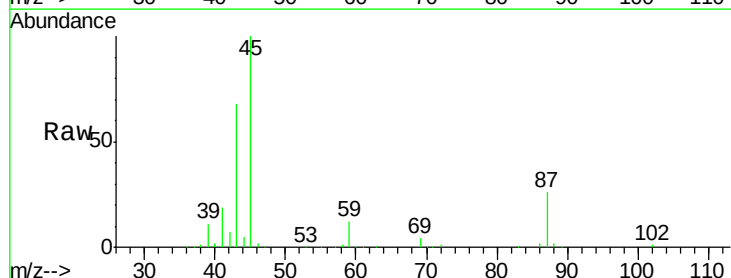
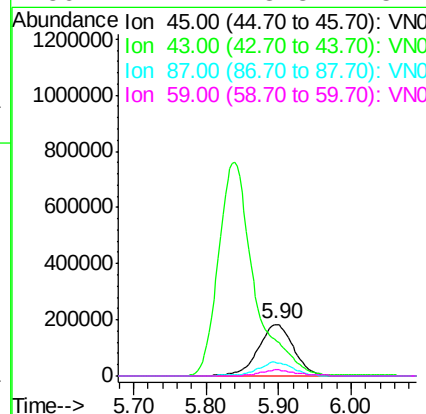
MMDadoda
9/21/2020 11:49:38 AM

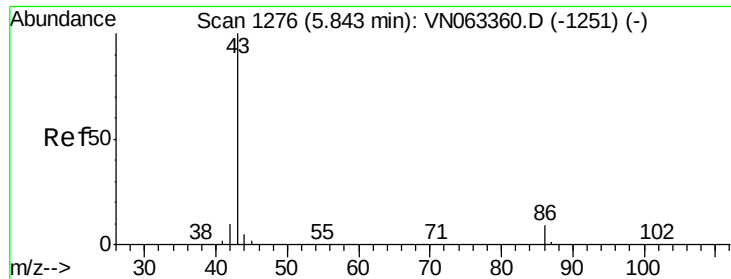


#22

Diisopropyl ether
Concen: 43.682 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	66.0	53.5	80.3	
87	25.6	21.2	31.8	
59	11.2	8.8	13.2	





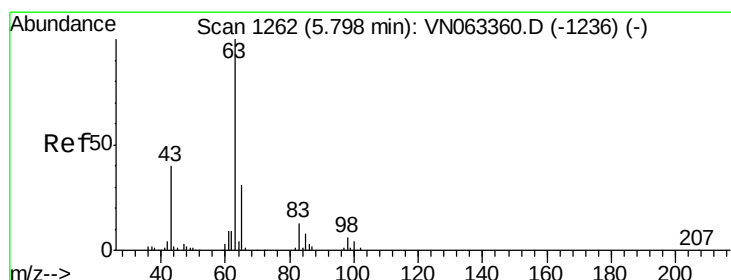
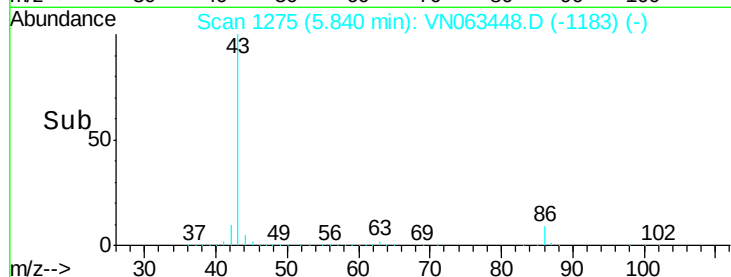
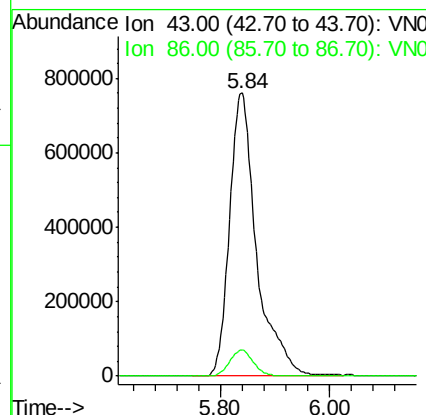
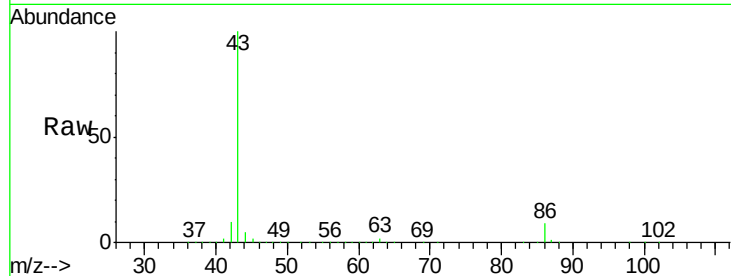
#23
 Vinyl Acetate
 Concen: 222.969 ug/l
 RT: 5.84 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN063448.D
 Acq: 18 Sep 2020 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2618518
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.1 10.7

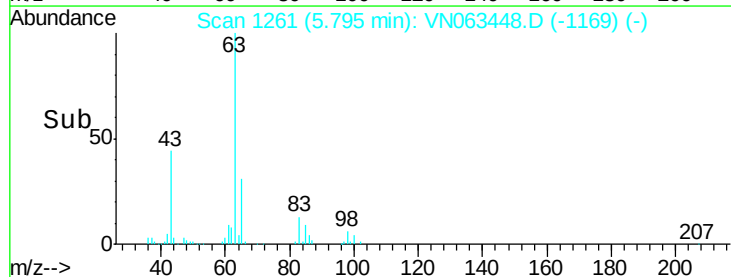
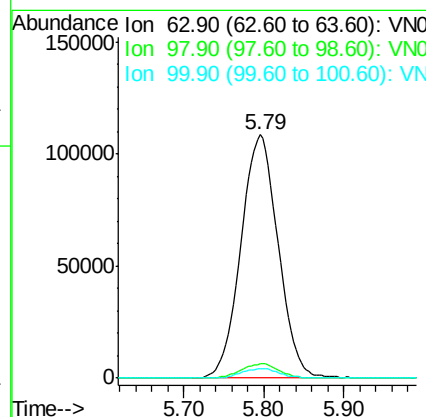
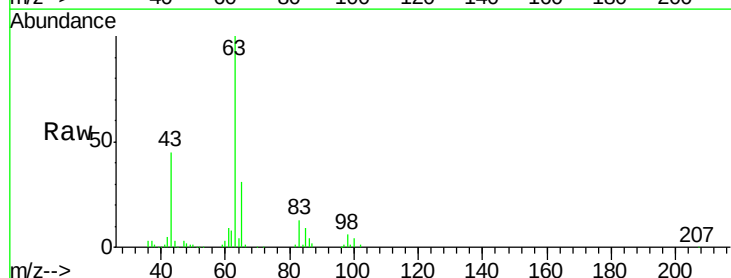
Manual Integrations
 APPROVED

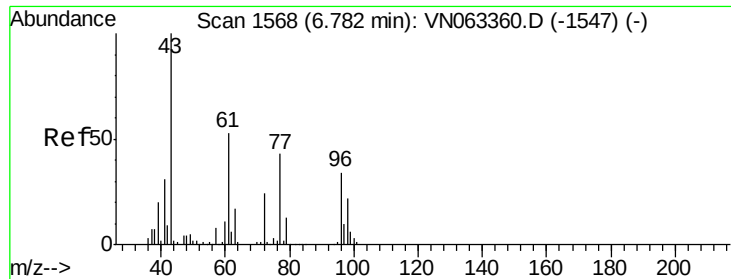
MMDadoda
 9/21/2020 11:49:38 AM



#24
 1,1-Dichloroethane
 Concen: 43.956 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN063448.D
 Acq: 18 Sep 2020 10:32

Tgt Ion: 63 Resp: 343165
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.8
 100 4.0 2.1 6.3





#25

2-Butanone

Concen: 207.761 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 549090

Ion Ratio Lower Upper

43 100

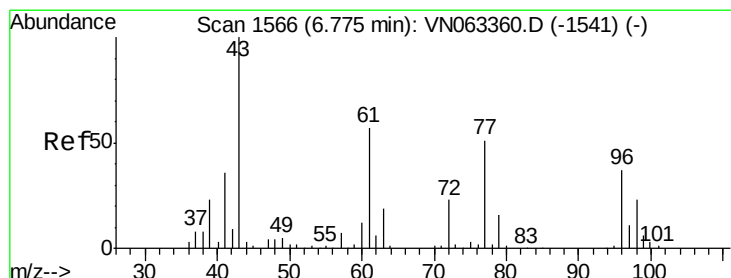
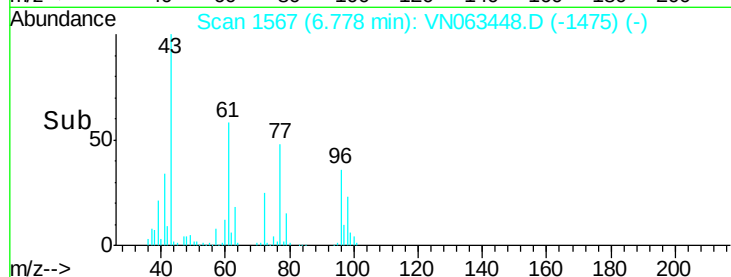
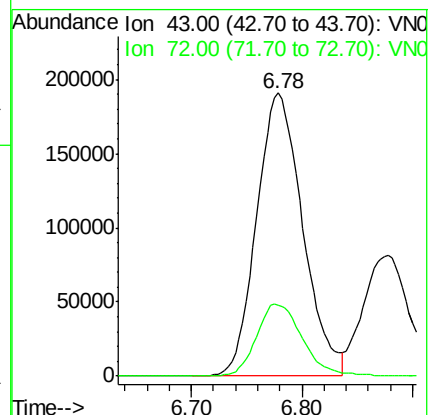
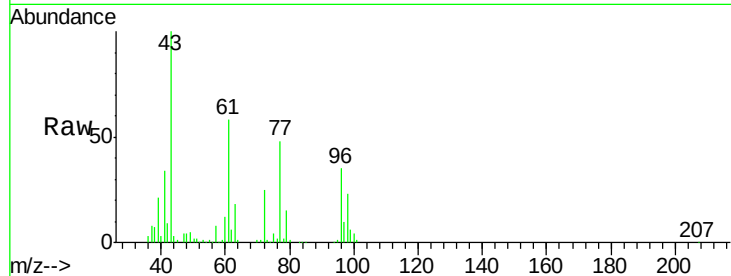
72 25.1 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

9/21/2020 11:49:38 AM



#26

2,2-Dichloropropane

Concen: 44.321 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN063448.D

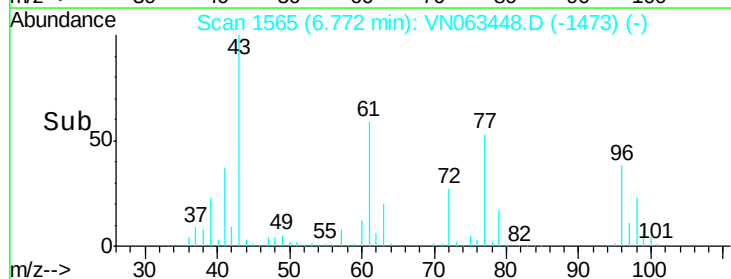
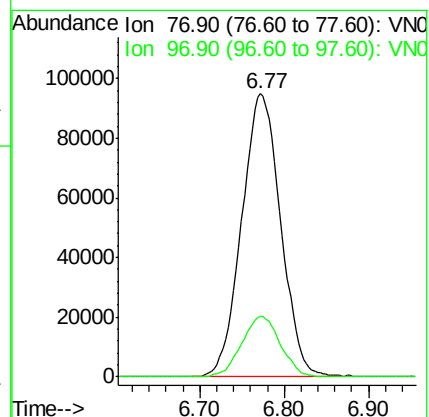
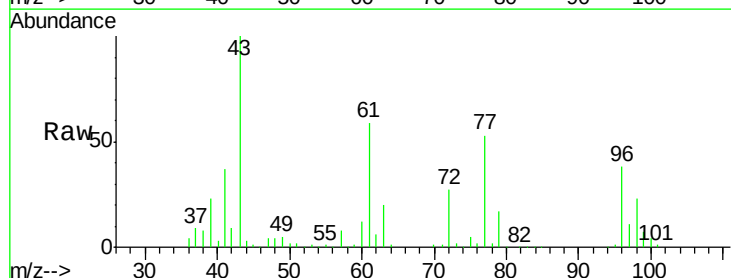
Acq: 18 Sep 2020 10:32

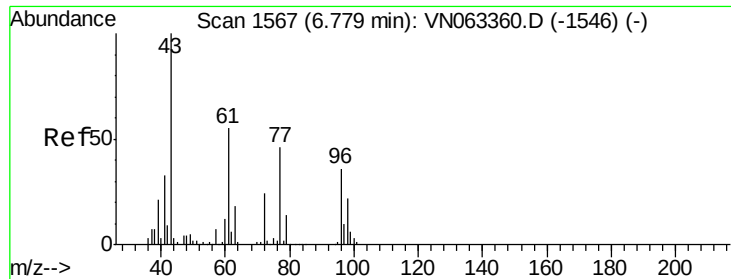
Tgt Ion: 77 Resp: 304644

Ion Ratio Lower Upper

77 100

97 21.2 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 45.244 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

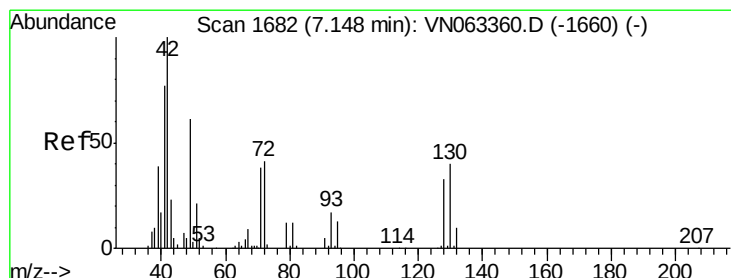
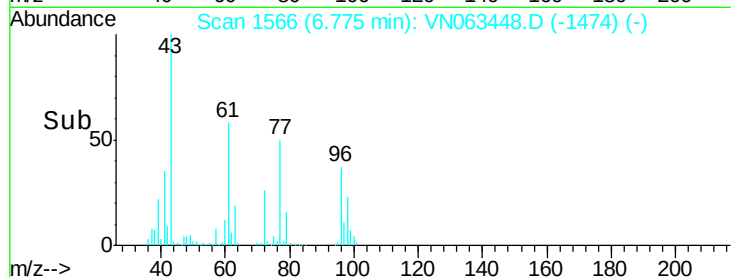
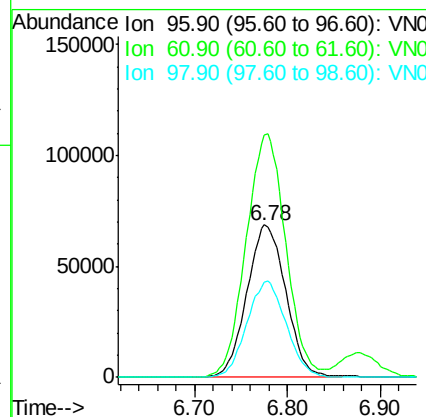
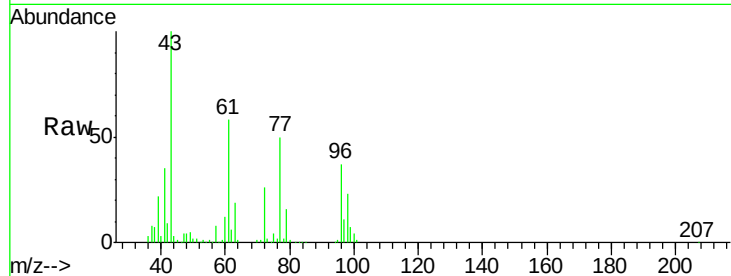
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	201116
Ion	Ratio	Lower	Upper
96	100		
61	161.4	0.0	319.6
98	63.4	0.0	127.8

Manual Integrations
APPROVED

MMDadoda
9/21/2020 11:49:38 AM



#28

Bromochloromethane

Concen: 46.694 ug/l

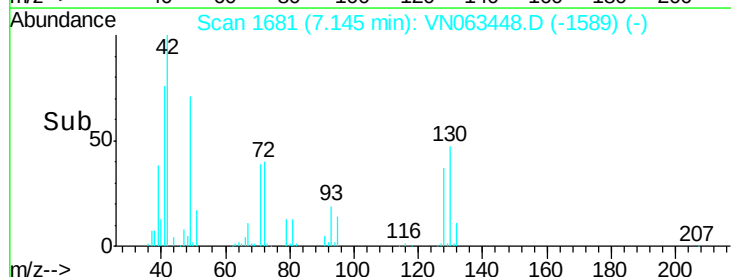
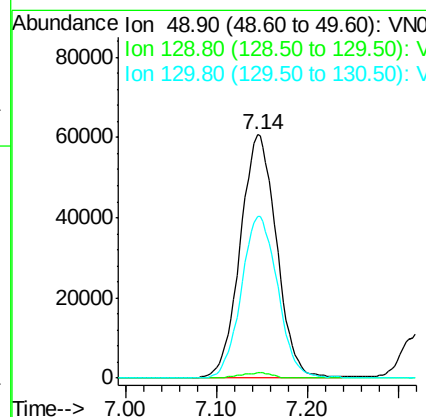
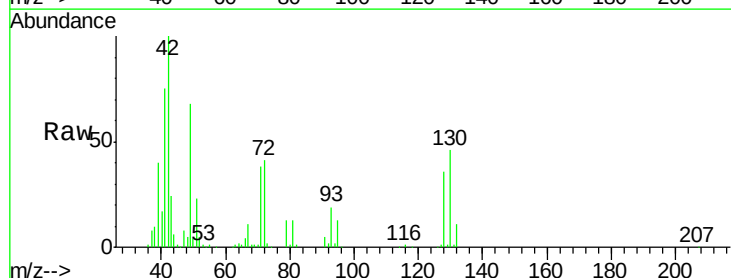
RT: 7.14 min Scan# 1681

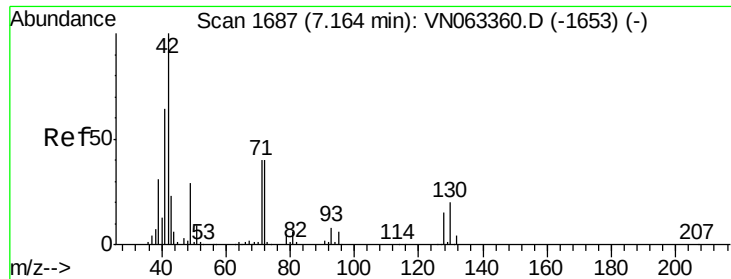
Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Tgt Ion:	49	Resp:	168318
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	66.4	52.2	78.2





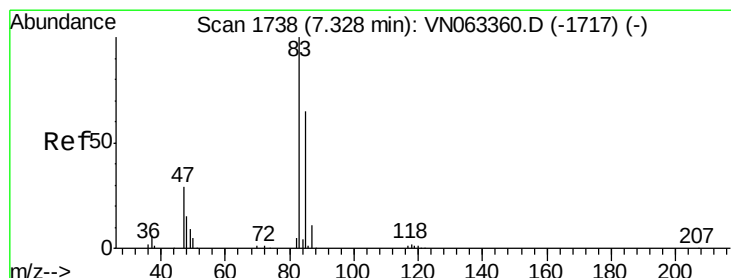
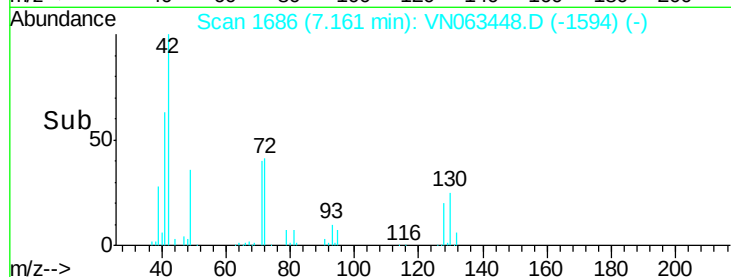
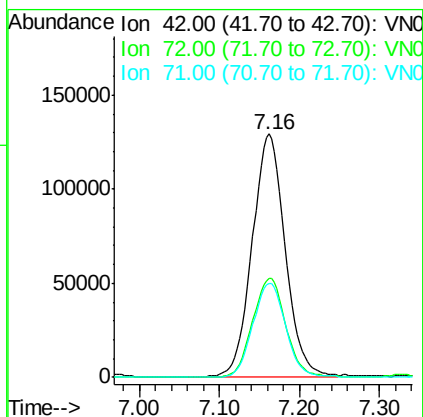
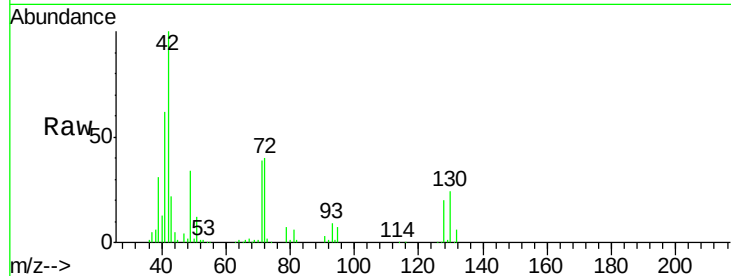
#29
Tetrahydrofuran
Concen: 203.368 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.1	48.1
71	38.3	31.2	46.8

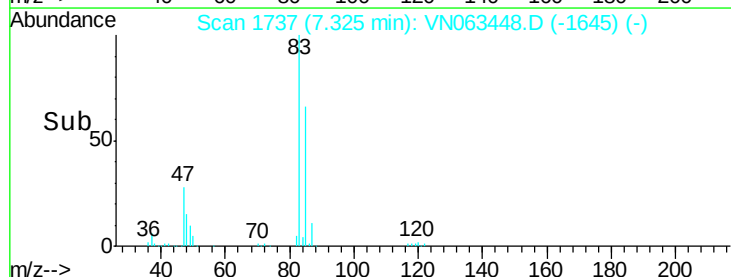
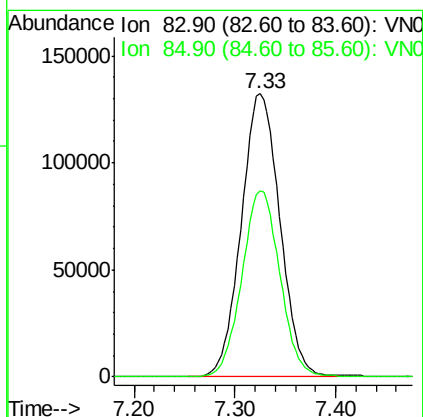
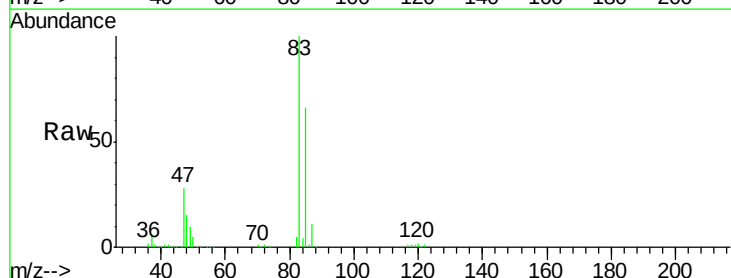
Manual Integrations
APPROVED

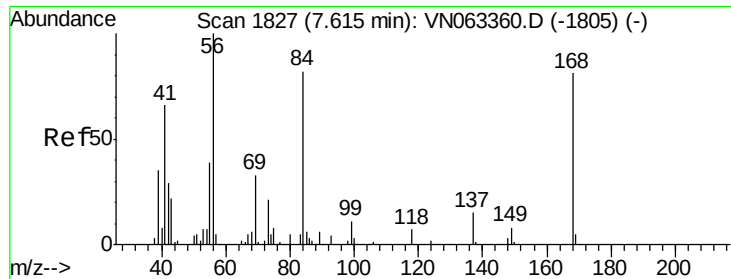
MMDadoda
9/21/2020 11:49:38 AM



#30
Chloroform
Concen: 44.913 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.1	78.1





#31

Cyclohexane

Concen: 41.570 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

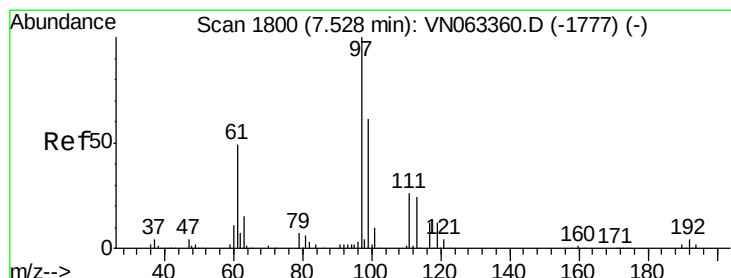
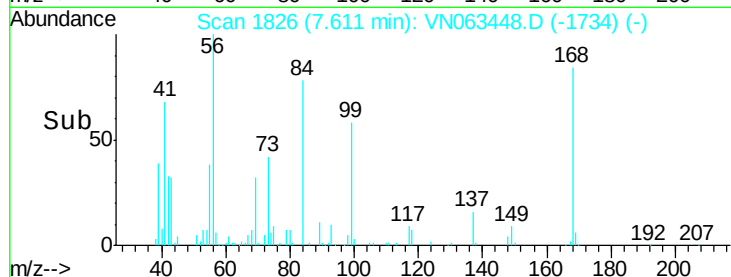
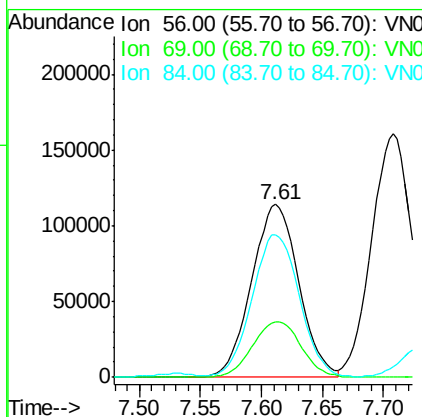
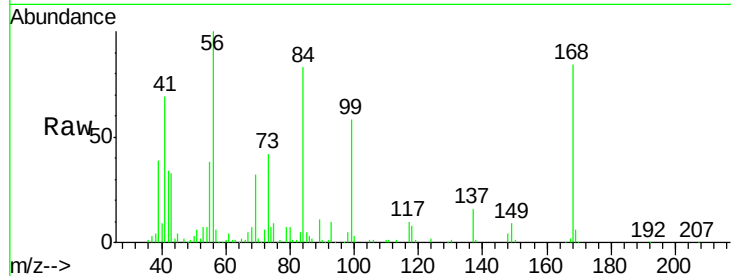
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	306980
Ion Ratio	Lower	Upper	
56	100		
69	31.7	26.1	39.1
84	80.9	65.4	98.2

Manual Integrations
APPROVED

MMDadoda
9/21/2020 11:49:38 AM



#32

1,1,1-Trichloroethane

Concen: 44.840 ug/l

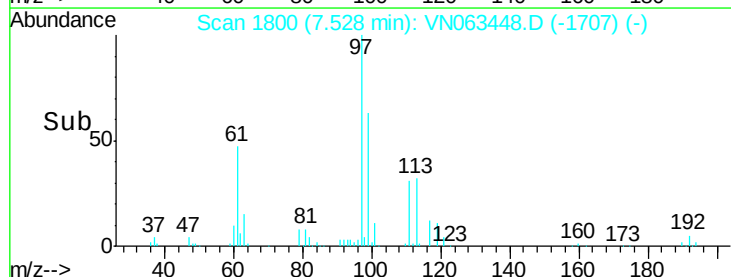
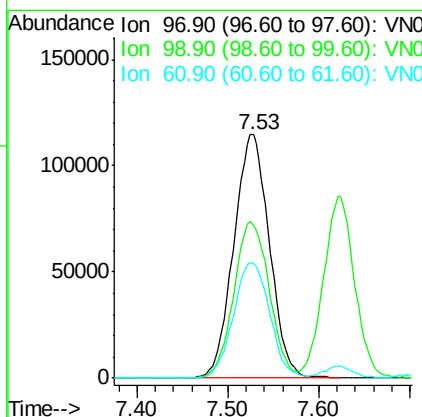
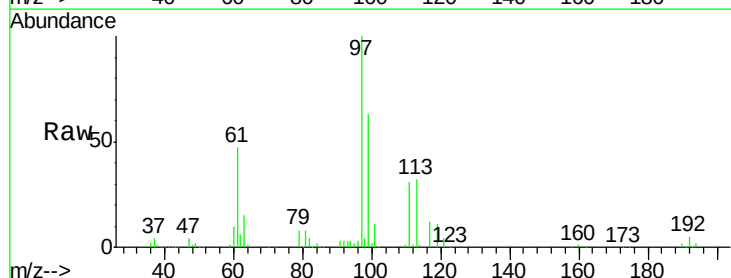
RT: 7.53 min Scan# 1800

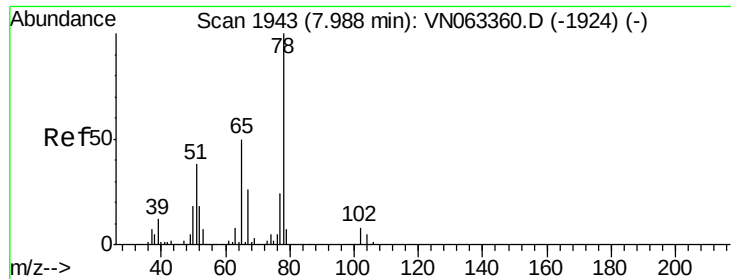
Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Tgt Ion:	97	Resp:	312385
Ion Ratio	Lower	Upper	
97	100		
99	63.8	50.6	76.0
61	48.3	39.2	58.8





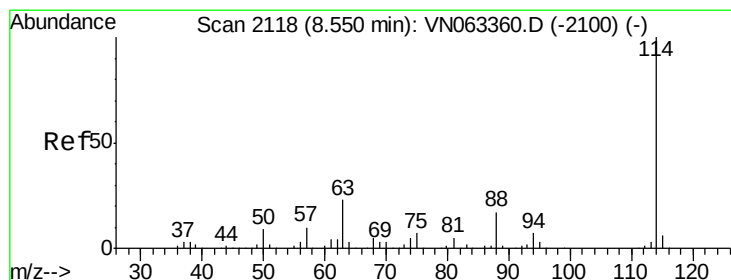
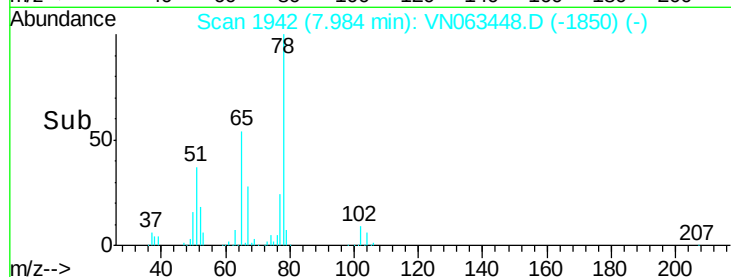
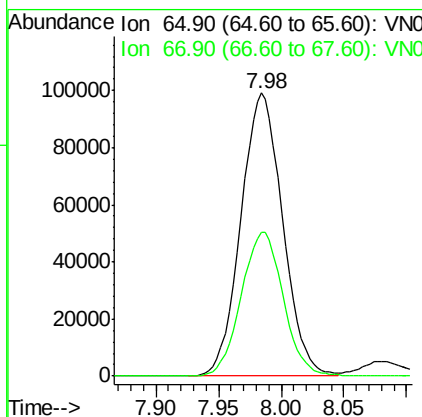
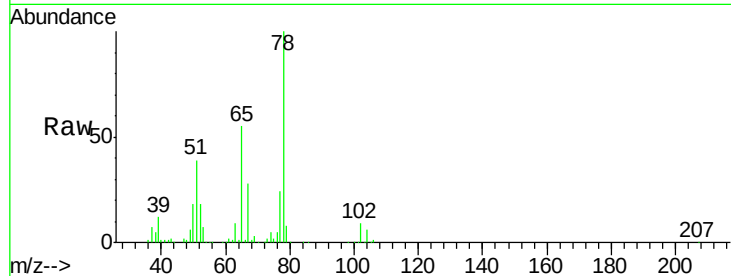
#33
 1,2-Dichloroethane-d4
 Concen: 42.972 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063448.D
 Acq: 18 Sep 2020 10:32

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 65 Resp: 229769
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.2

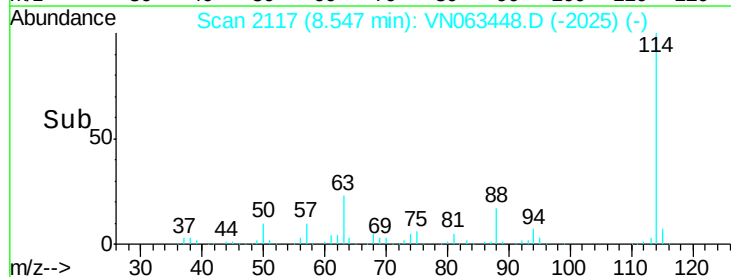
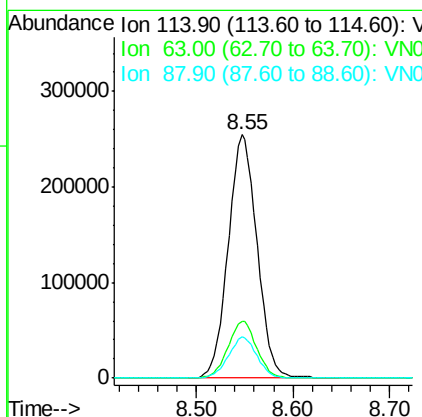
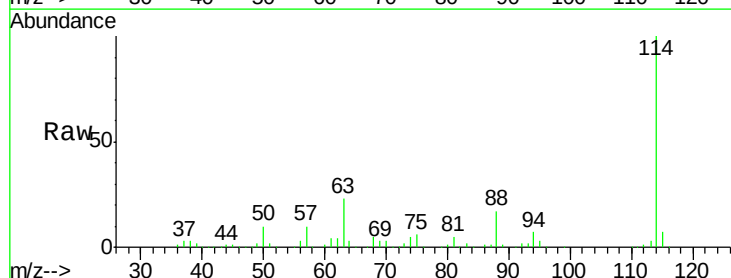
Manual Integrations
 APPROVED

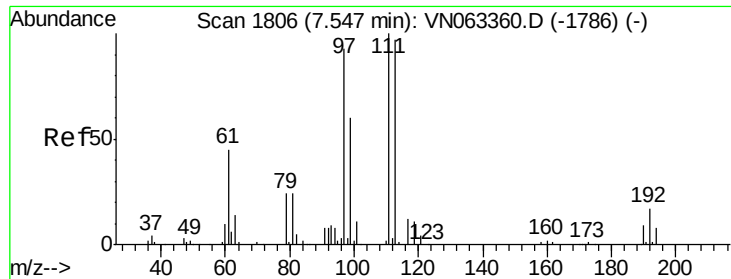
MMDadoda
 9/21/2020 11:49:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN063448.D
 Acq: 18 Sep 2020 10:32

Tgt Ion: 114 Resp: 527059
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 46.4
 88 16.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 45.265 ug/l

RT: 7.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

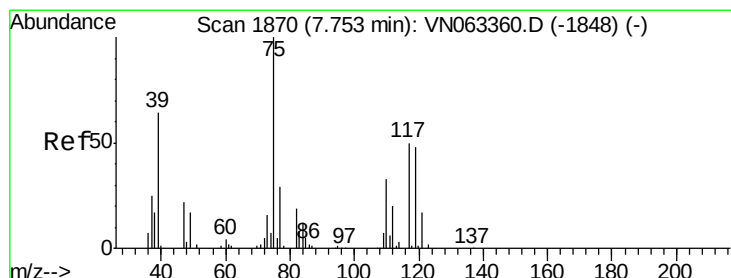
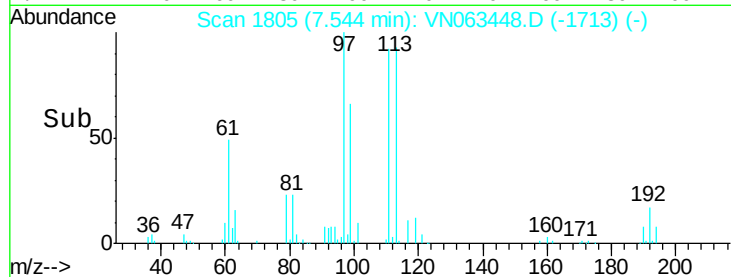
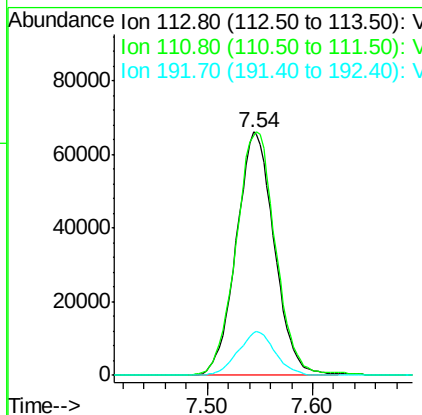
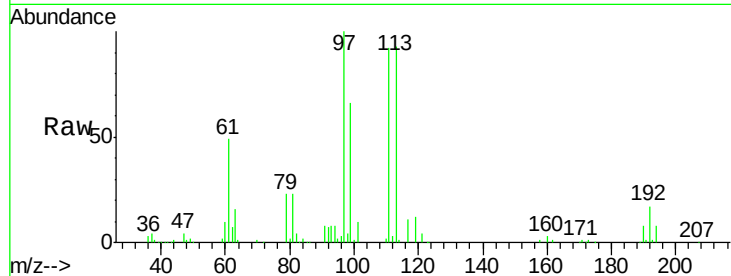
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	165159
Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.9	124.3
192	17.6	13.9	20.9

Manual Integrations
APPROVED

MMDadoda
9/21/2020 11:49:38 AM



#36

1,1-Dichloropropene

Concen: 46.160 ug/l

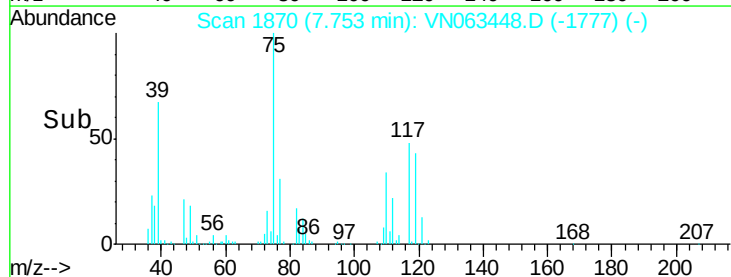
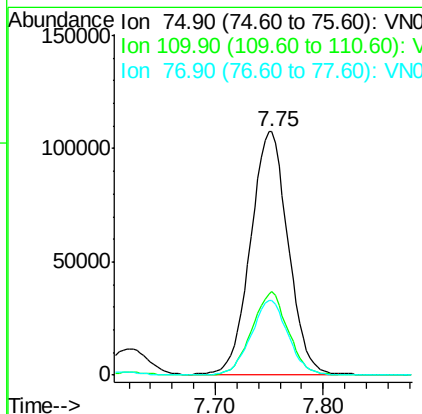
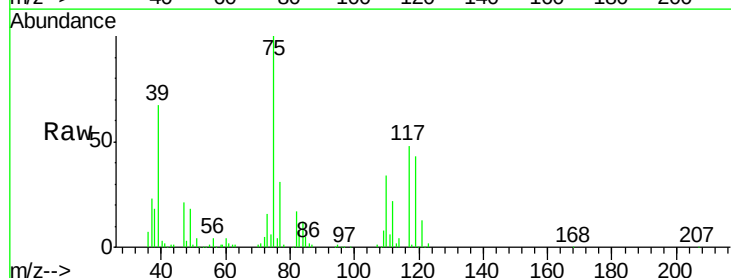
RT: 7.75 min Scan# 1870

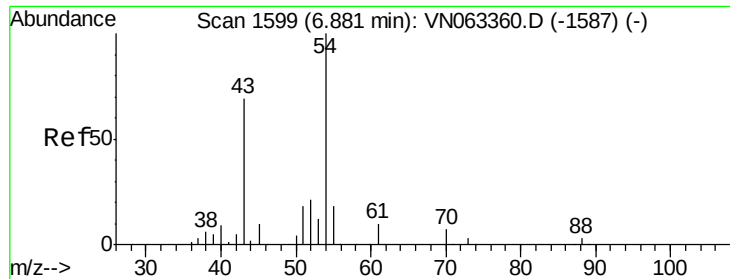
Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Tgt Ion:	75	Resp:	259193
Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.5	49.5
77	30.5	24.6	36.8





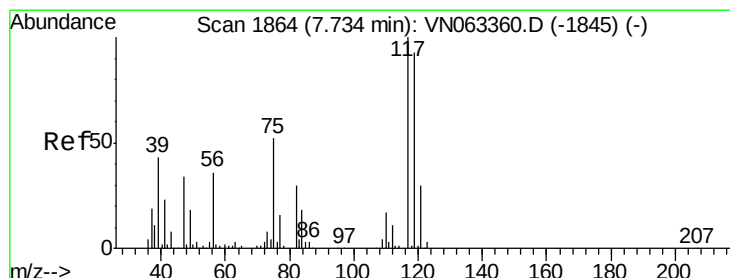
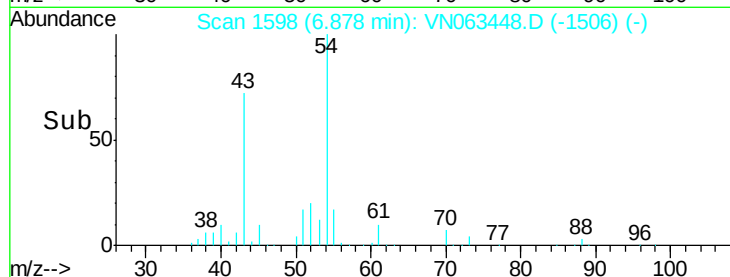
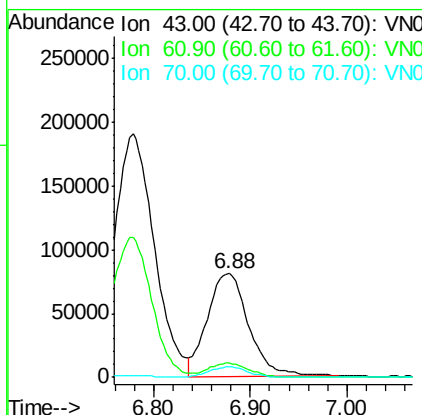
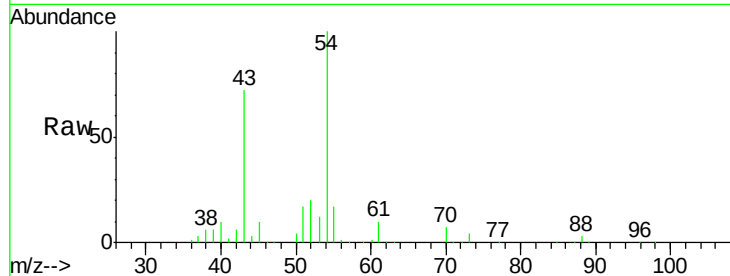
#37
Ethyl Acetate
Concen: 43.641 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.6	15.8
70	9.7	7.2	10.8

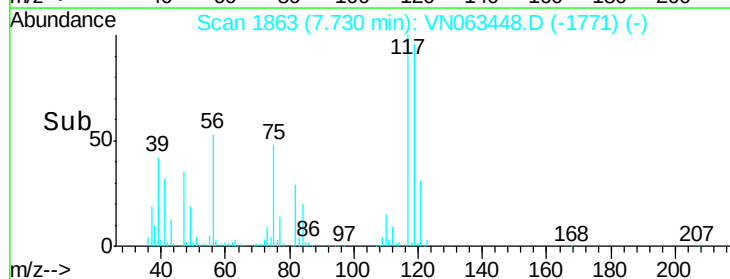
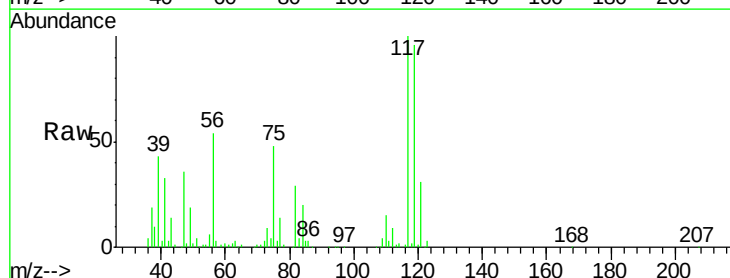
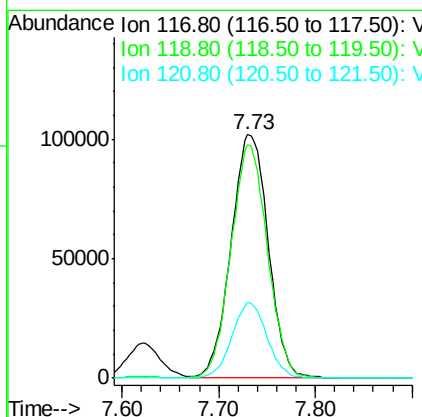
Manual Integrations
APPROVED

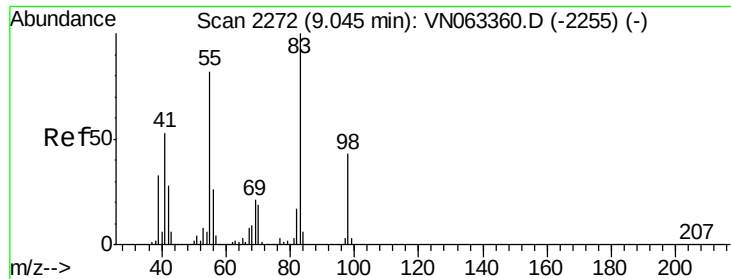
MMDadoda
9/21/2020 11:49:38 AM



#38
Carbon Tetrachloride
Concen: 47.302 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.5	111.7
121	31.0	24.1	36.1





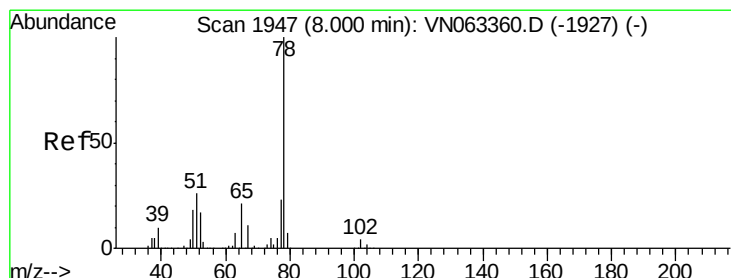
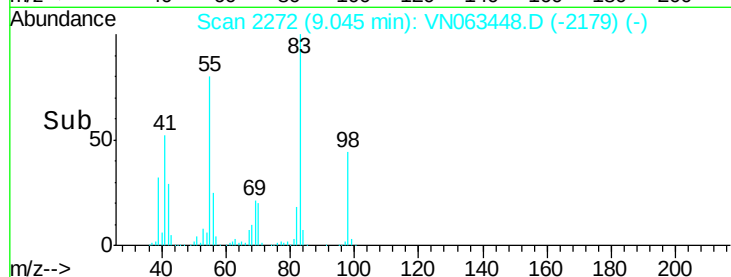
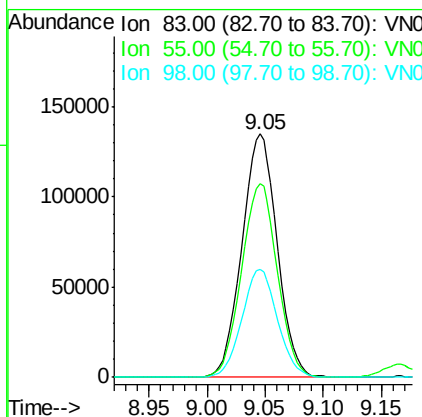
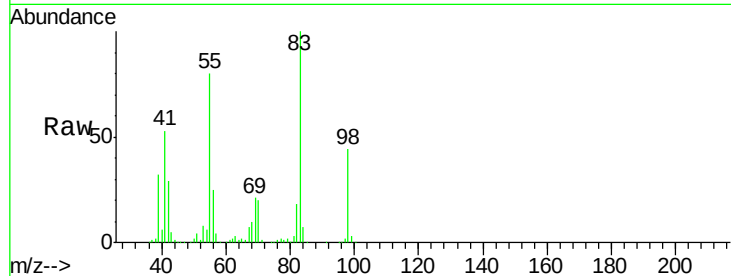
#39
Methylvlcyclohexane
Concen: 46.882 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	285707		
55	79.7		65.5	98.3
98	44.5		34.2	51.4

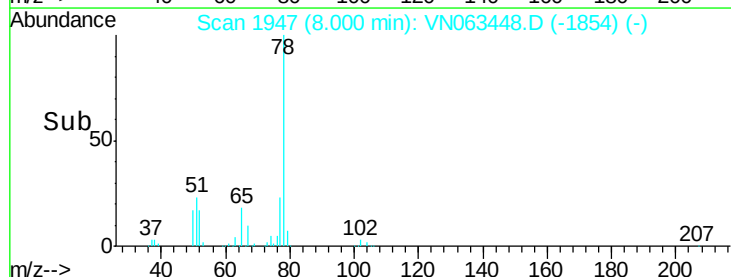
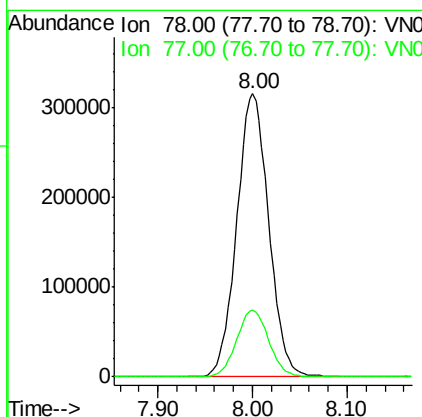
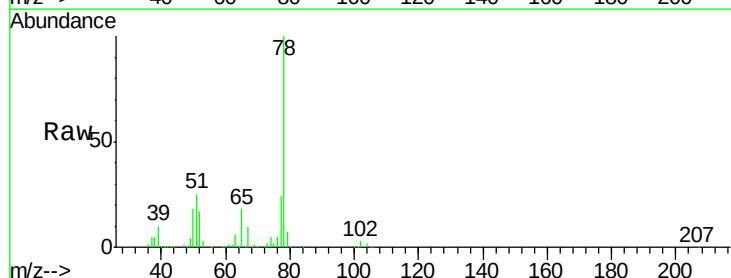
Manual Integrations
APPROVED

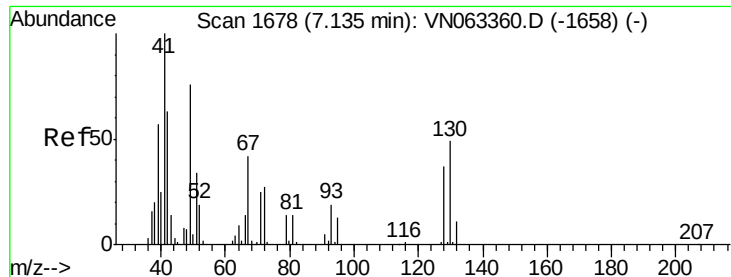
MMDadoda
9/21/2020 11:49:38 AM



#40
Benzene
Concen: 46.213 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	740747		
77	23.7		18.3	27.5





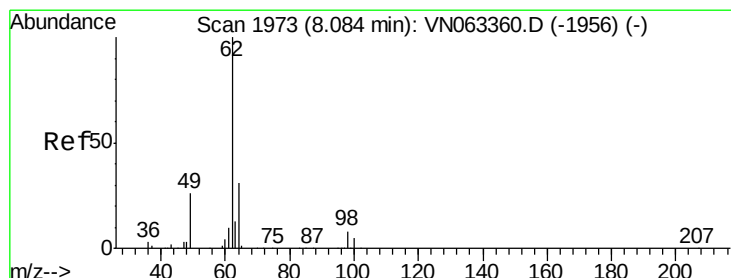
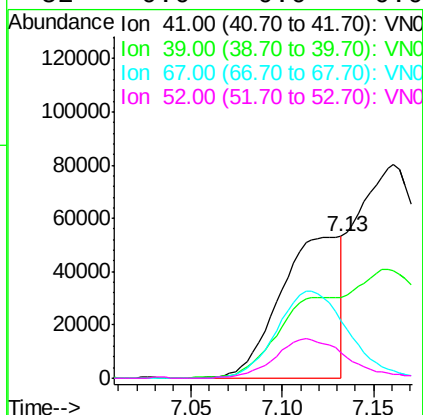
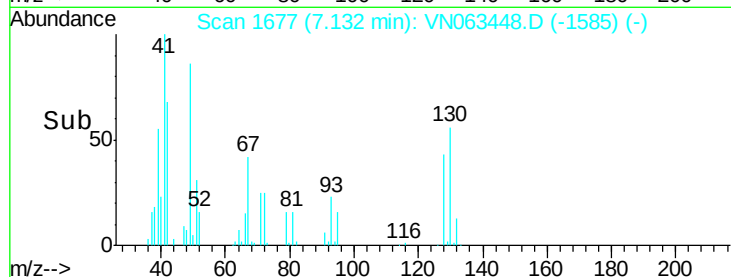
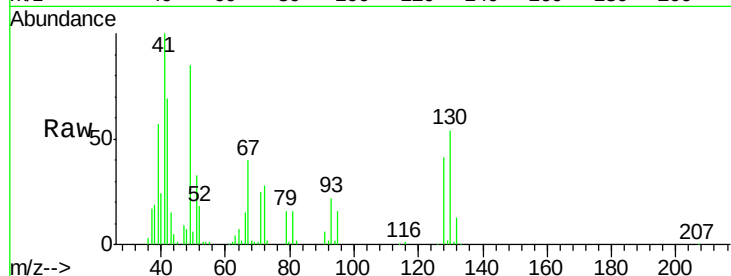
#41
Methacrylonitrile
Concen: 49.408 ug/l m
RT: 7.13 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	122464		
39	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

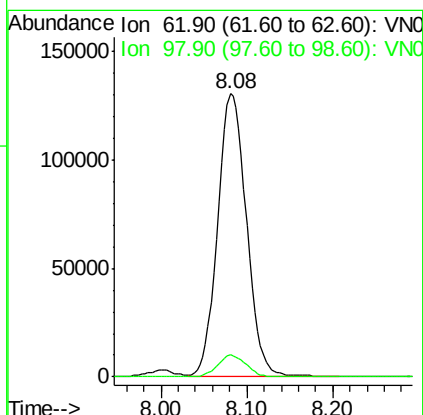
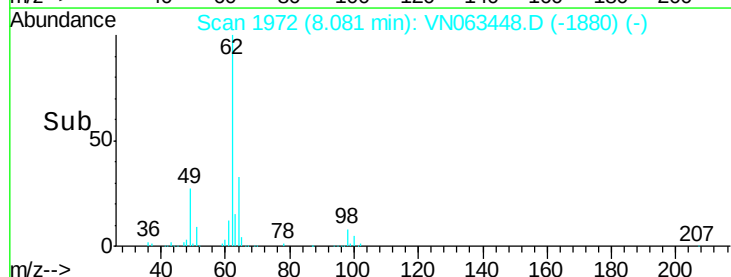
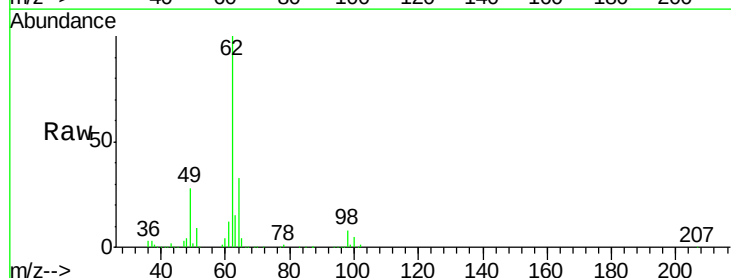
Manual Integrations
APPROVED

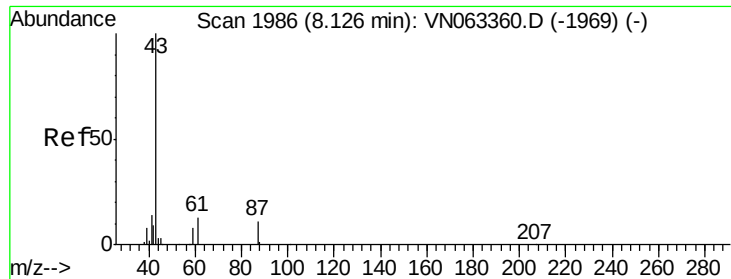
MMDadoda
9/21/2020 11:49:38 AM



#42
1,2-Dichloroethane
Concen: 47.324 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	305050		
98	7.6	0.0	15.6	





#43

Isopropyl Acetate

Concen: 43.437 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

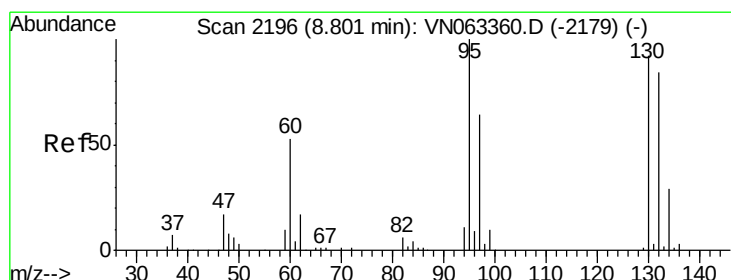
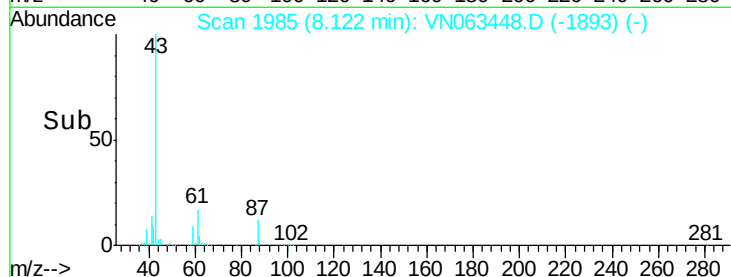
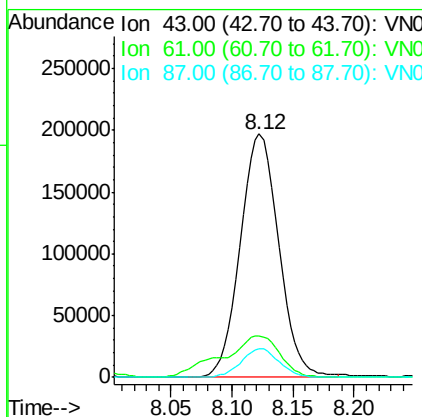
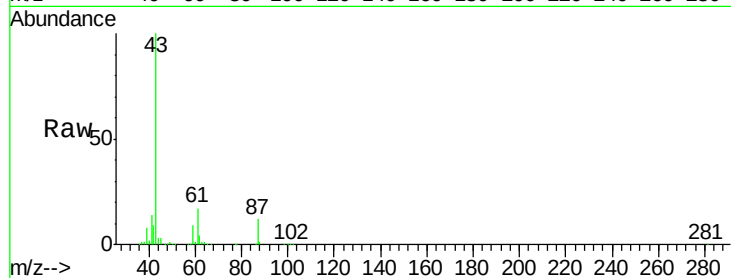
ClientSampleId :

VSTDCCC050

Tot Ion	43	Resp	428036
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.2	21.2
87	11.6	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
9/21/2020 11:49:38 AM



#44

Trichloroethene

Concen: 47.949 ug/l

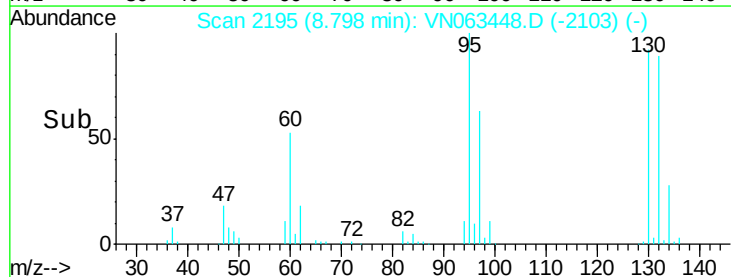
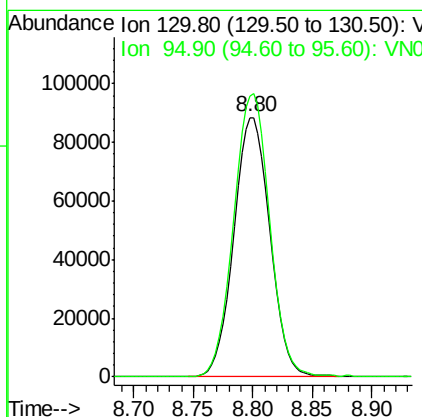
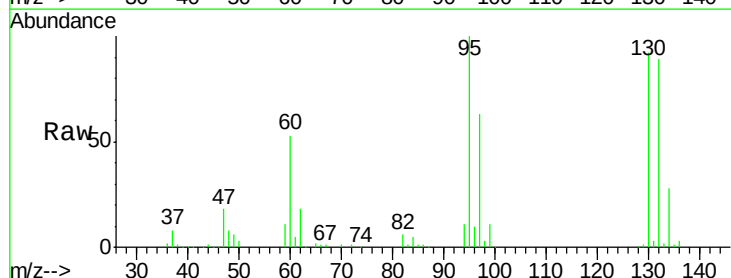
RT: 8.80 min Scan# 2195

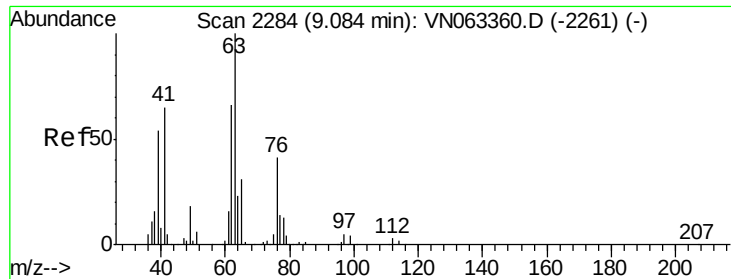
Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Tgt Ion	130	Resp	186413
Ion	Ratio	Lower	Upper
130	100		
95	108.3	0.0	217.4





#45

1,2-Dichloropropane

Concen: 46.053 ug/l

RT: 9.08 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 201048

Ion Ratio Lower Upper

63 100

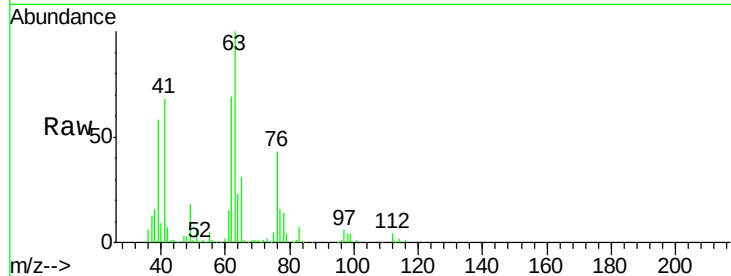
65 30.7 25.0 37.6

Manual Integrations

APPROVED

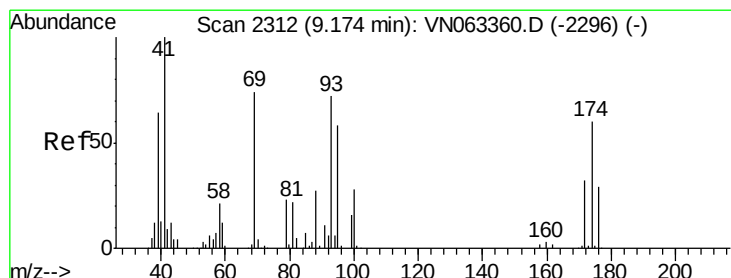
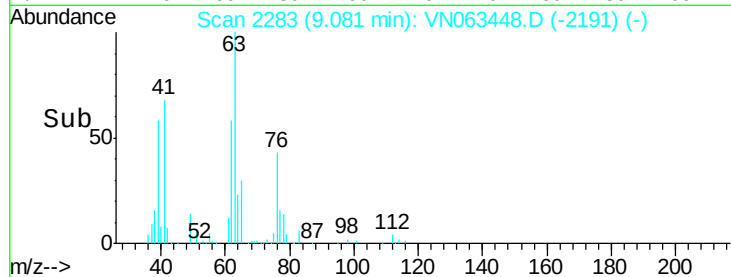
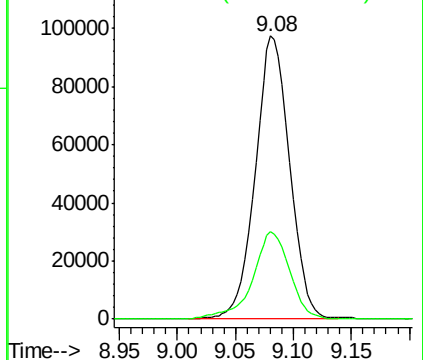
MMDadoda

9/21/2020 11:49:38 AM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 46.670 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

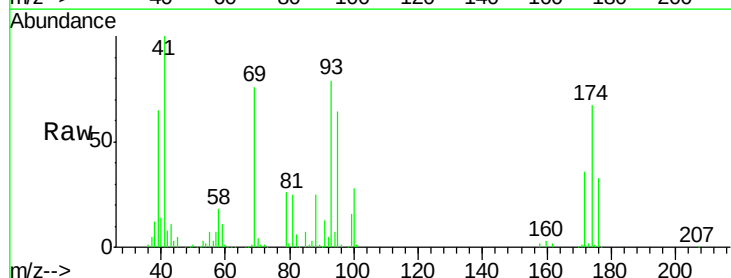
Tgt Ion: 93 Resp: 133911

Ion Ratio Lower Upper

93 100

95 81.5 65.6 98.4

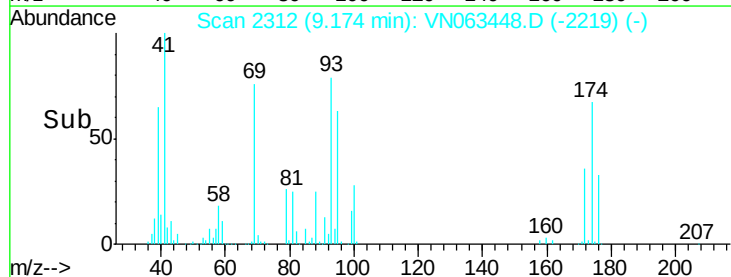
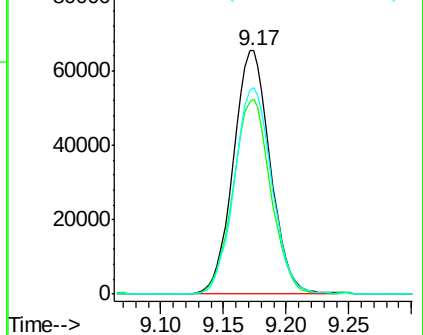
174 86.0 68.1 102.1

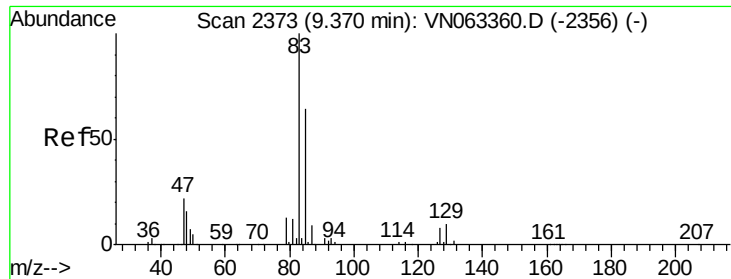


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





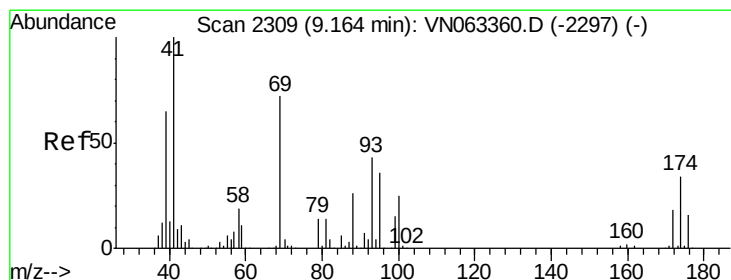
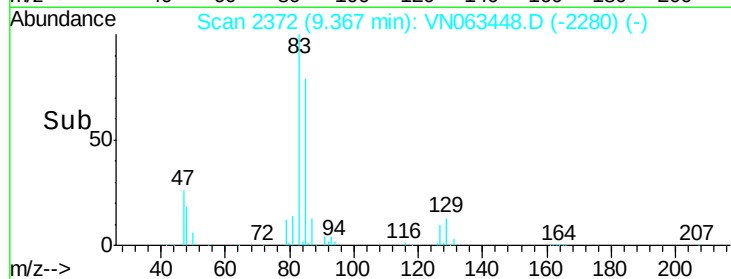
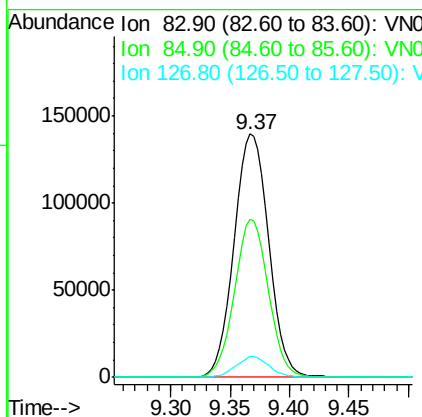
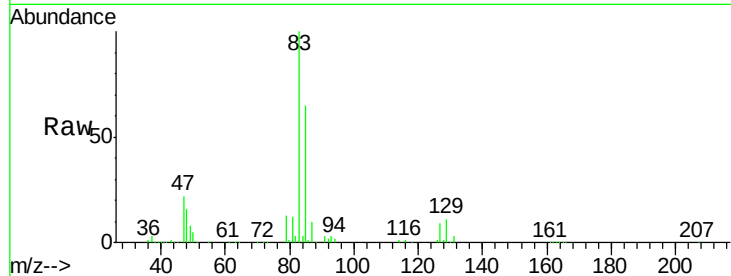
#47
Bromodichloromethane
Concen: 47.340 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	282193		
85	65.1		51.0	76.6
127	8.5		6.3	9.5

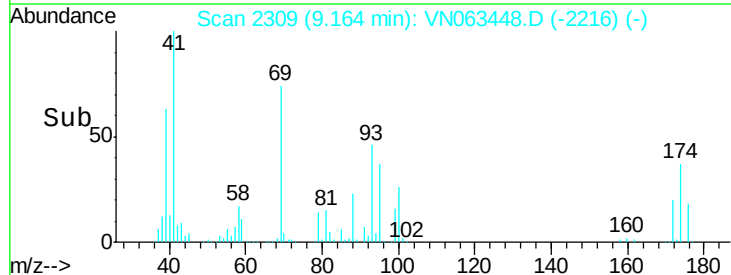
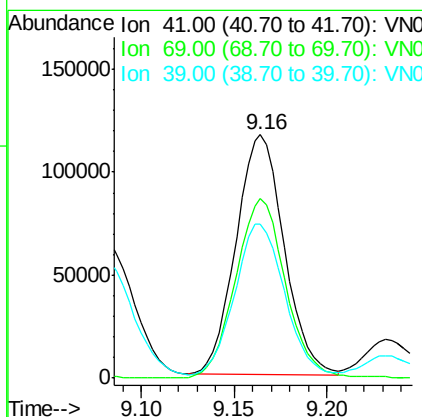
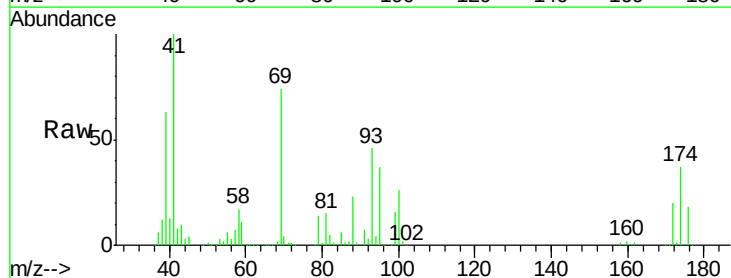
Manual Integrations
APPROVED

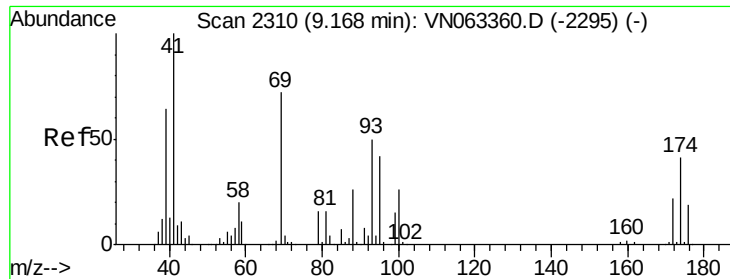
MMDadoda
9/21/2020 11:49:38 AM



#48
Methyl methacrylate
Concen: 43.498 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	210593		
69	78.1		59.3	88.9
39	67.6		52.9	79.3





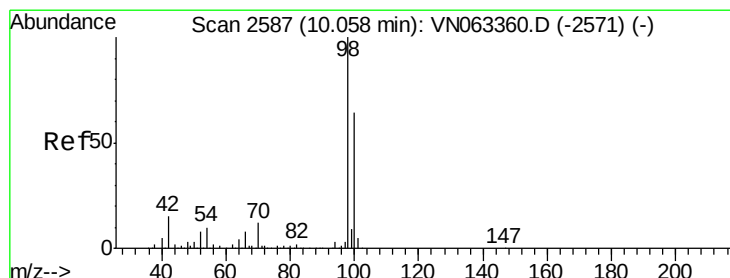
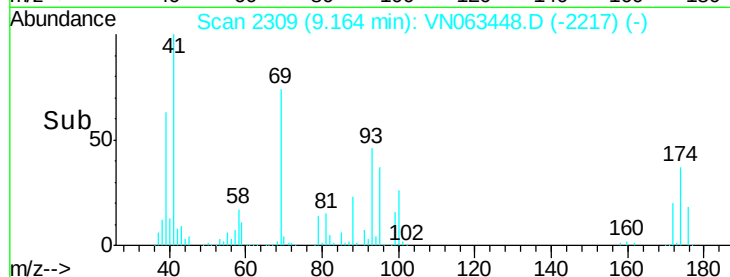
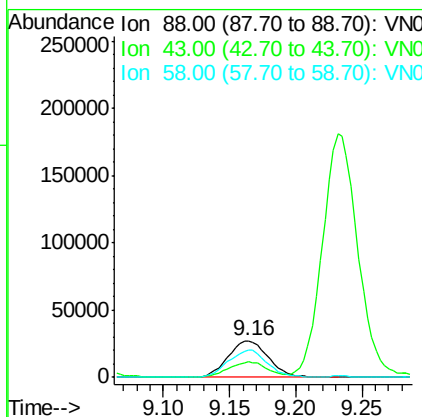
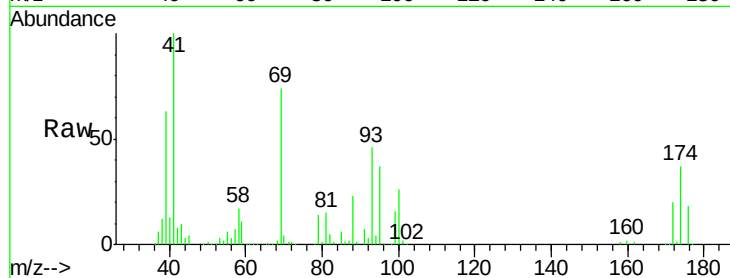
#49
1,4-Dioxane
Concen: 824.142 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.9	32.6	49.0
58	72.7	60.0	90.0

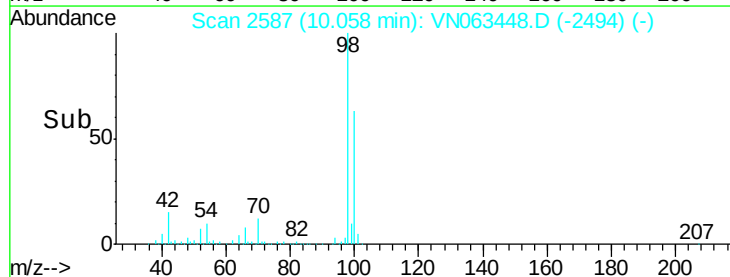
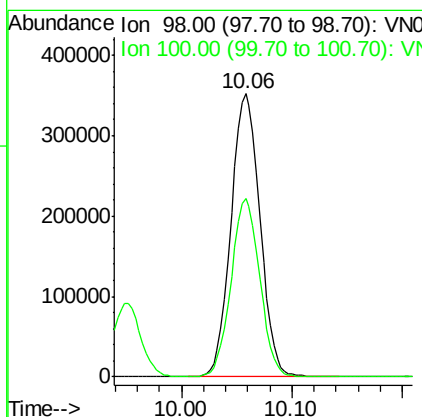
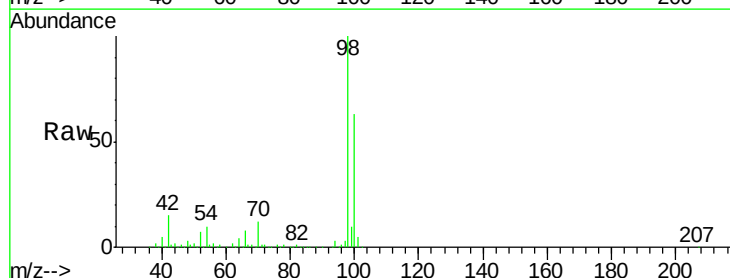
Manual Integrations
APPROVED

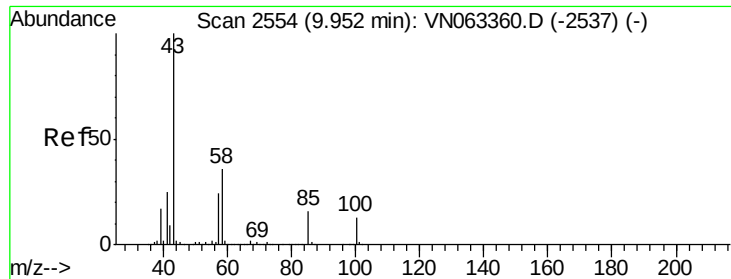
MMDadoda
9/21/2020 11:49:38 AM



#50
Toluene-d8
Concen: 46.956 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.0	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 223.907 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1235224

Ion Ratio Lower Upper

43 100

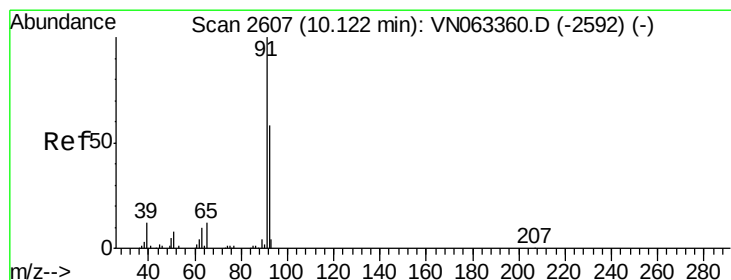
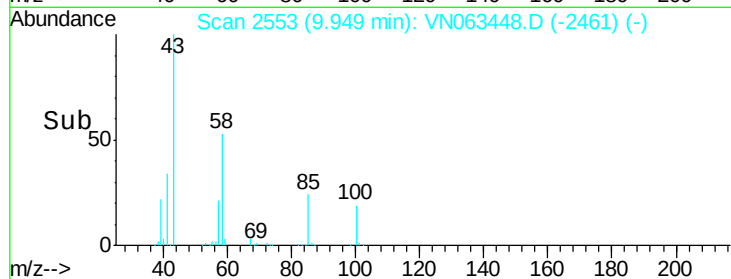
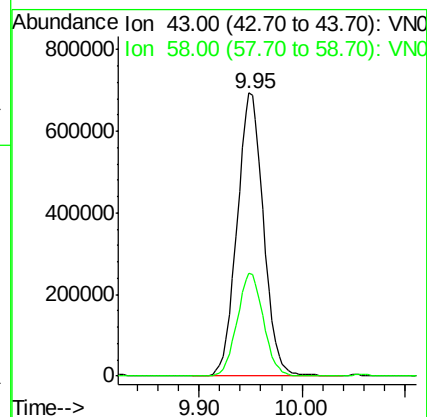
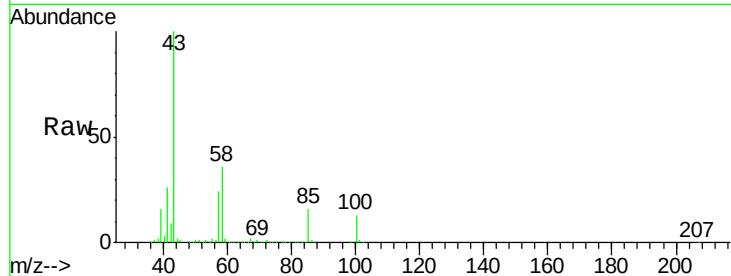
58 36.4 29.0 43.6

Manual Integrations

APPROVED

MMDadoda

9/21/2020 11:49:38 AM



#52

Toluene

Concen: 48.574 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063448.D

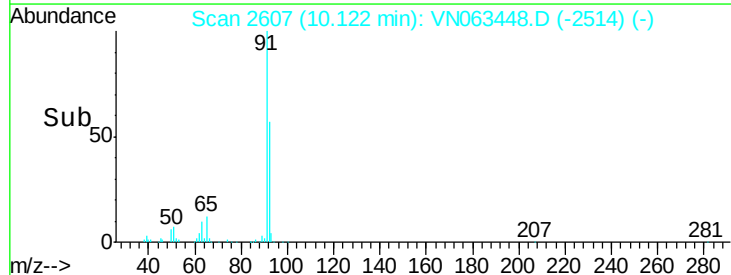
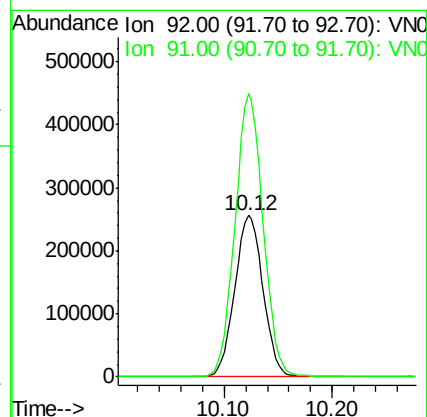
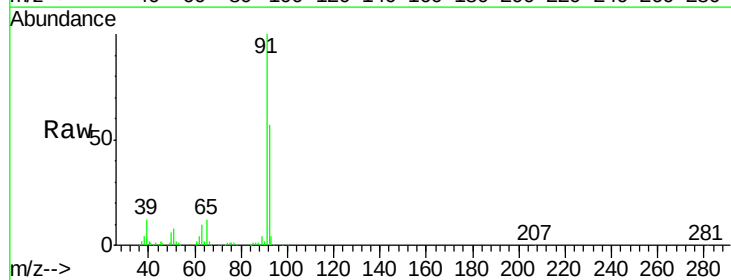
Acq: 18 Sep 2020 10:32

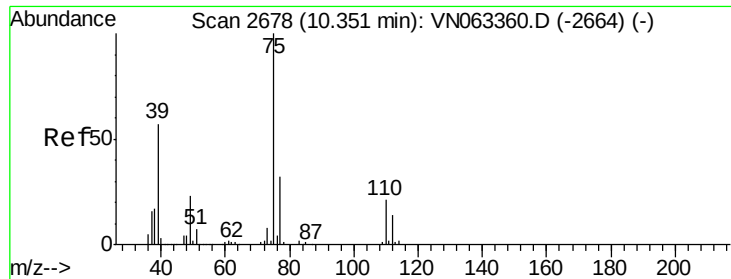
Tgt Ion: 92 Resp: 468113

Ion Ratio Lower Upper

92 100

91 174.6 139.7 209.5





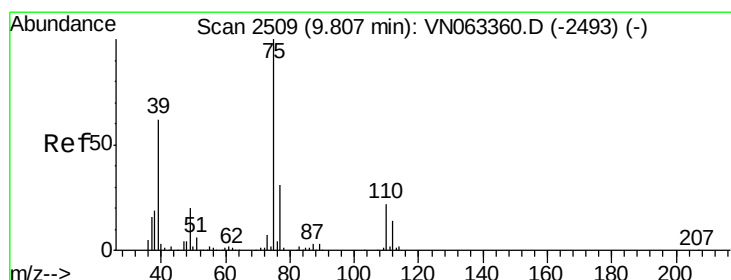
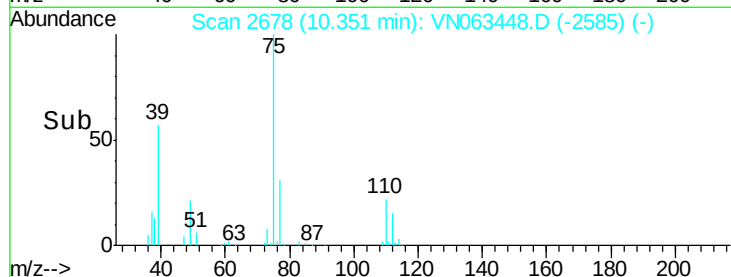
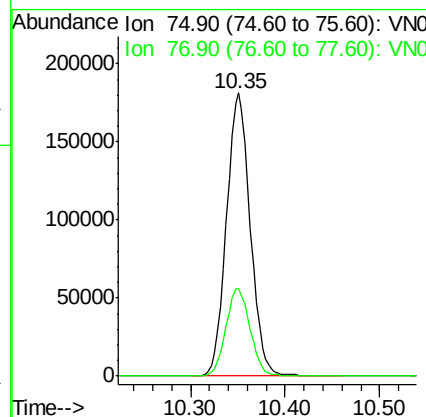
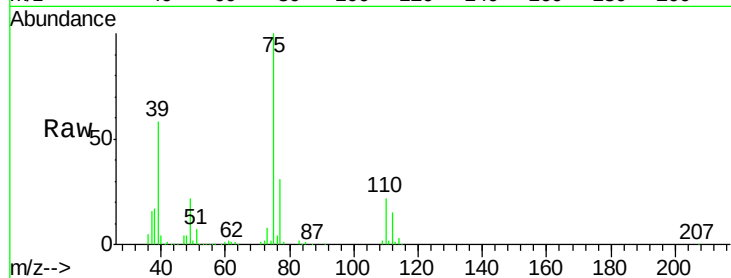
#53
t-1,3-Dichloropropene
Concen: 47.557 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 316476
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.2

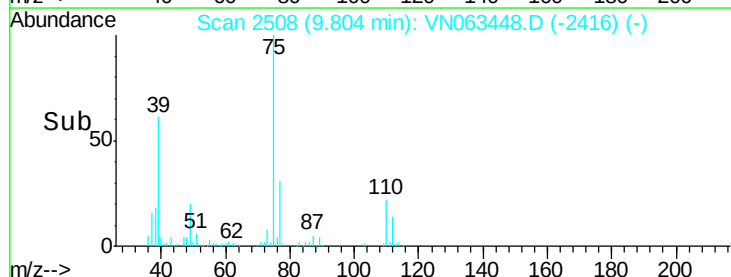
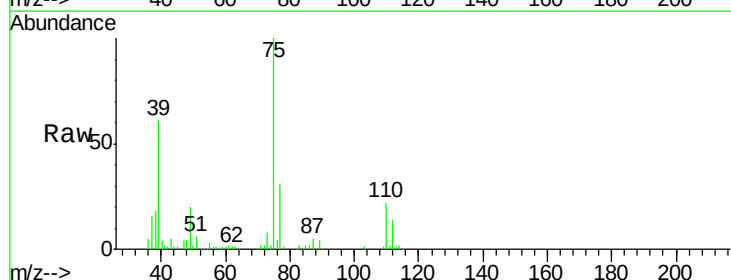
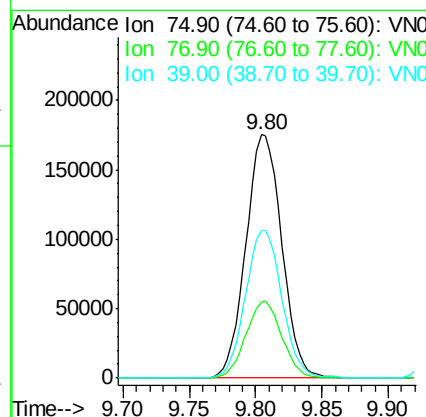
Manual Integrations
APPROVED

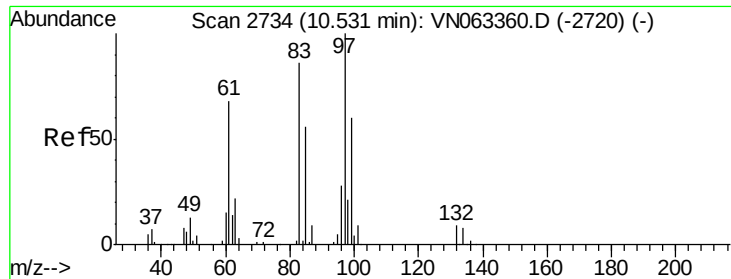
MMDadoda
9/21/2020 11:49:38 AM



#54
cis-1,3-Dichloropropene
Concen: 47.160 ug/l
RT: 9.80 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Tgt Ion: 75 Resp: 331032
Ion Ratio Lower Upper
75 100
77 31.0 24.6 37.0
39 60.6 49.8 74.8





#55

1,1,2-Trichloroethane

Concen: 47.272 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

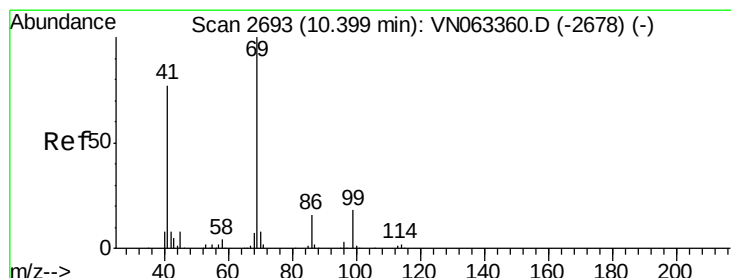
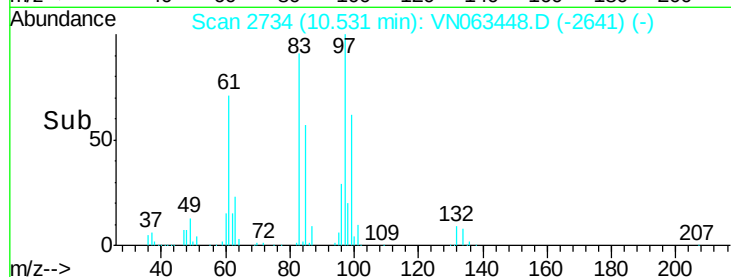
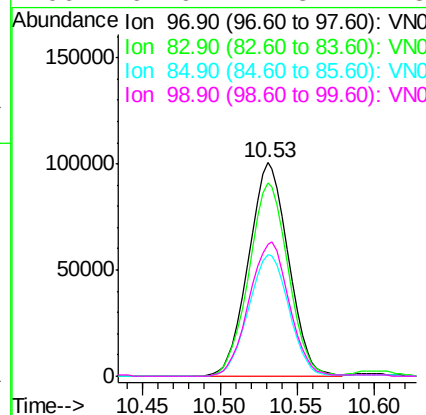
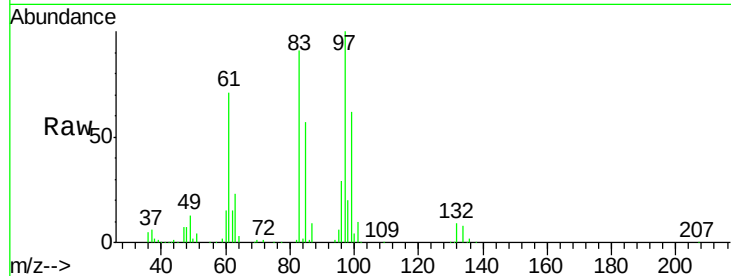
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	180953
Ion	Ratio	Lower	Upper
97	100		
83	90.8	68.9	103.3
85	56.9	44.8	67.2
99	61.9	47.8	71.8

Manual Integrations
APPROVED

MMDadoda
9/21/2020 11:49:38 AM



#56

Ethyl methacrylate

Concen: 47.025 ug/l

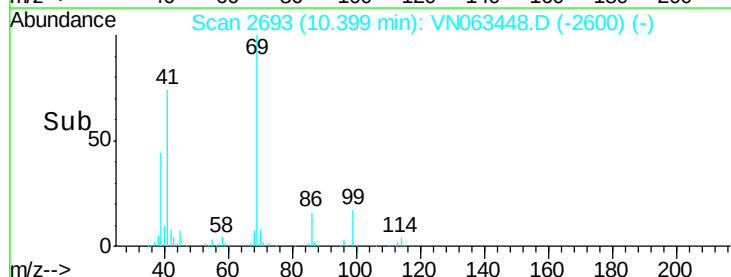
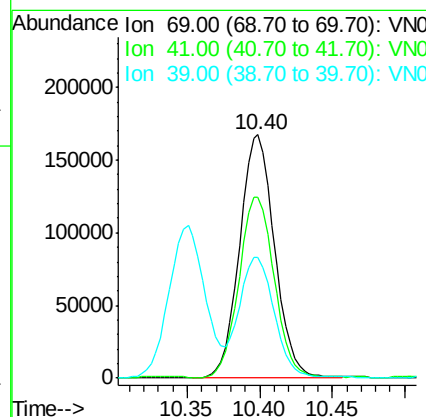
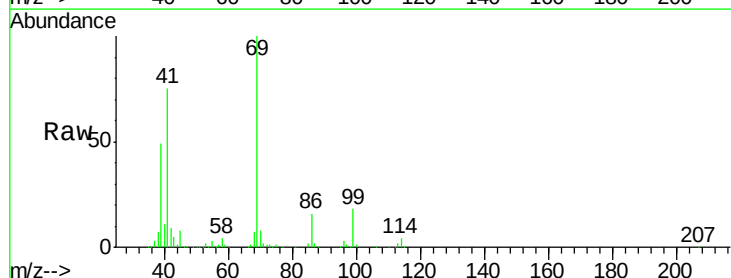
RT: 10.40 min Scan# 2693

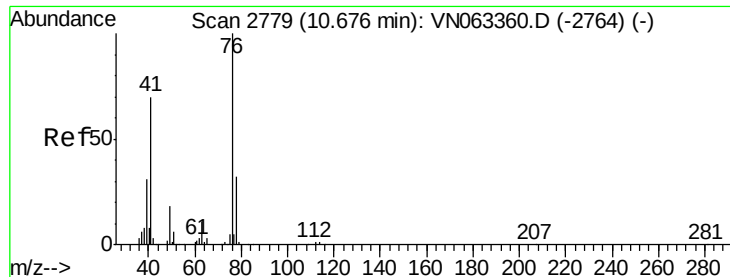
Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Tgt Ion:	69	Resp:	281015
Ion	Ratio	Lower	Upper
69	100		
41	74.7	61.0	91.6
39	48.6	39.2	58.8





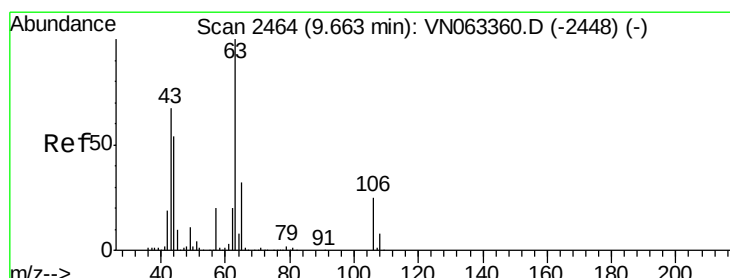
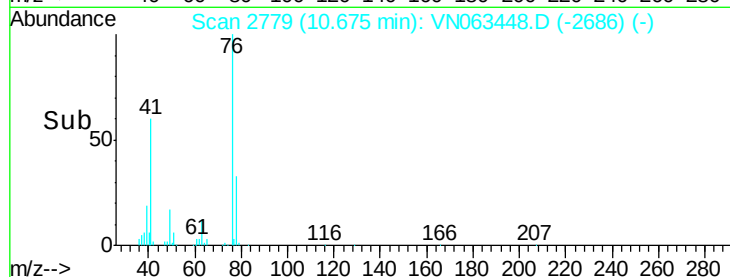
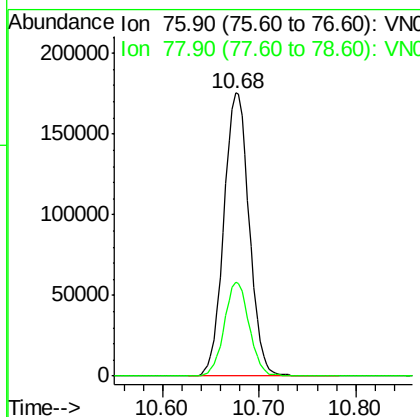
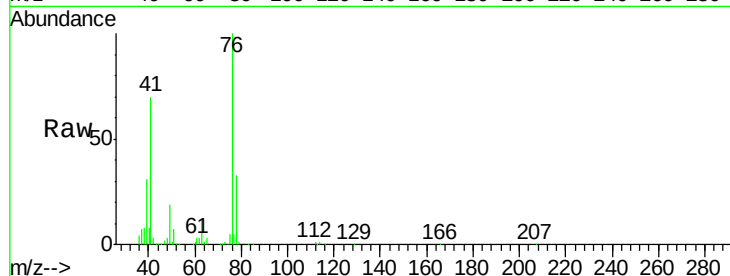
#57
 1,3-Dichloropropane
 Concen: 46.241 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN063448.D
 Acq: 18 Sep 2020 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.8

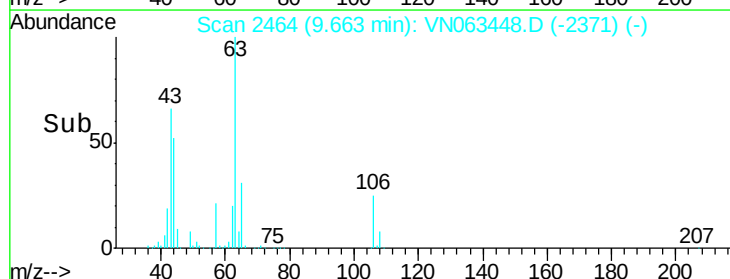
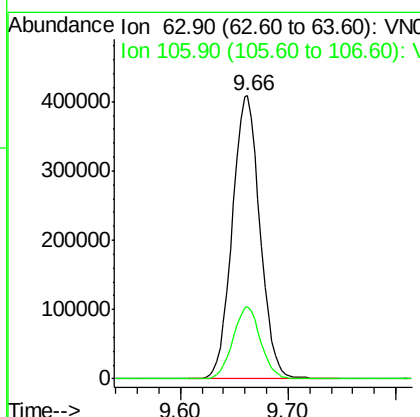
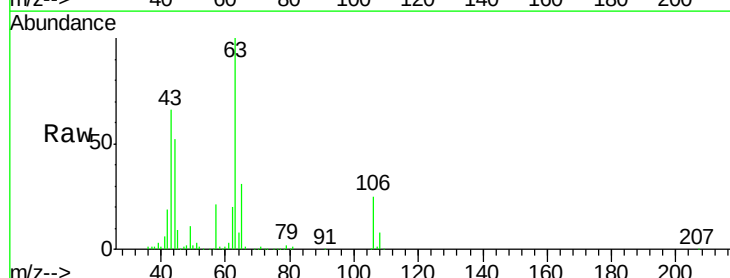
Manual Integrations
 APPROVED

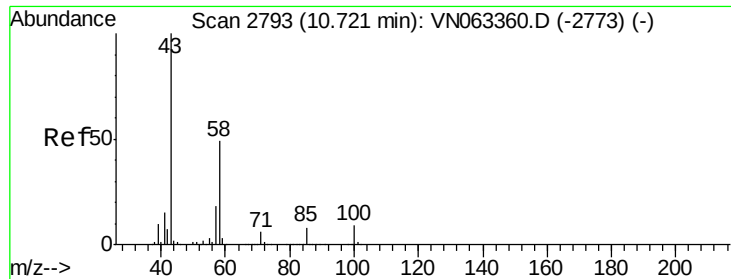
MMDadoda
 9/21/2020 11:49:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 232.023 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063448.D
 Acq: 18 Sep 2020 10:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.3	19.5	29.3





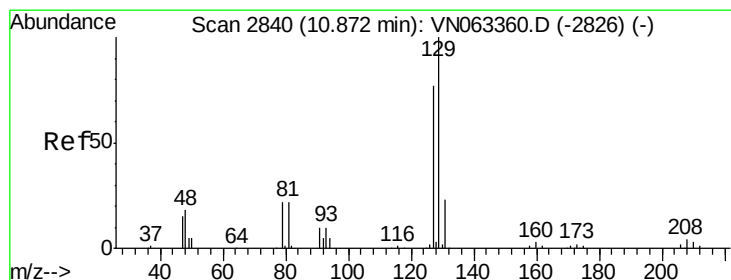
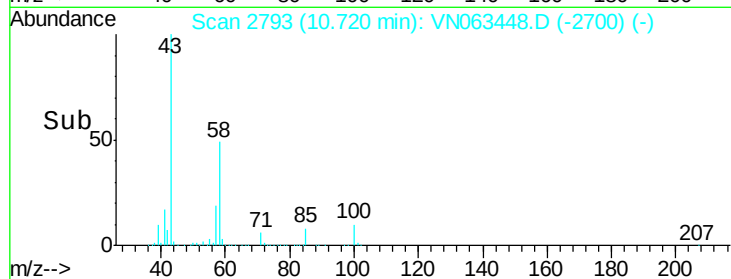
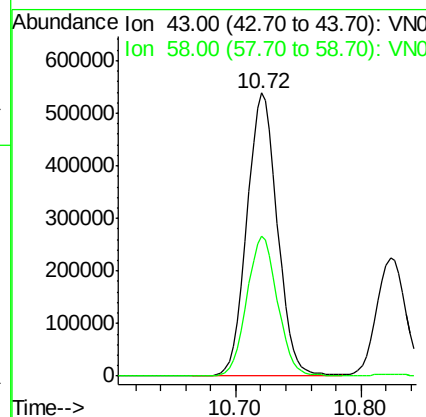
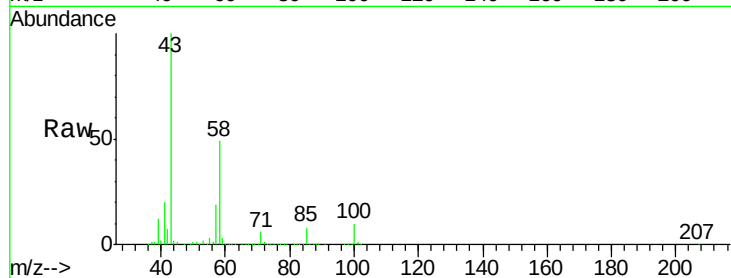
#59
2-Hexanone
Concen: 227.525 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 909349
Ion Ratio Lower Upper
43 100
58 49.9 24.7 74.1

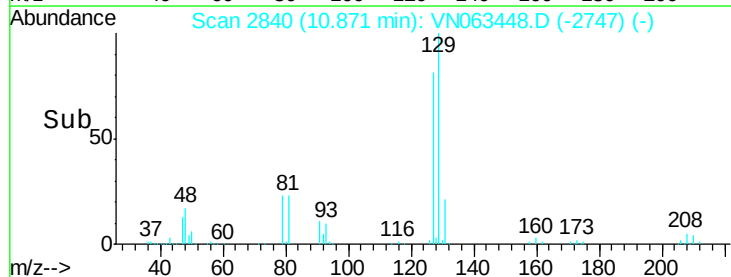
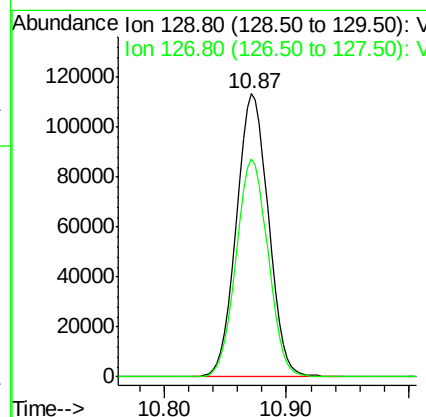
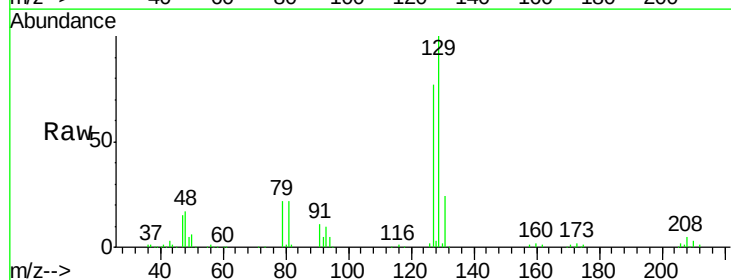
Manual Integrations
APPROVED

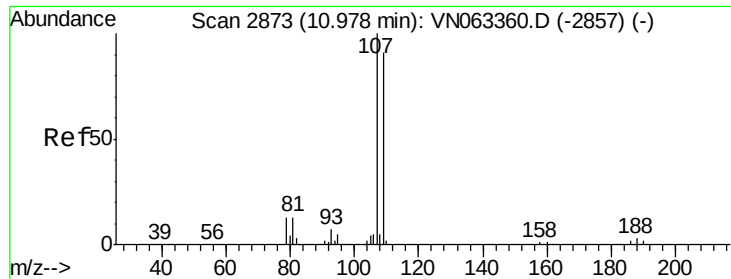
MMDadoda
9/21/2020 11:49:38 AM



#60
Dibromochloromethane
Concen: 47.821 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Tgt Ion: 129 Resp: 206804
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.3





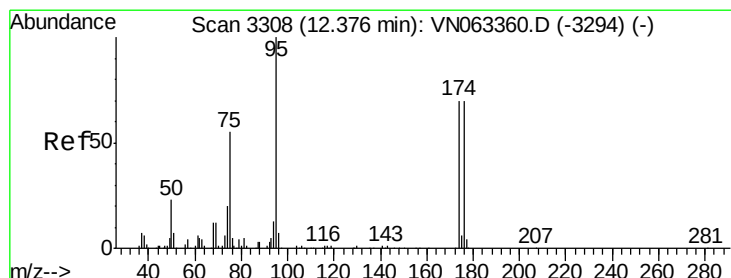
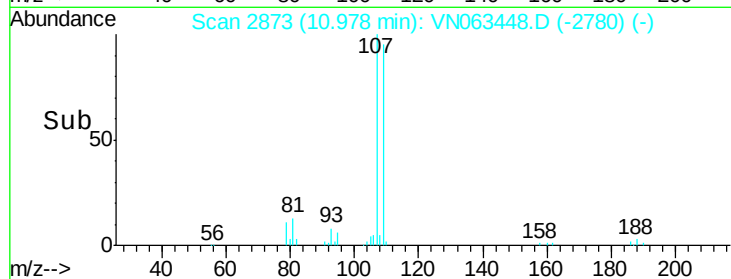
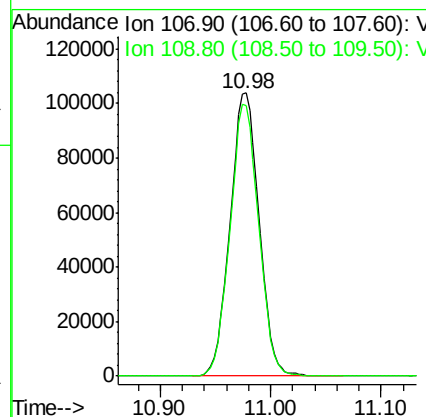
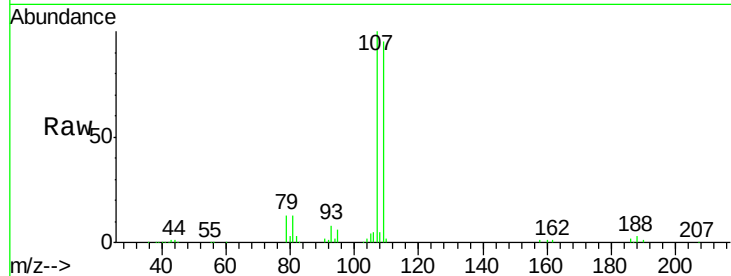
#61
 1,2-Dibromoethane
 Concen: 47.634 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063448.D
 Acq: 18 Sep 2020 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	74.6	111.8

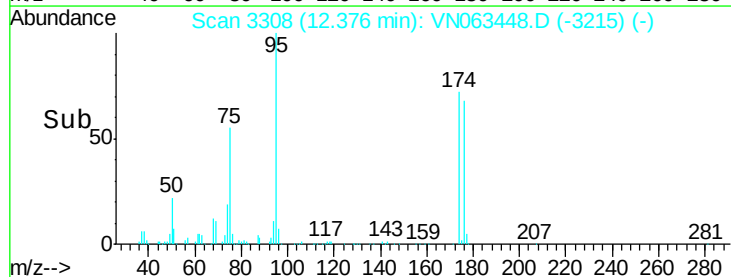
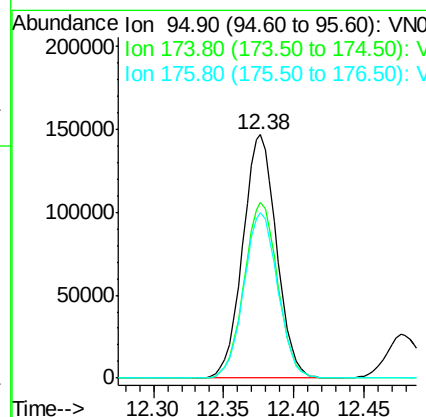
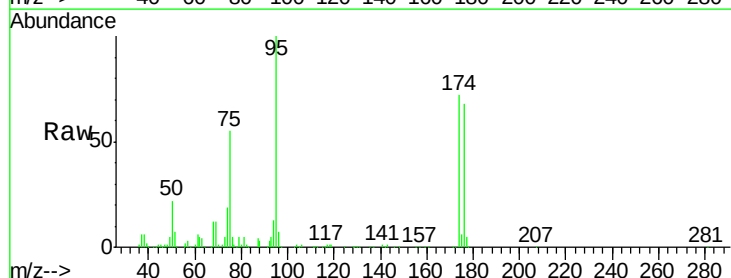
Manual Integrations
 APPROVED

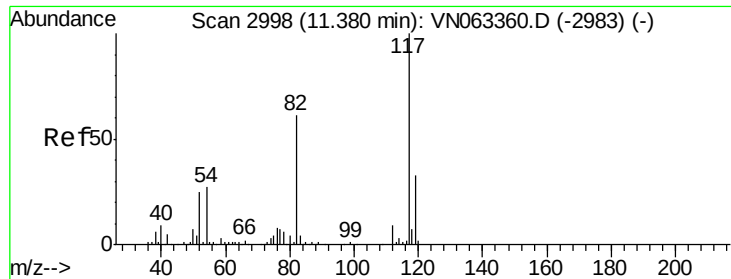
MMDadoda
 9/21/2020 11:49:38 AM



#62
 4-Bromofluorobenzene
 Concen: 48.921 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063448.D
 Acq: 18 Sep 2020 10:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	140.8
176	68.6	0.0	137.6





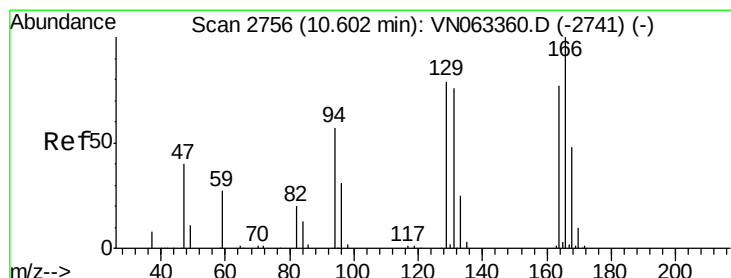
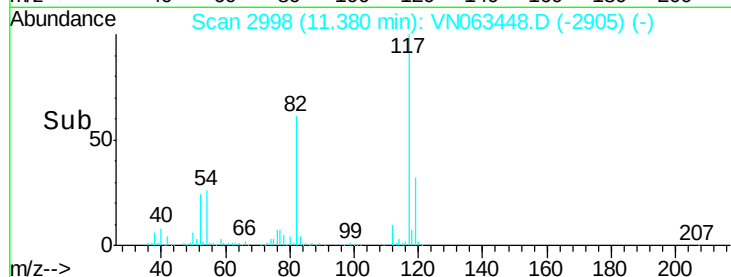
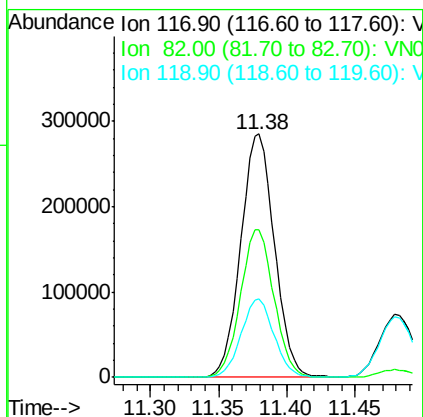
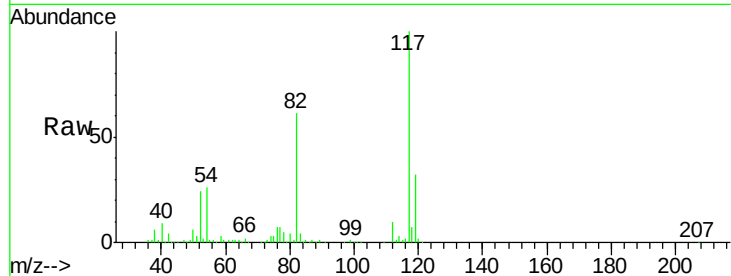
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	488705		
82	60.6		49.2	73.8
119	32.0		26.2	39.4

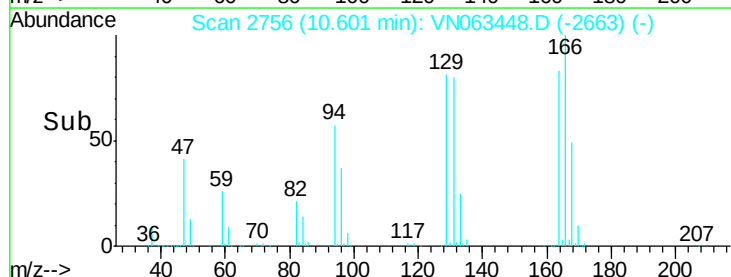
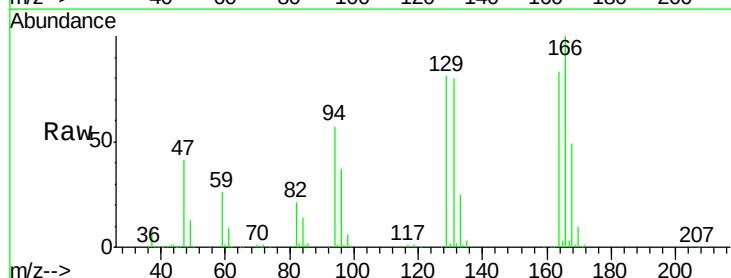
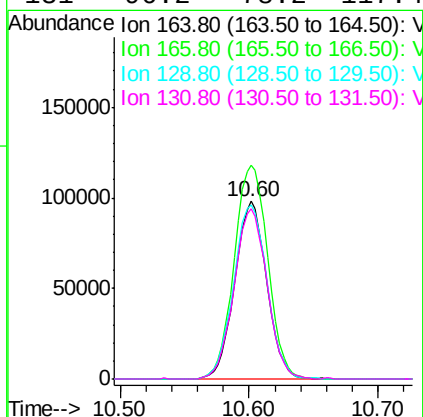
Manual Integrations
APPROVED

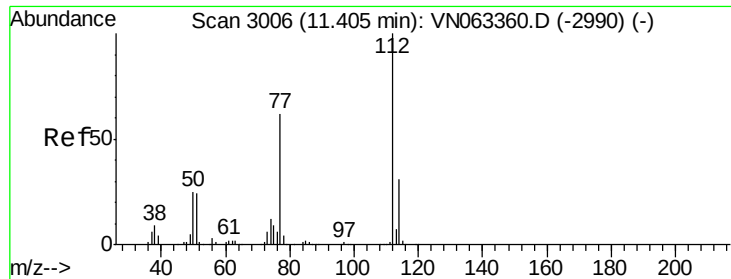
MMDadoda
9/21/2020 11:49:38 AM



#64
Tetrachloroethene
Concen: 50.770 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	168950		
166	120.3		103.4	155.0
129	98.1		81.8	122.6
131	96.2		78.2	117.4





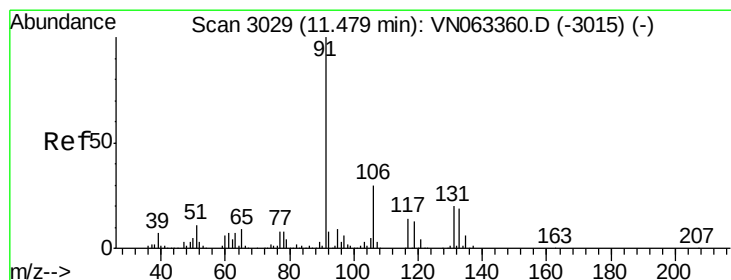
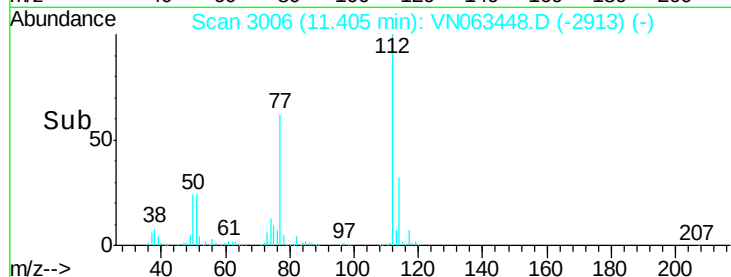
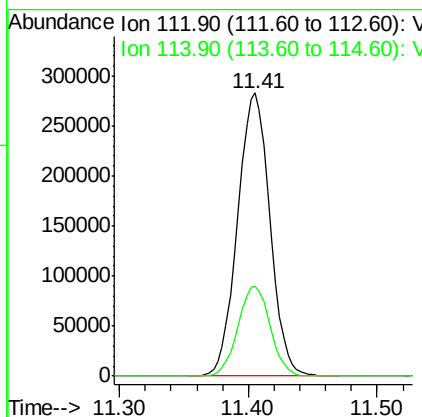
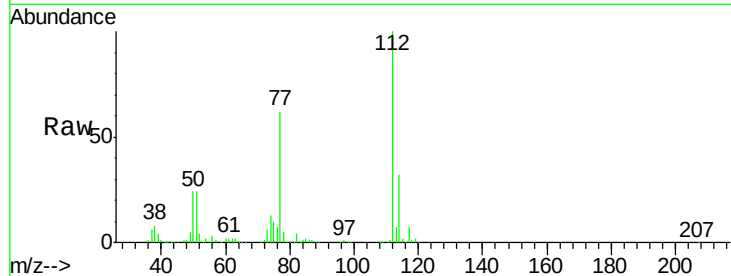
#65
Chlorobenzene
Concen: 47.622 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 494020
Ion Ratio Lower Upper
112 100
114 31.8 25.0 37.6

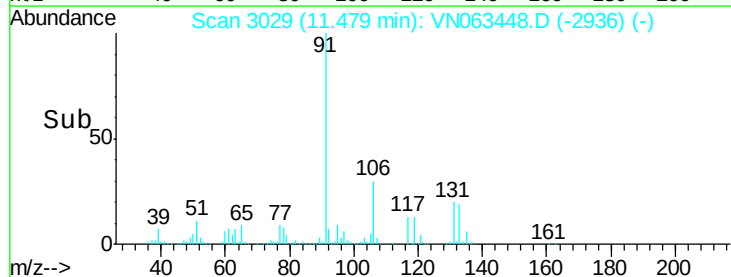
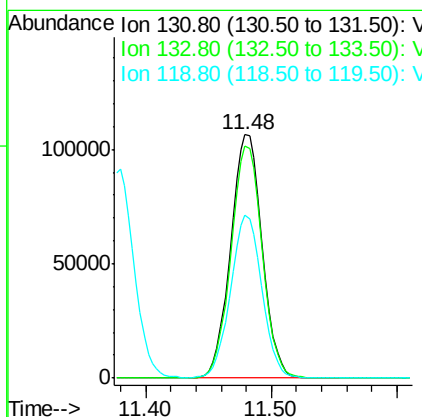
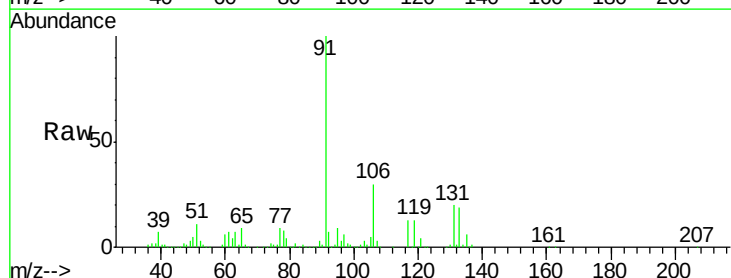
Manual Integrations
APPROVED

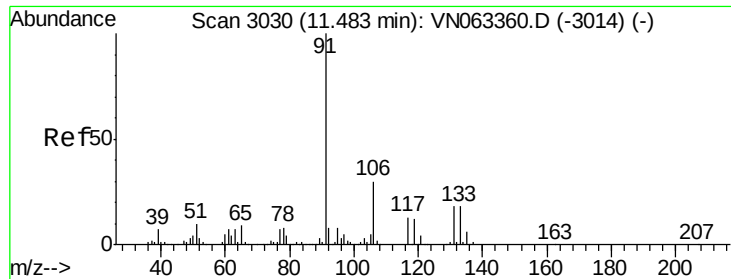
MMDadoda
9/21/2020 11:49:38 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.641 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Tgt Ion:131 Resp: 184966
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.9
119 66.2 33.6 100.8





#67

Ethyl Benzene

Concen: 47.753 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 932895

Ion Ratio Lower Upper

91 100

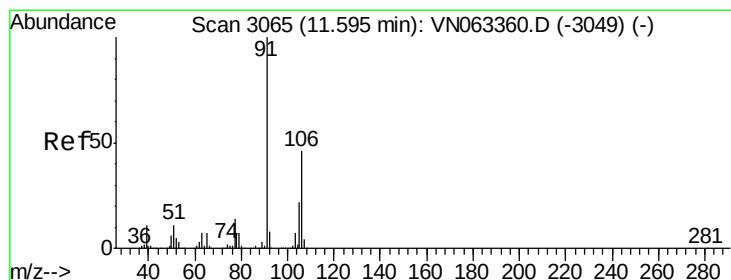
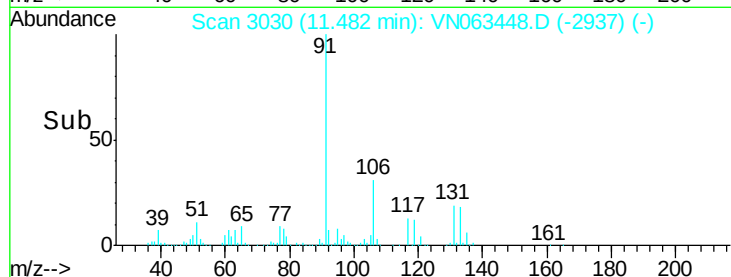
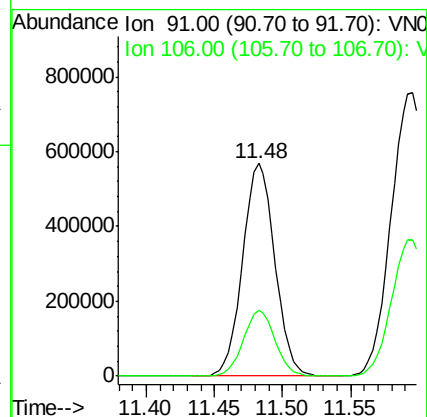
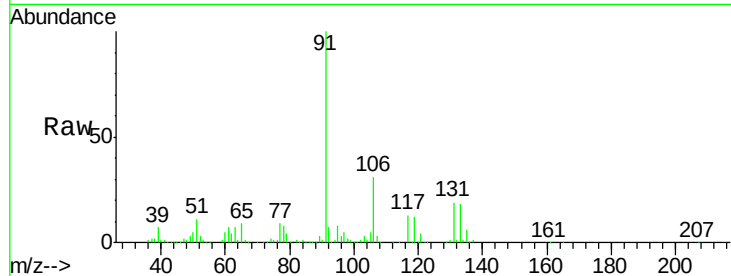
106 30.7 23.8 35.6

Manual Integrations

APPROVED

MMDadoda

9/21/2020 11:49:38 AM



#68

m/p-Xylenes

Concen: 98.731 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN063448.D

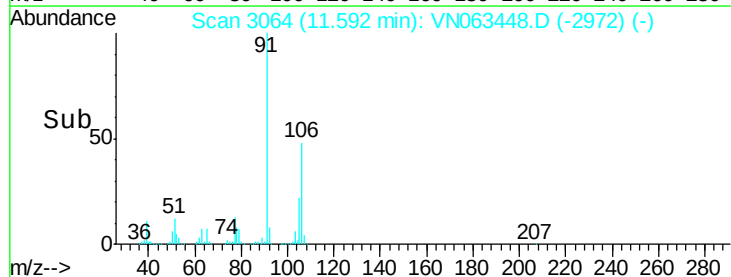
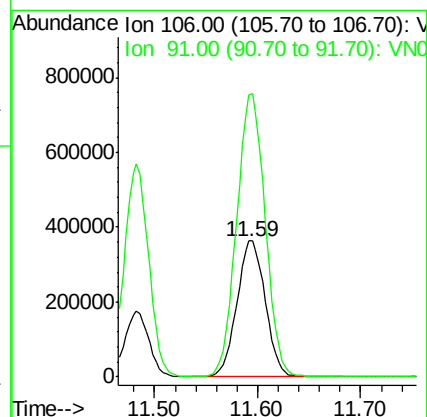
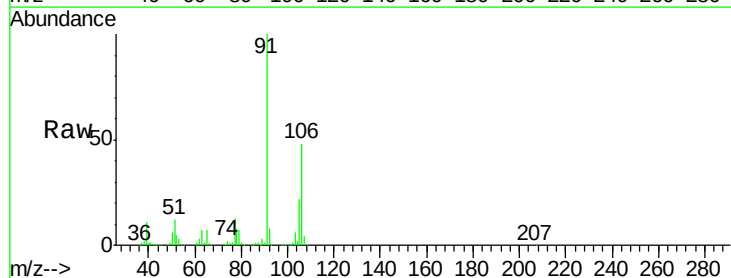
Acq: 18 Sep 2020 10:32

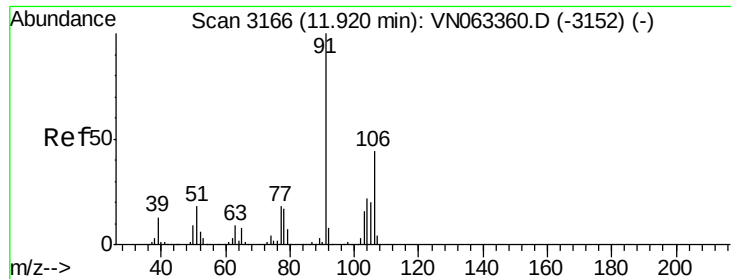
Tgt Ion: 106 Resp: 695432

Ion Ratio Lower Upper

106 100

91 209.8 171.2 256.8





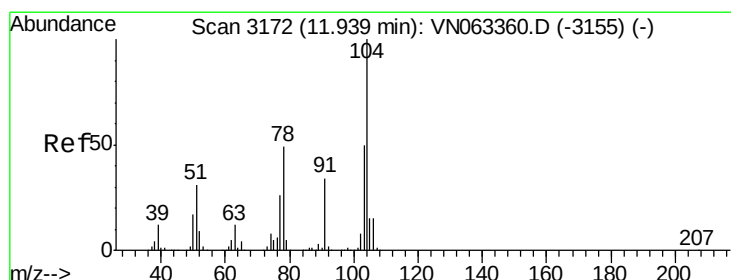
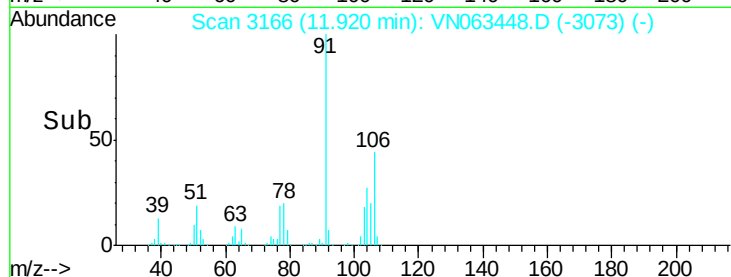
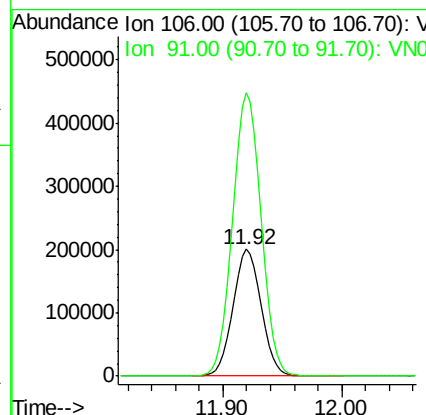
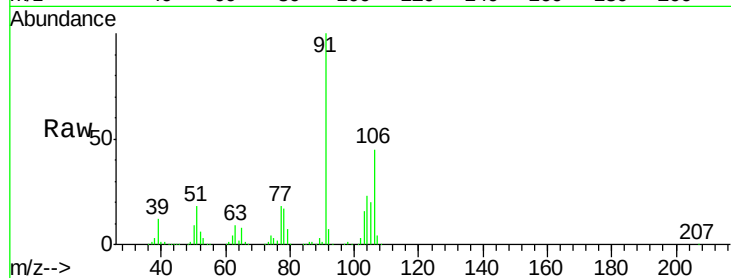
#69
o-Xylene
Concen: 49.120 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	226.0	113.6	329586	340.8	

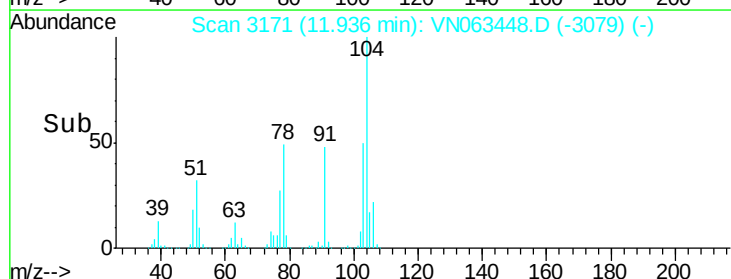
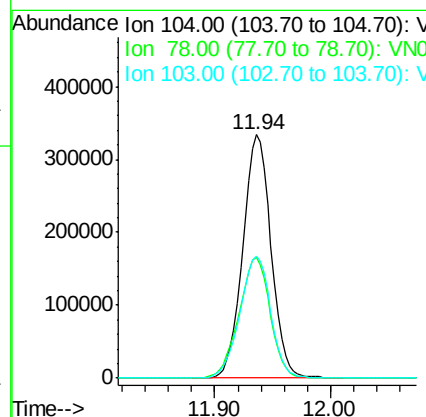
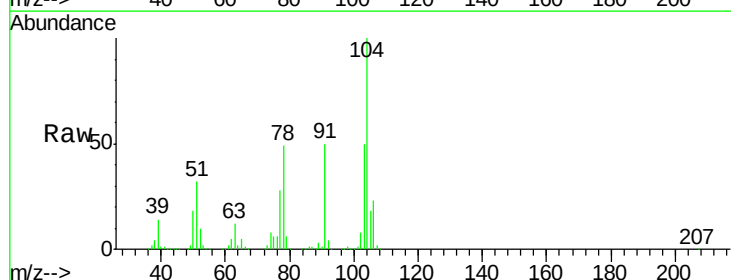
Manual Integrations
APPROVED

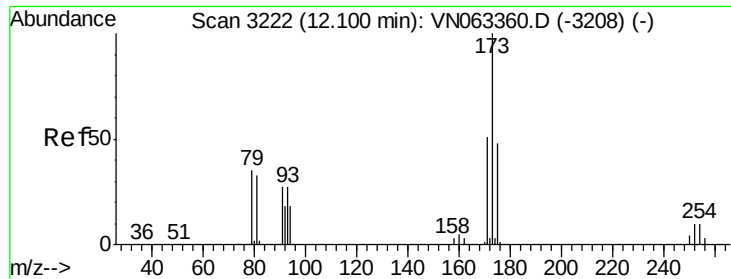
MMDadoda
9/21/2020 11:49:38 AM



#70
Styrene
Concen: 50.054 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	54.7	44.4	563217	66.6	
103	54.9	43.7		65.5	





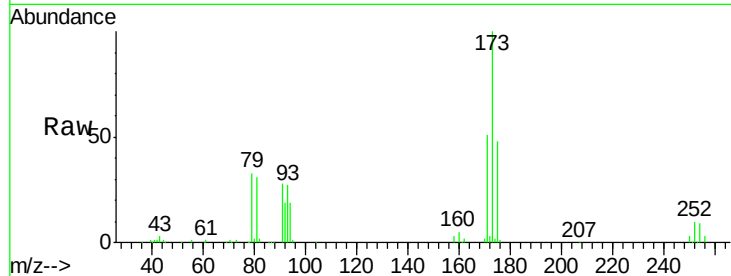
#71
Bromoform
Concen: 47.864 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
9/21/2020 11:49:38 AM

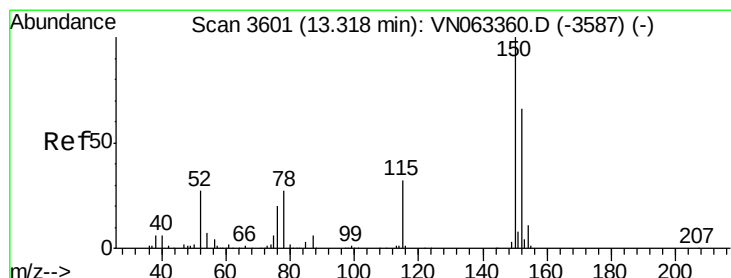
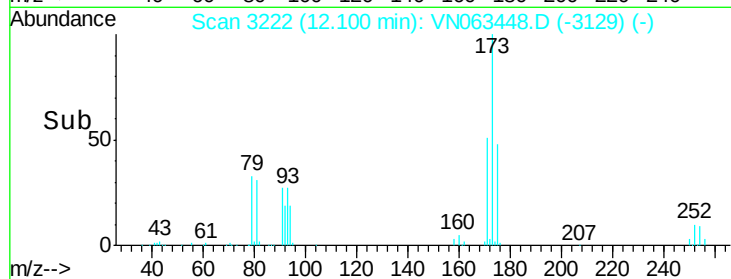
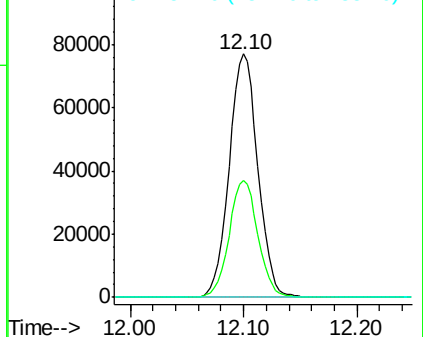


Abundance

Ion 172.70 (172.40 to 173.40): V

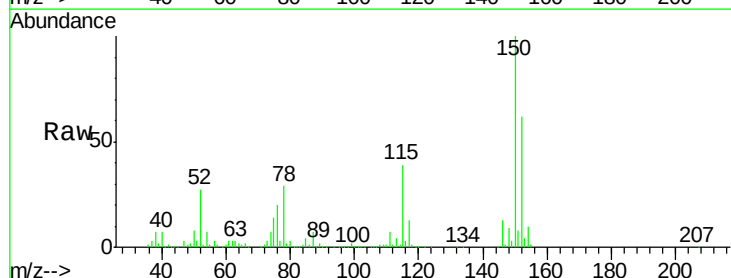
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.8	32.2	96.6
150	173.1	0.0	343.4

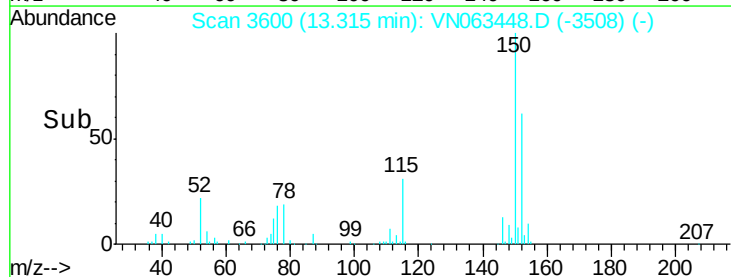
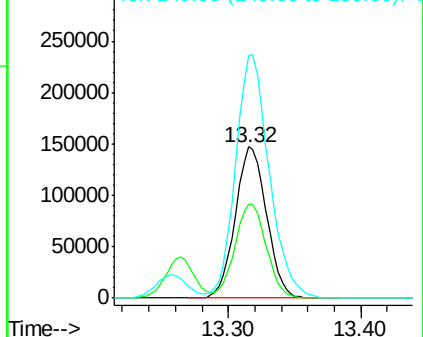


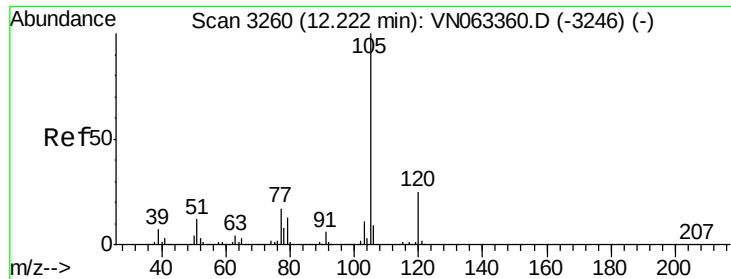
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.795 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 903724

Ion Ratio Lower Upper

105 100

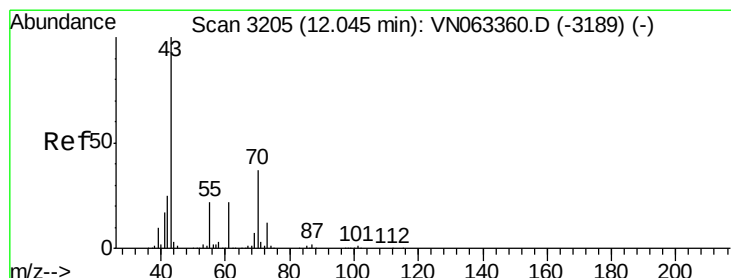
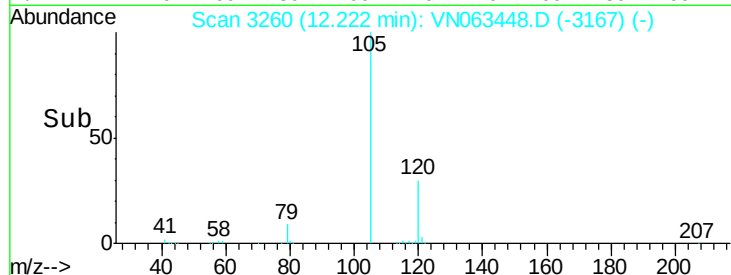
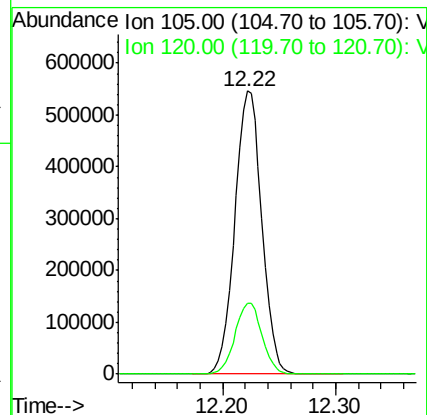
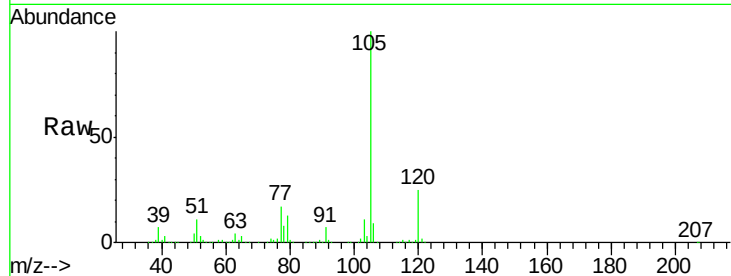
120 25.4 12.7 38.0

Manual Integrations

APPROVED

MMDadoda

9/21/2020 11:49:38 AM



#74

N-ethyl acetate

Concen: 43.530 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Tgt Ion: 43 Resp: 397950

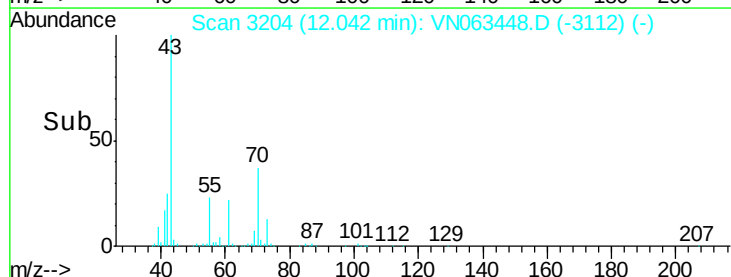
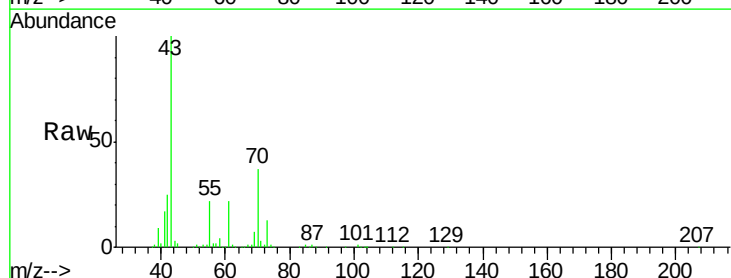
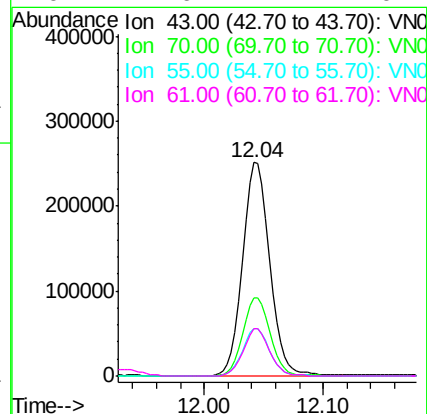
Ion Ratio Lower Upper

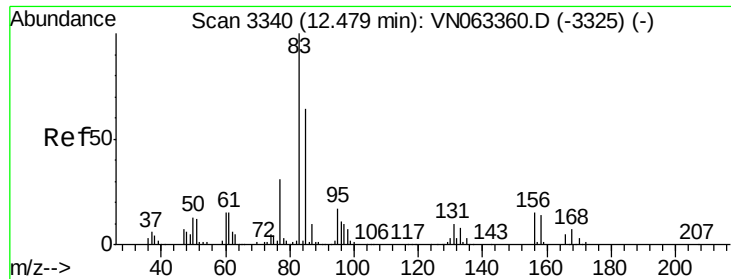
43 100

70 37.2 29.6 44.4

55 22.2 17.7 26.5

61 21.6 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 42.487 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

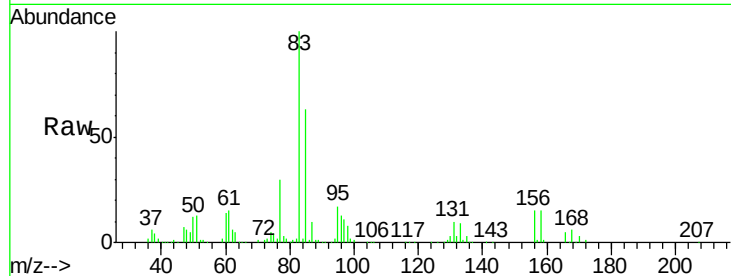
ClientSampled :

VSTDCCC050

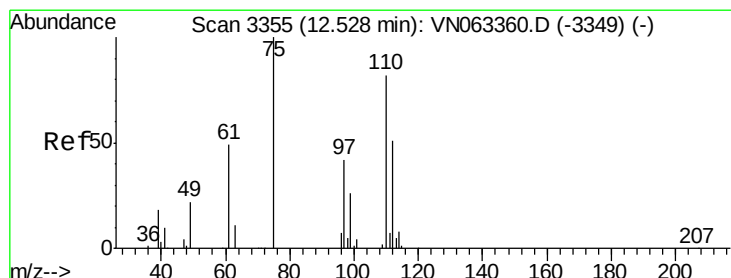
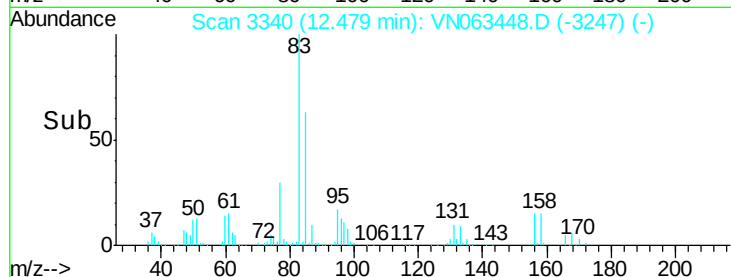
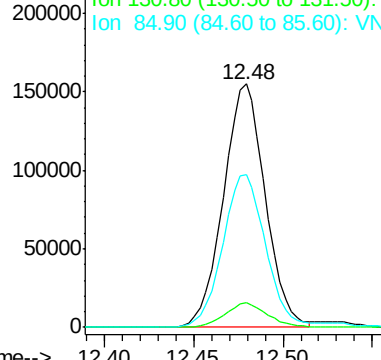
Tot Ion:	83	Resp:	254063
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.7
85	64.1	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
9/21/2020 11:49:38 AM



Abundance Ion 82.90 (82.60 to 83.60): VN063360.D (-3325) (-)



#76

1,2,3-Trichloropropane

Concen: 45.870 ug/l m

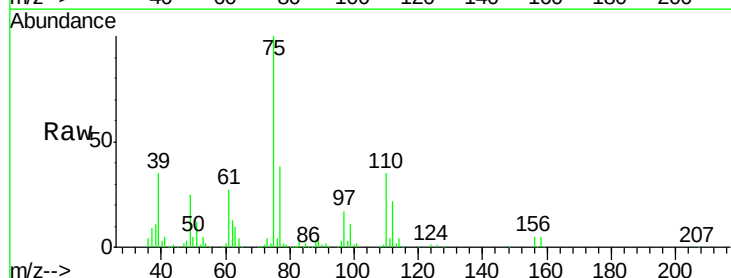
RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

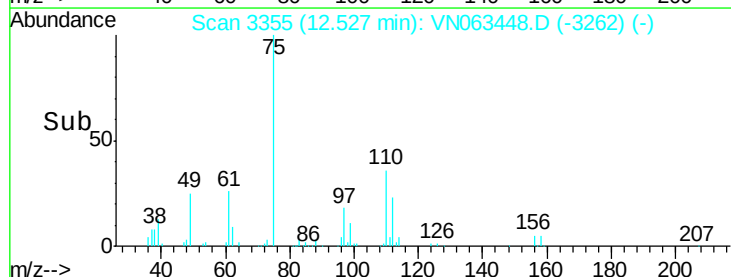
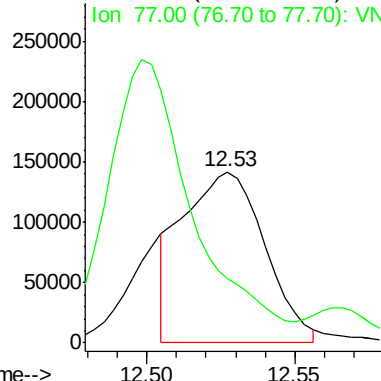
Lab File: VN063448.D

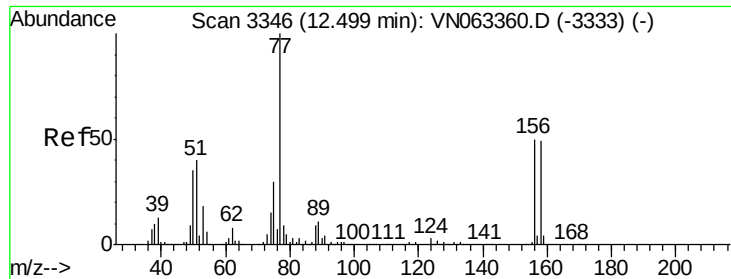
Acq: 18 Sep 2020 10:32

Tgt Ion:	75	Resp:	273620
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-3349) (-)





#77

Bromobenzene

Concen: 47.916 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

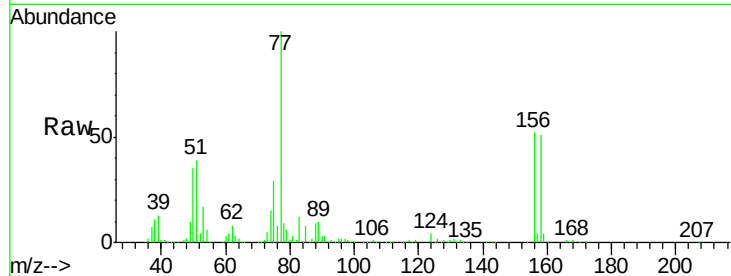
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	208157
Ion Ratio	Lower	Upper	
156	100		
77	227.4	120.2	360.6
158	96.5	48.9	146.6

Manual Integrations
APPROVED

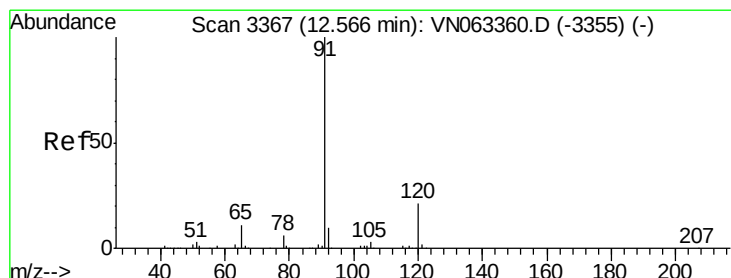
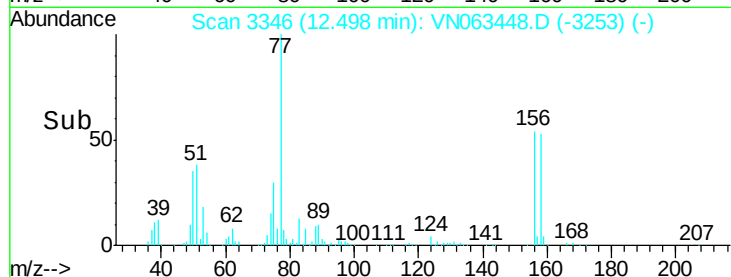
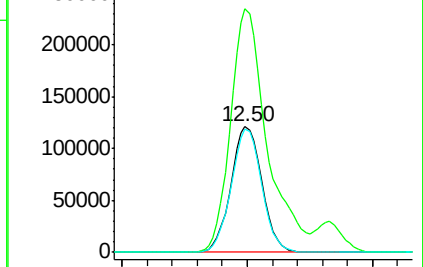
MMDadoda
9/21/2020 11:49:38 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.282 ug/l

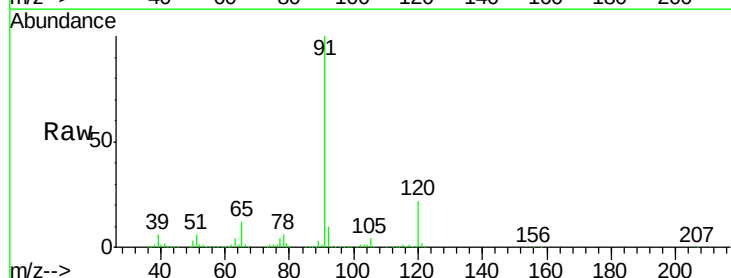
RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063448.D

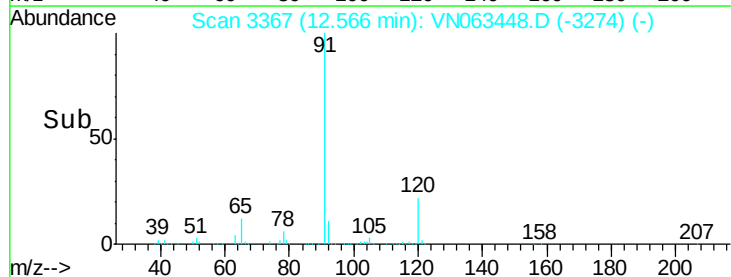
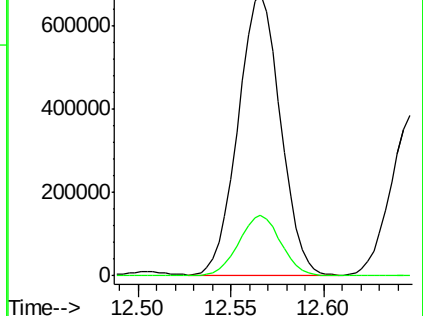
Acq: 18 Sep 2020 10:32

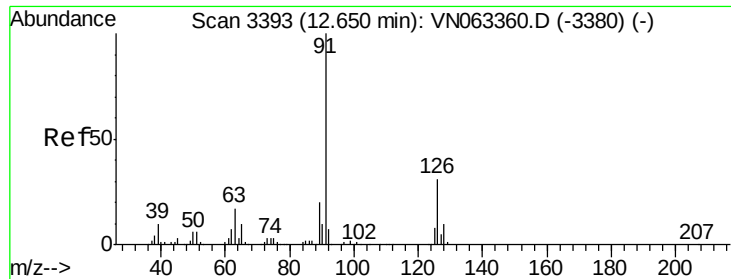
Tgt Ion:	91	Resp:	1063536
Ion Ratio	Lower	Upper	
91	100		
120	21.7	10.8	32.3



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.962 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 633225

Ion Ratio Lower Upper

91 100

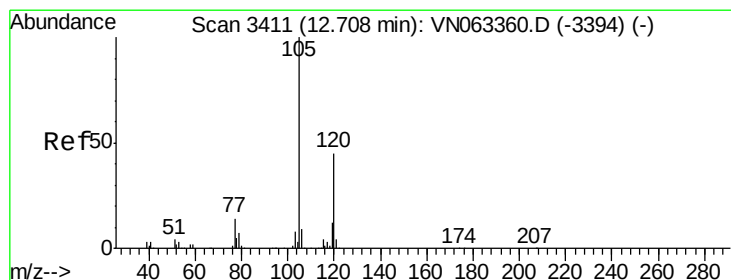
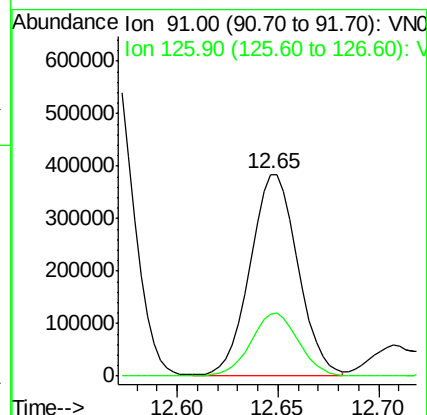
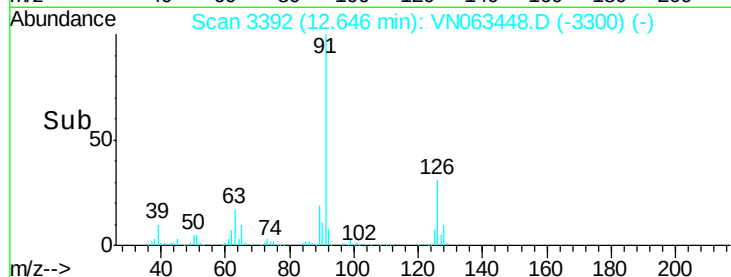
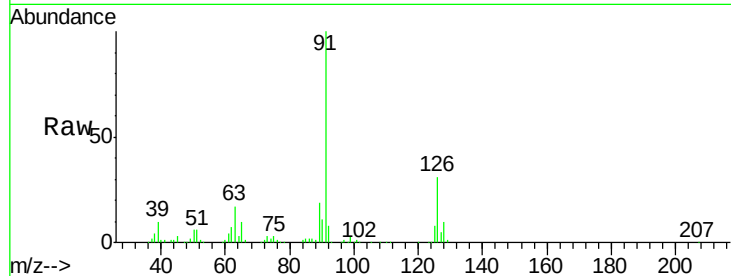
126 31.4 15.8 47.3

Manual Integrations

APPROVED

MMDadoda

9/21/2020 11:49:38 AM



#80

1,3,5-Trimethylbenzene

Concen: 47.243 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063448.D

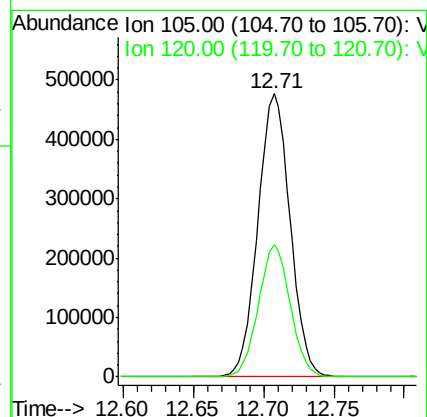
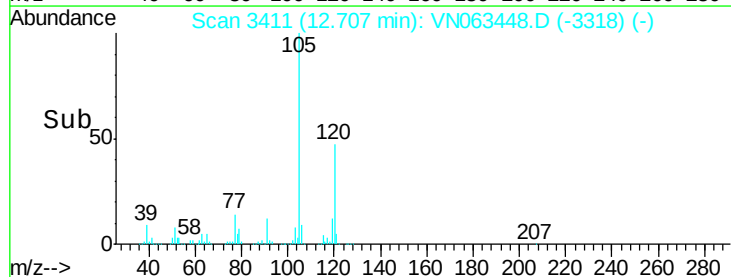
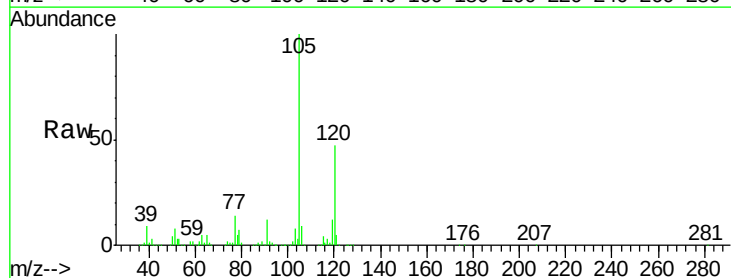
Acq: 18 Sep 2020 10:32

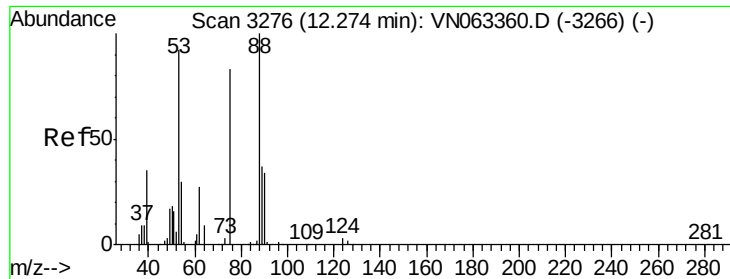
Tgt Ion: 105 Resp: 760816

Ion Ratio Lower Upper

105 100

120 46.3 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 43.294 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

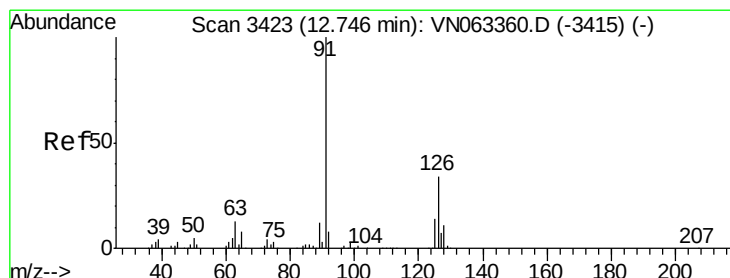
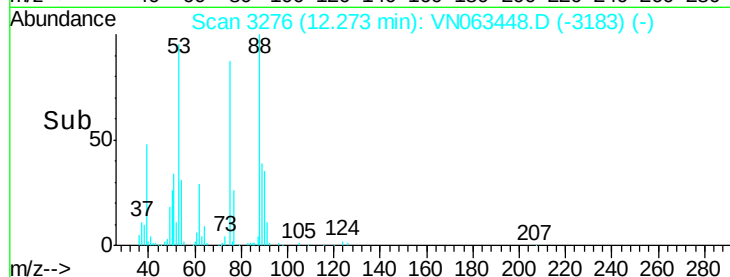
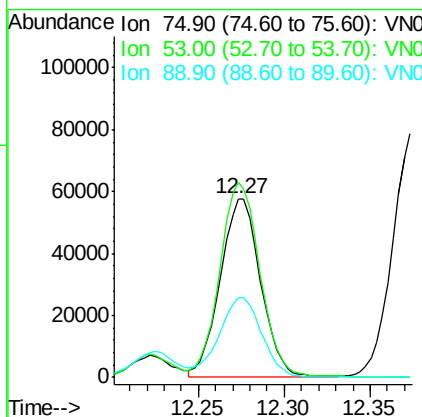
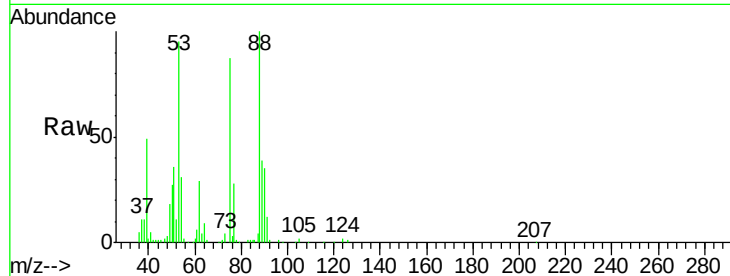
ClientSampled :

VSTDCCC050

Tot Ion:	75	Resp:	94198
Ion	Ratio	Lower	Upper
75	100		
53	107.6	85.7	128.5
89	47.6	38.0	57.0

Manual Integrations
APPROVED

MMDadoda
9/21/2020 11:49:38 AM



#82

4-Chlorotoluene

Concen: 47.234 ug/l

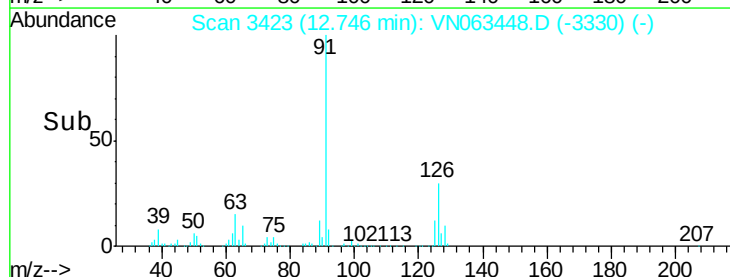
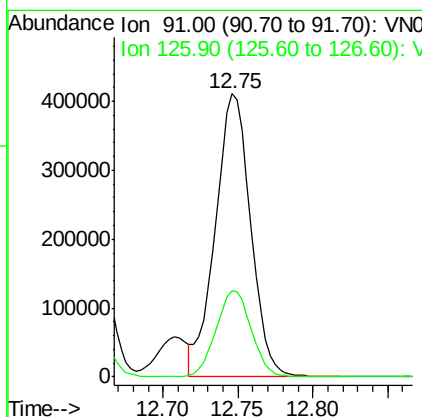
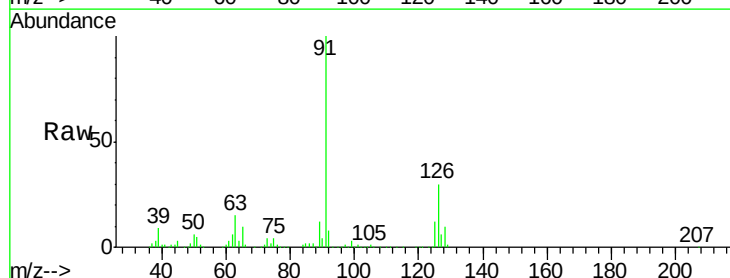
RT: 12.75 min Scan# 3423

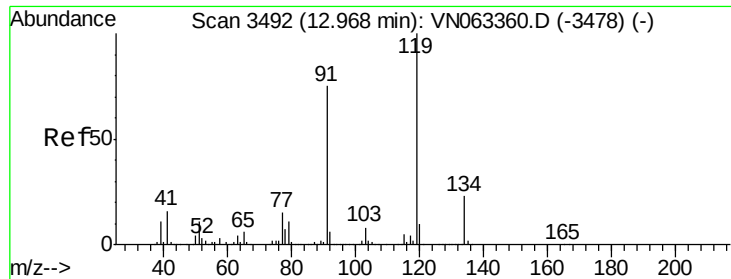
Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Tgt Ion:	91	Resp:	672935
Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.5	46.5





#83

tert-Butylbenzene

Concen: 46.474 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

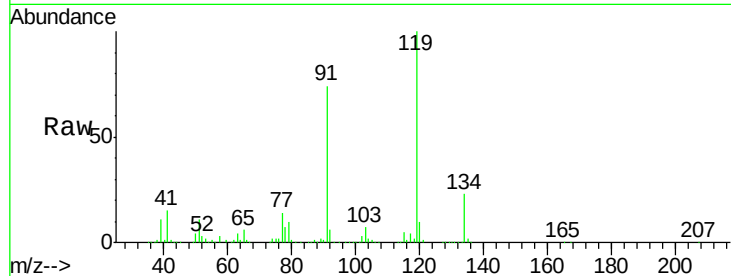
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	617709
Ion Ratio	Lower	Upper	
119	100		
91	72.5	36.3	108.9
134	23.0	12.3	36.8

Manual Integrations
APPROVED

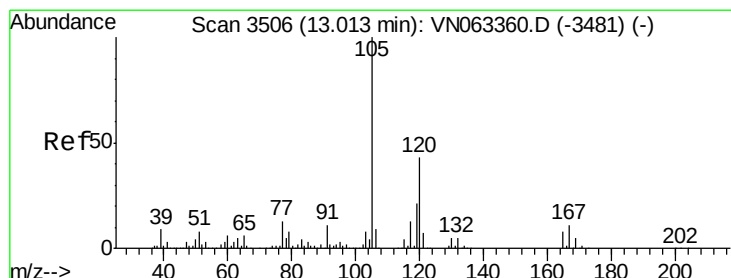
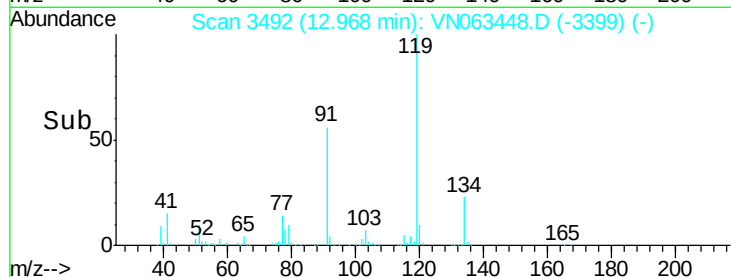
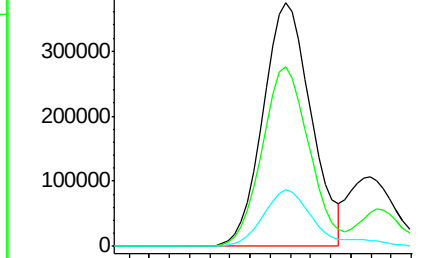
MMDadoda
9/21/2020 11:49:38 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.050 ug/l

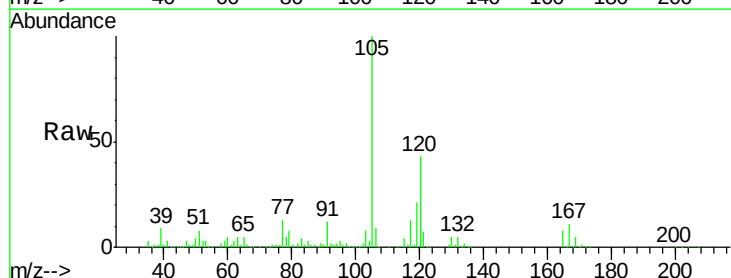
RT: 13.01 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN063448.D

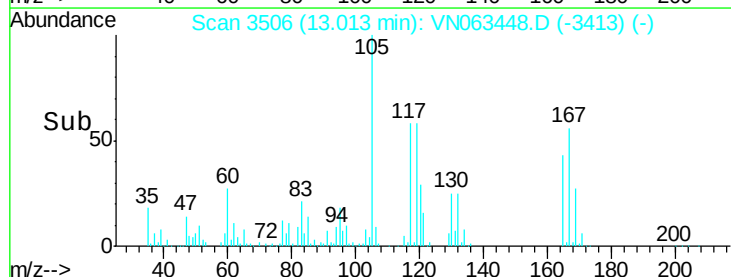
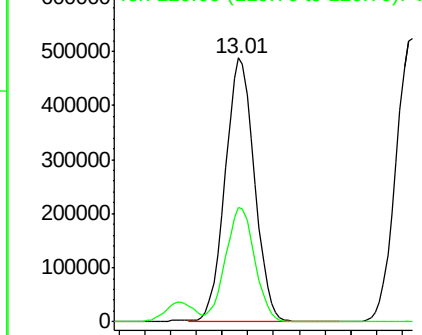
Acq: 18 Sep 2020 10:32

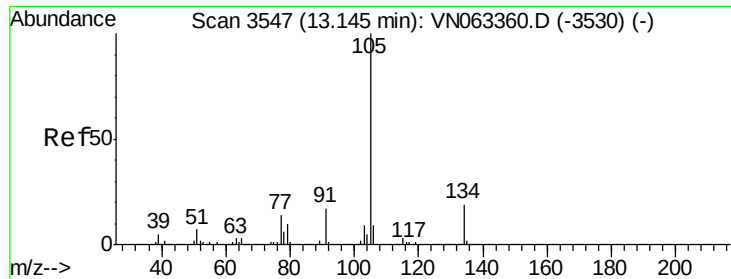
Tgt Ion:	105	Resp:	765347
Ion Ratio	Lower	Upper	
105	100		
120	43.5	21.3	63.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.236 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 840387

Ion Ratio Lower Upper

105 100

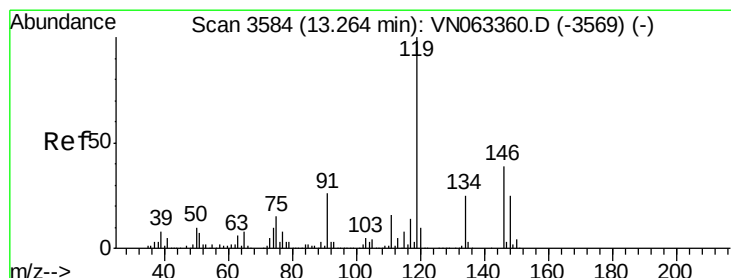
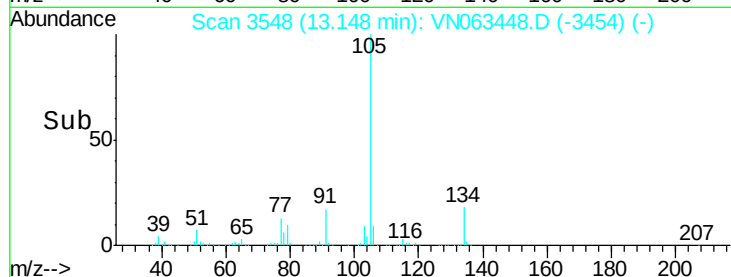
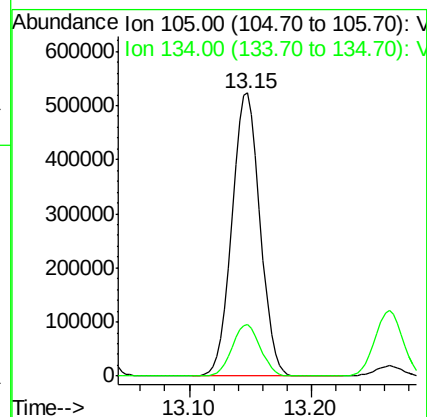
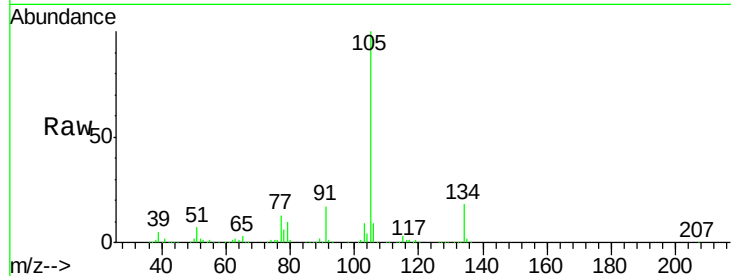
134 18.5 9.3 27.7

Manual Integrations

APPROVED

MMDadoda

9/21/2020 11:49:38 AM



#86

p-Isopropyltoluene

Concen: 48.142 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

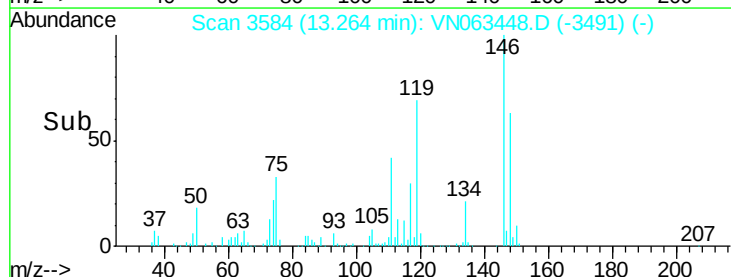
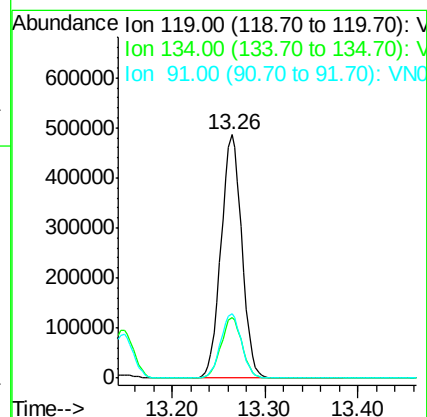
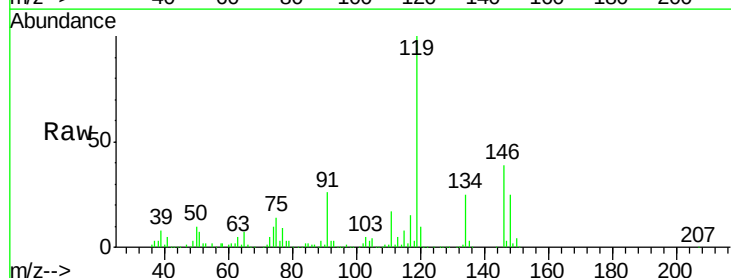
Tgt Ion:119 Resp: 755466

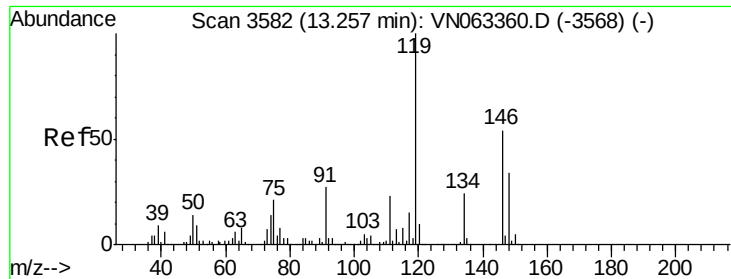
Ion Ratio Lower Upper

119 100

134 25.1 12.5 37.5

91 26.5 13.4 40.1





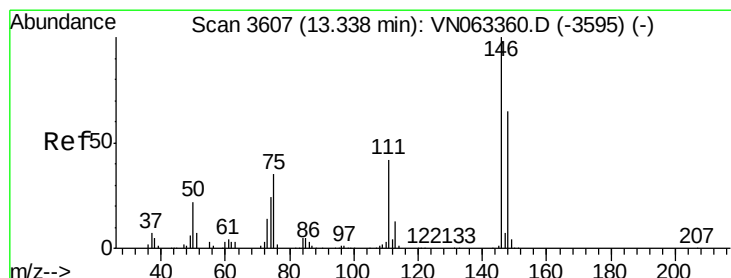
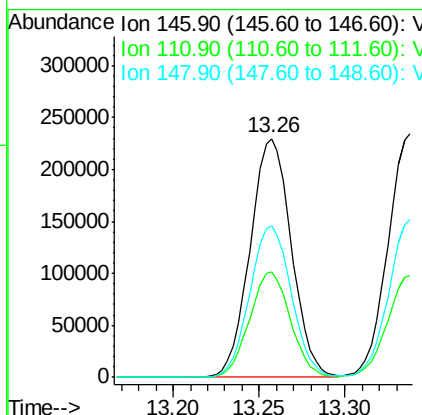
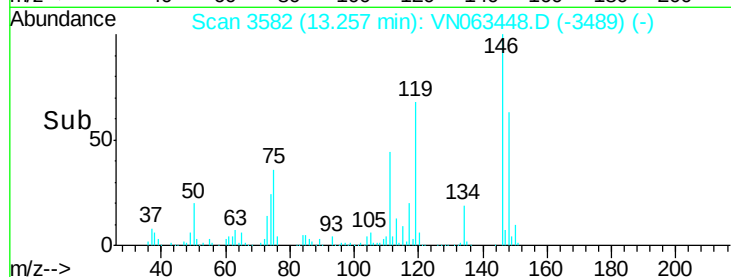
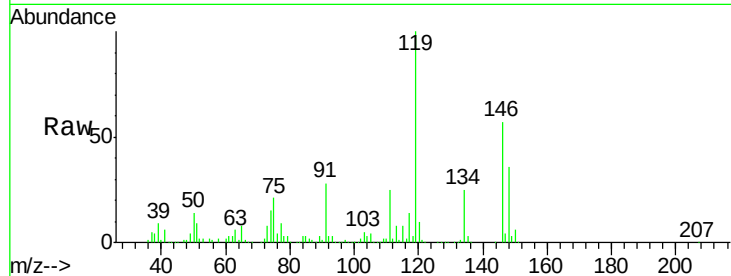
#87
 1,3-Dichlorobenzene
 Concen: 47.384 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063448.D
 Acq: 18 Sep 2020 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.4	64.3
148	63.9	31.9	95.7

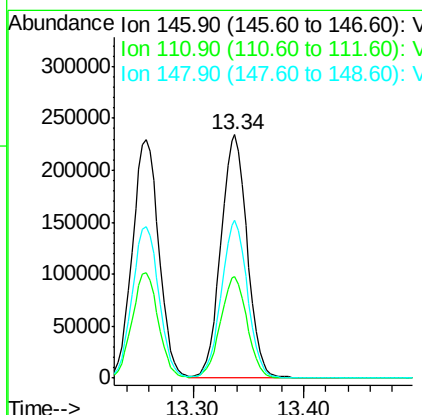
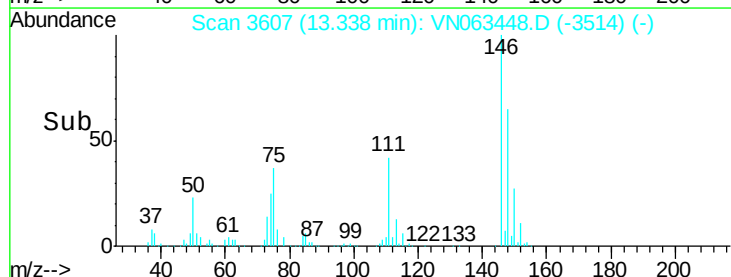
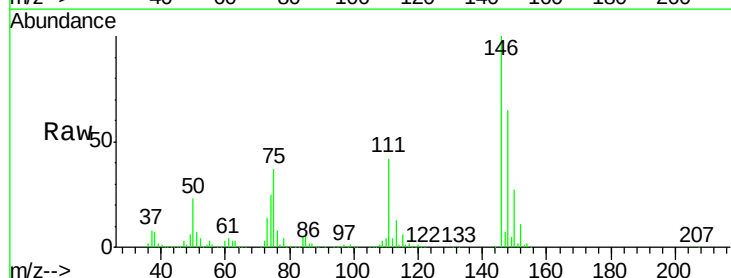
Manual Integrations
 APPROVED

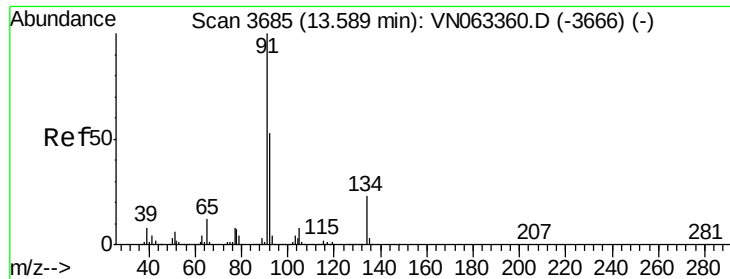
MMDadoda
 9/21/2020 11:49:38 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.175 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063448.D
 Acq: 18 Sep 2020 10:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	64.4	31.9	95.9





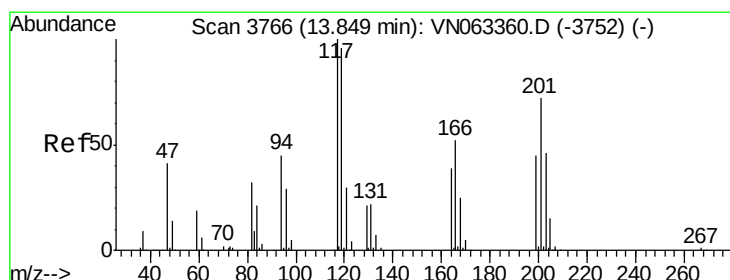
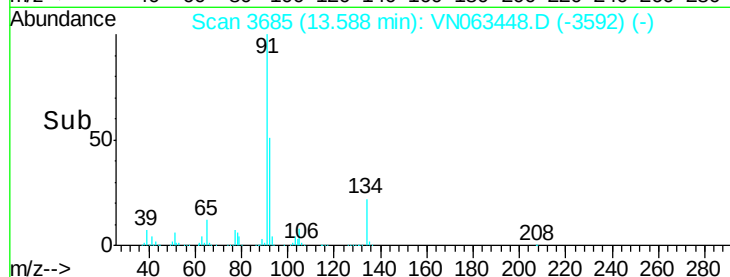
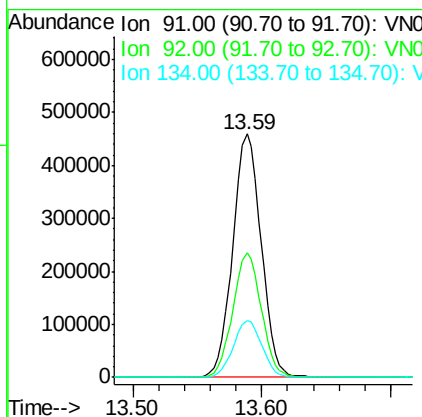
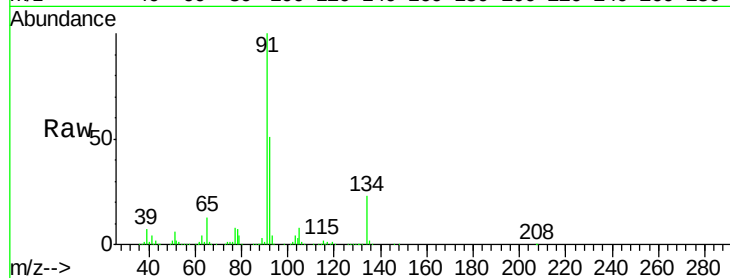
#89
n-Butylbenzene
Concen: 48.733 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.0	78.0
134	23.6	11.7	35.0

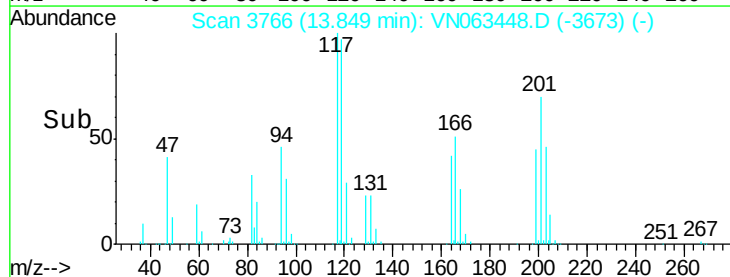
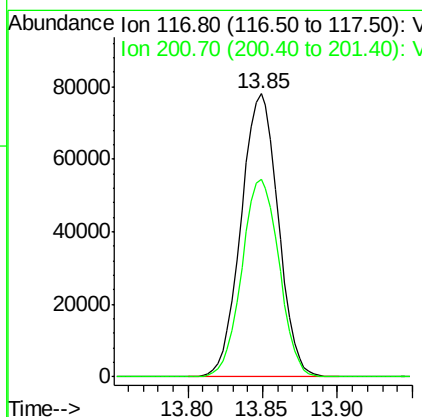
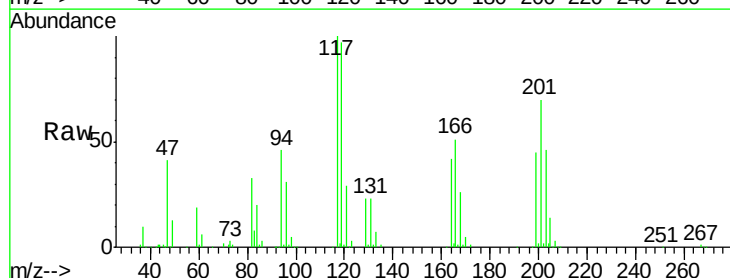
Manual Integrations
APPROVED

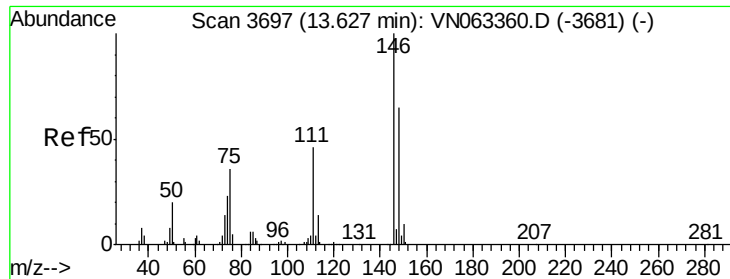
MMDadoda
9/21/2020 11:49:38 AM



#90
Hexachloroethane
Concen: 45.156 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063448.D
Acq: 18 Sep 2020 10:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.1	35.5	106.7





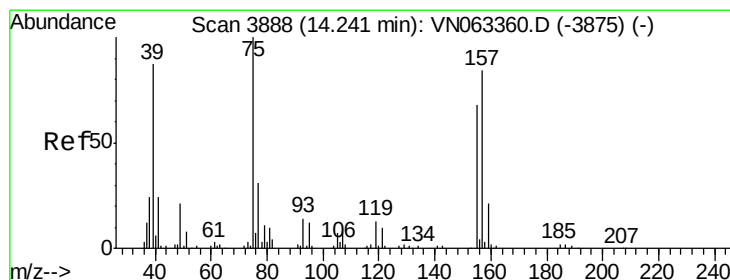
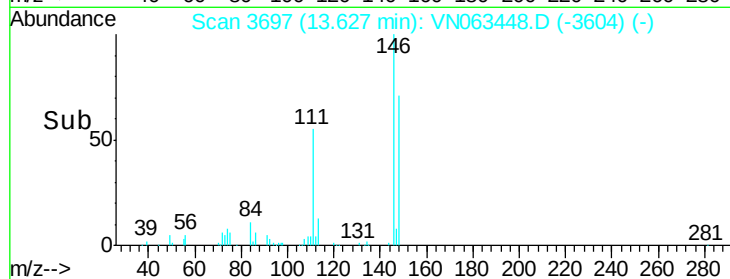
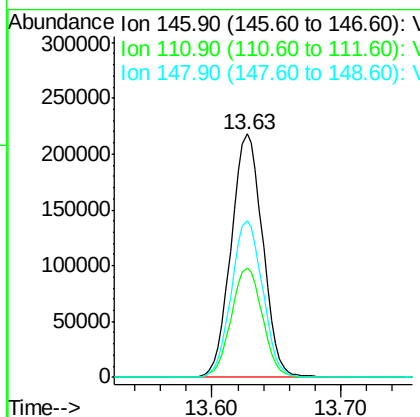
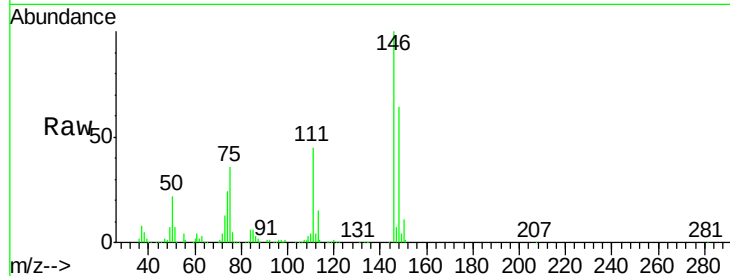
#91
 1,2-Dichlorobenzene
 Concen: 46.894 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063448.D
 Acq: 18 Sep 2020 10:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.4	67.2
148	63.9	32.0	96.0

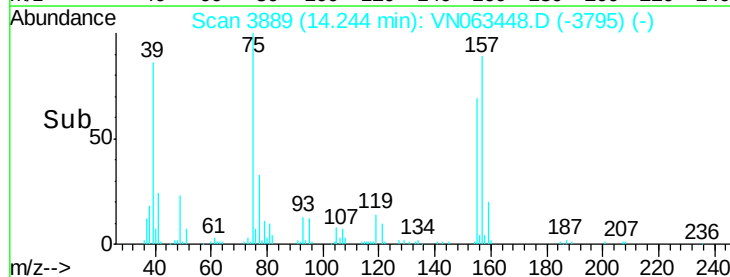
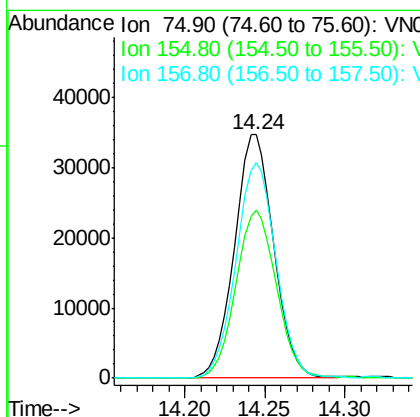
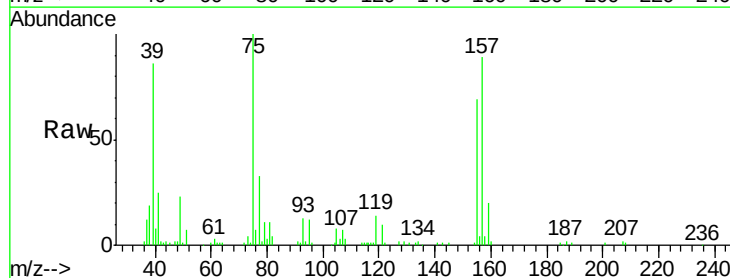
Manual Integrations
 APPROVED

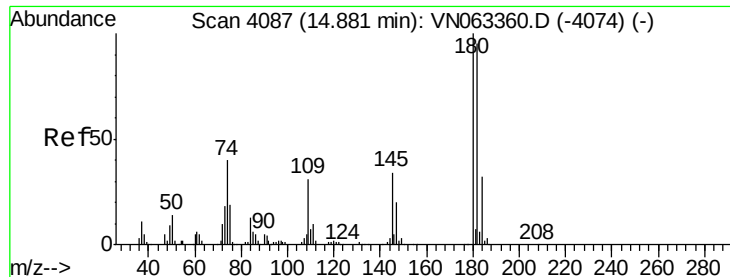
MMDadoda
 9/21/2020 11:49:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.840 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063448.D
 Acq: 18 Sep 2020 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.8	34.6	103.9
157	90.1	43.7	131.1





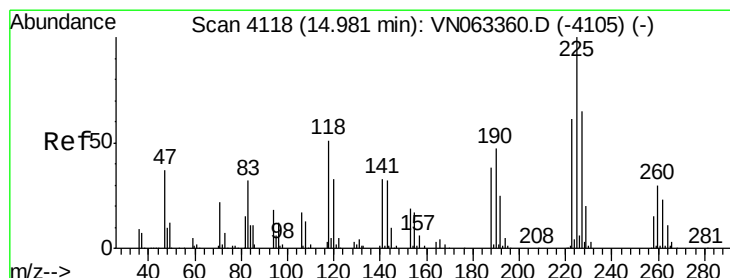
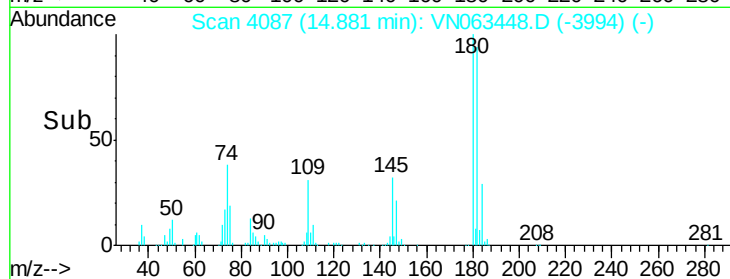
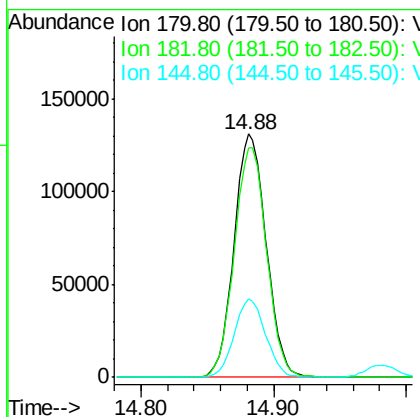
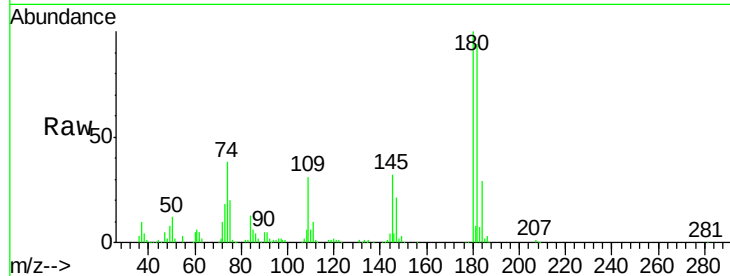
#93
 1,2,4-Trichlorobenzene
 Concen: 47.330 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063448.D
 Acq: 18 Sep 2020 10:32

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	220575		
182	95.0	47.3	142.0	
145	31.6	16.6	49.7	

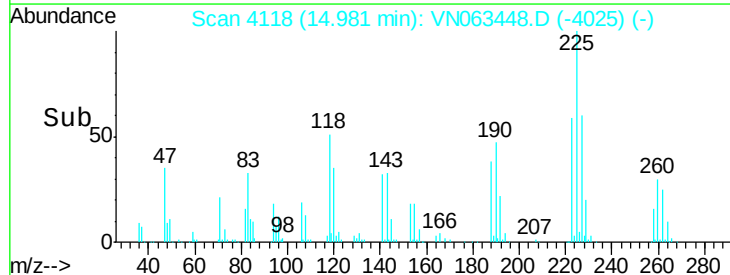
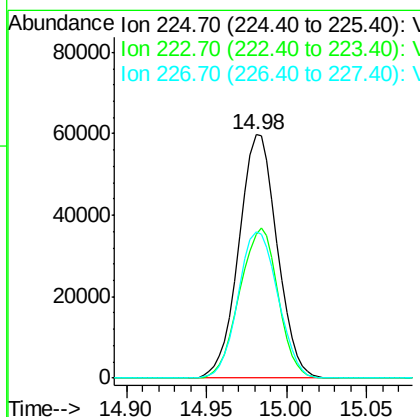
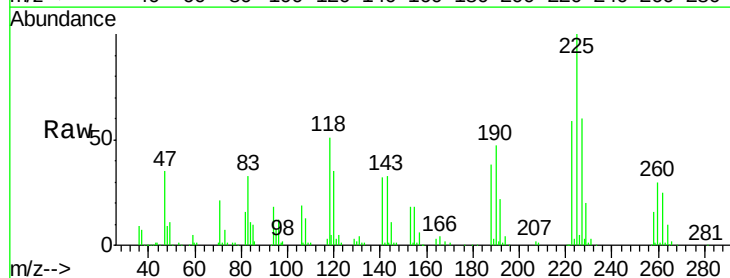
Manual Integrations
 APPROVED

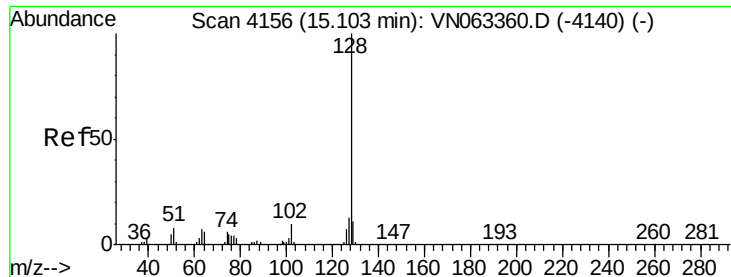
MMDadoda
 9/21/2020 11:49:38 AM



#94
 Hexachlorobutadiene
 Concen: 50.478 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063448.D
 Acq: 18 Sep 2020 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97389		
223	61.9	30.6	91.6	
227	62.4	31.2	93.6	





#95

Naphthalene

Concen: 44.901 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Instrument :

MSVOA_N

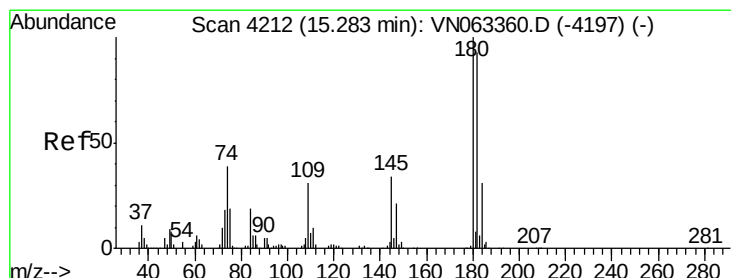
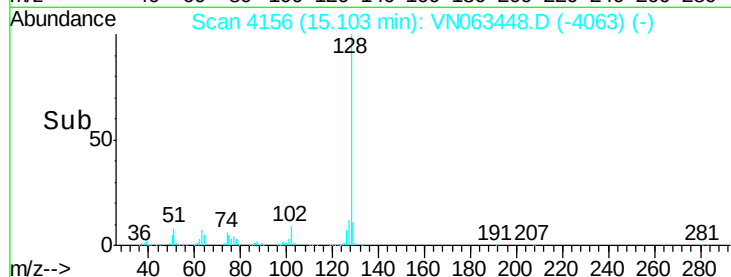
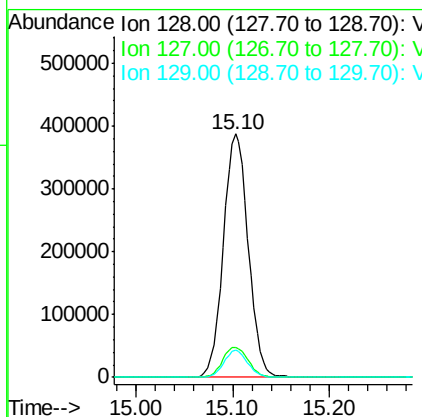
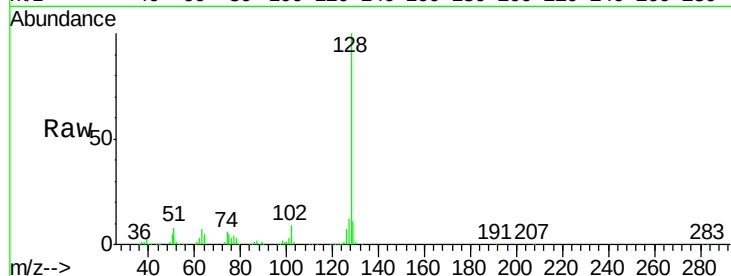
ClientSampled :

VSTDCCC050

Tot Ion:	128	Resp:	691337
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	15.8
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/21/2020 11:49:38 AM



#96

1,2,3-Trichlorobenzene

Concen: 44.640 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063448.D

Acq: 18 Sep 2020 10:32

Tgt Ion:	180	Resp:	201013
Ion Ratio	Lower	Upper	
180	100		
182	96.0	46.7	140.1
145	34.9	16.8	50.3

