

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063890.D
 Acq On : 6 Oct 2020 11:15
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:11:32 PM

Quant Time: Oct 06 12:31:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 12:20:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	54269	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	283569	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	270287	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	144111	35.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	118.80%
60) 4-Bromofluorobenzene	12.38	95	143004	32.98	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	109.93%
63) Toluene-d8	10.06	98	366926	29.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	188531	47.879	ug/l 99
3) Chloromethane	2.04	50	187896	44.058	ug/l 99
4) Vinyl Chloride	2.16	62	187331	43.597	ug/l 99
5) Bromomethane	2.54	94	116646	43.789	ug/l 97
6) Chloroethane	2.68	64	114526	44.642	ug/l 98
7) Trichlorofluoromethane	2.99	101	292638	53.359	ug/l 98
8) Diethyl Ether	3.37	74	98830	54.453	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	149181	50.255	ug/l 98
10) 1,1-Dichloroethene	3.70	96	145315	54.261	ug/l 91
11) Methyl Iodide	3.91	142	193281	53.072	ug/l 96
12) Methyl Acetate	4.28	43	178302	51.023	ug/l 96
13) Acrolein	3.57	56	95179	274.757	ug/l 100
14) Acrylonitrile	4.93	53	371007	247.036	ug/l 96
15) Acetone	3.78	58	107722	246.147	ug/l 89
16) Carbon Disulfide	4.01	76	425112	57.859	ug/l 100
17) Allyl chloride	4.28	41	260653	51.882	ug/l 97
18) Methylene Chloride	4.50	84	172774	47.637	ug/l 98
19) trans-1,2-Dichloroethene	4.99	96	163206	55.458	ug/l 97
20) Diisopropyl ether	5.90	45	533969	48.046	ug/l 98
21) 1,1-Dichloroethane	5.80	63	320300	51.042	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	186489	51.993	ug/l 94
23) tert-Butyl Alcohol	4.73	59	154403	294.250	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	488541	50.546	ug/l # 54
25) Chloroform	7.33	83	337561	53.350	ug/l 99
26) Cyclohexane	7.62	56	235307	45.587	ug/l # 96
29) 1,1-Dichloropropene	7.75	75	246219	55.633	ug/l 99
30) 2-Butanone	6.78	43	612918	295.640	ug/l 100
31) 2,2-Dichloropropane	6.78	77	288754	53.733	ug/l # 79
32) 1,1,1-Trichloroethane	7.53	97	311407	57.625	ug/l 99
33) Carbon Tetrachloride	7.74	117	272722	58.881	ug/l 97
34) Benzene	8.00	78	699810	50.935	ug/l 94
35) Methacrylonitrile	7.13	41	123573	64.359	ug/l 97
36) 1,2-Dichloroethane	8.09	62	303183	60.960	ug/l 100
37) Trichloroethene	8.80	130	178914	52.664	ug/l 98
38) Methylcyclohexane	9.05	83	209311	40.902	ug/l 99
39) 1,2-Dichloropropane	9.08	63	188293	47.639	ug/l 100
40) Dibromomethane	9.18	93	132656	55.432	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063890.D
 Acq On : 6 Oct 2020 11:15
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:11:32 PM

Quant Time: Oct 06 12:31:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 12:20:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	271776	52.234	ug/l	94
42) Vinyl Acetate	5.84	43	2593772	319.550	ug/l	99
43) Ethyl Acetate	6.88	43	259301	64.280	ug/l	99
44) Isopropyl Acetate	8.13	43	435269	63.136	ug/l #	100
45) 1,4-Dioxane	9.16	88	57832	984.825	ug/l	92
46) Methyl methacrylate	9.17	41	221923	65.308	ug/l	98
47) n-amyl Acetate	12.05	43	391731	64.593	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	295664	53.363	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	315010	53.239	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	176091	49.629	ug/l	96
51) Ethyl methacrylate	10.40	69	266644	54.284	ug/l	98
52) 1,3-Dichloropropane	10.68	76	300199	50.961	ug/l	99
53) Dibromochloromethane	10.87	129	204682	51.838	ug/l	98
54) 1,2-Dibromoethane	10.98	107	186540	53.639	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	697501	517.700	ug/l	99
56) Bromoform	12.10	173	143614	50.384	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	1352306	316.207	ug/l	99
59) 2-Hexanone	10.72	43	1002484	325.220	ug/l	100
61) Tetrachloroethene	10.60	164	167556	53.123	ug/l	98
62) Toluene	10.13	91	770469	51.600	ug/l	98
64) Chlorobenzene	11.41	112	463616	50.499	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	181976	50.047	ug/l	98
66) Ethyl Benzene	11.48	91	861220	52.624	ug/l	98
67) m/p-Xylenes	11.60	106	636214	103.936	ug/l	98
68) o-Xylene	11.92	106	307266	52.499	ug/l	97
69) Styrene	11.94	104	528878	51.984	ug/l	98
70) Isopropylbenzene	12.22	105	819972	51.723	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	255964	50.896	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	265686m	57.281	ug/l	
73) Bromobenzene	12.50	156	204158	48.599	ug/l	95
74) n-propylbenzene	12.57	91	956675	50.531	ug/l	99
75) 2-Chlorotoluene	12.65	91	584928	51.643	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	698746	51.854	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	95732	58.468	ug/l	98
78) 4-Chlorotoluene	12.75	91	618730	52.644	ug/l	100
79) tert-butylbenzene	12.97	119	549520	48.800	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	707249	53.391	ug/l	100
81) sec-Butylbenzene	13.15	105	727882	47.281	ug/l	99
82) p-Isopropyltoluene	13.26	119	665776	48.700	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	355283	48.159	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	360811	49.817	ug/l	98
85) n-Butylbenzene	13.59	91	582582	50.242	ug/l	98
86) Hexachloroethane	13.85	117	110750	42.334	ug/l	94
87) 1,2-Dichlorobenzene	13.63	146	354457	49.857	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.24	75	62459	70.267	ug/l	99
89) 1,2,4-Trichlorobenzene	14.88	180	186891	52.079	ug/l	98
90) Hexachlorobutadiene	14.98	225	96955	39.113	ug/l	98
91) Naphthalene	15.10	128	612712	70.735	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	184221	51.691	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
Data File : VN063890.D
Acq On : 6 Oct 2020 11:15
Operator : JC/MD
Sample : VSTDICC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:32 PM

Quant Time: Oct 06 12:31:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 06 12:20:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

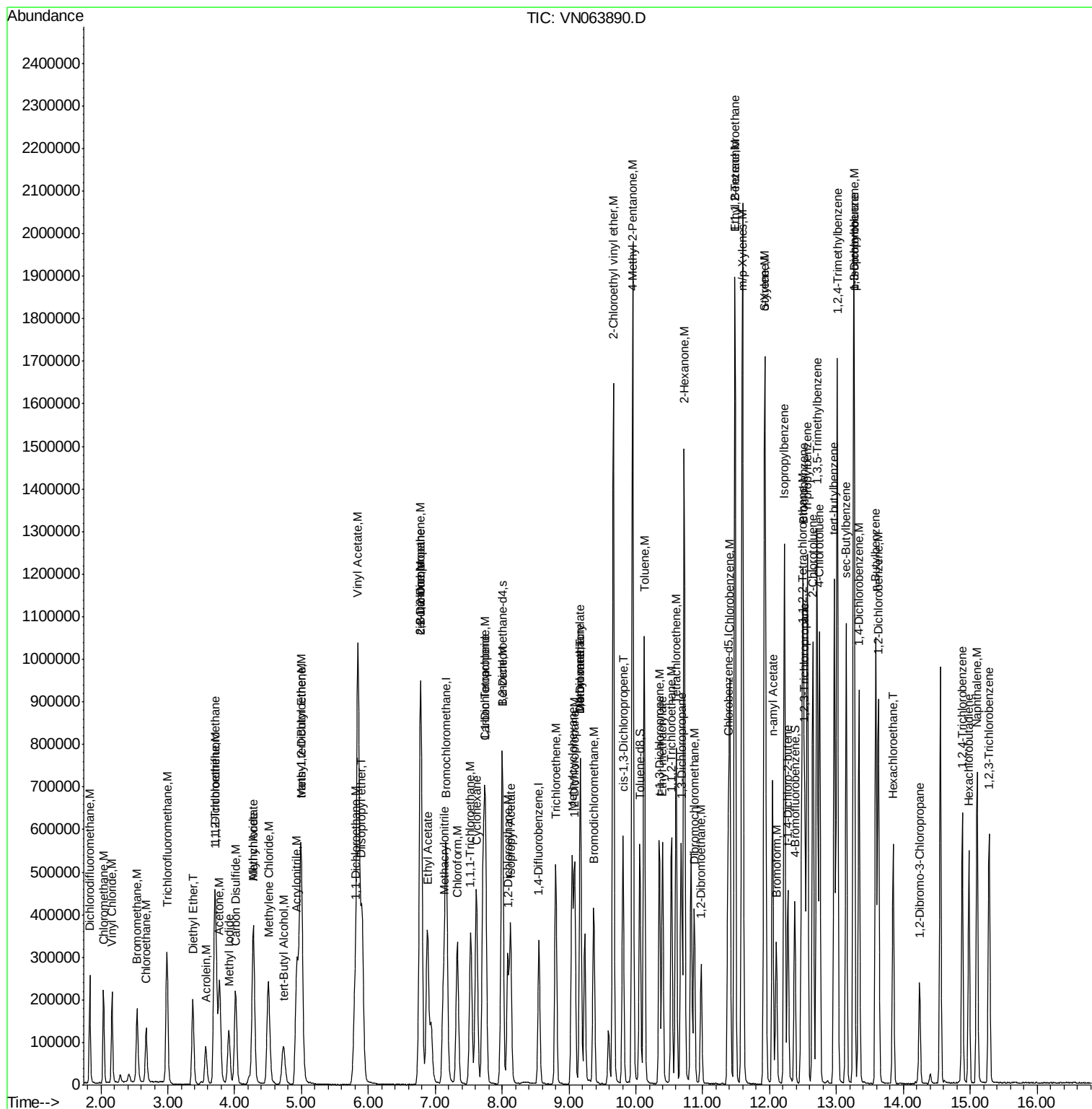
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100620\
Data File : VN063890.D
Acq On : 6 Oct 2020 11:15
Operator : JC/MD
Sample : VSTDIC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

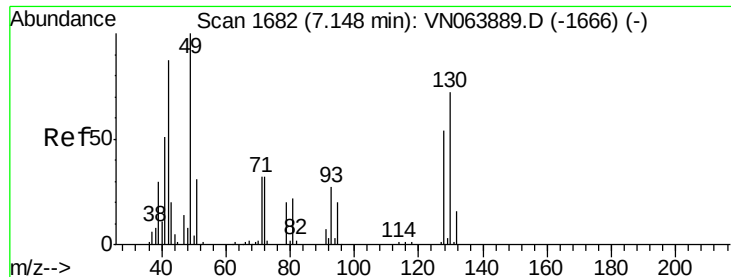
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:32 PM

Quant Time: Oct 06 12:31:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 06 12:20:09 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

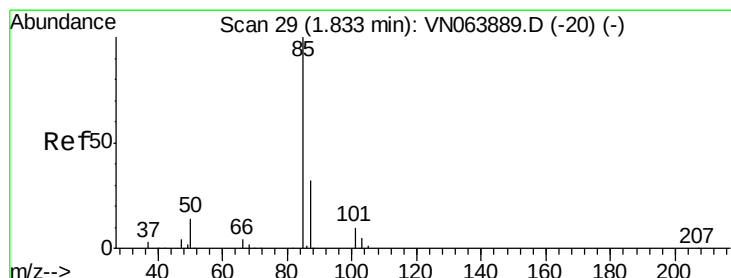
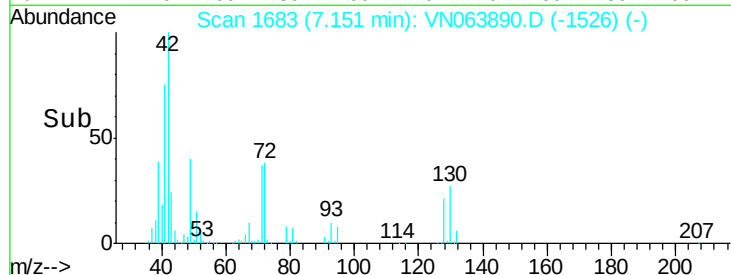
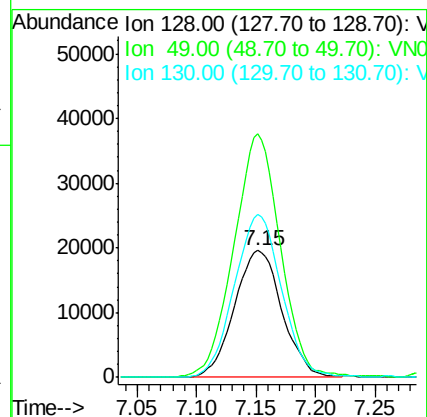
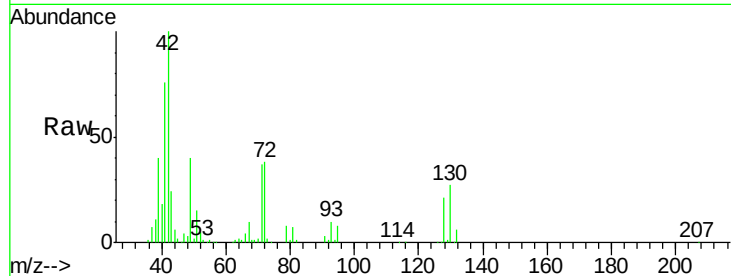
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
49	187.5	0.0	461.8
130	127.1	0.0	331.8

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:32 PM



#2

Dichlorodifluoromethane

Concen: 47.879 ug/l

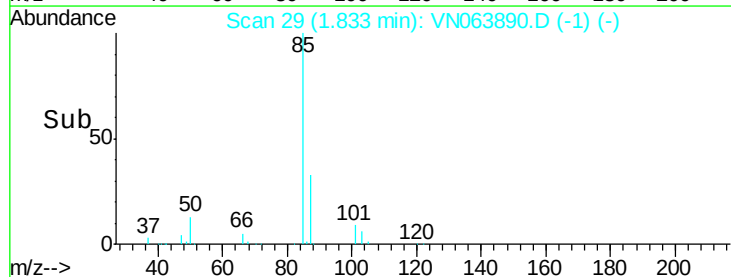
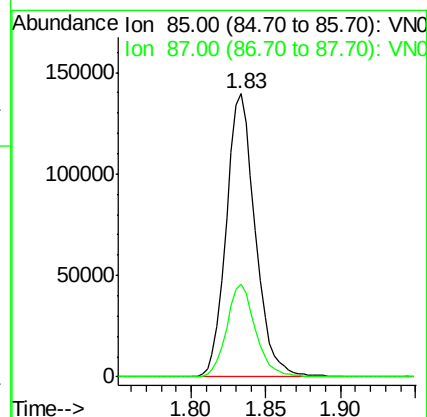
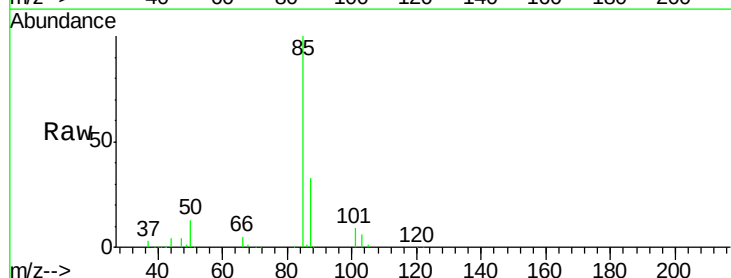
RT: 1.83 min Scan# 29

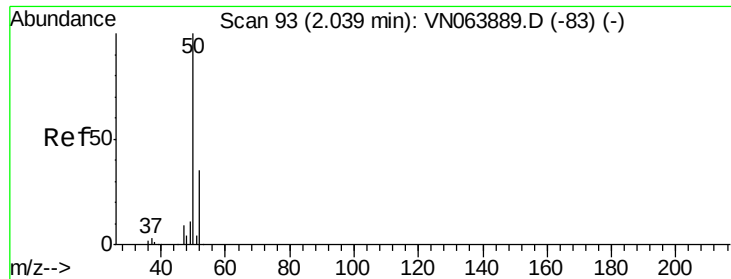
Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.1	48.2





#3

Chloromethane

Concen: 44.058 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 187896

Ion Ratio Lower Upper

50 100

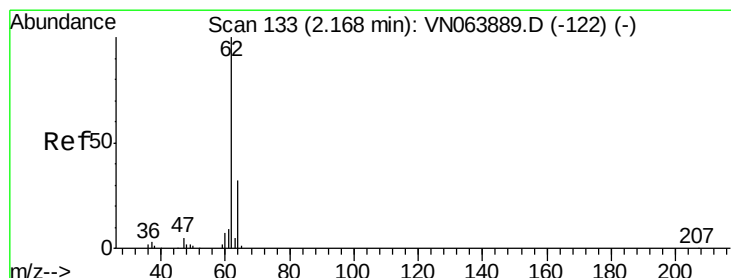
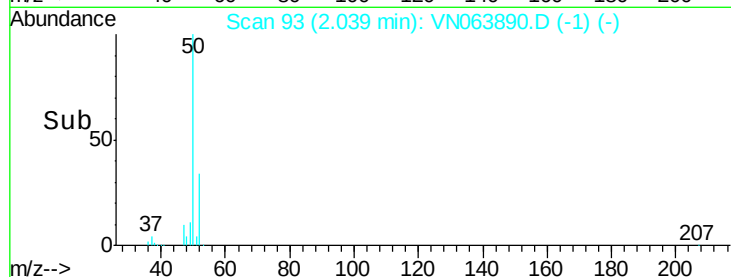
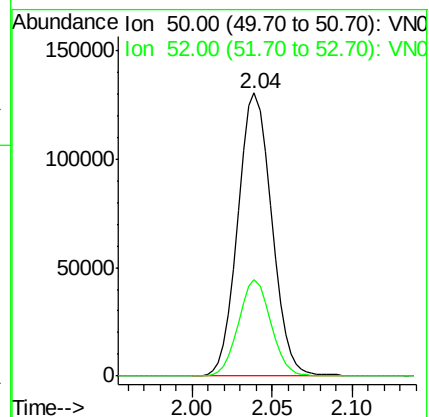
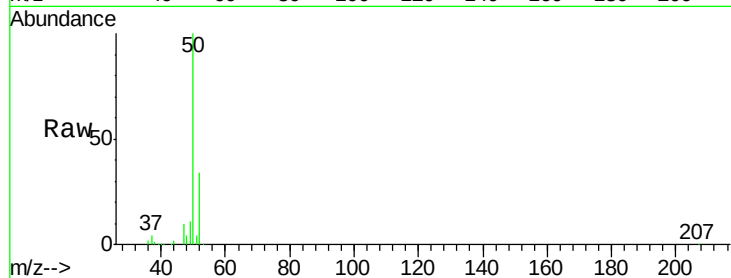
52 34.1 27.9 41.9

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:11:32 PM



#4

Vinyl Chloride

Concen: 43.597 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063890.D

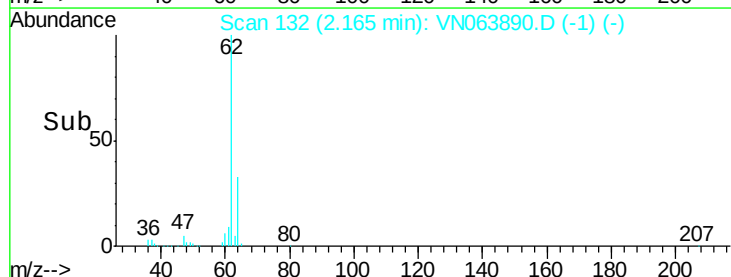
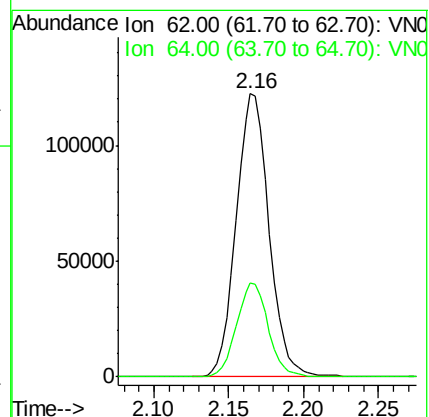
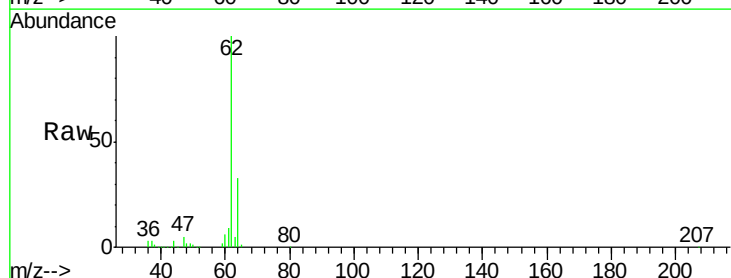
Acq: 6 Oct 2020 11:15

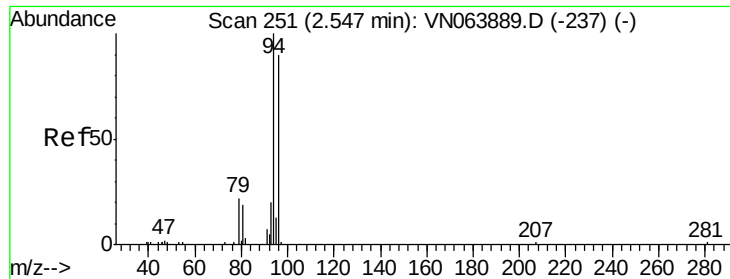
Tgt Ion: 62 Resp: 187331

Ion Ratio Lower Upper

62 100

64 33.1 26.0 39.0





#5

Bromomethane

Concen: 43.789 ug/l

RT: 2.54 min Scan# 249

Delta R.T. -0.01 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 116646

Ion Ratio Lower Upper

94 100

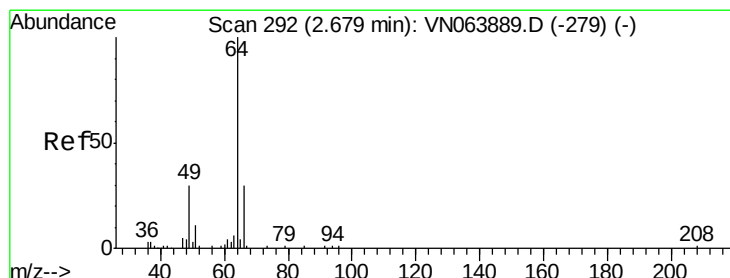
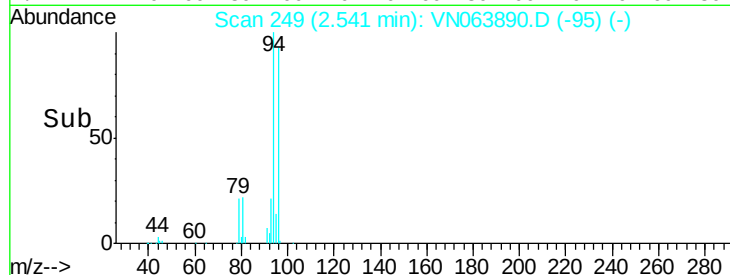
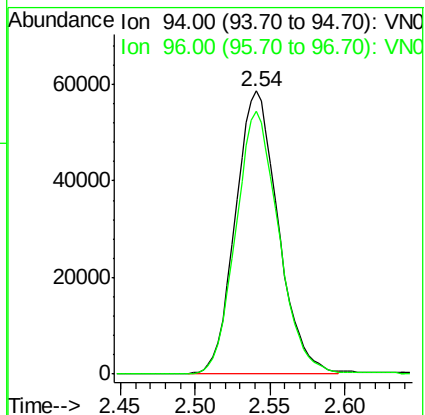
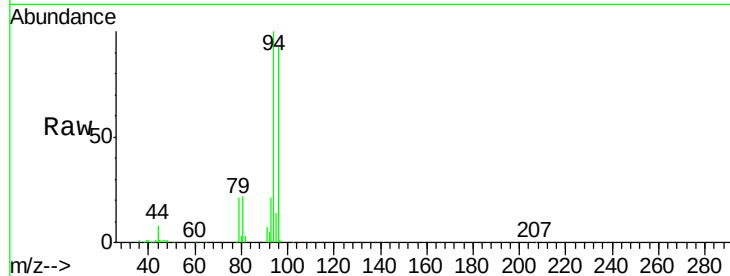
96 92.8 71.9 107.9

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:11:32 PM



#6

Chloroethane

Concen: 44.642 ug/l

RT: 2.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN063890.D

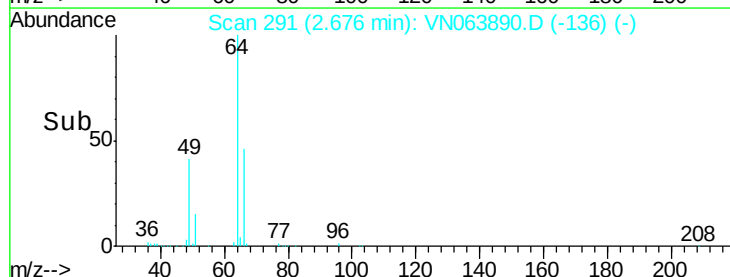
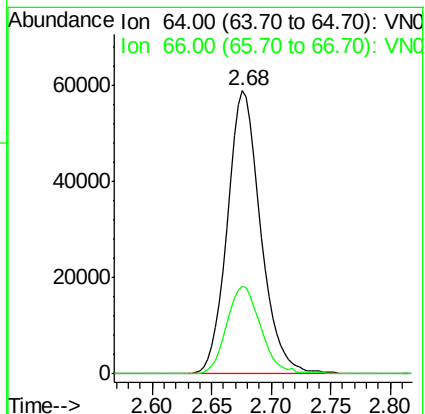
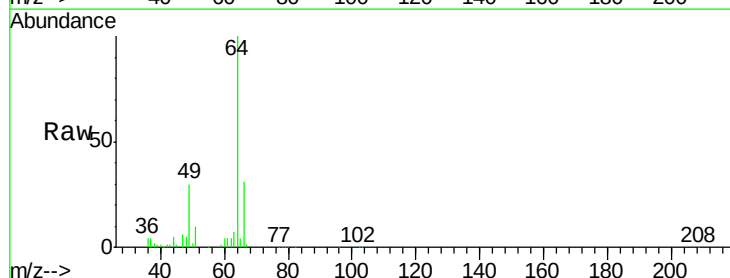
Acq: 6 Oct 2020 11:15

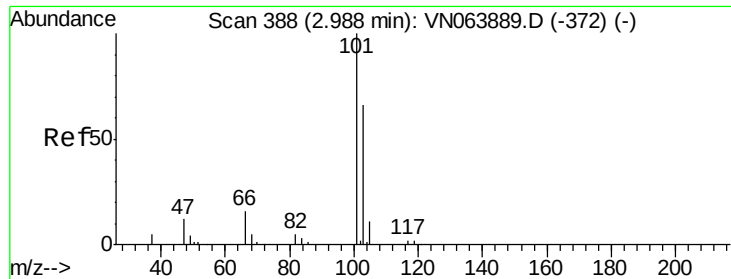
Tgt Ion: 64 Resp: 114526

Ion Ratio Lower Upper

64 100

66 31.1 24.2 36.2





#7

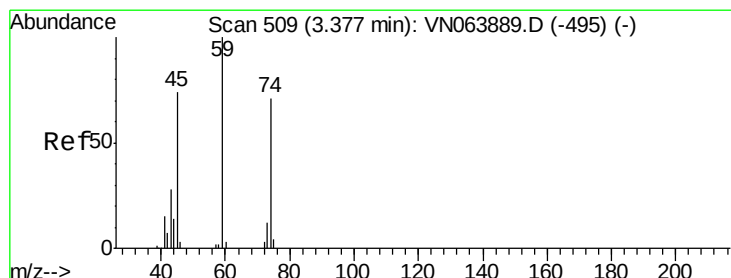
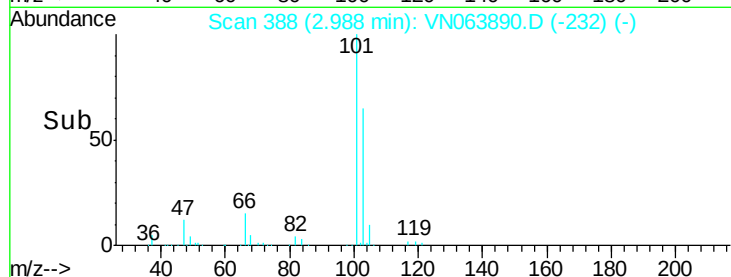
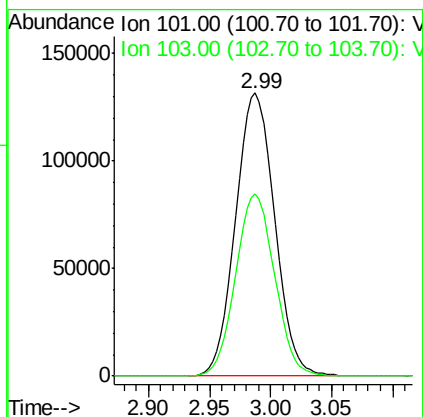
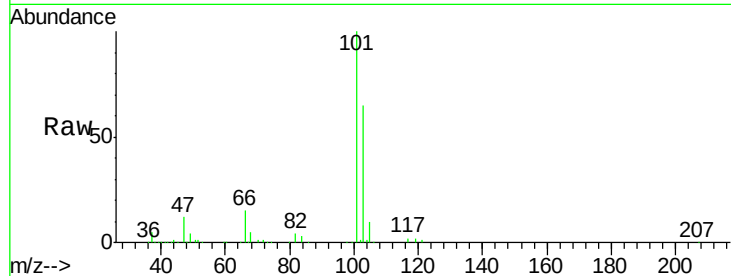
Trichlorofluoromethane
 Concen: 53.359 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		292638		
103	64.5	52.6	78.8		

Manual Integrations
 APPROVED

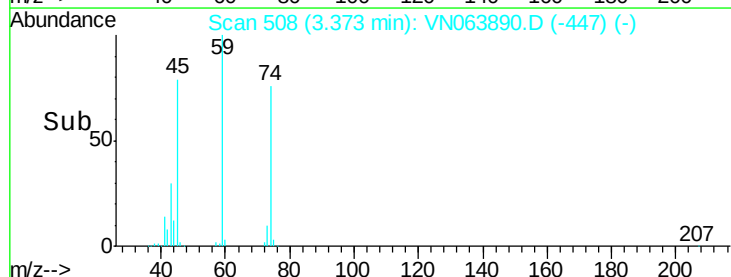
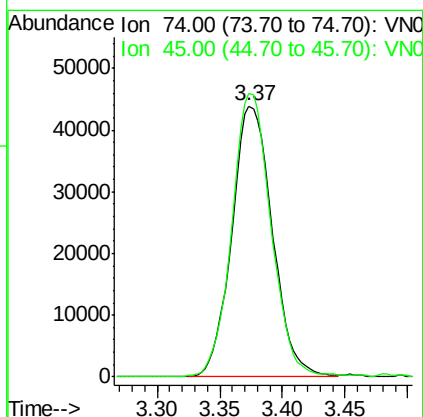
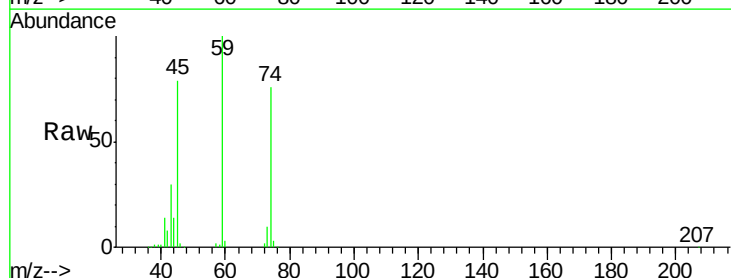
MMDadoda
 10/7/2020 12:11:32 PM

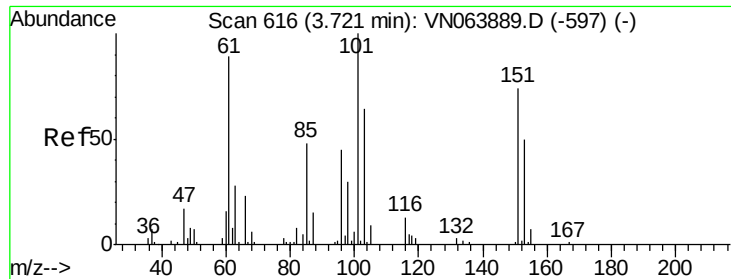


#8

Diethyl Ether
 Concen: 54.453 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		98830		
45	100.9	21.4	192.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.255 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

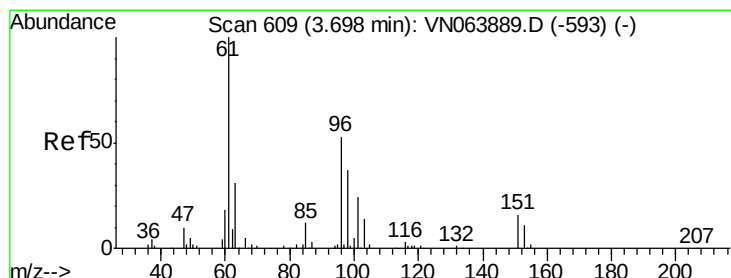
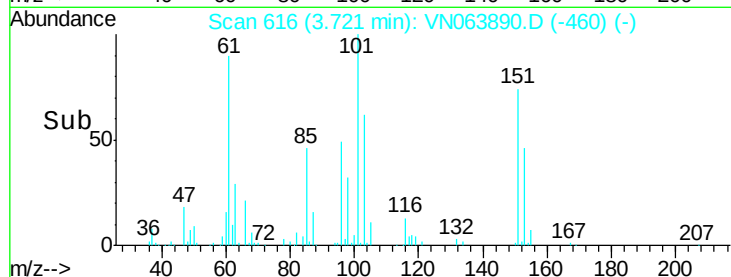
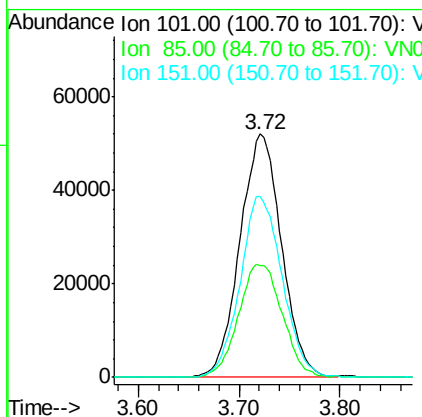
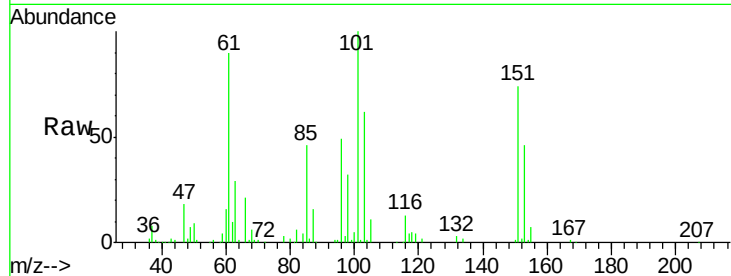
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	149181
Ion Ratio	Lower	Upper	
101	100		
85	48.7	0.0	94.6
151	75.2	0.0	147.0

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:32 PM



#10

1,1-Dichloroethene

Concen: 54.261 ug/l

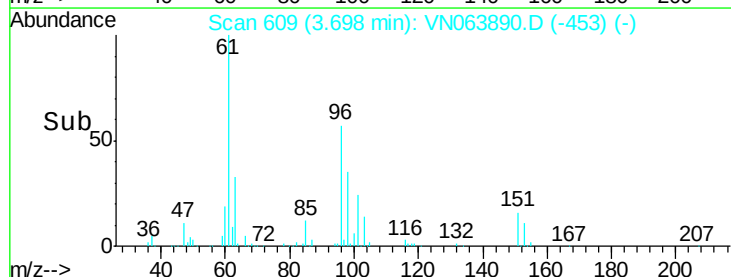
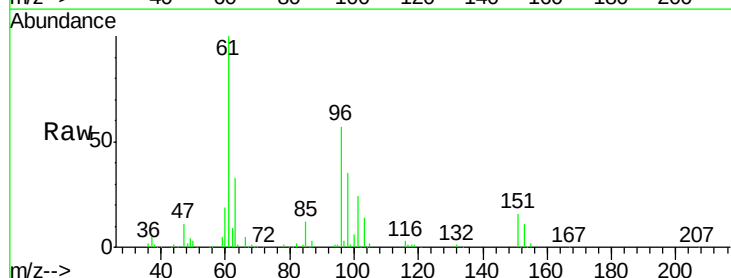
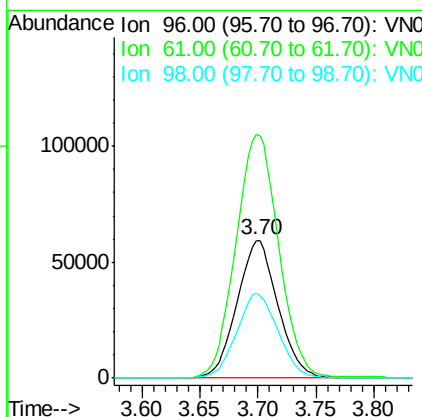
RT: 3.70 min Scan# 609

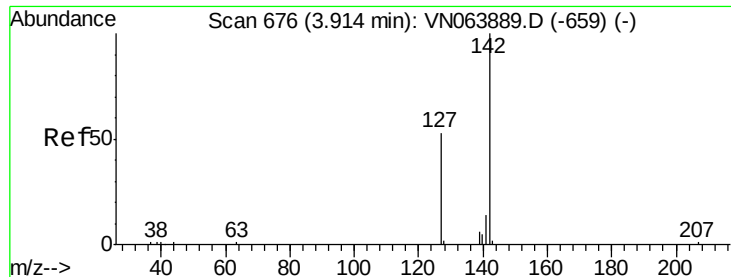
Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Tgt Ion:	96	Resp:	145315
Ion Ratio	Lower	Upper	
96	100		
61	176.0	150.4	225.6
98	61.5	55.8	83.8





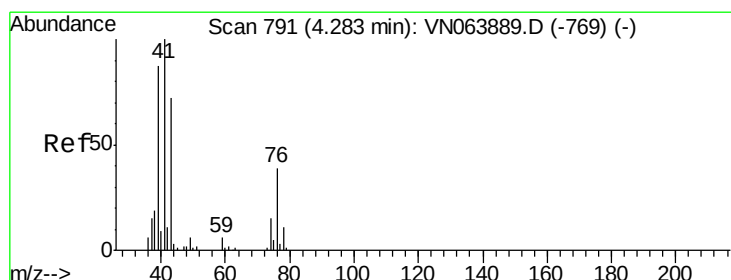
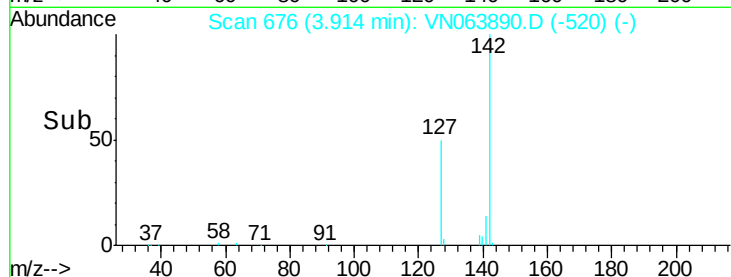
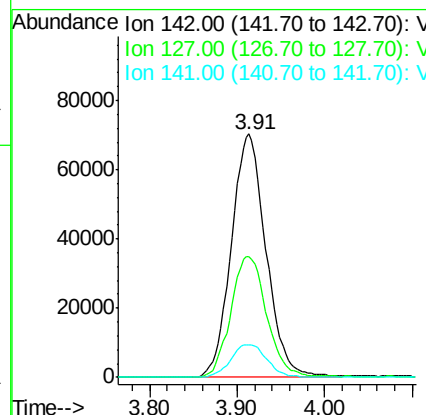
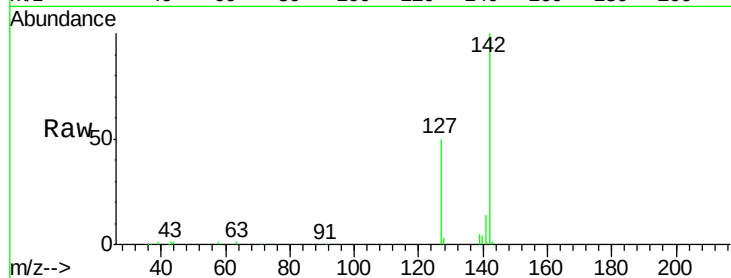
#11
Methyl Iodide
Concen: 53.072 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	49.5	26.5	79.4
141	13.4	7.1	21.4

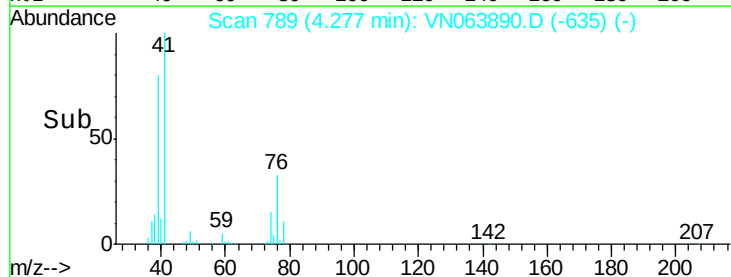
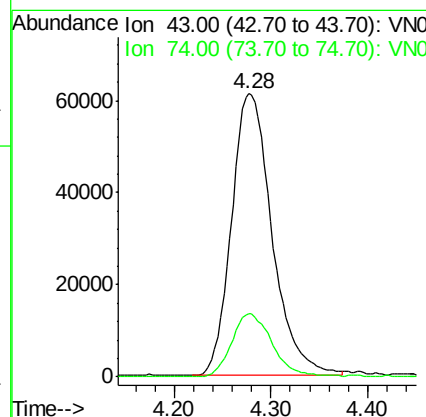
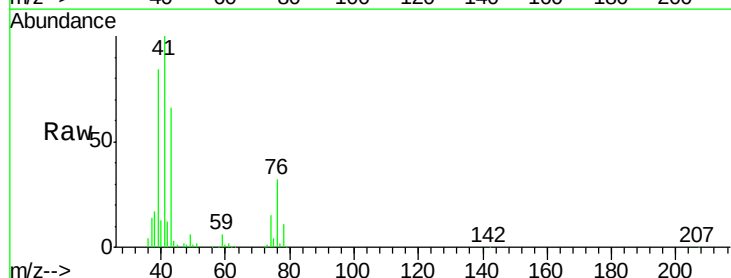
Manual Integrations
APPROVED

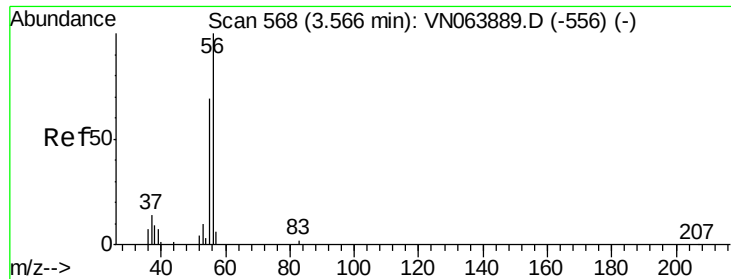
MMDadoda
10/7/2020 12:11:32 PM



#12
Methyl Acetate
Concen: 51.023 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.01 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	16.7	25.1





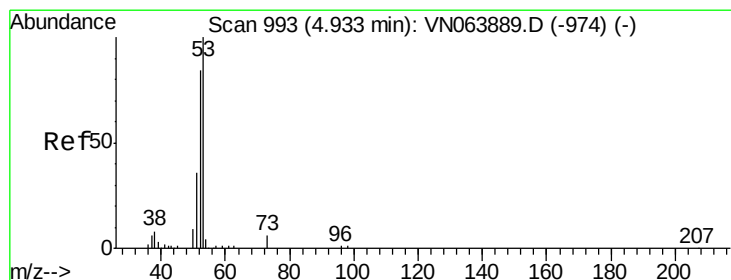
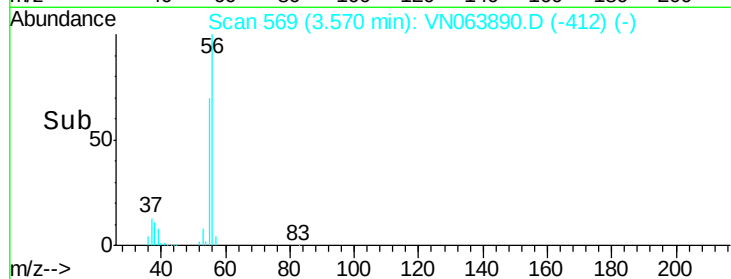
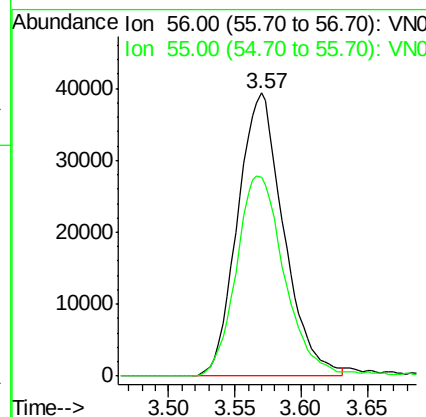
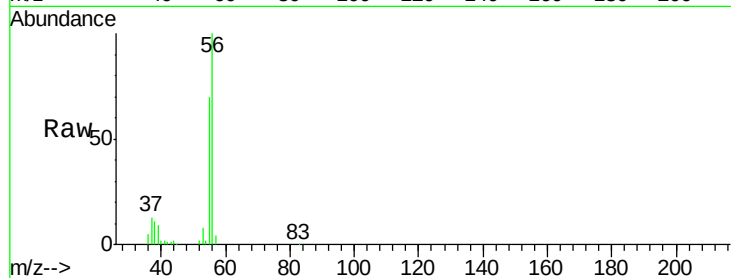
#13
Acrolein
Concen: 274.757 ug/l
RT: 3.57 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	56	Resp	95179
Ion Ratio	Lower	Upper	
56	100		
55	73.4	58.6	87.8

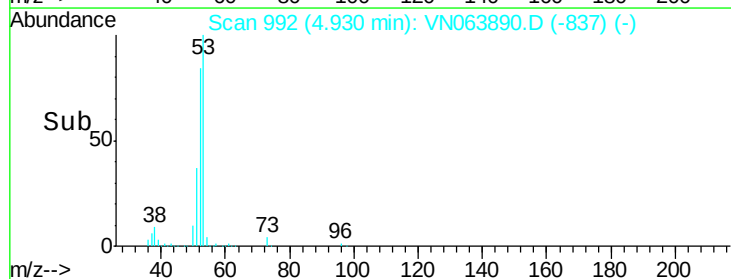
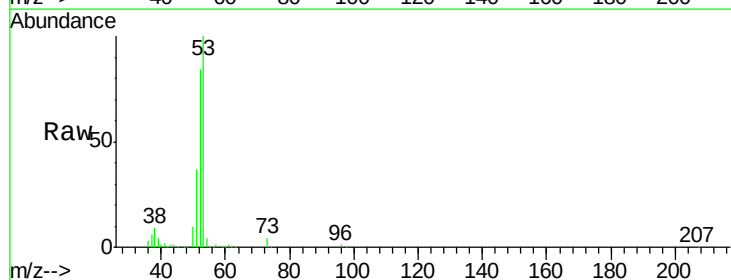
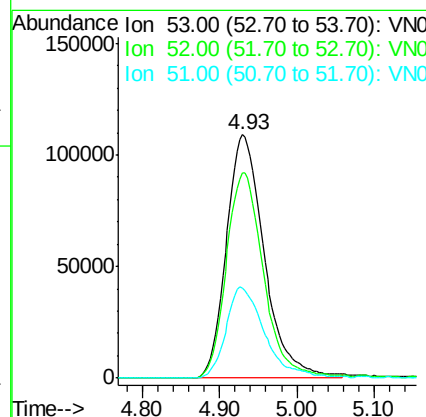
Manual Integrations
APPROVED

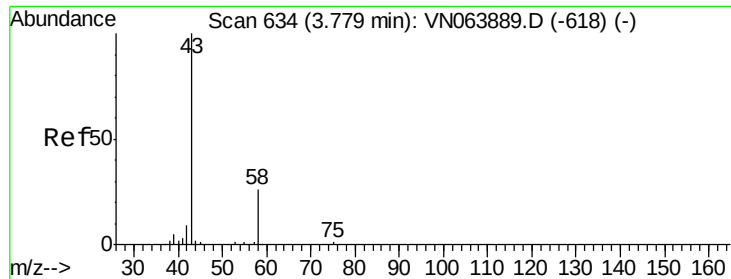
MMDadoda
10/7/2020 12:11:32 PM



#14
Acrylonitrile
Concen: 247.036 ug/l
RT: 4.93 min Scan# 992
Delta R.T. -0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion	53	Resp	371007
Ion Ratio	Lower	Upper	
53	100		
52	82.1	43.2	129.6
51	38.1	19.4	58.4





#15

Acetone

Concen: 246.147 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 107722

Ion Ratio Lower Upper

58 100

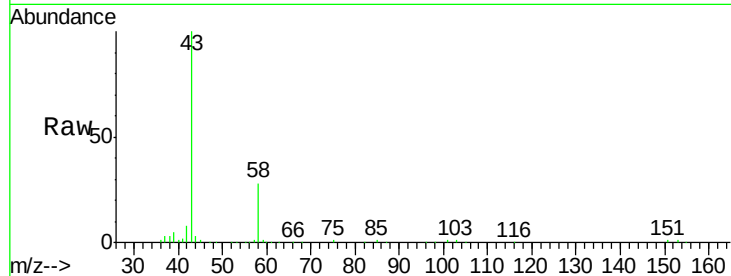
43 352.0 302.4 453.6

Manual Integrations

APPROVED

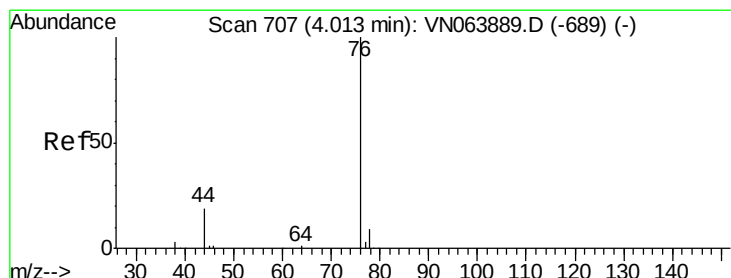
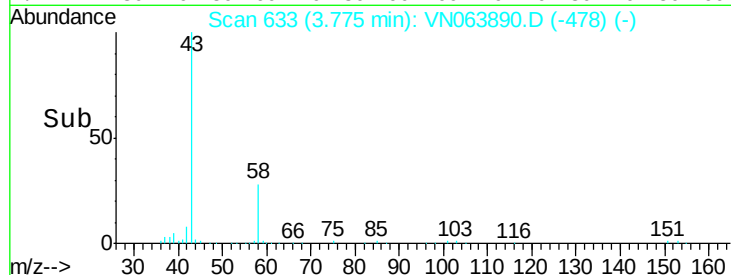
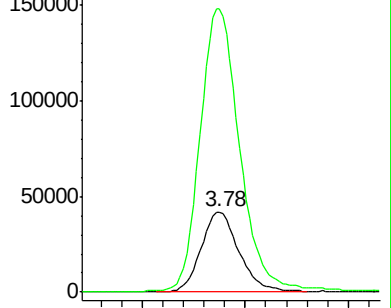
MMDadoda

10/7/2020 12:11:32 PM



Abundance Ion 58.00 (57.70 to 58.70): VN063889.D (-618) (-)

Ion 43.00 (42.70 to 43.70): VN063889.D (-618) (-)



#16

Carbon Disulfide

Concen: 57.859 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063890.D

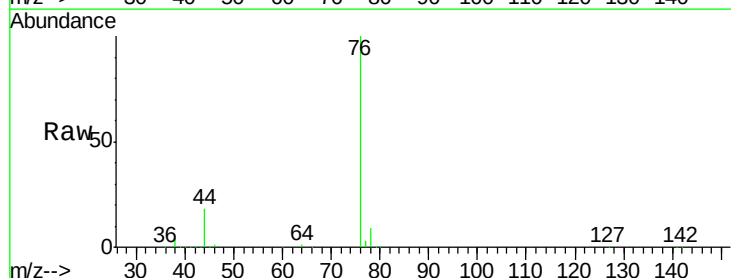
Acq: 6 Oct 2020 11:15

Tgt Ion: 76 Resp: 425112

Ion Ratio Lower Upper

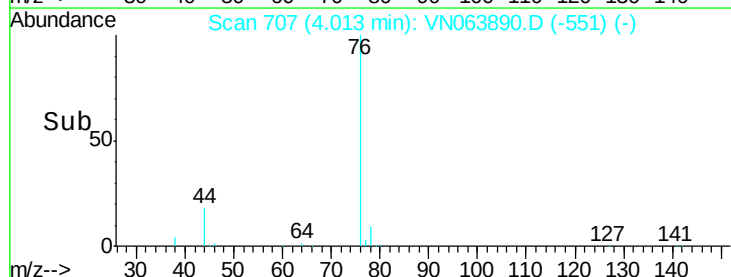
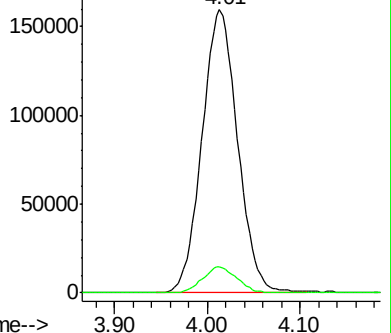
76 100

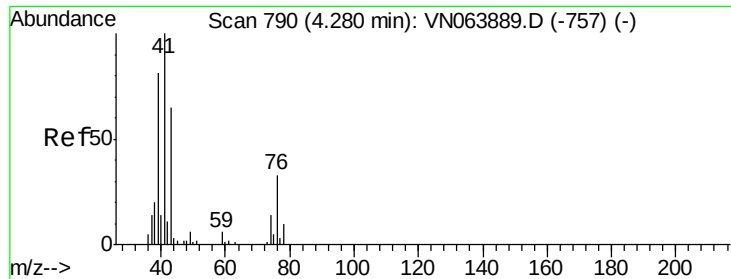
78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN063889.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN063889.D (-689) (-)





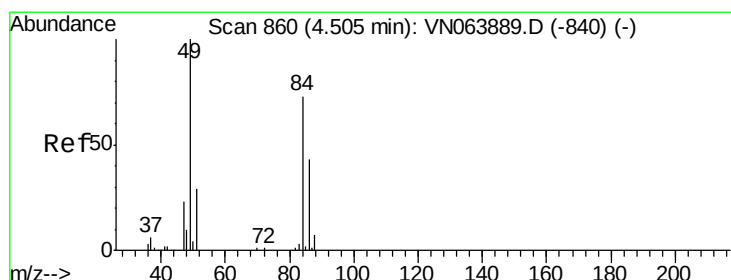
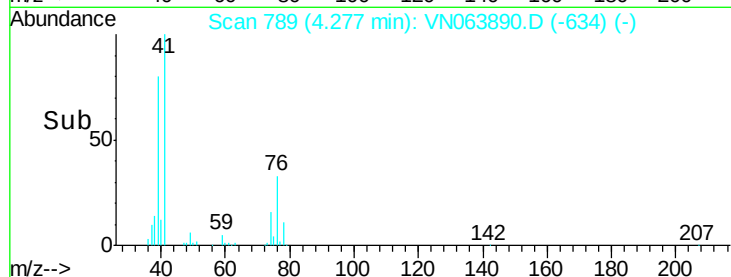
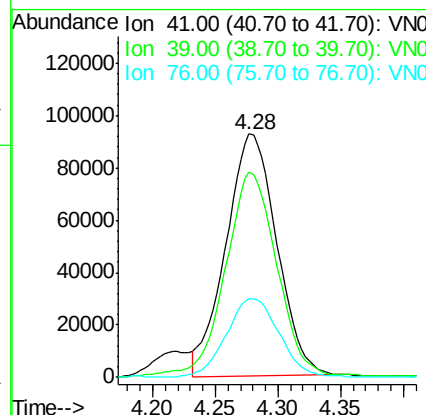
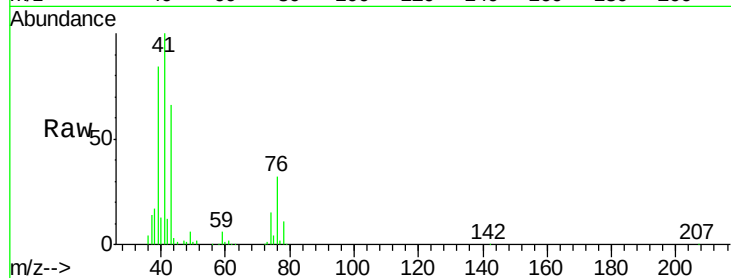
#17
Allvl chloride
Concen: 51.882 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	84.0	40.7	122.1
76	32.1	17.0	50.9

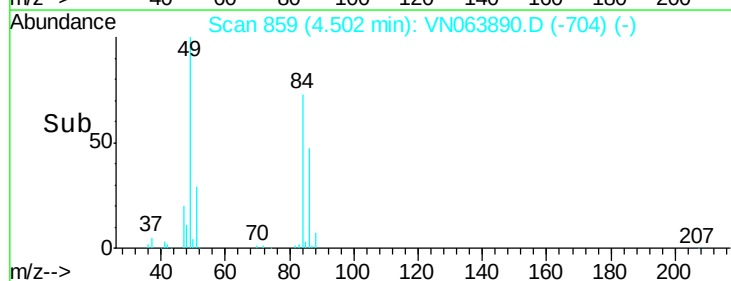
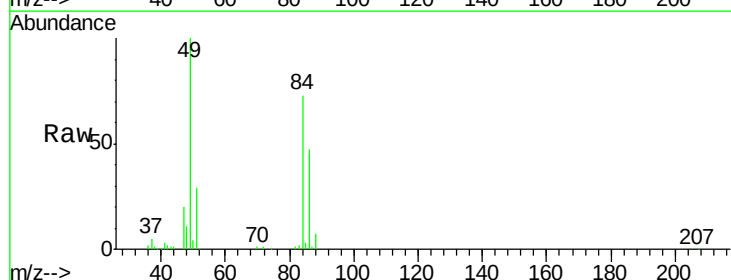
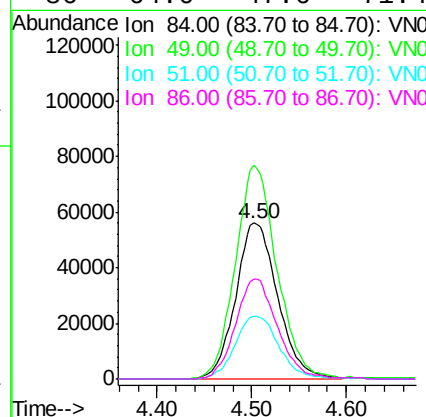
Manual Integrations
APPROVED

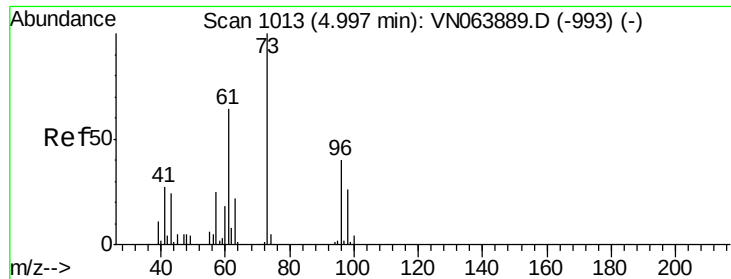
MMDadoda
10/7/2020 12:11:32 PM



#18
Methylene Chloride
Concen: 47.637 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.6	109.7	164.5
51	40.3	31.4	47.2
86	64.0	47.6	71.4





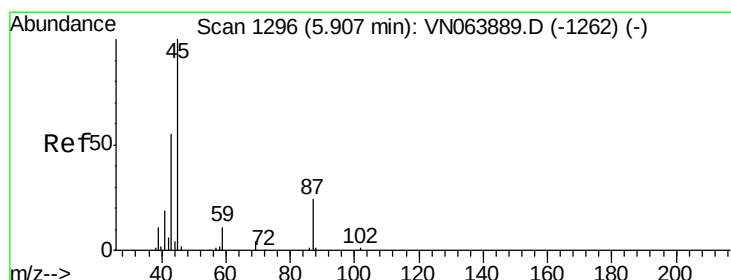
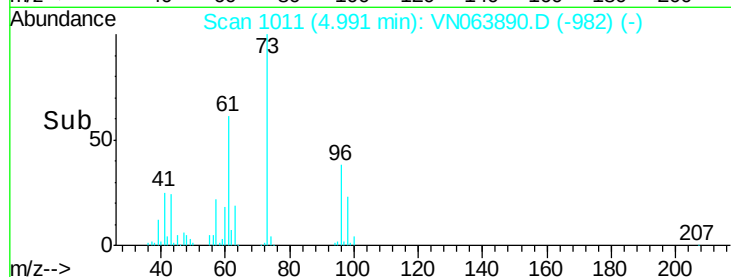
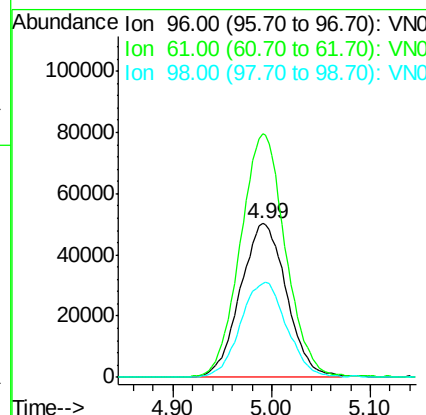
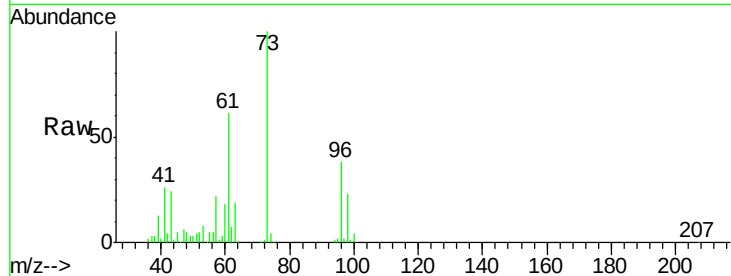
#19
trans-1,2-Dichloroethene
Concen: 55.458 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.5	127.9	191.9
98	61.0	52.5	78.7

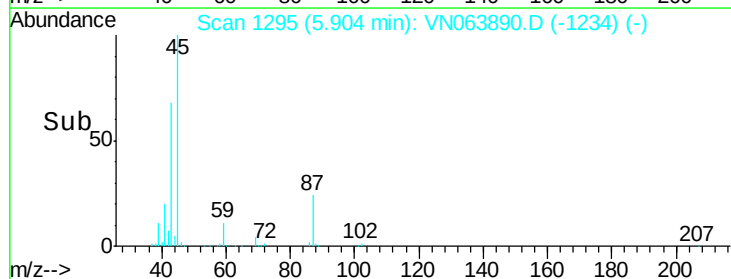
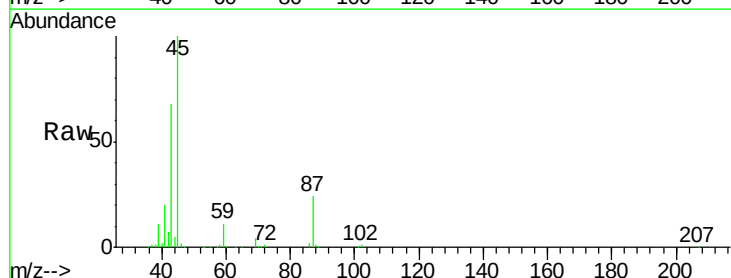
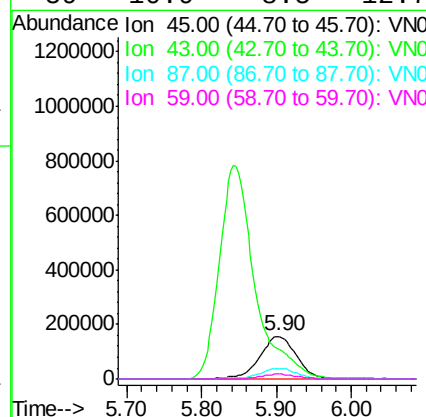
Manual Integrations
APPROVED

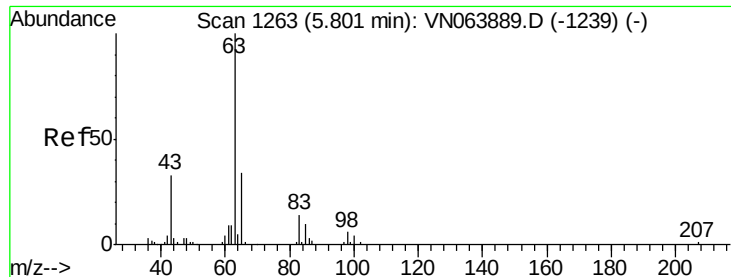
MMDadoda
10/7/2020 12:11:32 PM



#20
Diisopropyl ether
Concen: 48.046 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.7	51.3	76.9
87	24.1	19.5	29.3
59	10.9	8.5	12.7





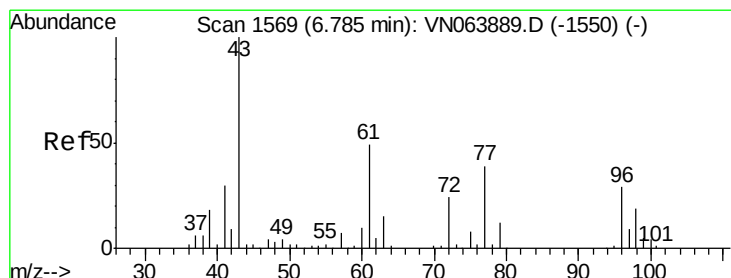
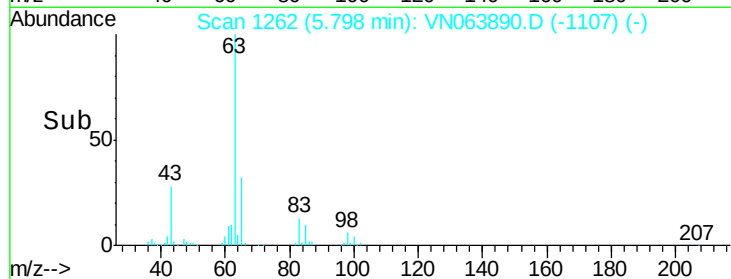
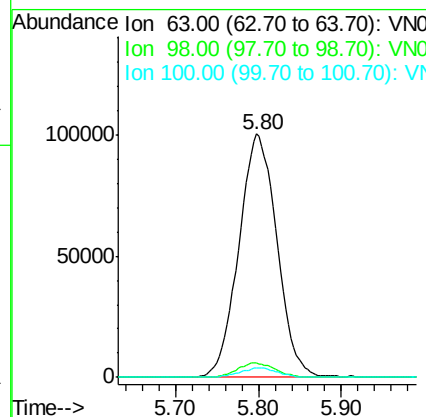
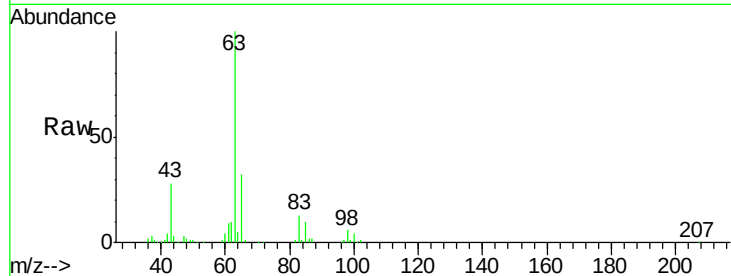
#21
 1,1-Dichloroethane
 Concen: 51.042 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	320300		
98	5.9	3.3	9.8	
100	3.9	2.0	5.8	

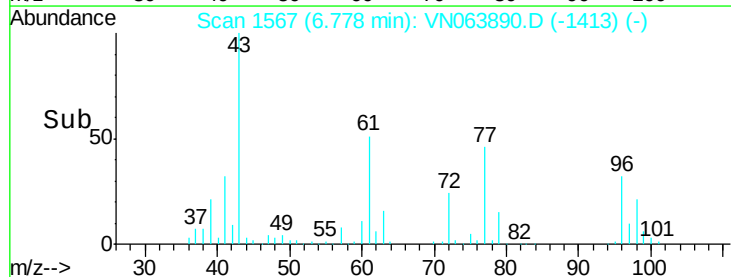
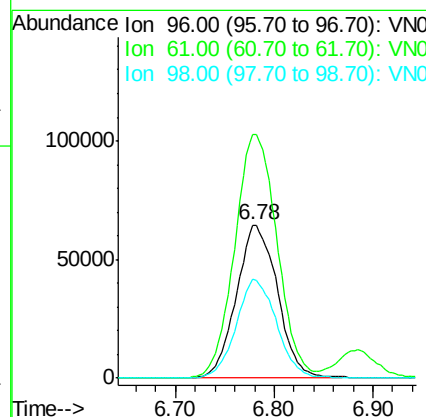
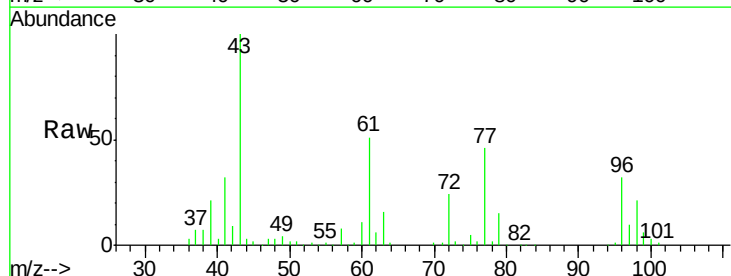
Manual Integrations
 APPROVED

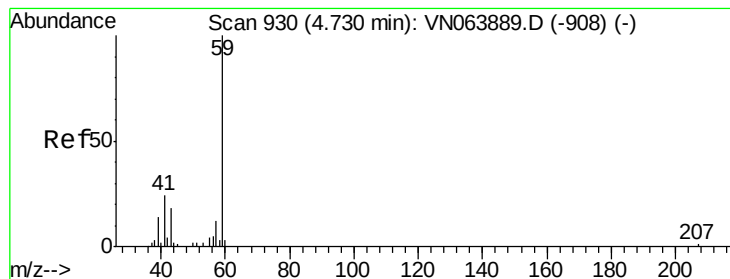
MMDadoda
 10/7/2020 12:11:32 PM



#22
 cis-1,2-Dichloroethene
 Concen: 51.993 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	186489		
61	164.1	139.6	209.4	
98	63.7	53.4	80.0	





#23

tert-Butyl Alcohol

Concen: 294.250 ug/l

RT: 4.73 min Scan# 930

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 59 Resp: 154403

Ion Ratio Lower Upper

59 100

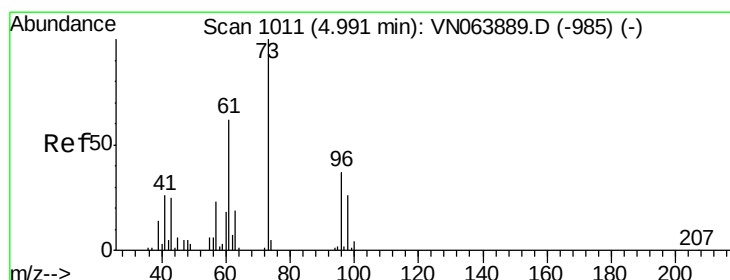
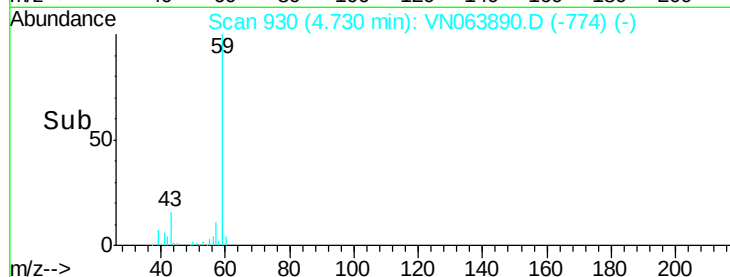
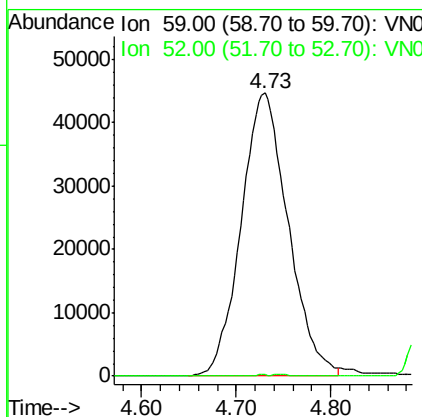
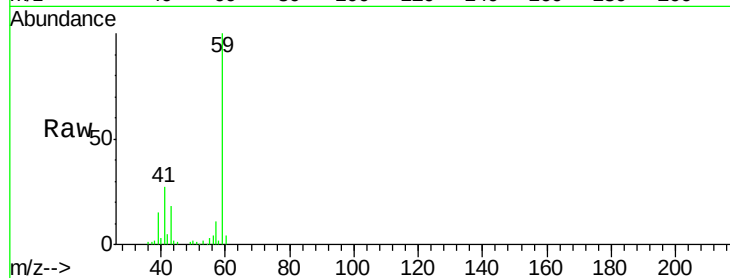
52 0.2 0.0 0.0#

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:11:32 PM



#24

Methyl tert-Butyl Ether

Concen: 50.546 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VN063890.D

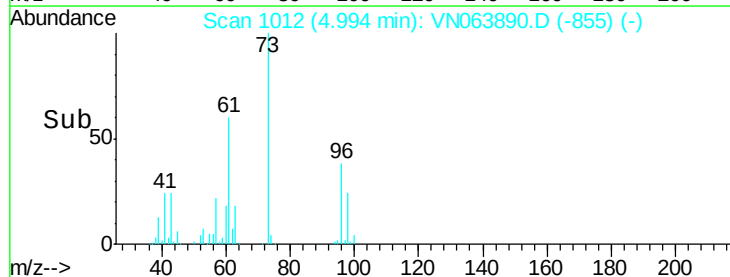
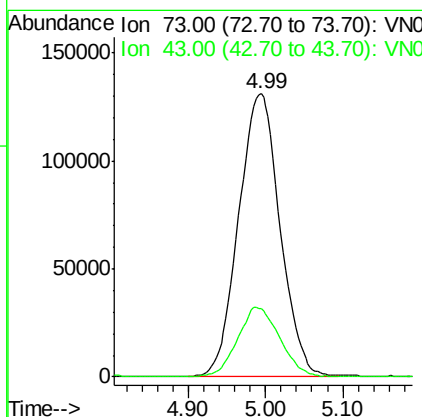
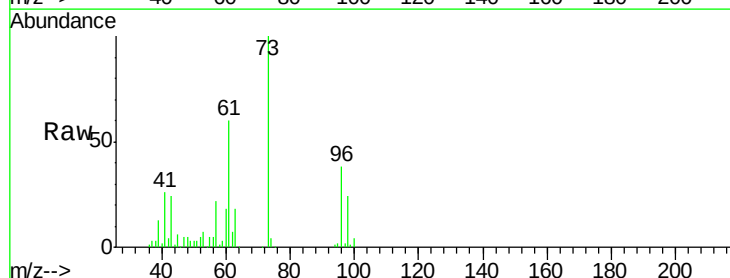
Acq: 6 Oct 2020 11:15

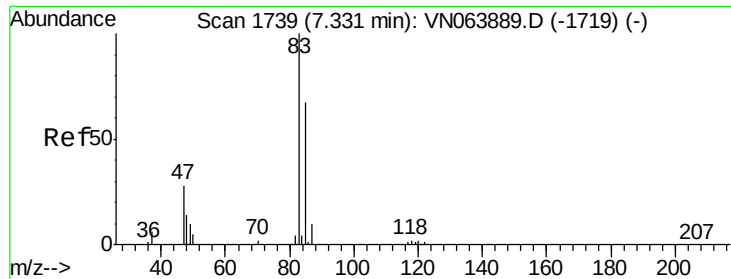
Tgt Ion: 73 Resp: 488541

Ion Ratio Lower Upper

73 100

43 24.3 6.4 9.6#





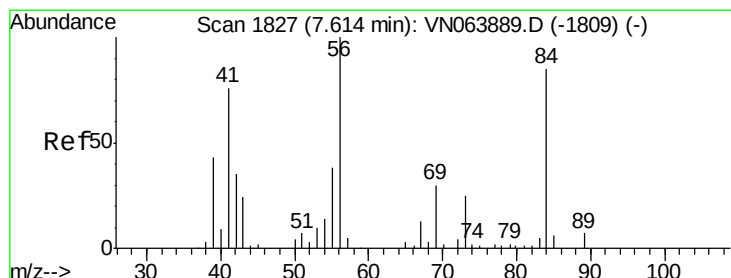
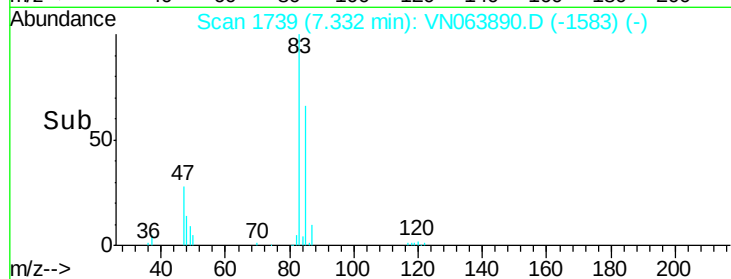
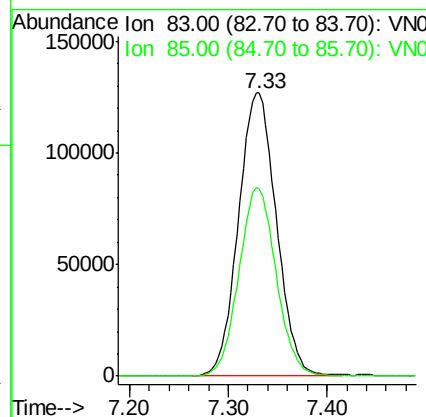
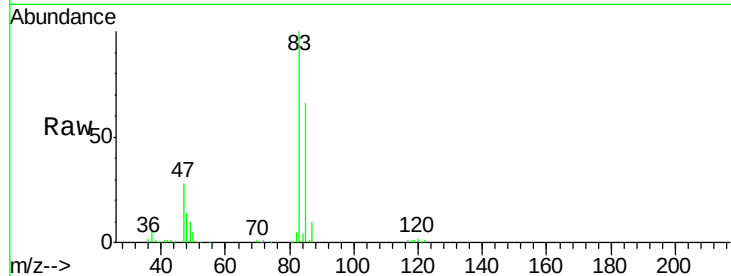
#25
Chloroform
Concen: 53.350 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	83	Resp	337561
Ion Ratio	100	Lower	Upper
85	66.0	53.2	79.8

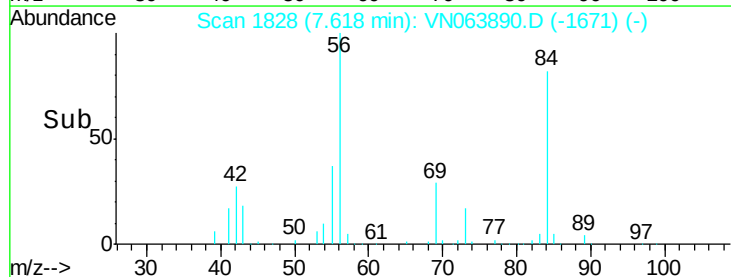
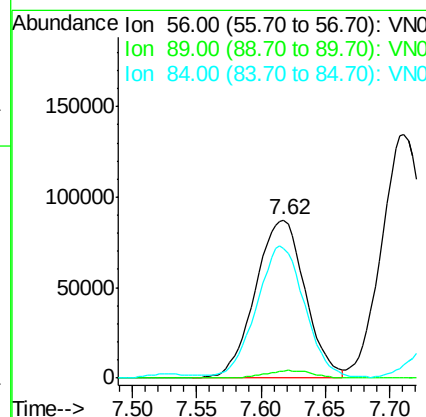
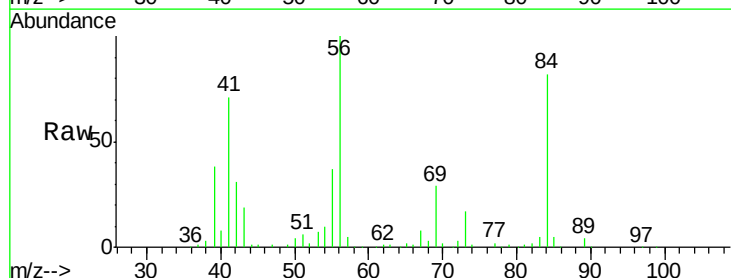
Manual Integrations
APPROVED

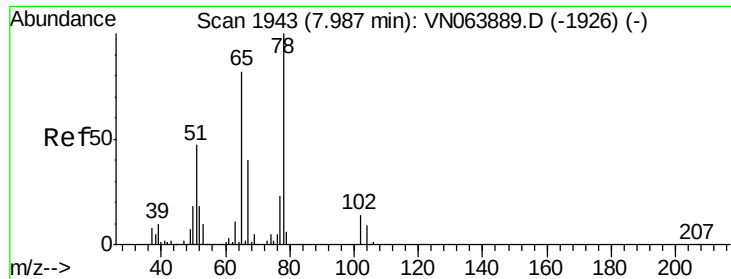
MMDadoda
10/7/2020 12:11:32 PM



#26
Cyclohexane
Concen: 45.587 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion	56	Resp	235307
Ion Ratio	100	Lower	Upper
89	4.5	5.4	8.2#
84	81.6	68.2	102.2





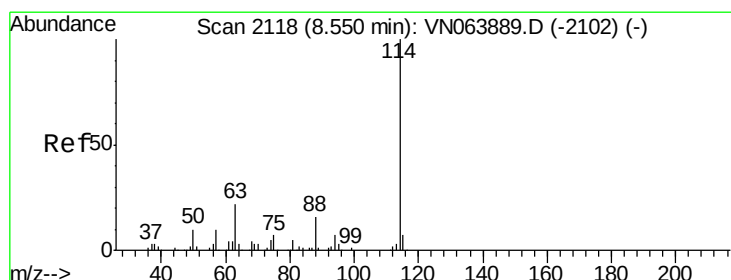
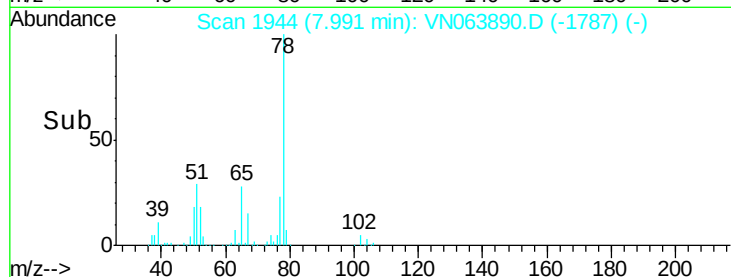
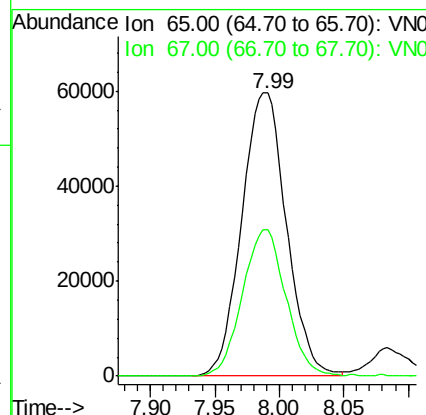
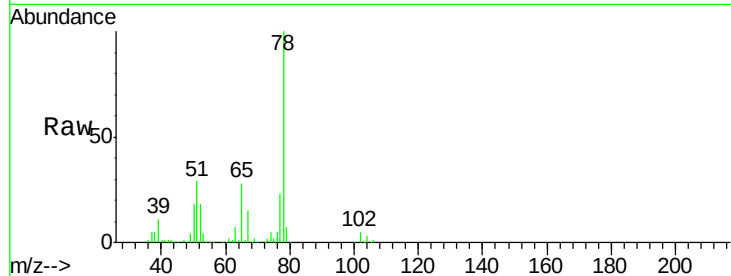
#27
 1,2-Dichloroethane-d4
 Concen: 35.638 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.5	40.0	60.0

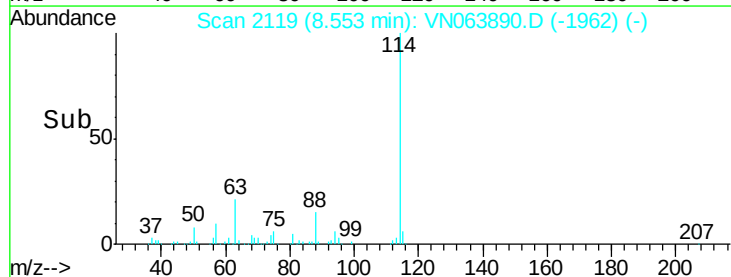
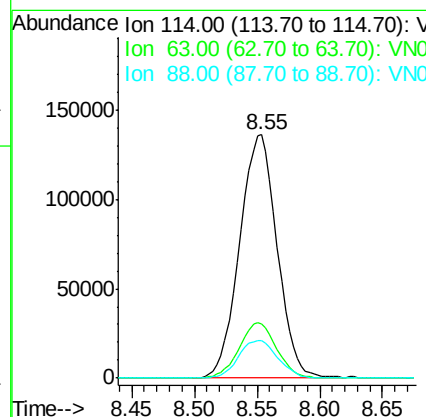
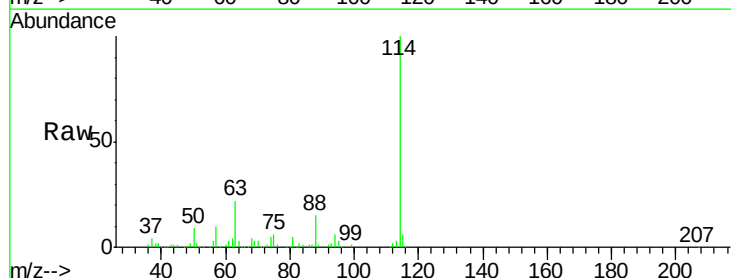
Manual Integrations
 APPROVED

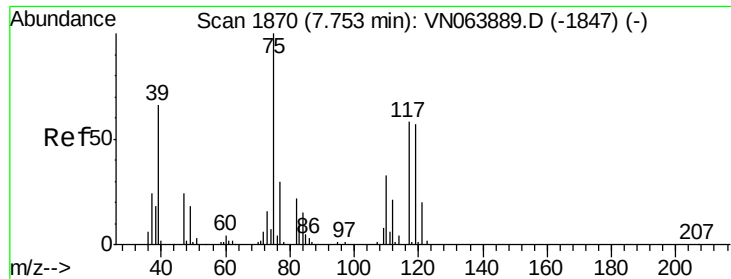
MMDadoda
 10/7/2020 12:11:32 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.8	18.6	28.0
88	16.2	12.9	19.3





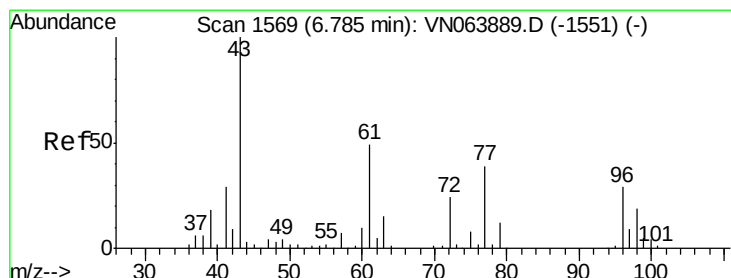
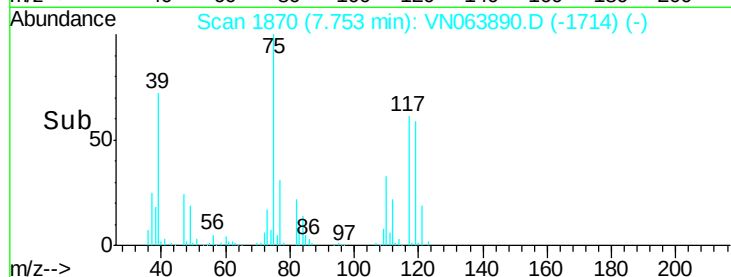
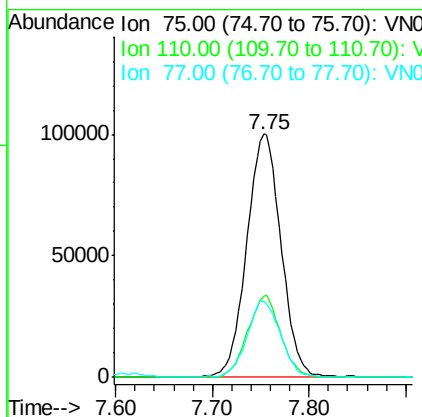
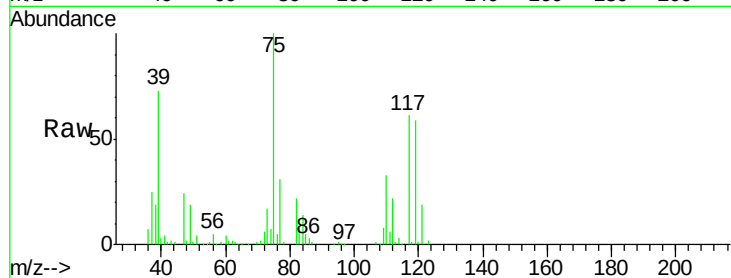
#29
 1,1-Dichloropropene
 Concen: 55.633 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.3	0.0	66.6
77	30.8	0.0	61.4

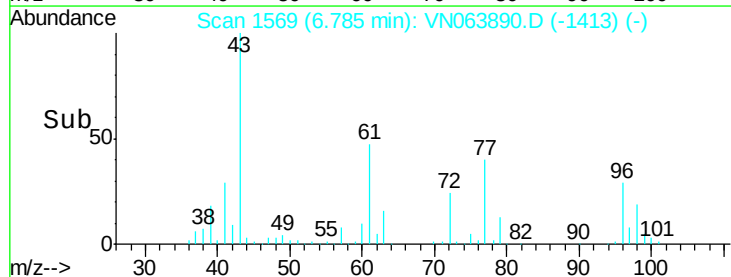
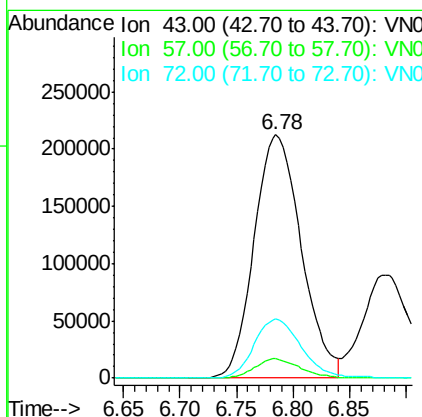
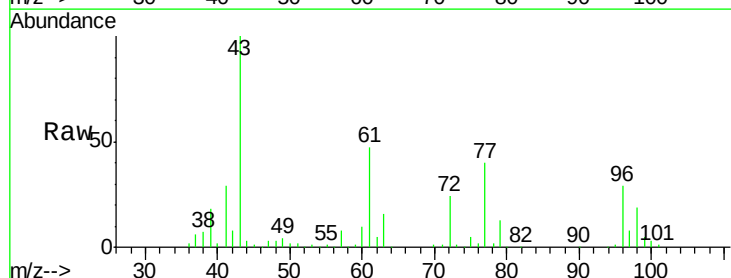
Manual Integrations
 APPROVED

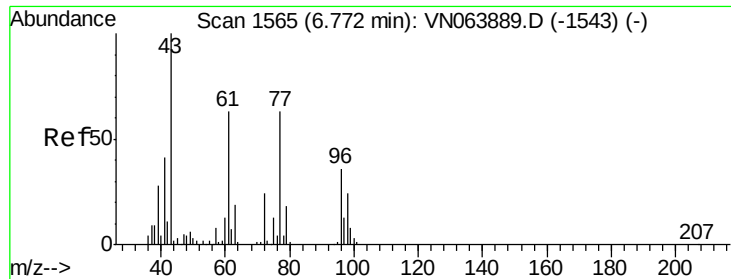
MMDadoda
 10/7/2020 12:11:32 PM



#30
 2-Butanone
 Concen: 295.640 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.7	6.2	9.2
72	24.1	19.4	29.2





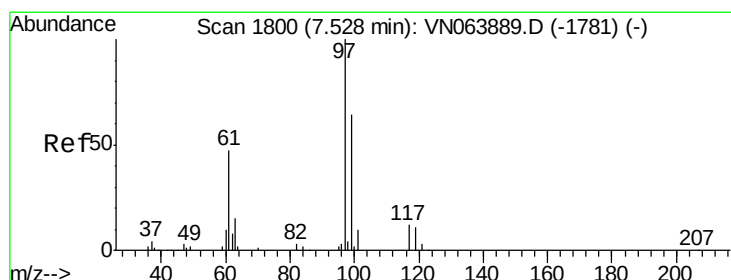
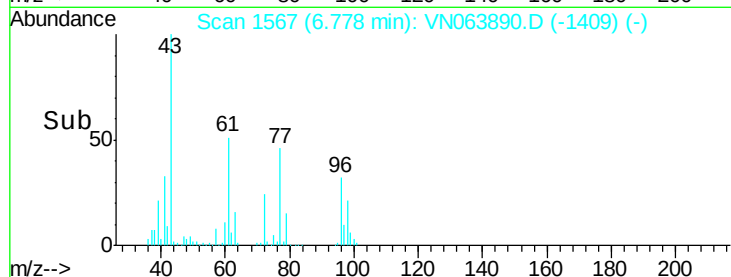
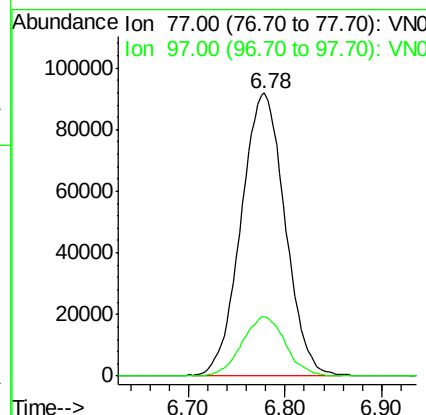
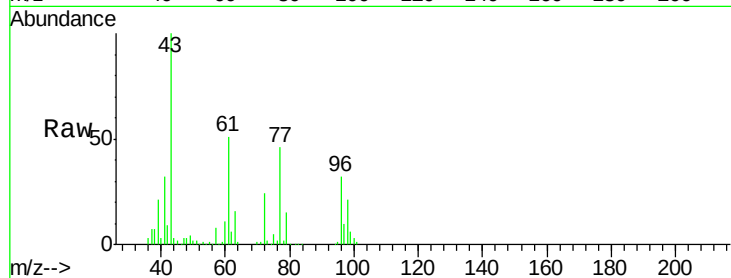
#31
 2,2-Dichloropropane
 Concen: 53.733 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
77	100		
97	20.9	10.2	15.2#

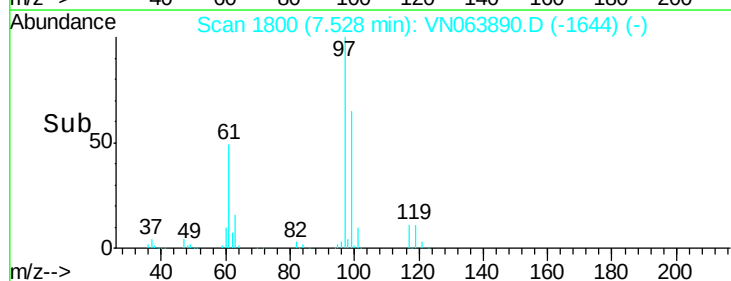
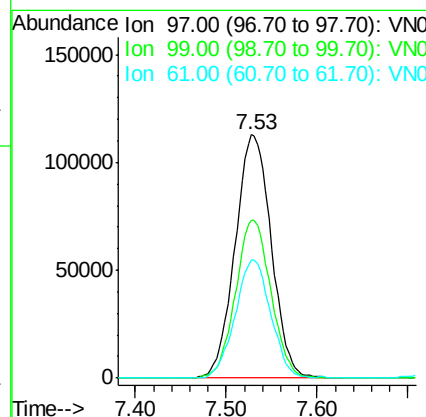
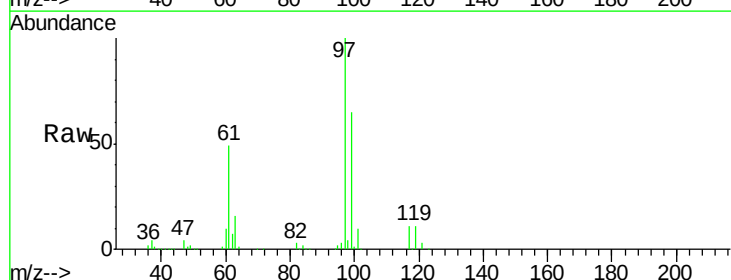
Manual Integrations
 APPROVED

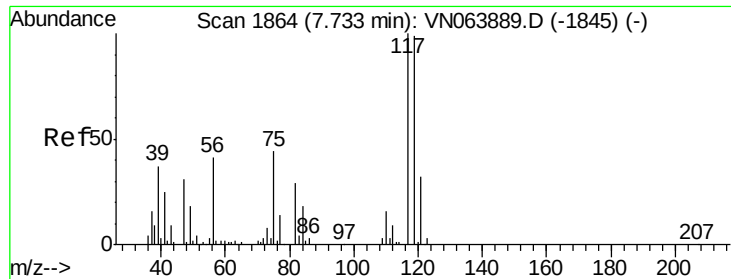
MMDadoda
 10/7/2020 12:11:32 PM



#32
 1,1,1-Trichloroethane
 Concen: 57.625 ug/l
 RT: 7.53 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	49.7	74.5
61	47.6	38.6	57.8





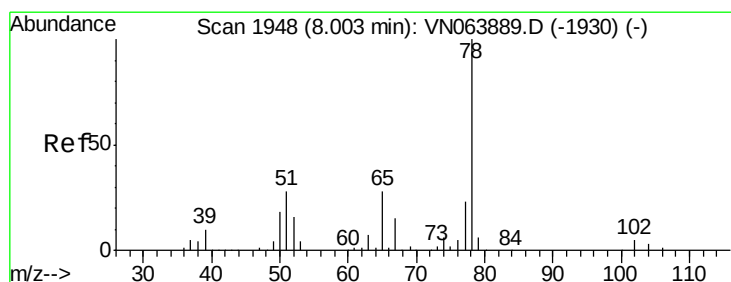
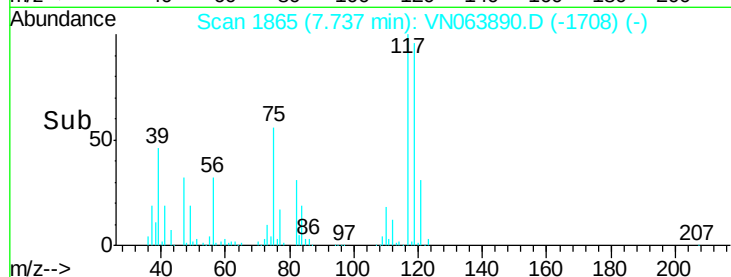
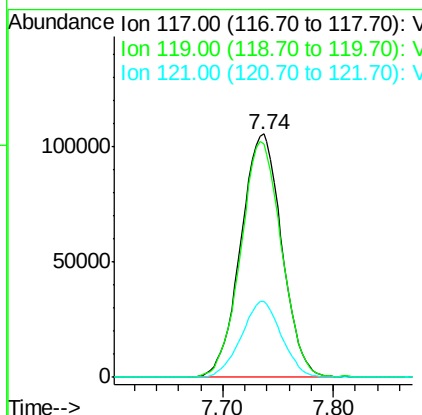
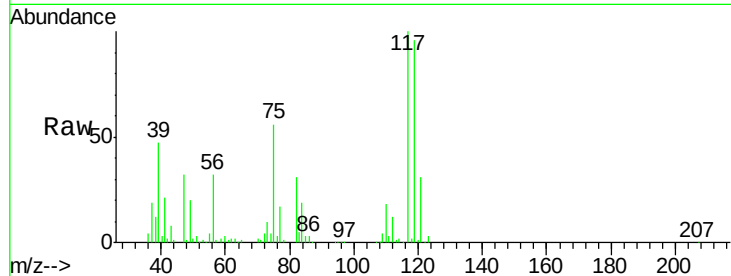
#33
Carbon Tetrachloride
Concen: 58.881 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.0	79.3	118.9
121	31.4	25.7	38.5

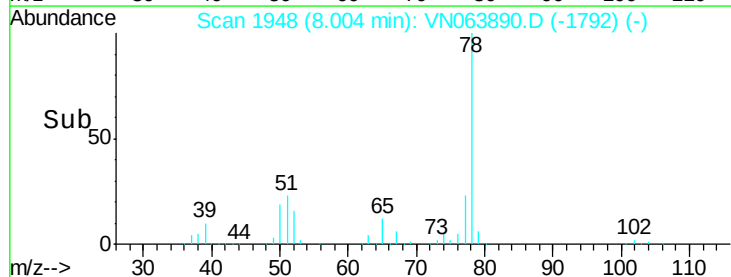
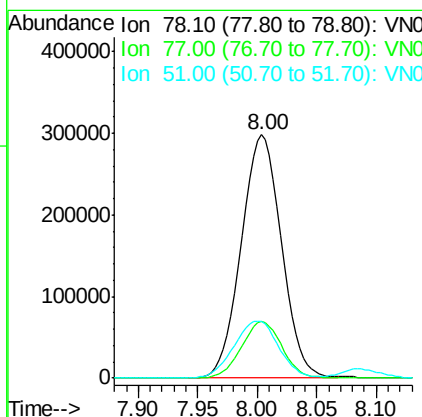
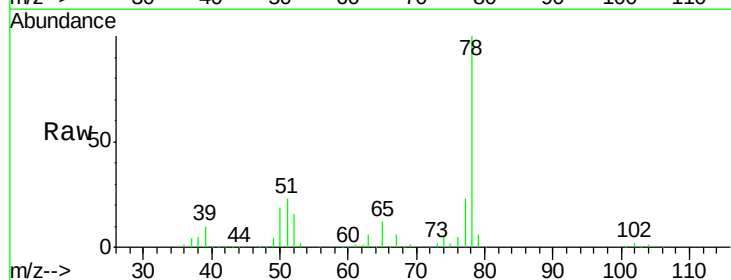
Manual Integrations
APPROVED

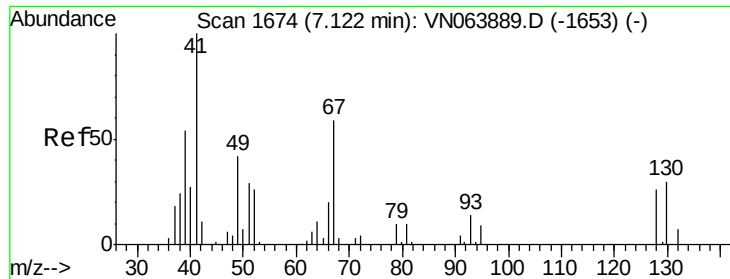
MMDadoda
10/7/2020 12:11:32 PM



#34
Benzene
Concen: 50.935 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.5	27.7
51	23.2	22.7	34.1





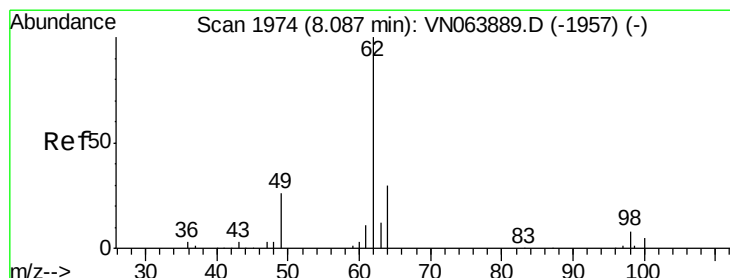
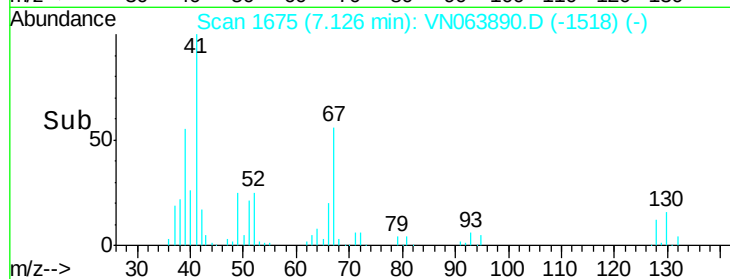
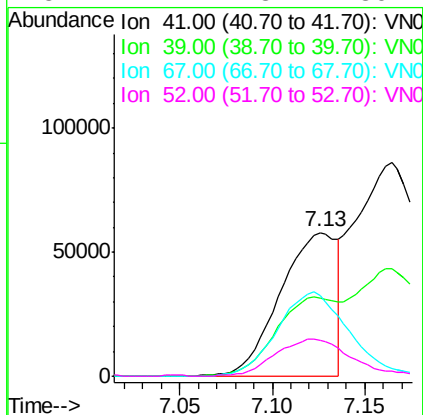
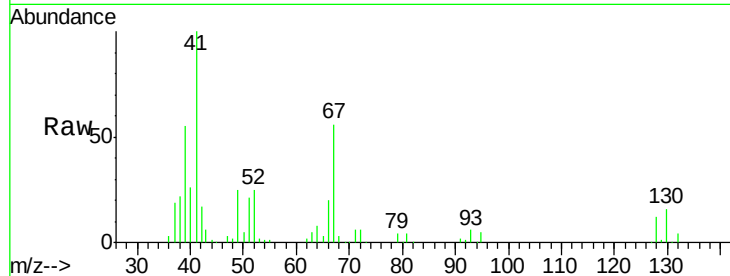
#35
Methacrylonitrile
Concen: 64.359 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.7	26.8	80.3
67	56.5	29.8	89.3
52	24.7	13.1	39.1

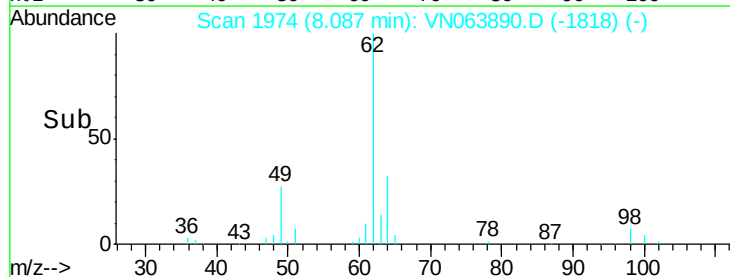
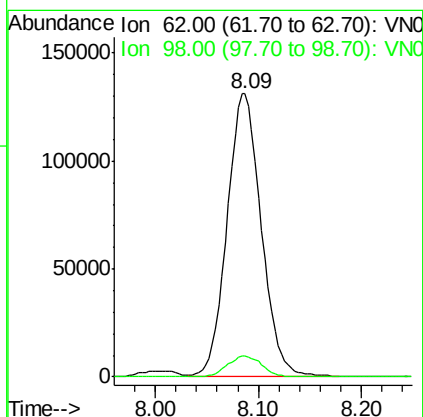
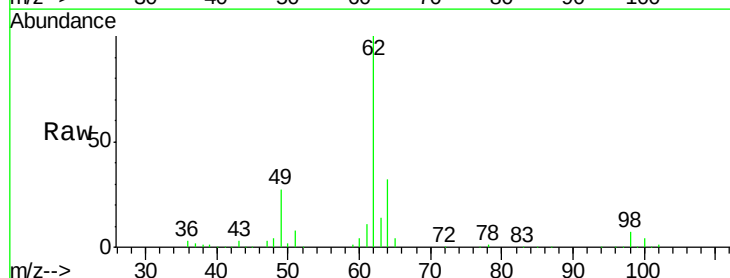
Manual Integrations
APPROVED

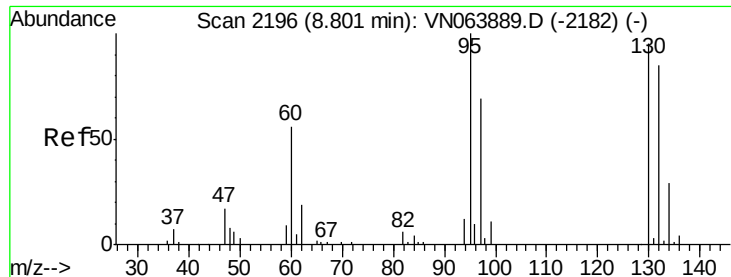
MMDadoda
10/7/2020 12:11:32 PM



#36
1,2-Dichloroethane
Concen: 60.960 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.5	5.9	8.9





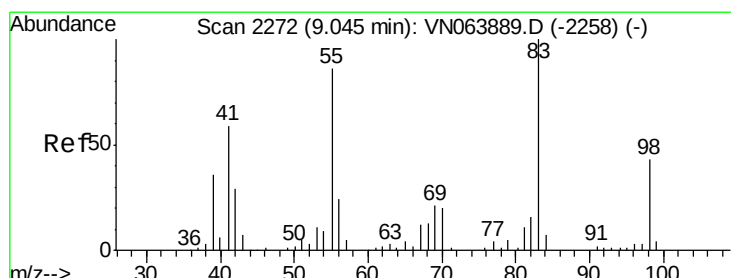
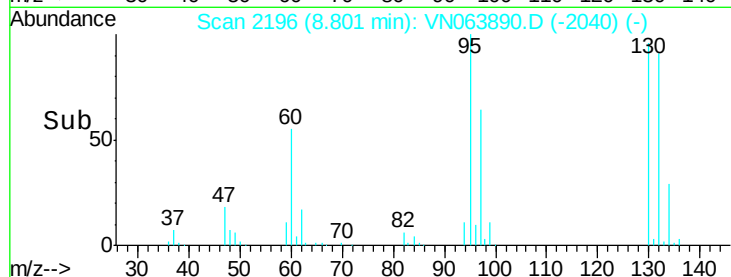
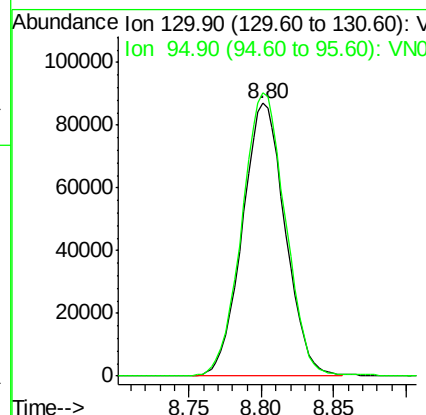
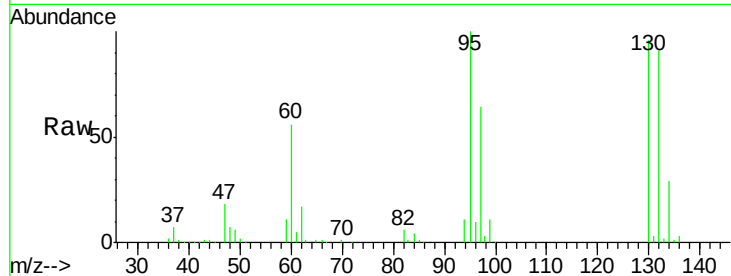
#37
 Trichloroethene
 Concen: 52.664 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 178914
 Ion Ratio Lower Upper
 130 100
 95 103.5 84.5 126.7

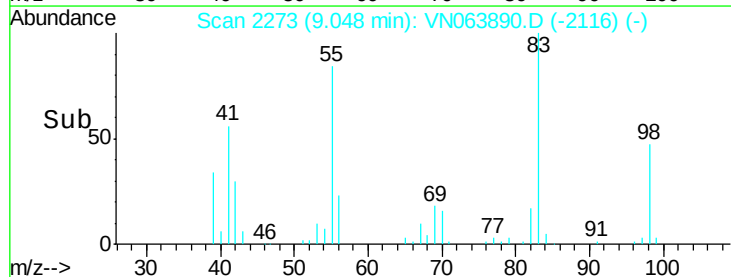
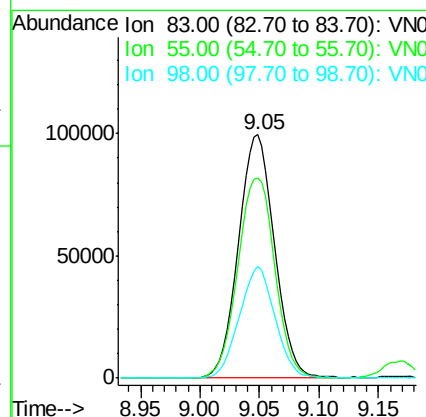
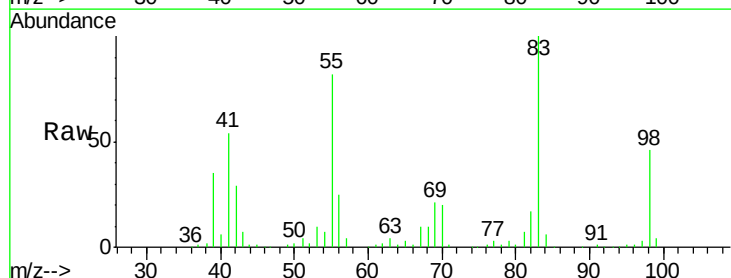
Manual Integrations
 APPROVED

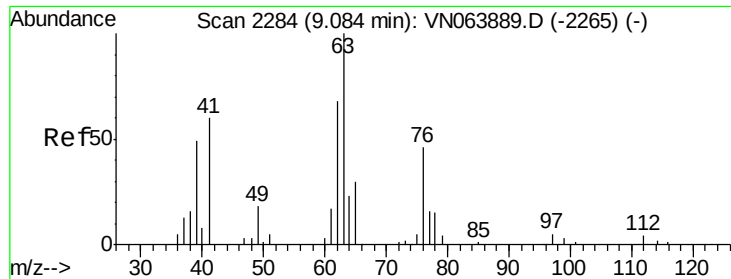
MMDadoda
 10/7/2020 12:11:32 PM



#38
 Methylcyclohexane
 Concen: 40.902 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion: 83 Resp: 209311
 Ion Ratio Lower Upper
 83 100
 55 84.5 42.4 127.1
 98 45.1 21.6 64.6





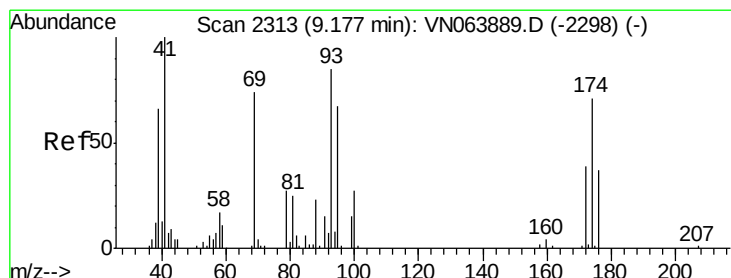
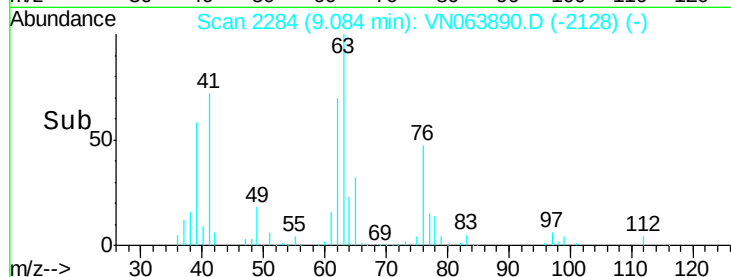
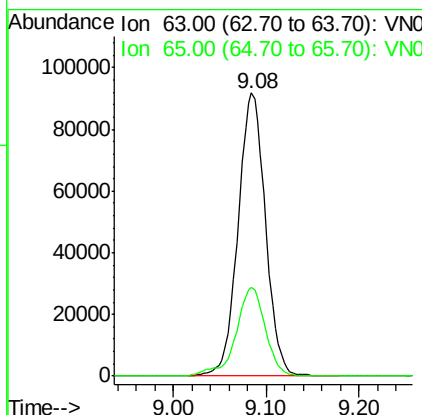
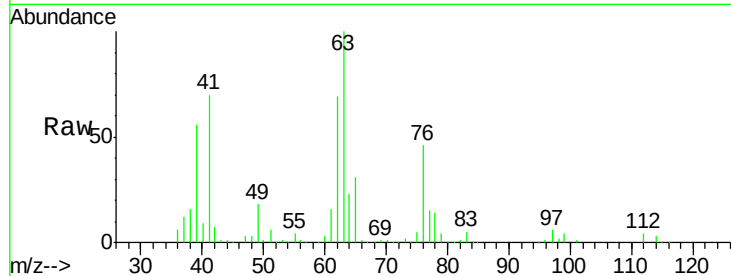
#39
 1,2-Dichloropropane
 Concen: 47.639 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 63 Resp: 188293
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.7 37.1

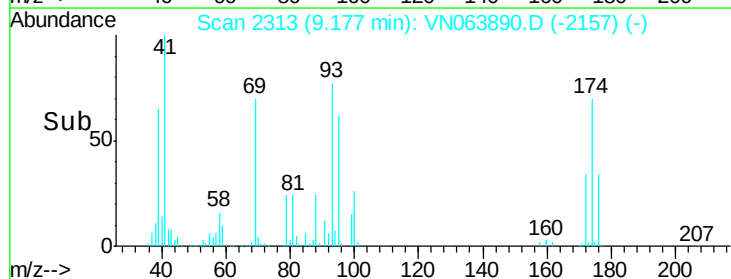
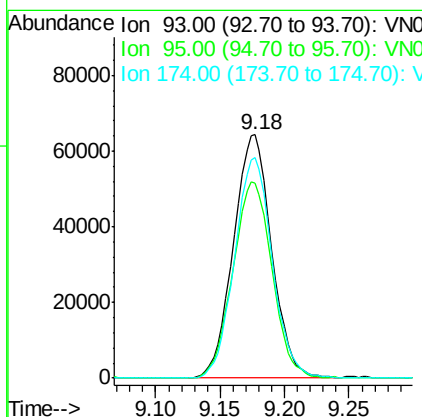
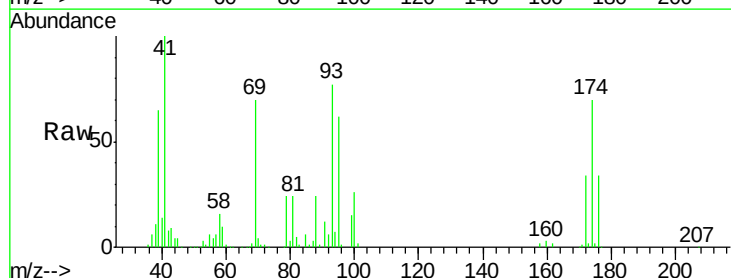
Manual Integrations
 APPROVED

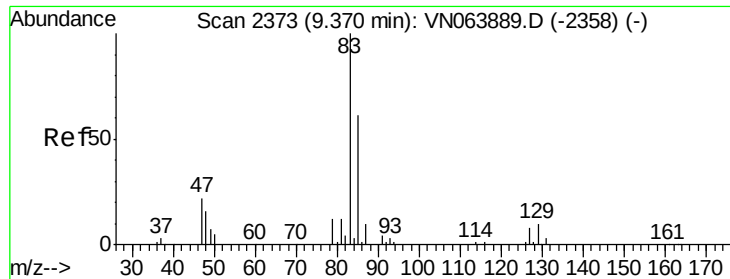
MMDadoda
 10/7/2020 12:11:32 PM



#40
 Dibromomethane
 Concen: 55.432 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion: 93 Resp: 132656
 Ion Ratio Lower Upper
 93 100
 95 82.3 0.0 162.0
 174 89.5 0.0 176.6





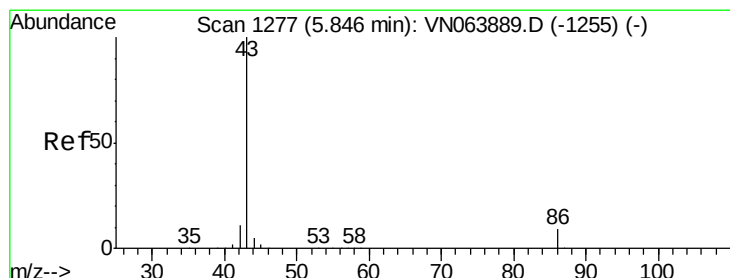
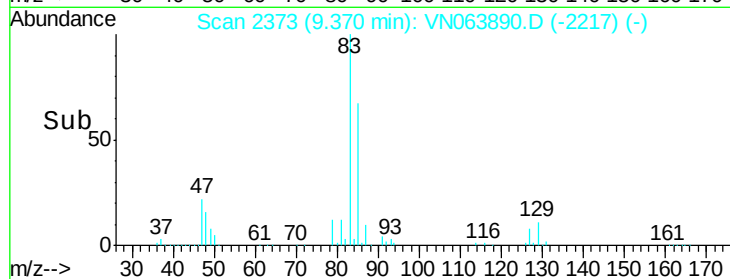
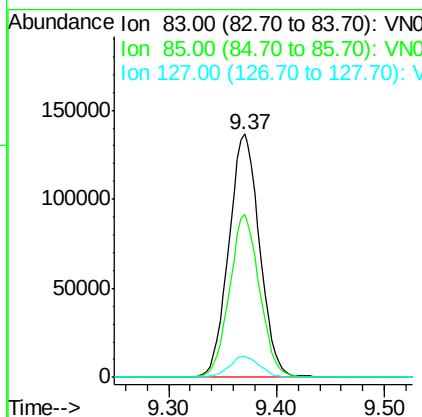
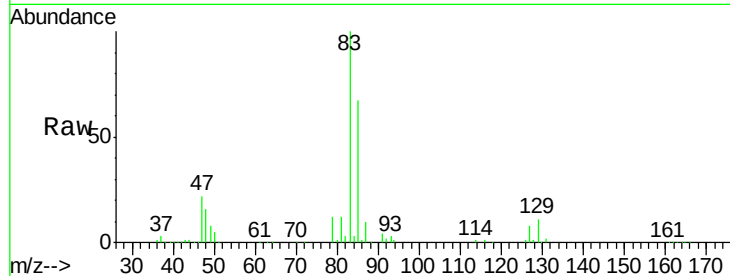
#41
Bromodichloromethane
Concen: 52.234 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.9	49.0	73.6
127	8.5	6.7	10.1

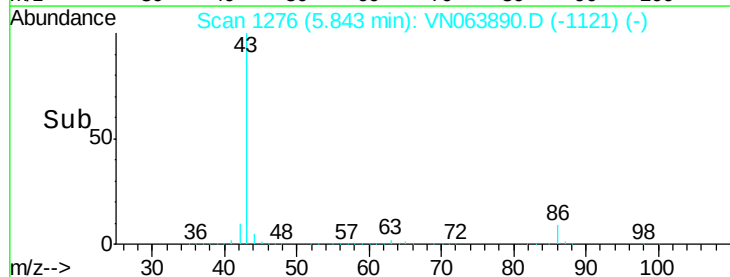
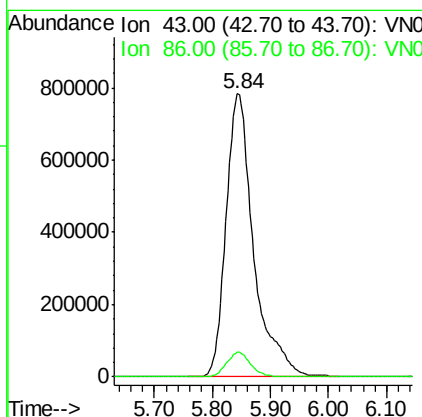
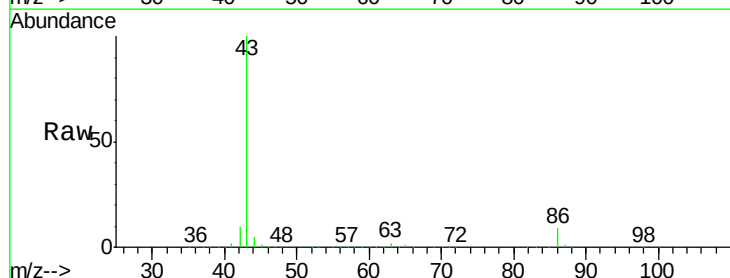
Manual Integrations
APPROVED

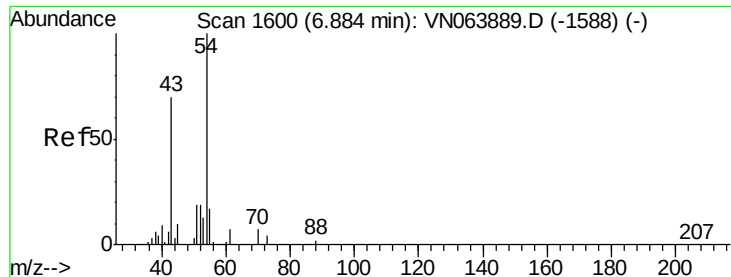
MMDadoda
10/7/2020 12:11:32 PM



#42
Vinyl Acetate
Concen: 319.550 ug/l
RT: 5.84 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.4	9.6





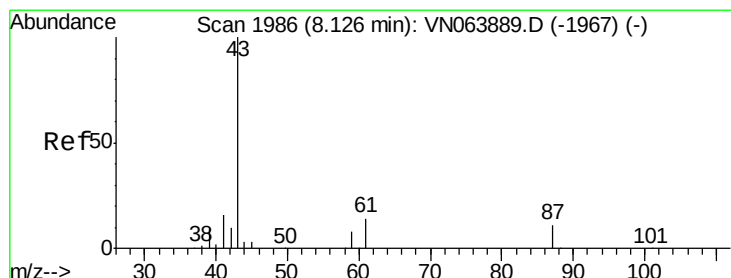
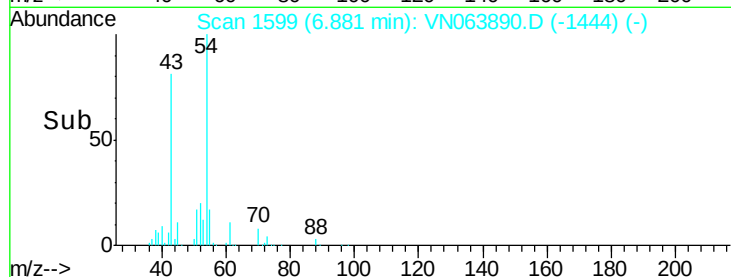
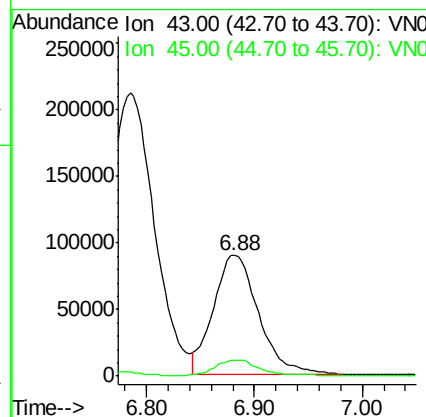
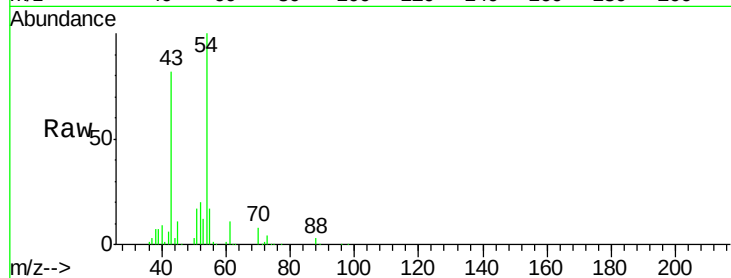
#43
Ethyl Acetate
Concen: 64.280 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	43	45	Ratio	Lower	Upper
259301	100	12.4		10.2	15.4

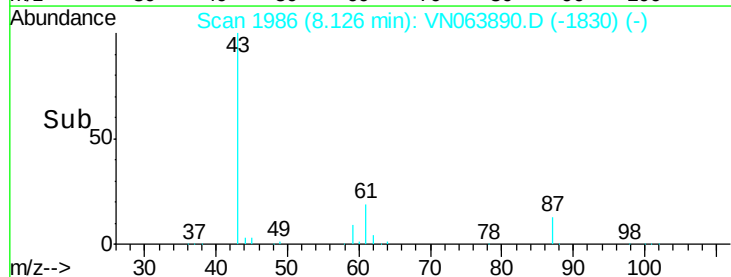
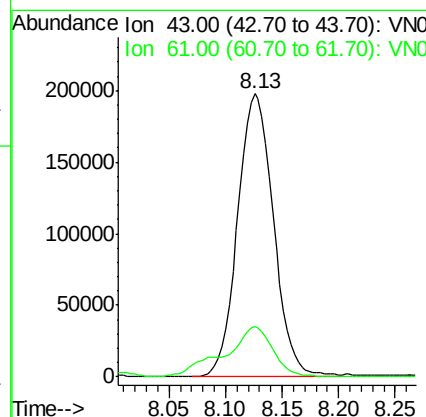
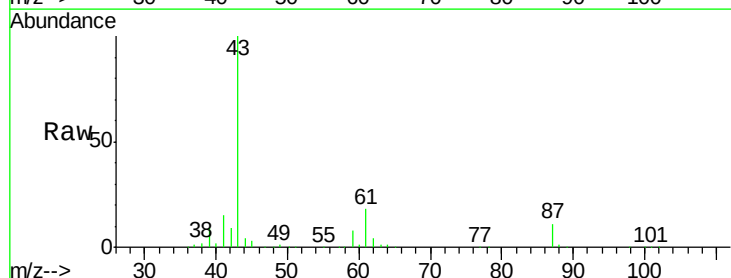
Manual Integrations
APPROVED

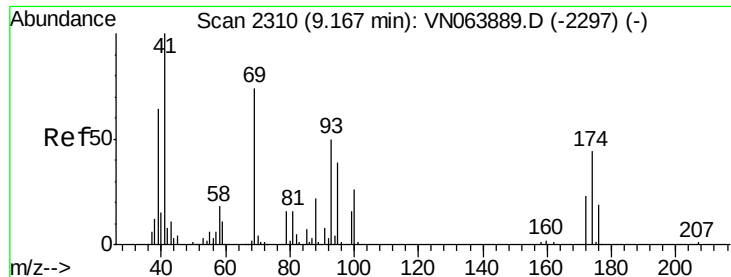
MMDadoda
10/7/2020 12:11:32 PM



#44
Isopropyl Acetate
Concen: 63.136 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion	43	61	Ratio	Lower	Upper
435269	100	17.6		0.0	0.0#





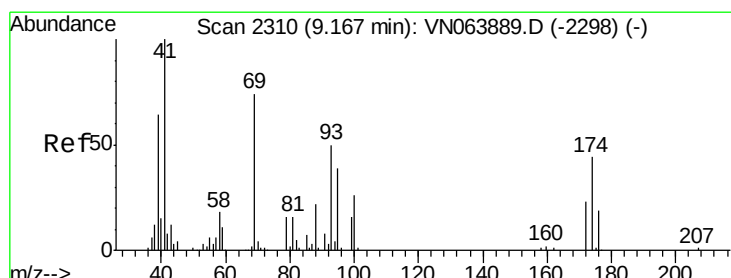
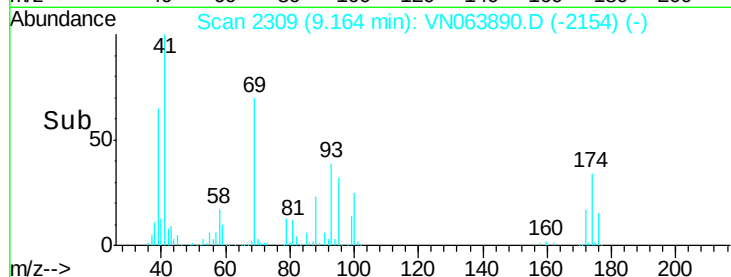
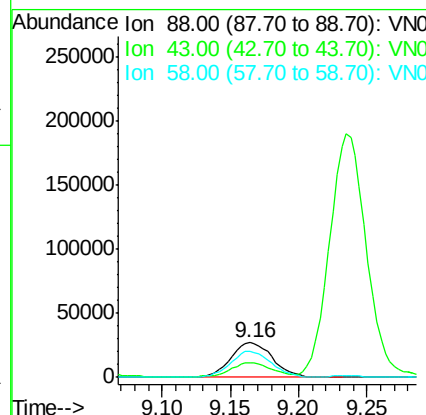
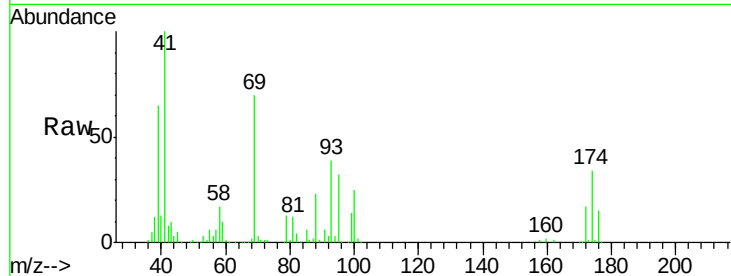
#45
1,4-Dioxane
Concen: 984.825 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.7	34.0	51.0
58	73.1	64.9	97.3

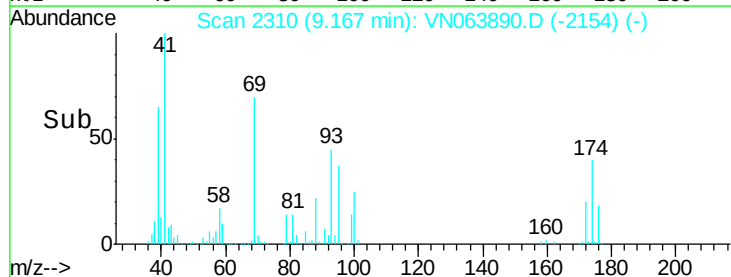
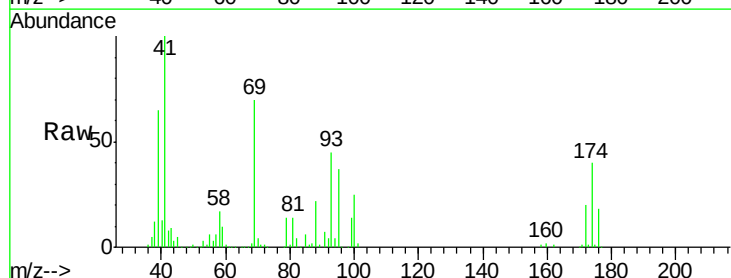
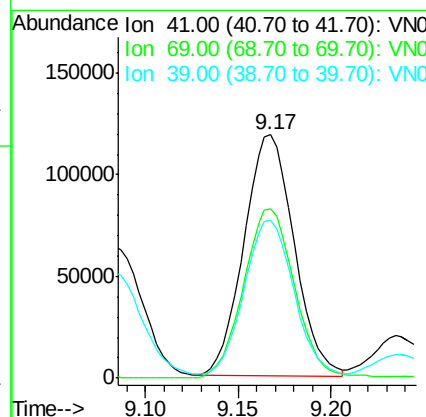
Manual Integrations
APPROVED

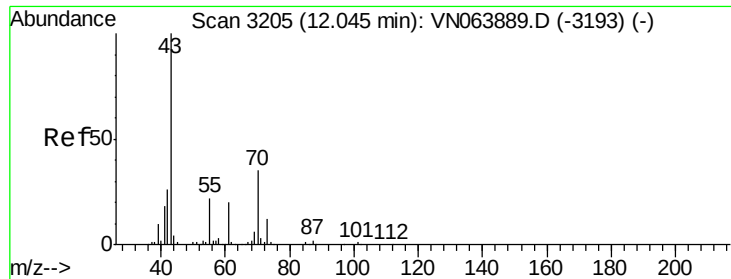
MMDadoda
10/7/2020 12:11:32 PM



#46
Methyl methacrylate
Concen: 65.308 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	70.3	36.9	110.7
39	63.9	31.9	95.5





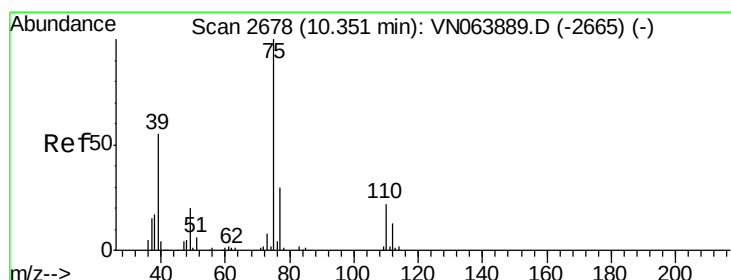
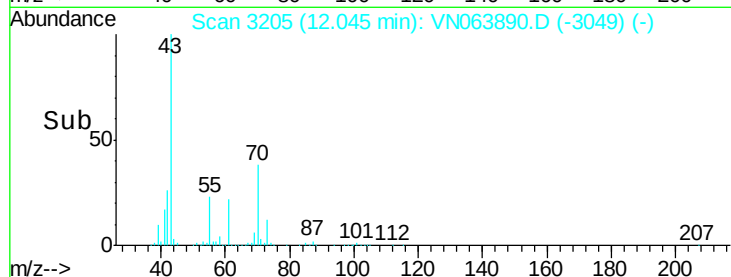
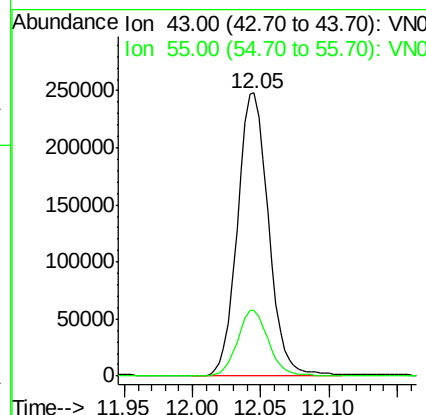
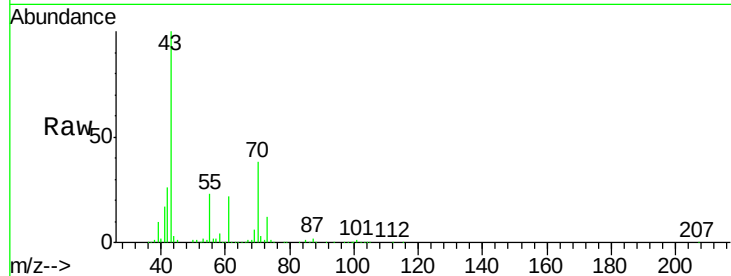
#47
n-amyl Acetate
Concen: 64.593 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion: 43 Resp: 391731
Ion Ratio Lower Upper
43 100
55 23.3 17.8 26.6

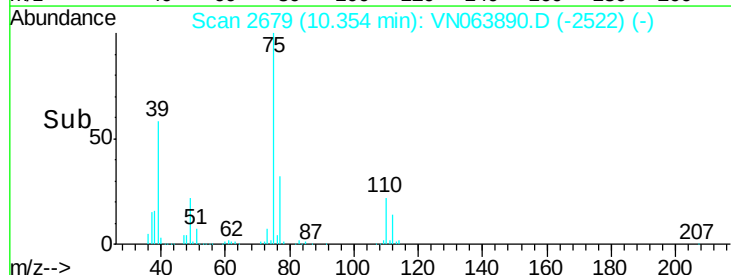
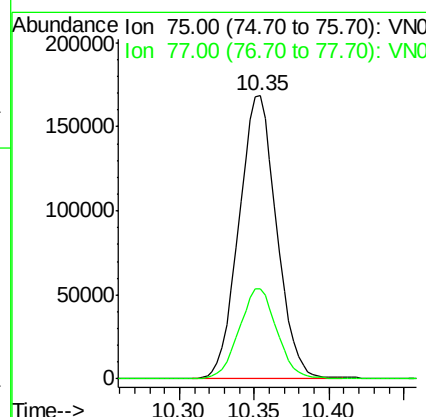
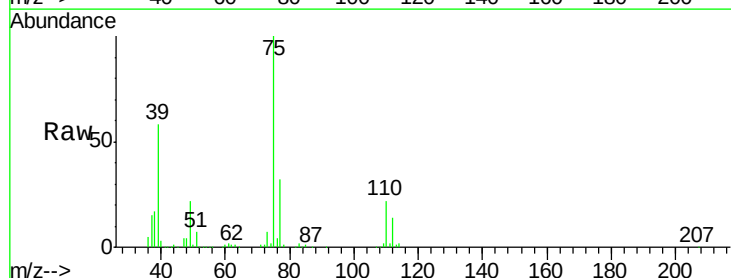
Manual Integrations
APPROVED

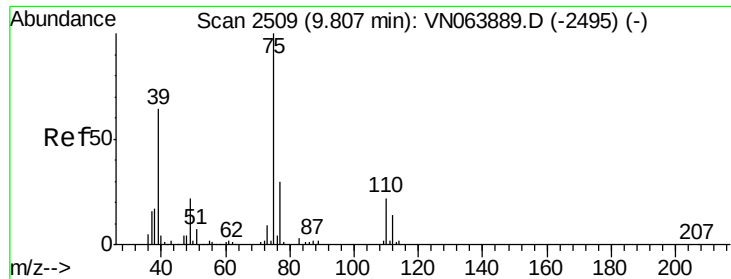
MMDadoda
10/7/2020 12:11:32 PM



#48
t-1,3-Dichloropropene
Concen: 53.363 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion: 75 Resp: 295664
Ion Ratio Lower Upper
75 100
77 32.0 24.2 36.4





#49

cis-1,3-Dichloropropene

Concen: 53.239 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

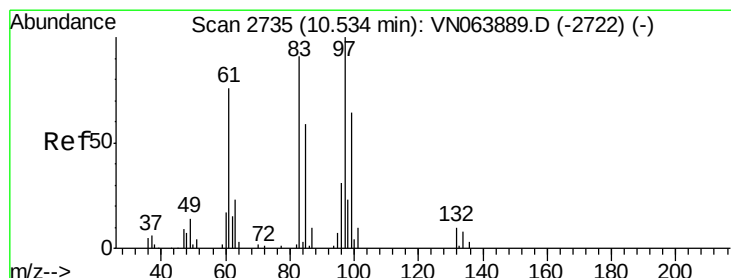
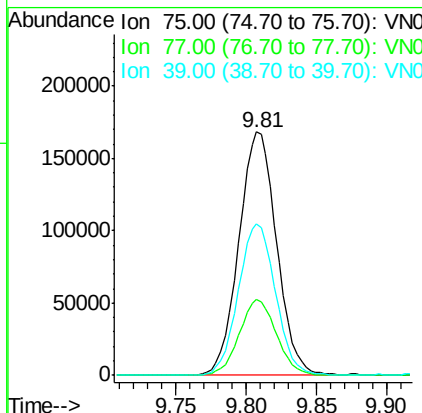
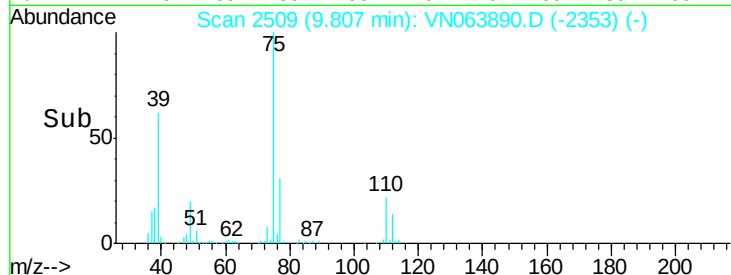
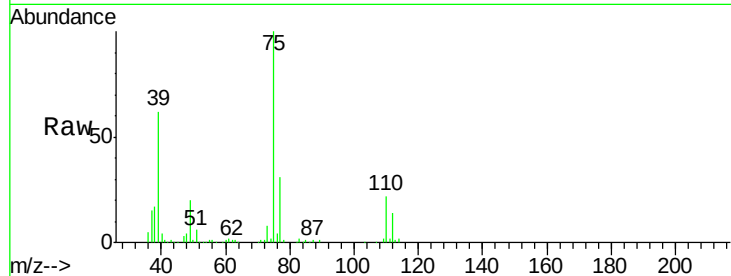
ClientSampled :

VSTDIC050

Tot Ion:	75	Resp:	315010
Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.1	36.1
39	62.1	51.0	76.4

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:32 PM



#50

1,1,2-Trichloroethane

Concen: 49.629 ug/l

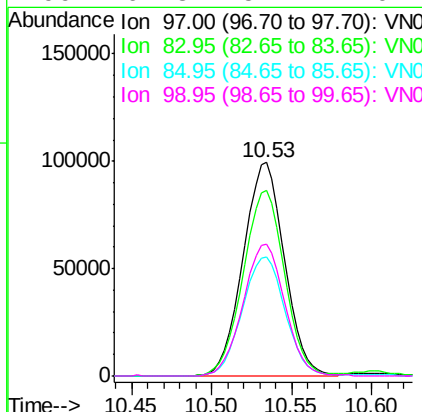
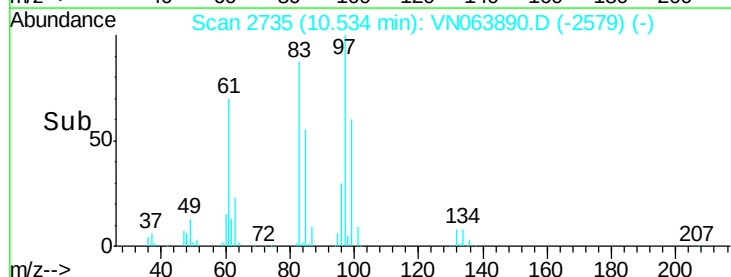
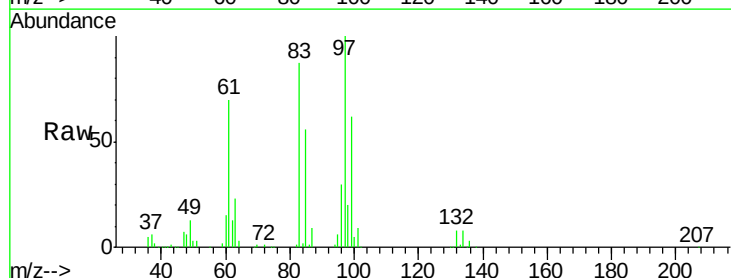
RT: 10.53 min Scan# 2735

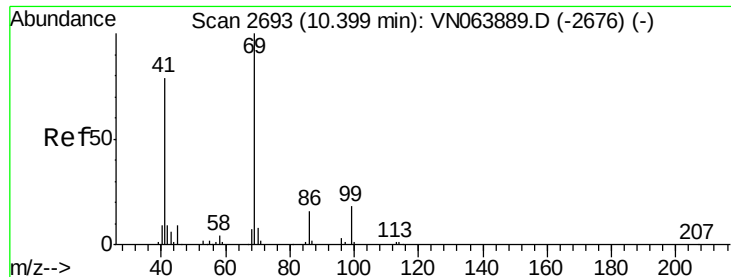
Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Tgt Ion:	97	Resp:	176091
Ion	Ratio	Lower	Upper
97	100		
83	86.8	73.0	109.6
85	55.5	46.9	70.3
99	61.3	51.1	76.7





#51

Ethyl methacrylate

Concen: 54.284 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

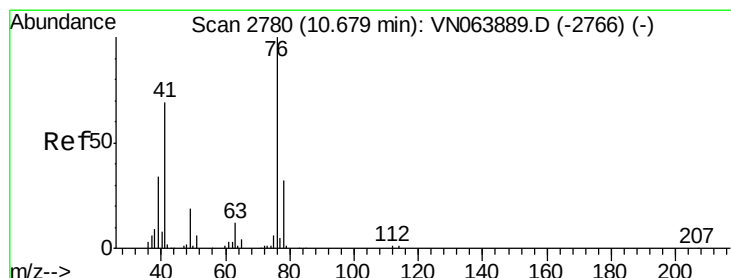
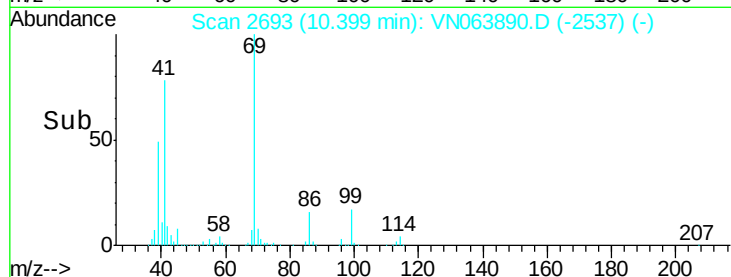
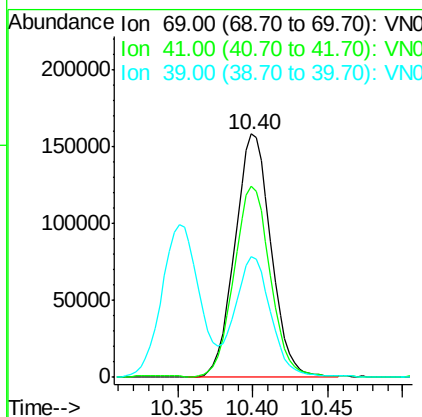
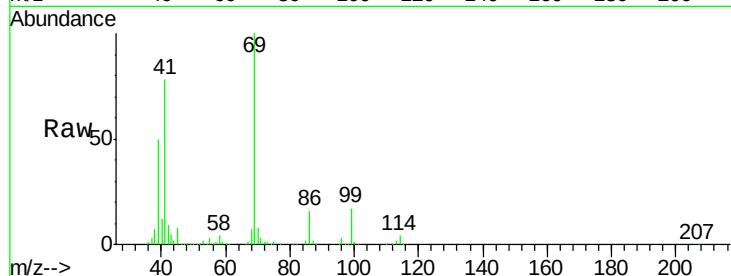
ClientSampleId :

VSTDIC050

Tot Ion:	69	Resp:	266644
Ion	Ratio	Lower	Upper
69	100		
41	78.2	39.6	118.7
39	49.0	25.9	77.6

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:32 PM



#52

1,3-Dichloropropane

Concen: 50.961 ug/l

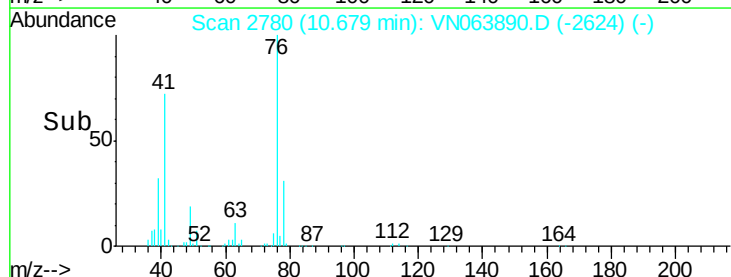
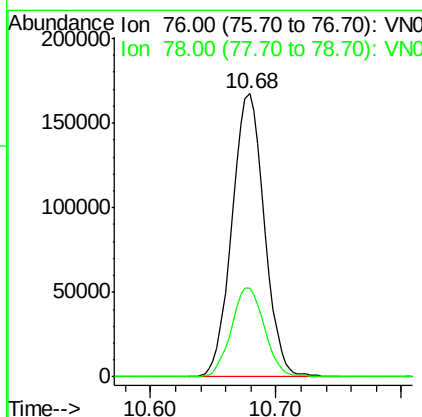
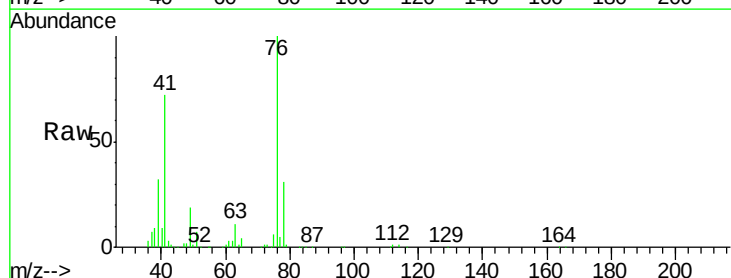
RT: 10.68 min Scan# 2780

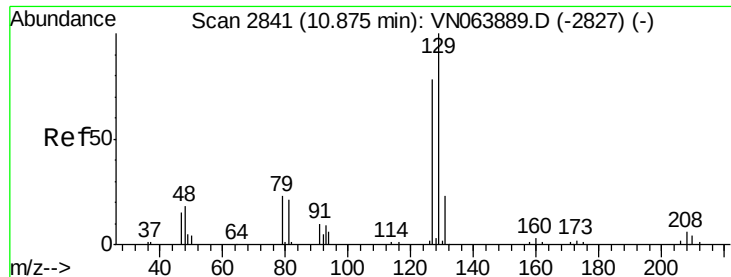
Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Tgt Ion:	76	Resp:	300199
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	66.0





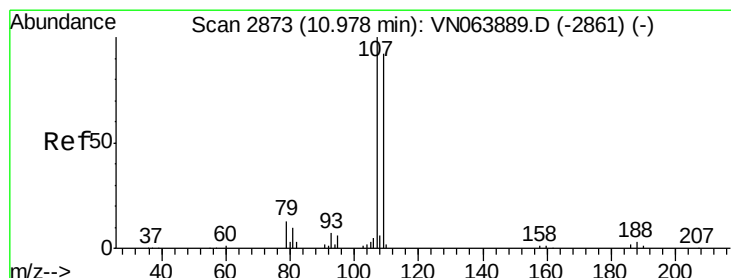
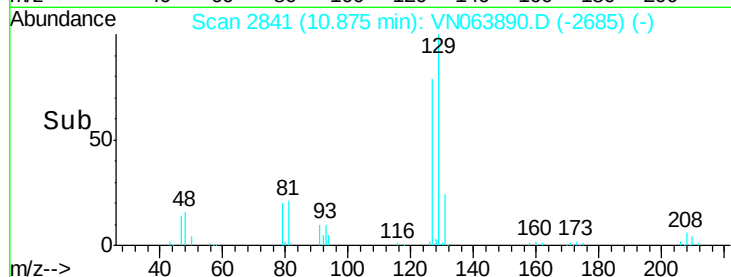
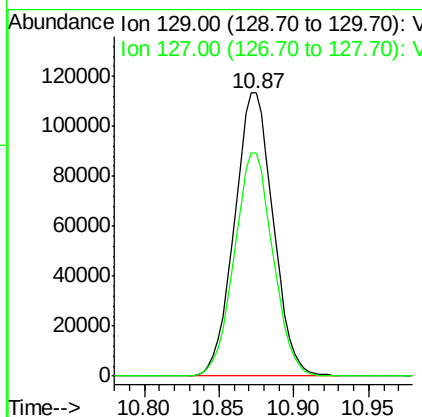
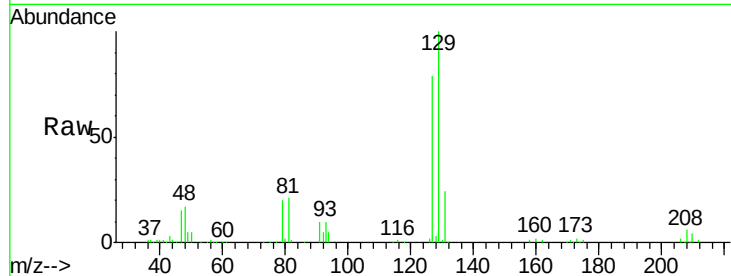
#53
Dibromochloromethane
Concen: 51.838 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:129 Resp: 204682
Ion Ratio Lower Upper
129 100
127 78.7 38.4 115.1

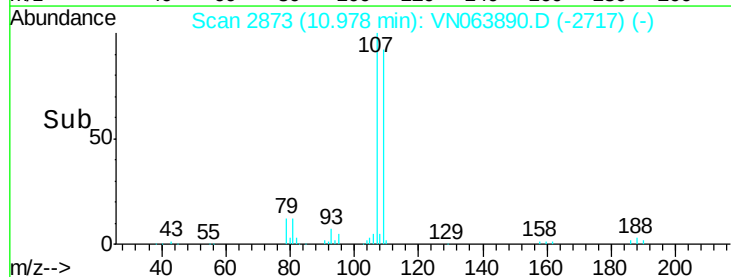
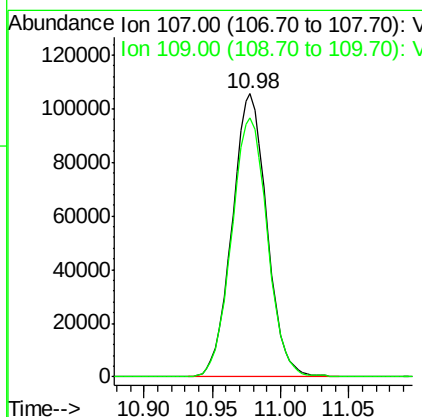
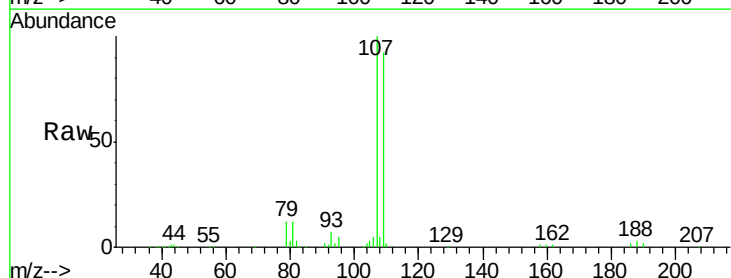
Manual Integrations
APPROVED

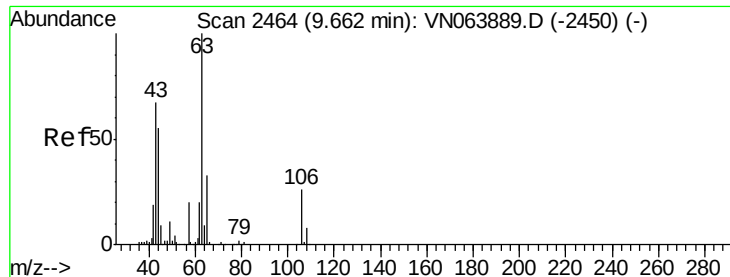
MMDadoda
10/7/2020 12:11:32 PM



#54
1,2-Dibromoethane
Concen: 53.639 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion:107 Resp: 186540
Ion Ratio Lower Upper
107 100
109 94.4 74.7 112.1





#55

2-Chloroethyl vinyl ether

Concen: 517.700 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 63 Resp: 697501

Ion Ratio Lower Upper

63 100

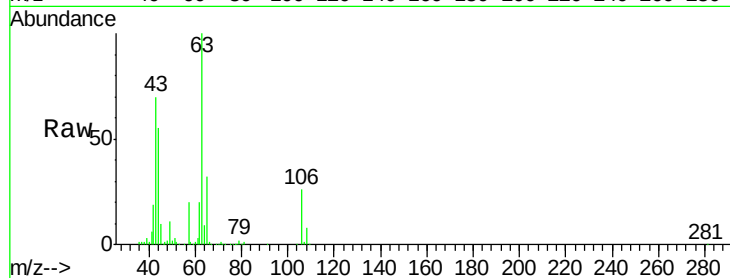
65 32.1 25.4 38.2

106 25.6 20.3 30.5

Manual Integrations
APPROVED

MMDadoda

10/7/2020 12:11:32 PM



Abundance Ion 63.00 (62.70 to 63.70): VN063889.D (-2450) (-)

Ion 65.00 (64.70 to 65.70): VN063889.D (-2450) (-)

Ion 106.00 (105.70 to 106.70): VN063889.D (-2450) (-)

9.66

400000

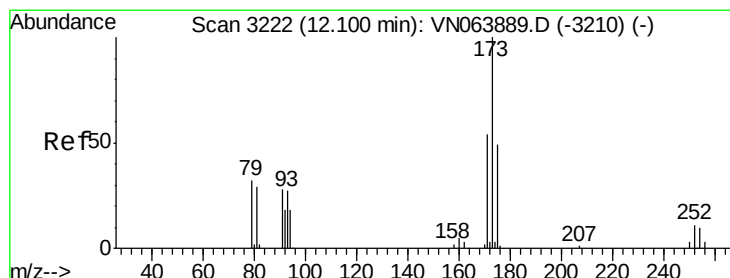
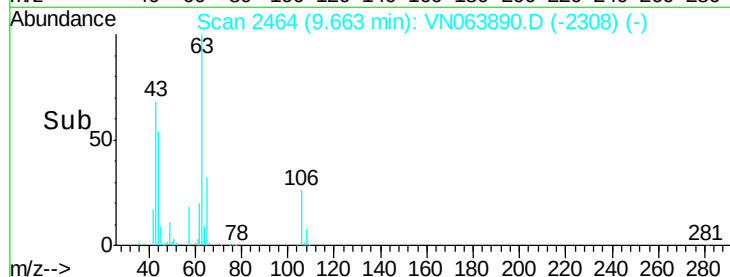
300000

200000

100000

0

Time-->



#56

Bromoform

Concen: 50.384 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

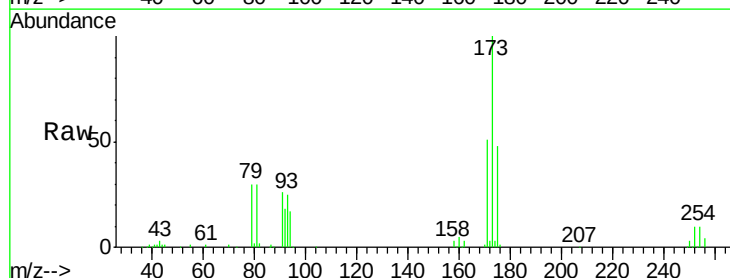
Tgt Ion: 173 Resp: 143614

Ion Ratio Lower Upper

173 100

175 48.0 39.4 59.2

254 9.6 7.8 11.6



Abundance Ion 173.00 (172.70 to 173.70): VN063889.D (-3210) (-)

Ion 175.00 (174.70 to 175.70): VN063889.D (-3210) (-)

Ion 254.00 (253.70 to 254.70): VN063889.D (-3210) (-)

12.10

100000

80000

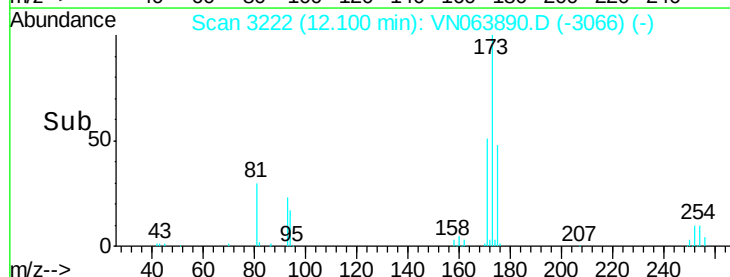
60000

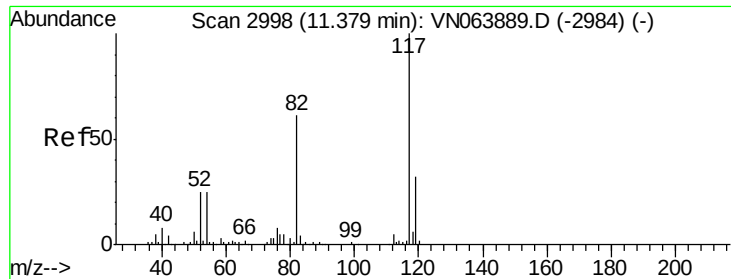
40000

20000

0

Time-->





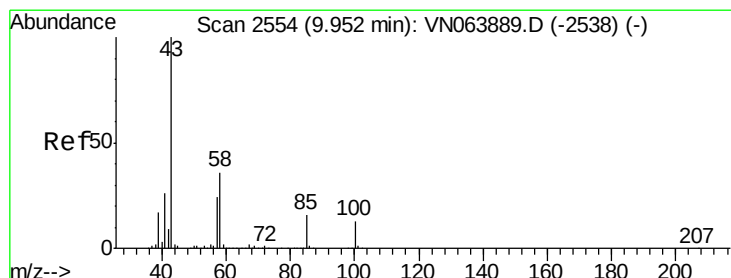
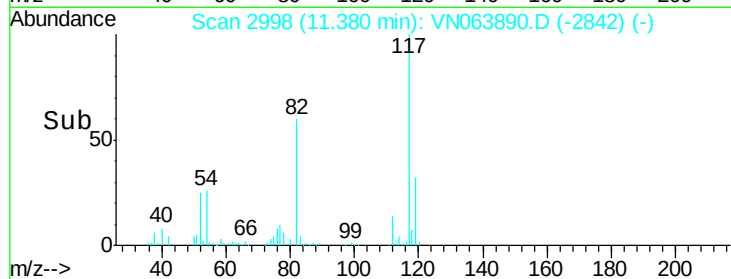
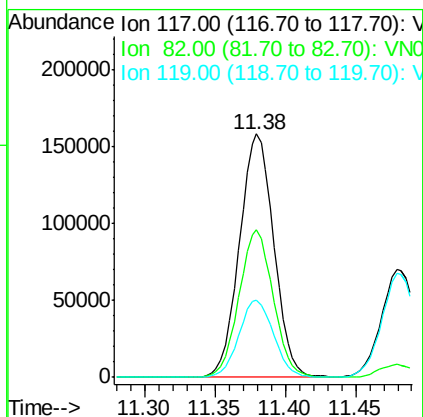
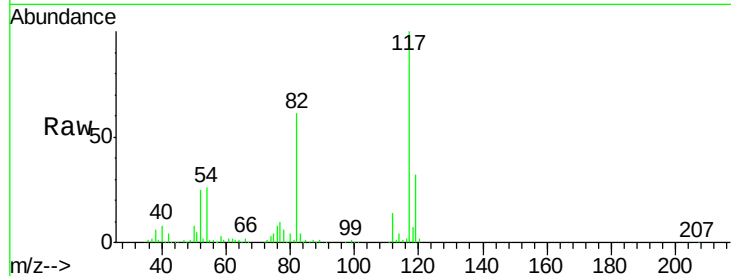
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.0	47.7	71.5
119	32.0	25.7	38.5

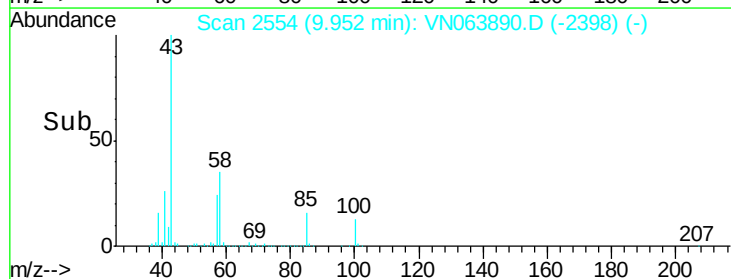
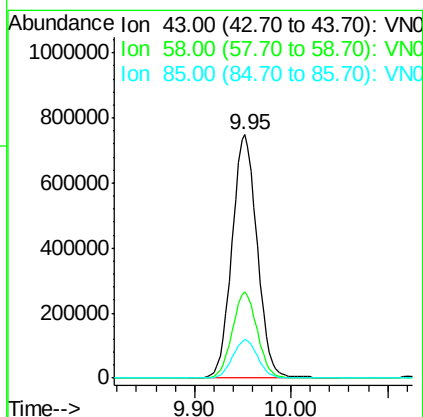
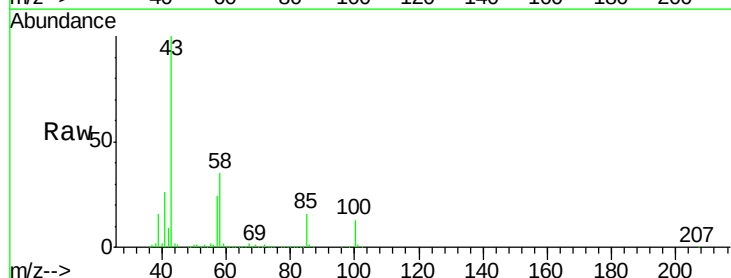
Manual Integrations
APPROVED

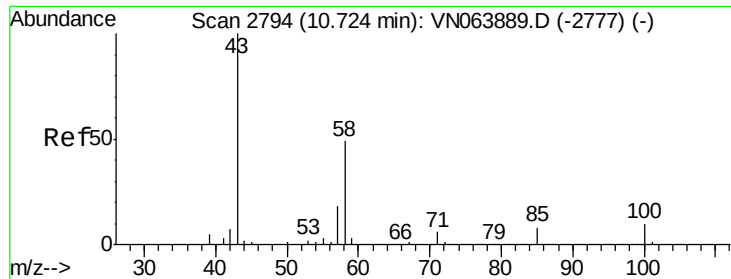
MMDadoda
10/7/2020 12:11:32 PM



#58
4-Methyl-2-Pentanone
Concen: 316.207 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.0	28.2	42.4
85	15.6	12.8	19.2





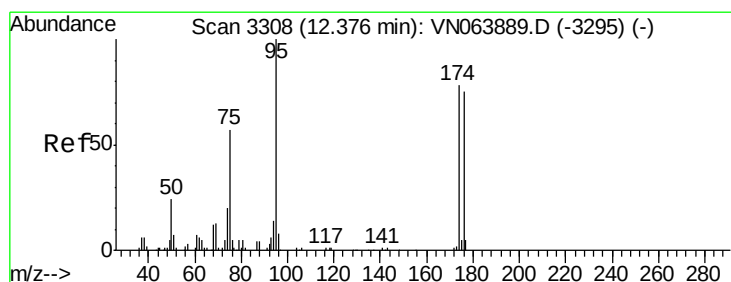
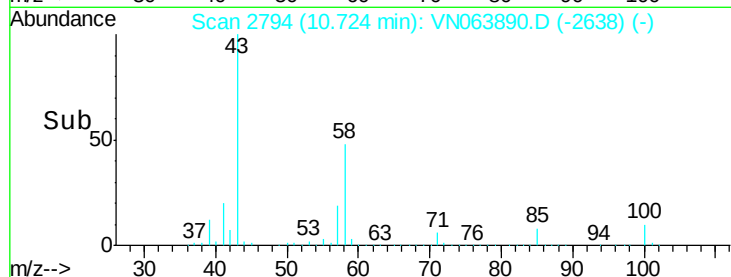
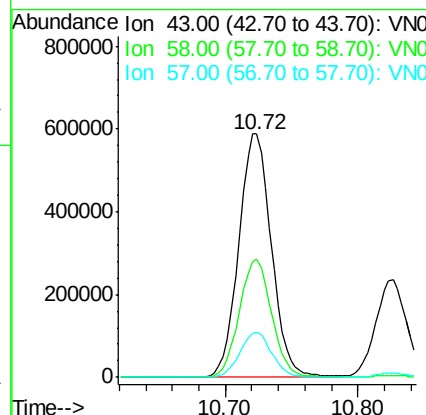
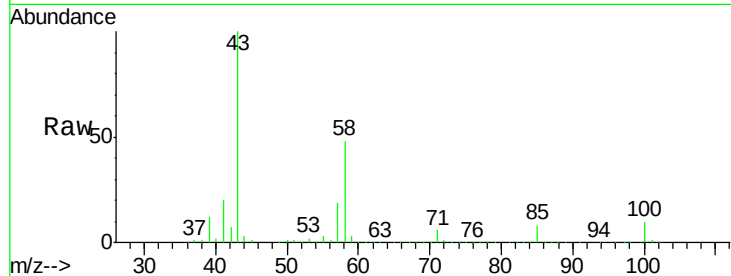
#59
2-Hexanone
Concen: 325.220 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.3	38.9	58.3
57	18.3	14.6	22.0

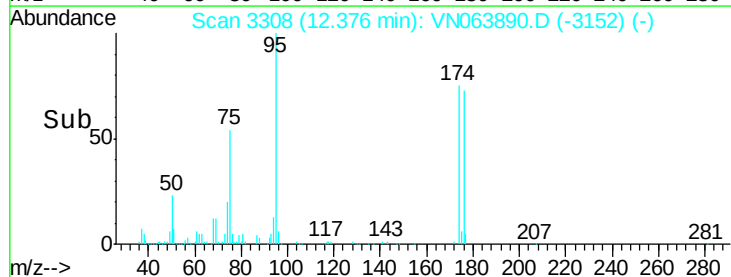
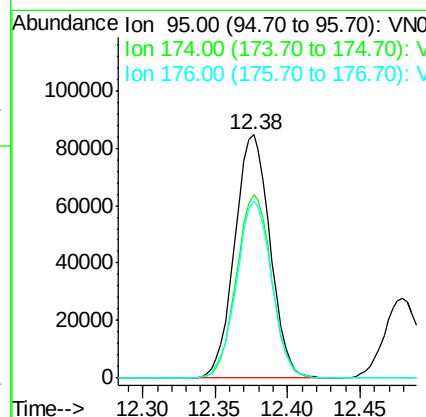
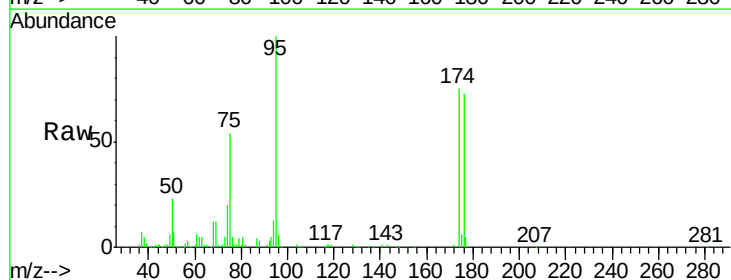
Manual Integrations
APPROVED

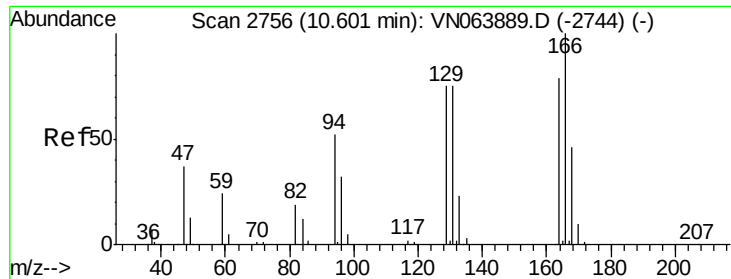
MMDadoda
10/7/2020 12:11:32 PM



#60
4-Bromofluorobenzene
Concen: 32.980 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.8	61.0	91.4
176	72.5	58.5	87.7





#61

Tetrachloroethene

Concen: 53.123 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 167556

Ion Ratio Lower Upper

164 100

166 128.4 102.2 153.4

129 99.3 77.2 115.8

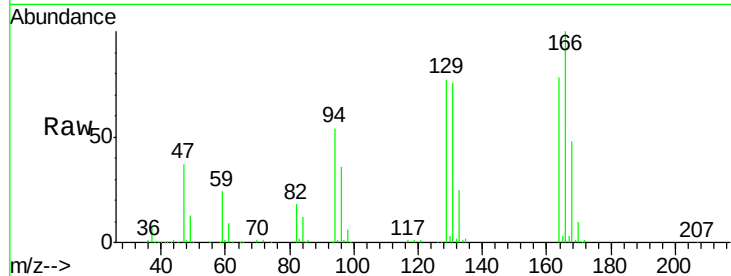
131 97.2 76.6 114.8

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:11:32 PM

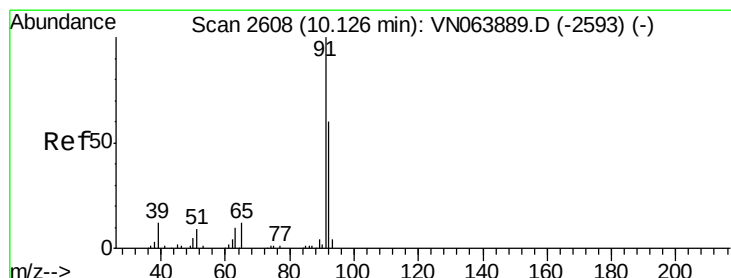
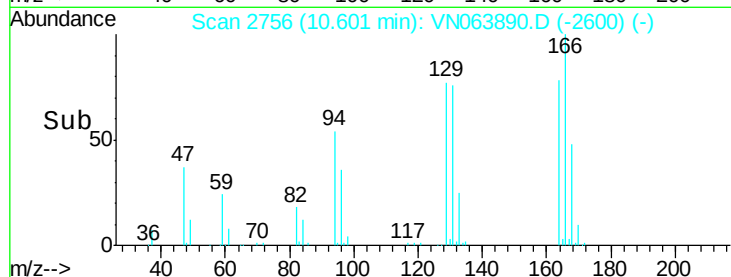
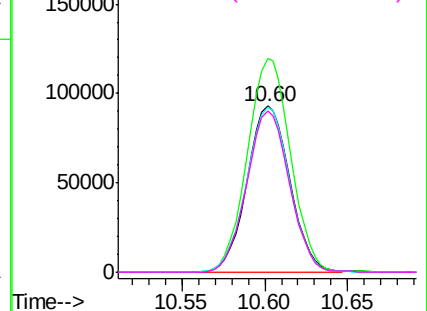


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 51.600 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063890.D

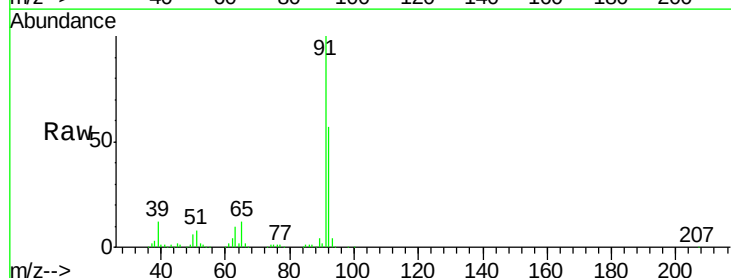
Acq: 6 Oct 2020 11:15

Tgt Ion: 91 Resp: 770469

Ion Ratio Lower Upper

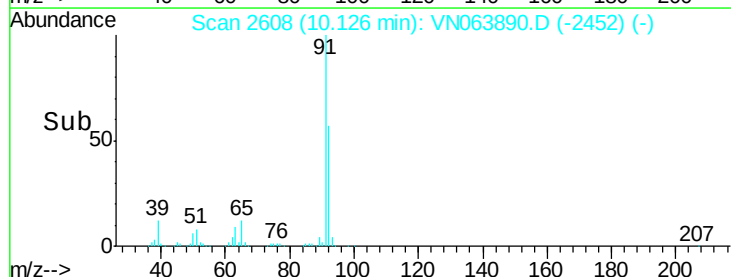
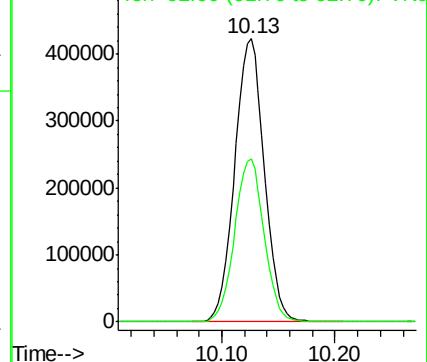
91 100

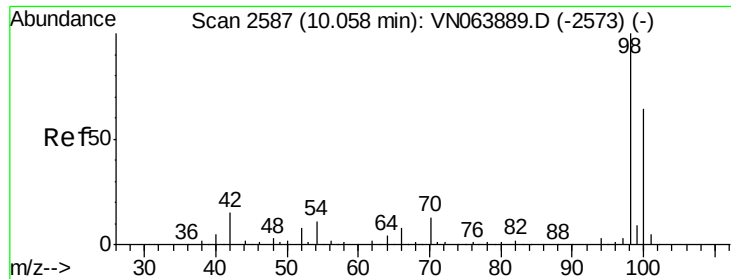
92 57.3 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.664 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 98 Resp: 366926

Ion Ratio Lower Upper

98 100

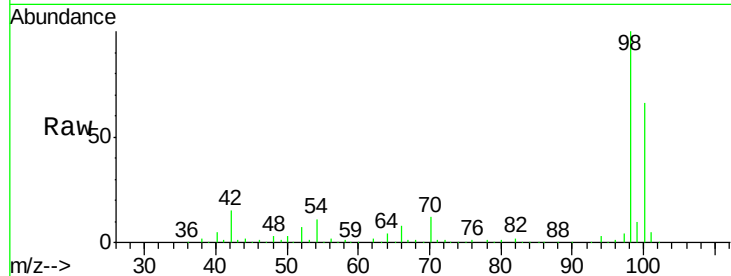
100 64.5 51.8 77.6

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:11:32 PM



Abundance Ion 98.00 (97.70 to 98.70): VN063889.D (-2573) (-)

Ion 100.00 (99.70 to 100.70): VN063889.D (-2573) (-)

10.06

200000

150000

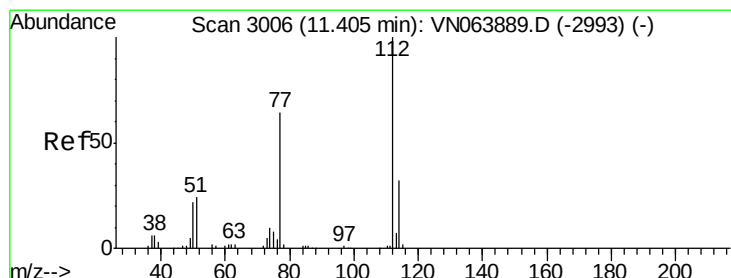
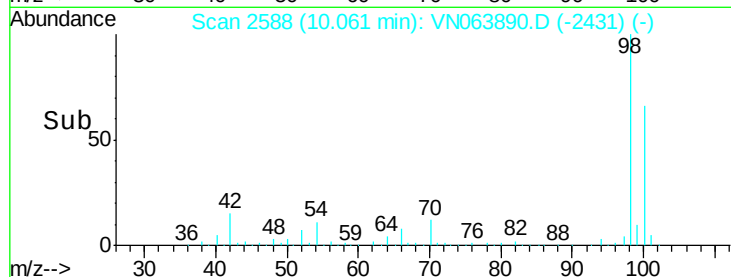
100000

50000

0

10.00 10.05 10.10 10.15

Time-->



#64

Chlorobenzene

Concen: 50.499 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN063890.D

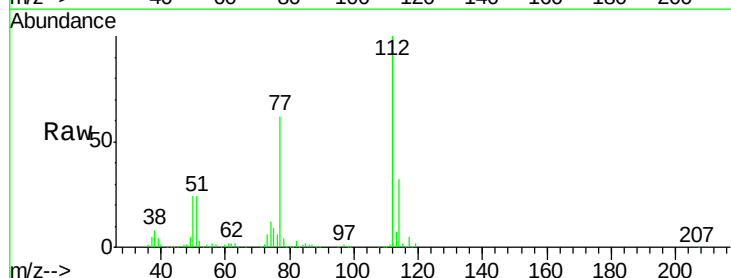
Acq: 6 Oct 2020 11:15

Tgt Ion: 112 Resp: 463616

Ion Ratio Lower Upper

112 100

114 32.1 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): VN063889.D (-2993) (-)

Ion 114.00 (113.70 to 114.70): VN063889.D (-2993) (-)

11.41

300000

250000

200000

150000

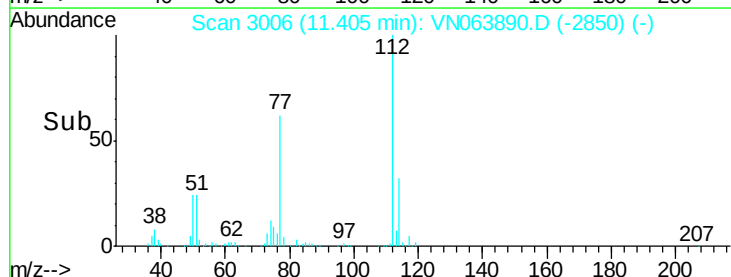
100000

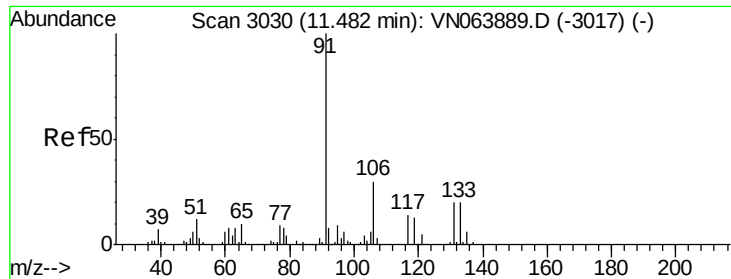
50000

0

11.40 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 50.047 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

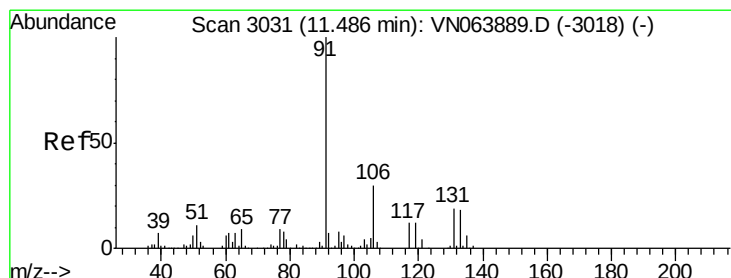
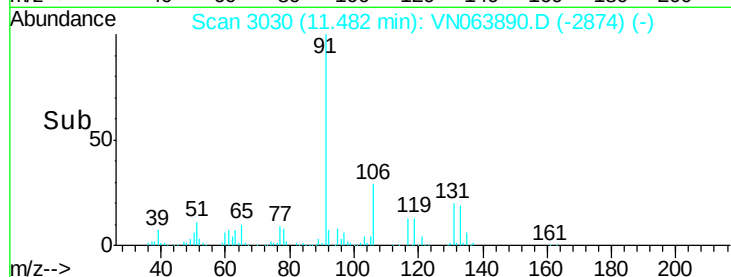
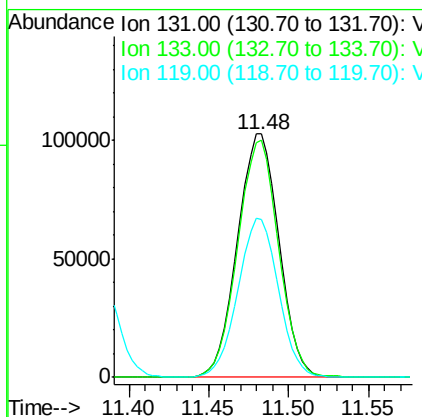
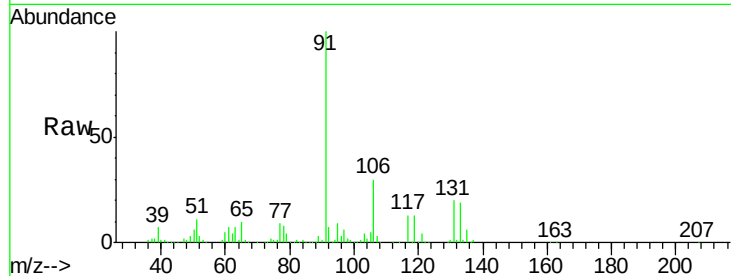
ClientSampleId :

VSTDIC050

Tot Ion:	131	Resp:	181976
Ion Ratio	Lower	Upper	
131	100		
133	96.0	0.0	192.6
119	63.9	0.0	133.2

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:32 PM



#66

Ethyl Benzene

Concen: 52.624 ug/l

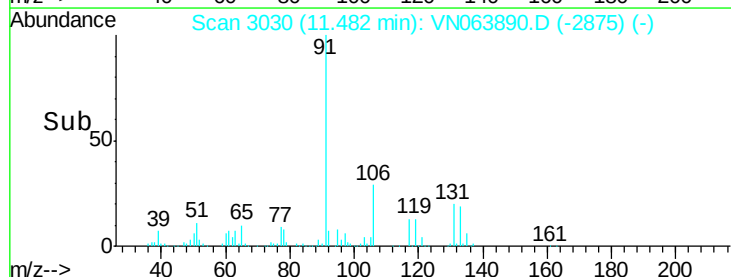
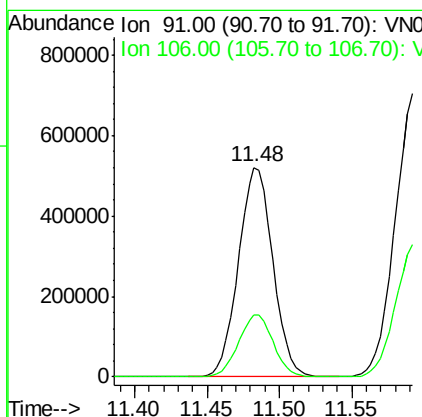
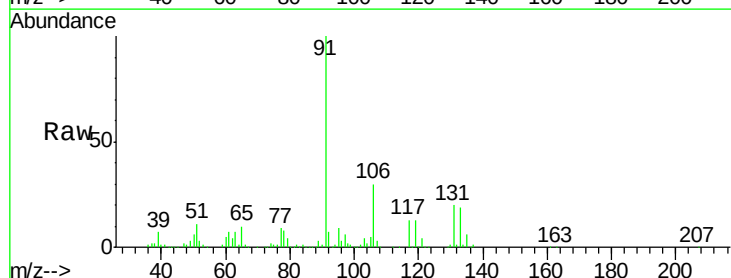
RT: 11.48 min Scan# 3030

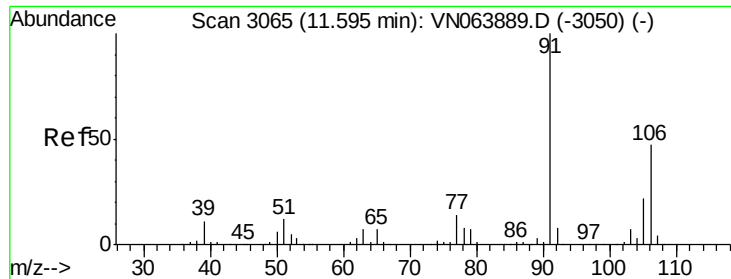
Delta R.T. -0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Tgt Ion:	91	Resp:	861220
Ion Ratio	Lower	Upper	
91	100		
106	29.6	24.4	36.6





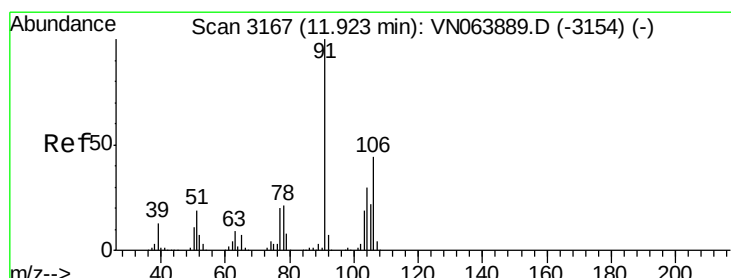
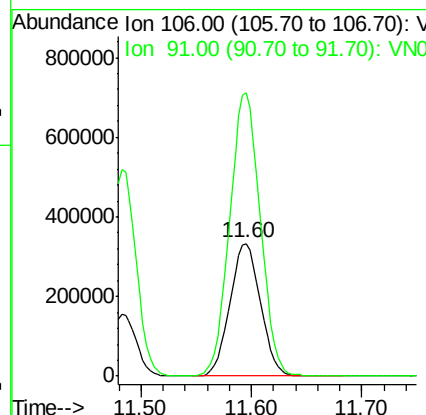
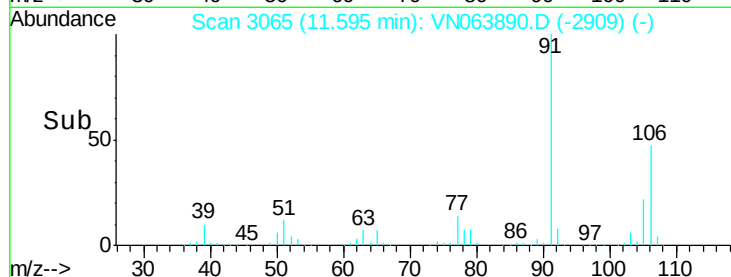
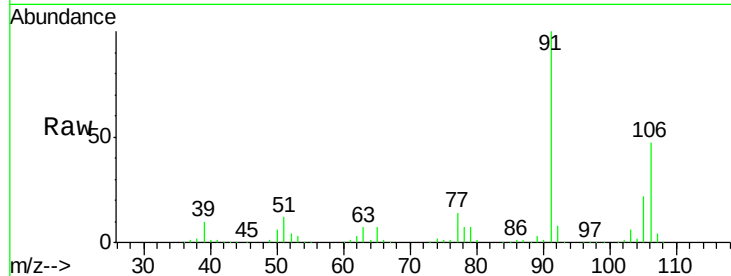
#67
m/p-Xylenes
Concen: 103.936 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion:106 Resp: 636214
Ion Ratio Lower Upper
106 100
91 214.4 169.2 253.8

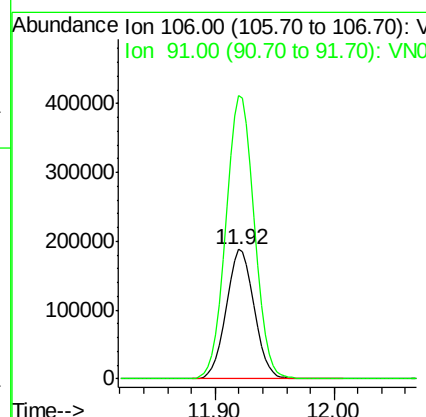
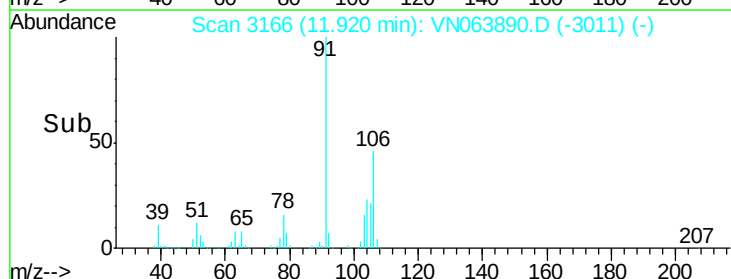
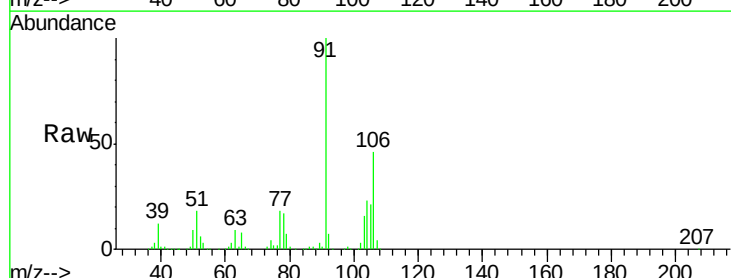
Manual Integrations
APPROVED

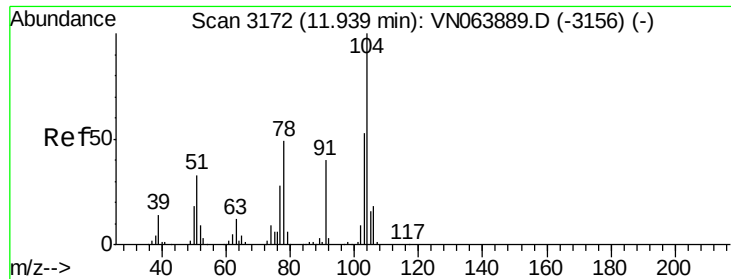
MMDadoda
10/7/2020 12:11:32 PM



#68
o-Xylene
Concen: 52.499 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion:106 Resp: 307266
Ion Ratio Lower Upper
106 100
91 221.3 113.1 339.4





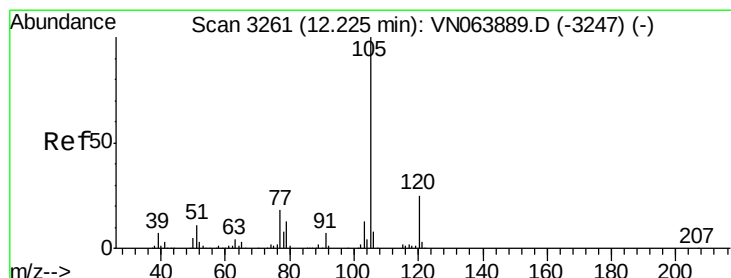
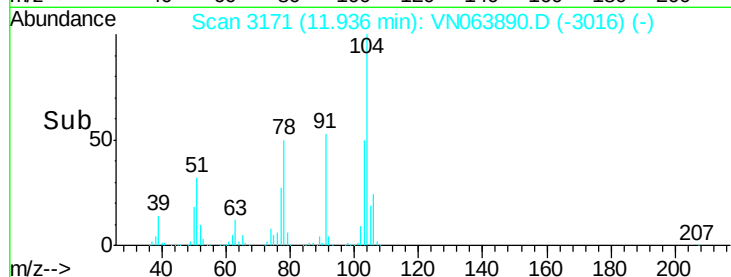
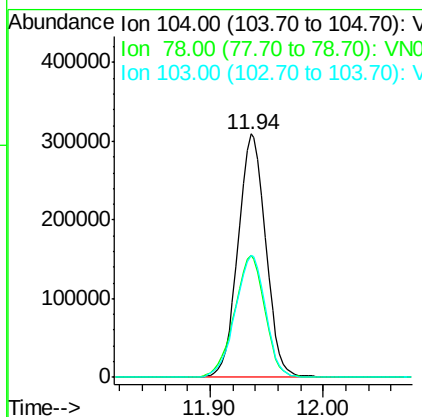
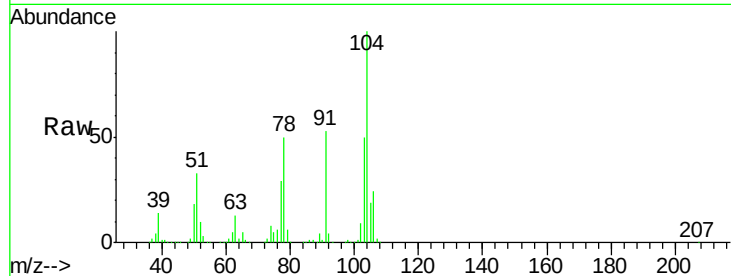
#69
Stvrene
Concen: 51.984 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.9	42.9	64.3
103	54.6	44.6	66.8

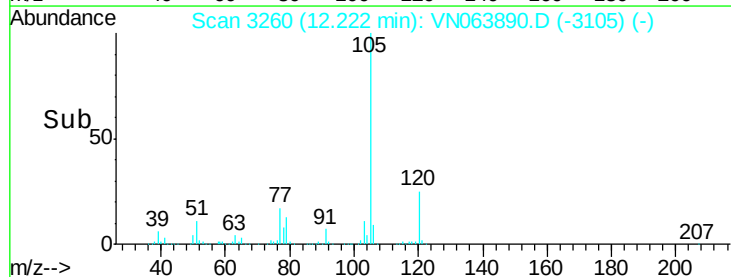
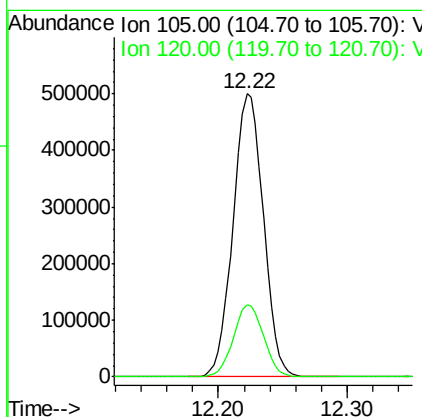
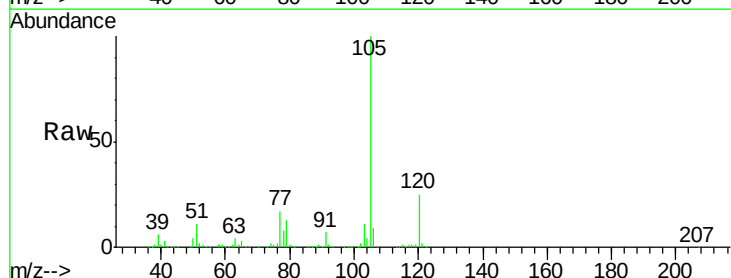
Manual Integrations
APPROVED

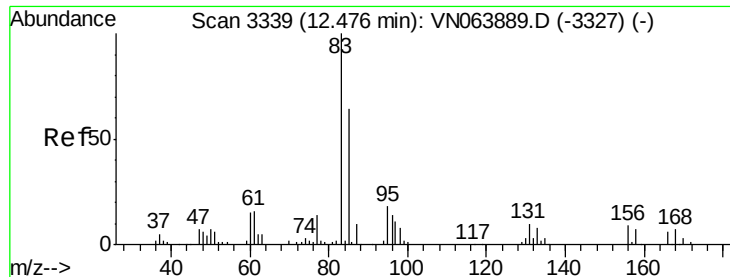
MMDadoda
10/7/2020 12:11:32 PM



#70
Isopropylbenzene
Concen: 51.723 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	17.8	33.1





#71

1,1,2,2-Tetrachloroethane

Concen: 50.896 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

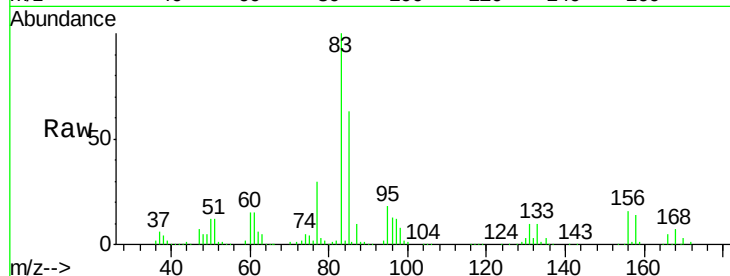
ClientSampled :

VSTDIC050

Tot Ion:	83	Resp:	255964
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.4	16.2
85	63.3	32.3	96.8

Manual Integrations
APPROVED

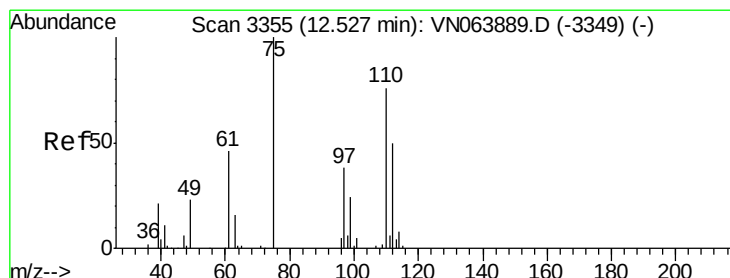
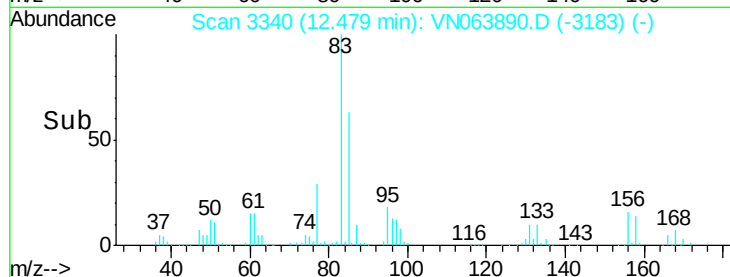
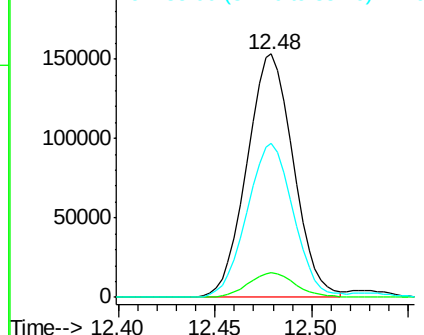
MMDadoda
10/7/2020 12:11:32 PM



Abundance Ion 83.00 (82.70 to 83.70): VN063890.D (-3183) (-)

Ion 131.00 (130.70 to 131.70): VN063890.D (-3183) (-)

Ion 85.00 (84.70 to 85.70): VN063890.D (-3183) (-)



#72

1,2,3-Trichloropropane

Concen: 57.281 ug/l m

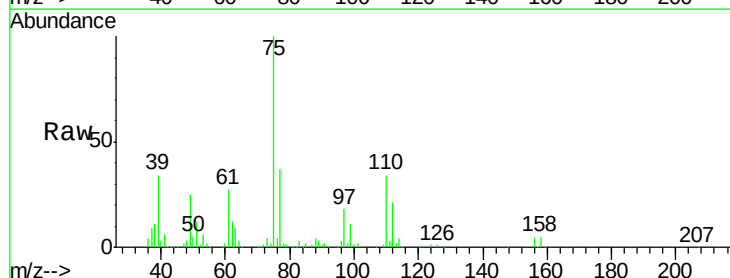
RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063890.D

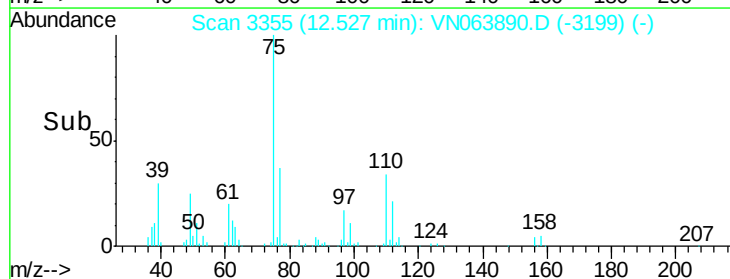
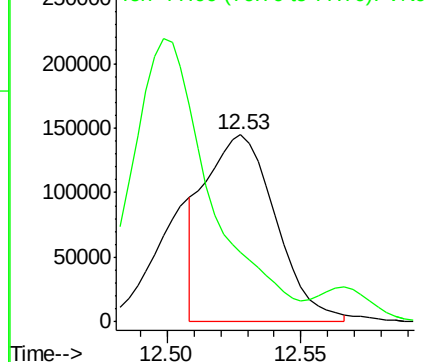
Acq: 6 Oct 2020 11:15

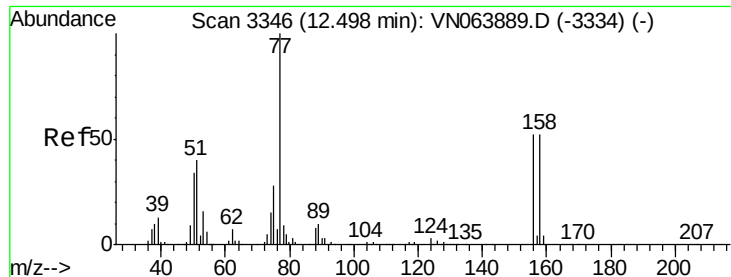
Tgt Ion:	75	Resp:	265686
Ion Ratio	Lower	Upper	
75	100		
77	169.1	0.0	336.6



Abundance Ion 75.00 (74.70 to 75.70): VN063890.D (-3199) (-)

Ion 77.00 (76.70 to 77.70): VN063890.D (-3199) (-)





#73

Bromobenzene

Concen: 48.599 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

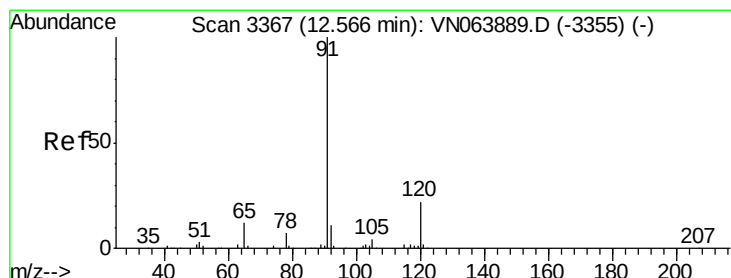
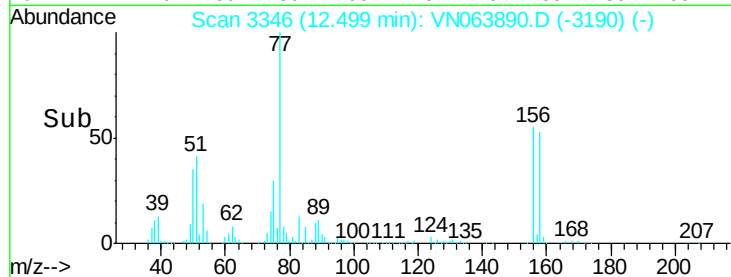
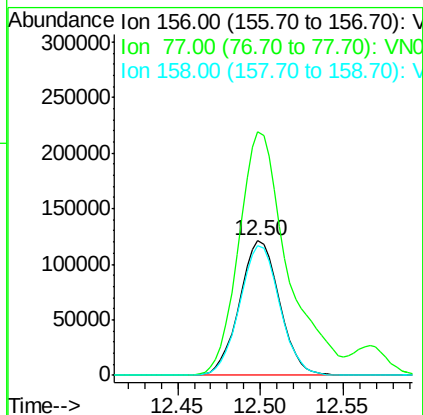
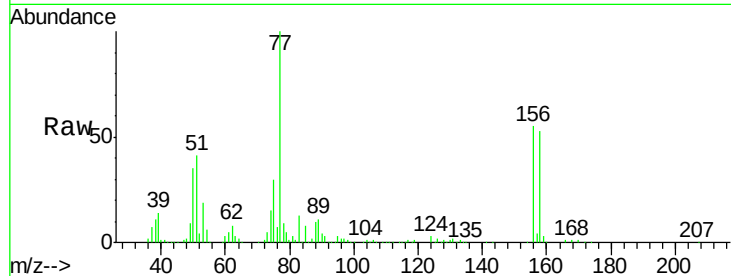
ClientSampled :

VSTDIC050

Tot Ion:	156	Resp:	204158
Ion Ratio	Lower	Upper	
156	100		
77	220.0	0.0	456.4
158	96.2	0.0	200.4

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:32 PM



#74

n-propylbenzene

Concen: 50.531 ug/l

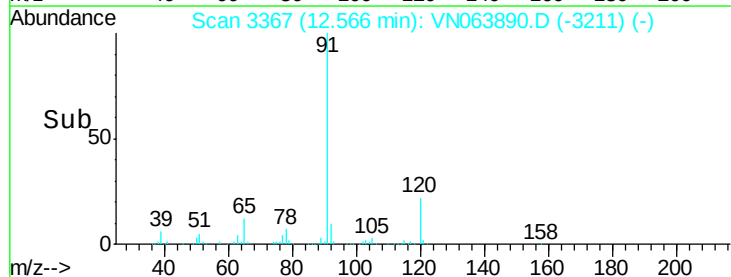
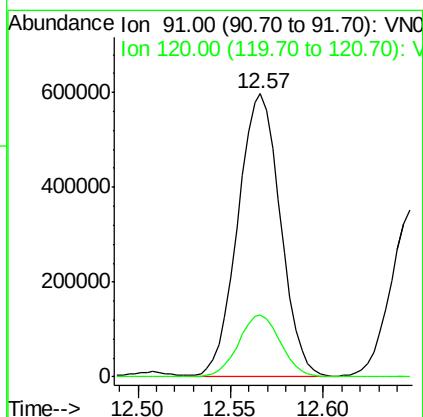
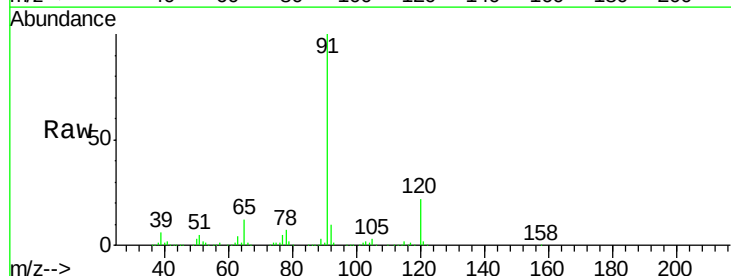
RT: 12.57 min Scan# 3367

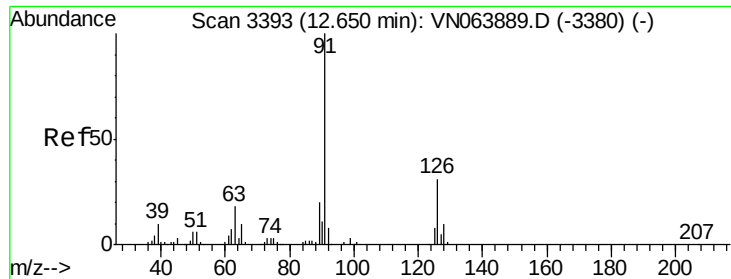
Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Tgt Ion:	91	Resp:	956675
Ion Ratio	Lower	Upper	
91	100		
120	21.7	0.0	42.6





#75

2-Chlorotoluene

Concen: 51.643 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 91 Resp: 584928

Ion Ratio Lower Upper

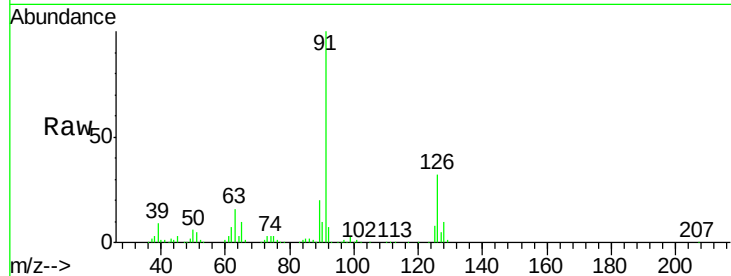
91 100

126 31.5 0.0 63.4

Manual Integrations
APPROVED

MMDadoda

10/7/2020 12:11:32 PM



Abundance Ion 91.00 (90.70 to 91.70): VN063889.D (-3380) (-)

Ion 126.00 (125.70 to 126.70): VN063889.D (-3380) (-)

500000

400000

300000

200000

100000

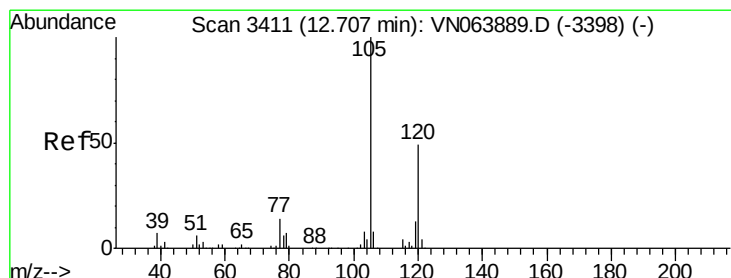
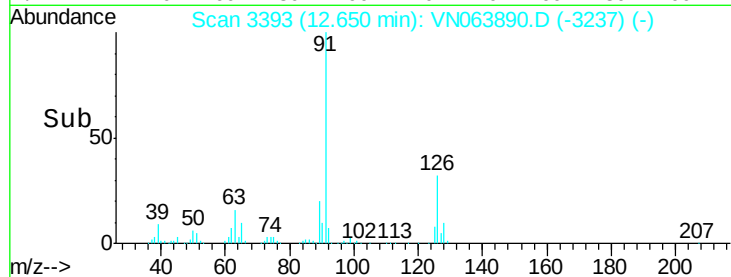
0

12.60

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 51.854 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063890.D

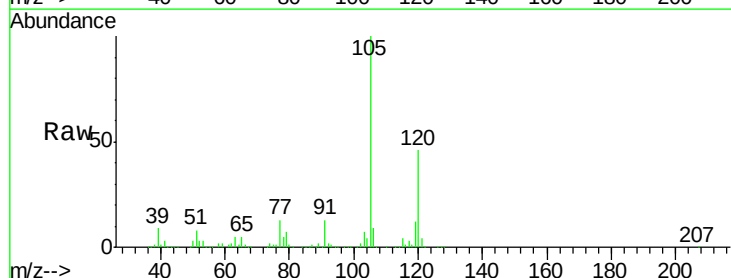
Acq: 6 Oct 2020 11:15

Tgt Ion: 105 Resp: 698746

Ion Ratio Lower Upper

105 100

120 45.8 0.0 94.2



Abundance Ion 105.00 (104.70 to 105.70): VN063889.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN063889.D (-3398) (-)

500000

400000

300000

200000

100000

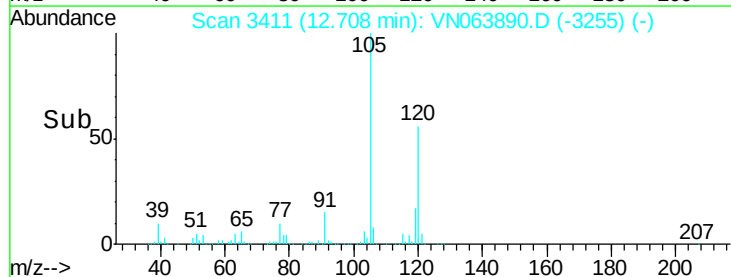
0

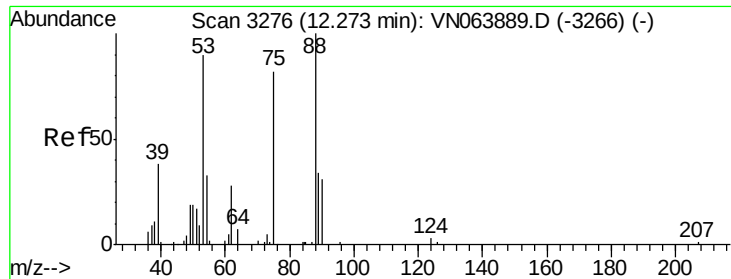
12.60

12.70

12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 58.468 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

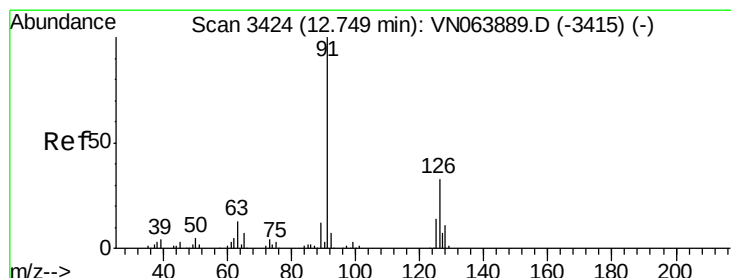
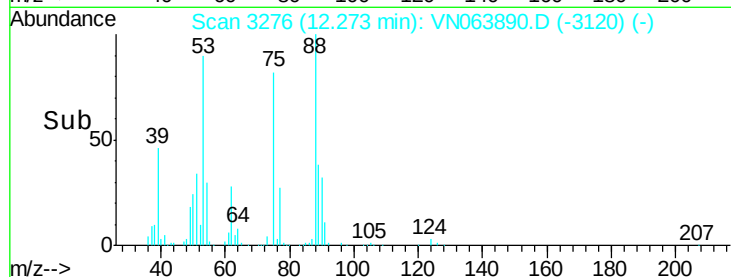
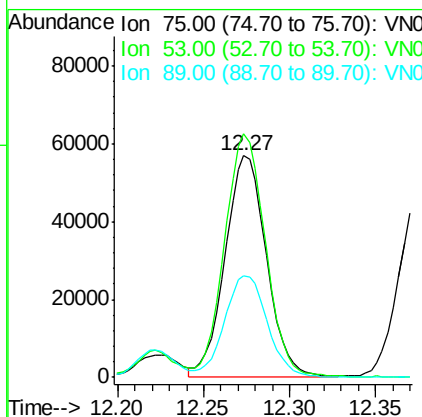
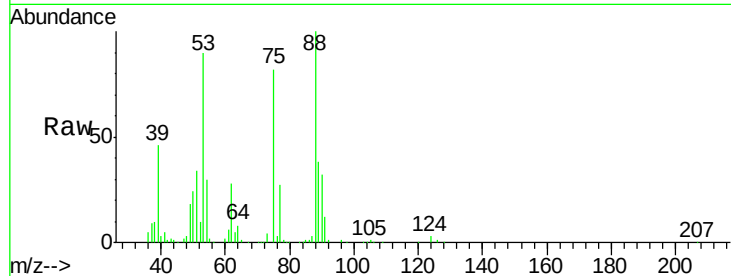
ClientSampled :

VSTDIC050

Tot Ion:	75	Resp:	95732
Ion Ratio	Lower	Upper	
75	100		
53	109.7	55.3	165.9
89	46.2	21.9	65.8

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:32 PM



#78

4-Chlorotoluene

Concen: 52.644 ug/l

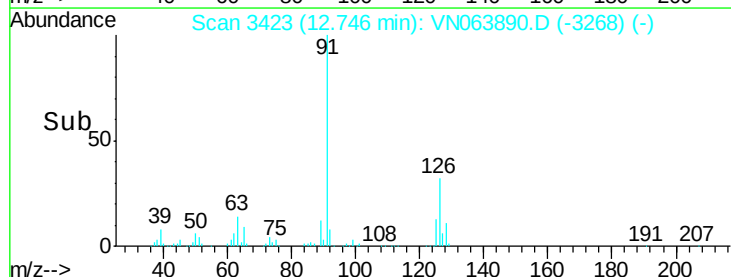
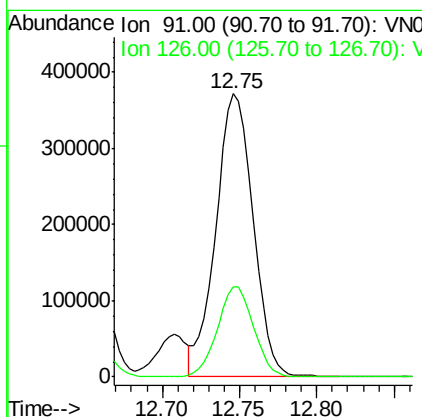
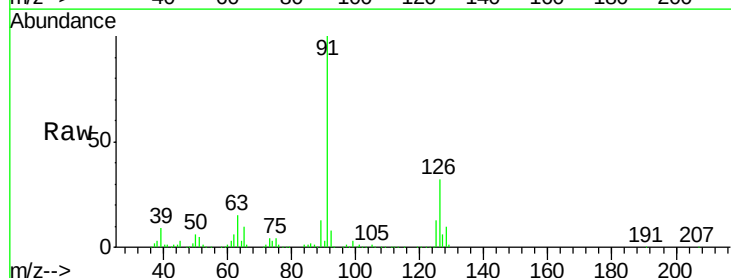
RT: 12.75 min Scan# 3423

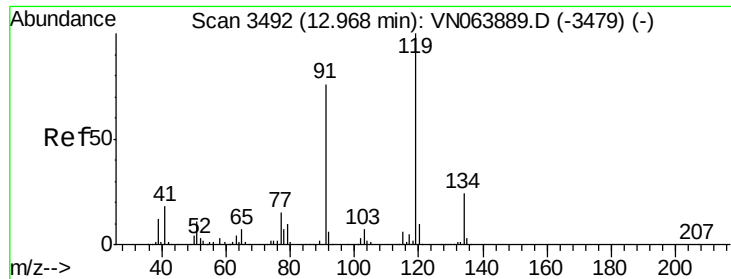
Delta R.T. -0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Tgt Ion:	91	Resp:	618730
Ion Ratio	Lower	Upper	
91	100		
126	31.1	0.0	62.6





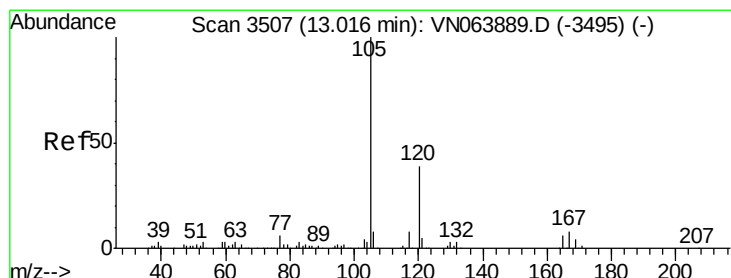
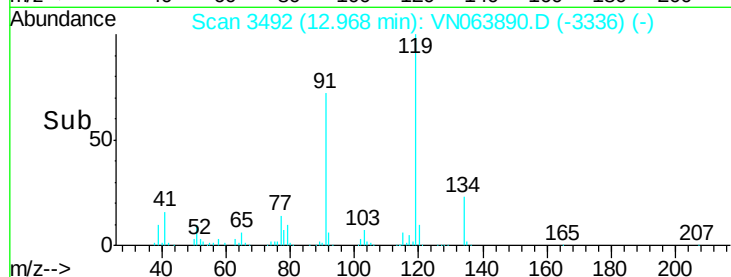
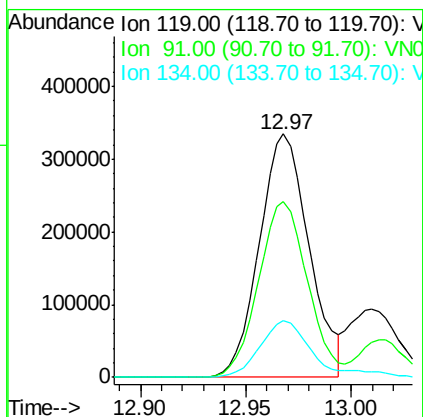
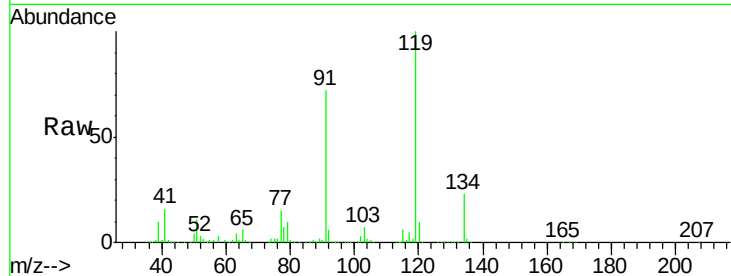
#79
tert-butylbenzene
Concen: 48.800 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	549520		
91	71.4	0.0	145.6	
134	24.8	0.0	47.8	

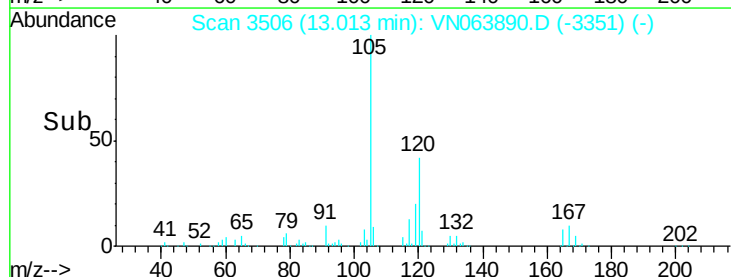
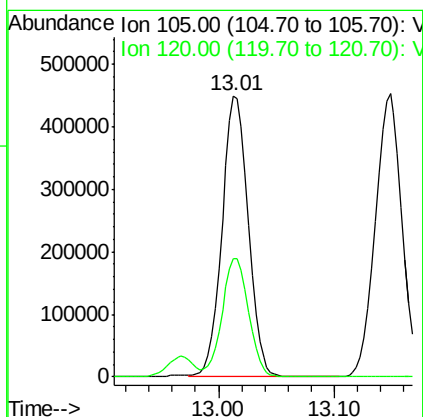
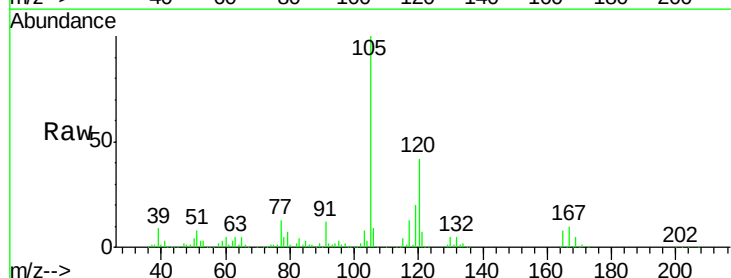
Manual Integrations
APPROVED

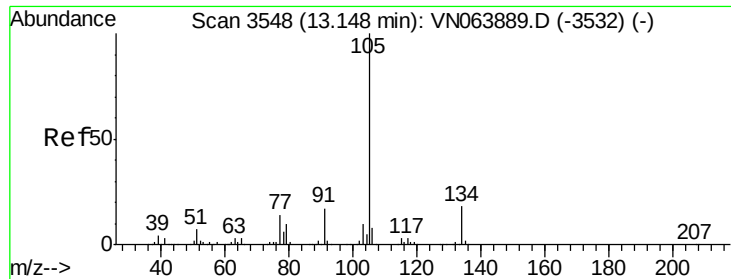
MMDadoda
10/7/2020 12:11:32 PM



#80
1,2,4-Trimethylbenzene
Concen: 53.391 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	707249		
120	42.8	0.0	85.4	





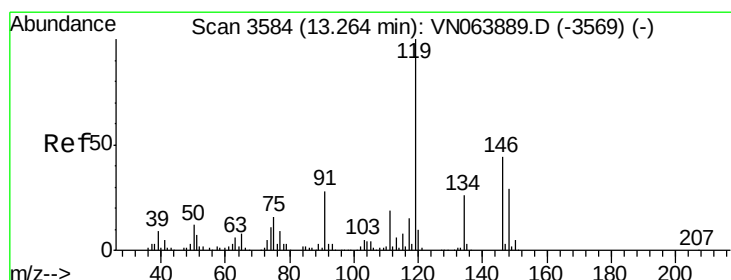
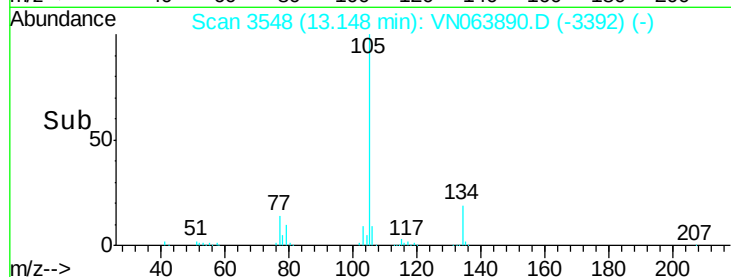
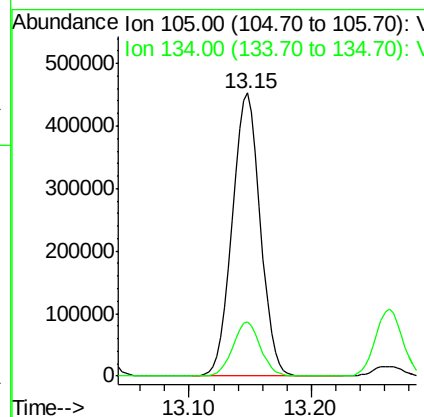
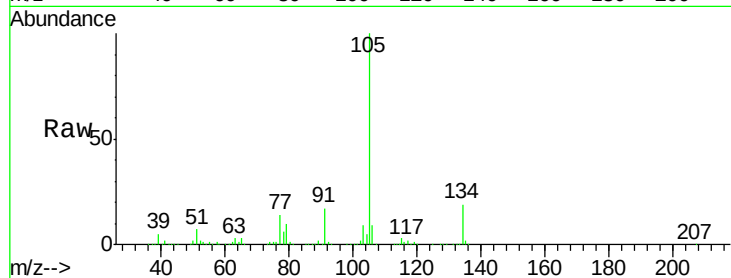
#81
 sec-Butylbenzene
 Concen: 47.281 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	727882		
134	18.8	0.0	36.8	

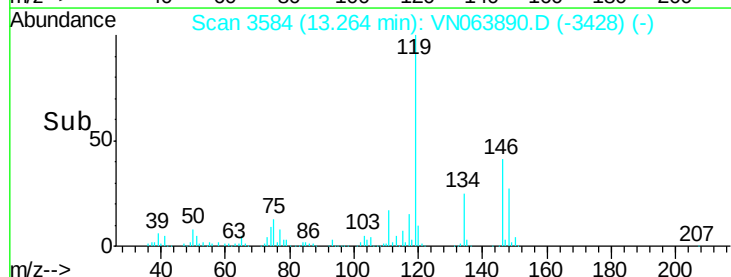
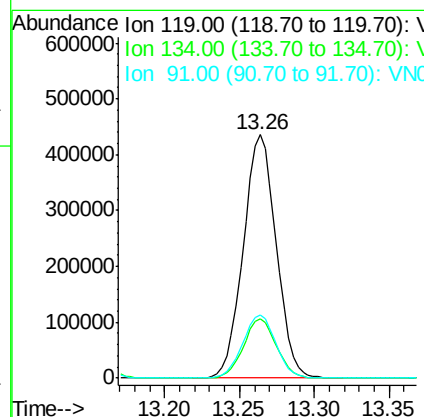
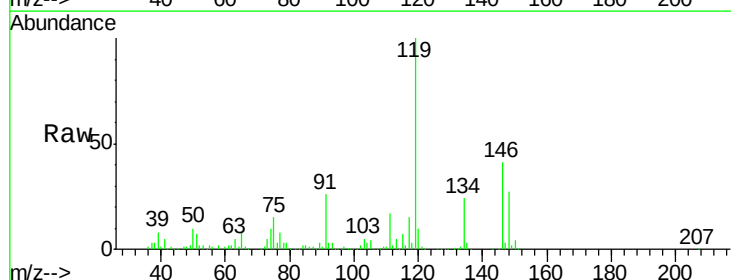
Manual Integrations
 APPROVED

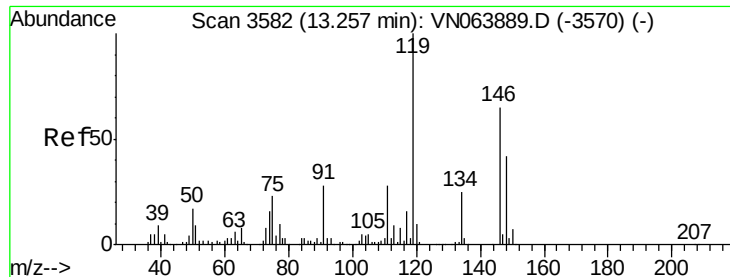
MMDadoda
 10/7/2020 12:11:32 PM



#82
 p-Isopropyltoluene
 Concen: 48.700 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	665776		
134	24.5	0.0	50.6	
91	26.1	0.0	55.2	





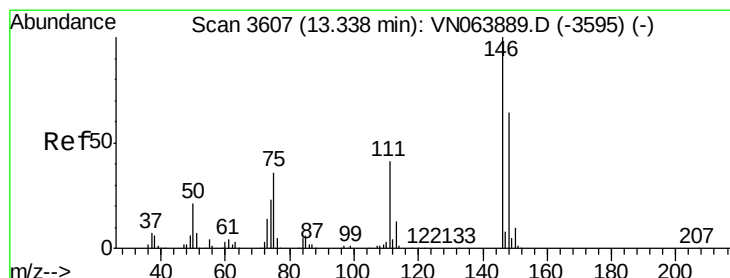
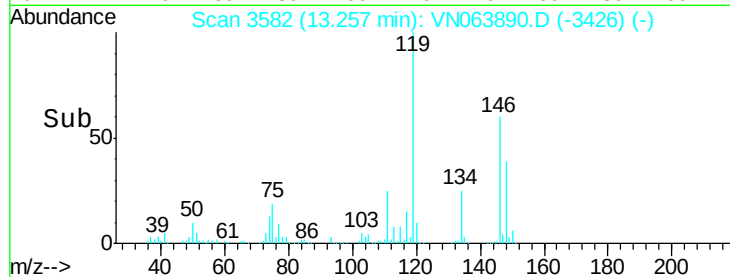
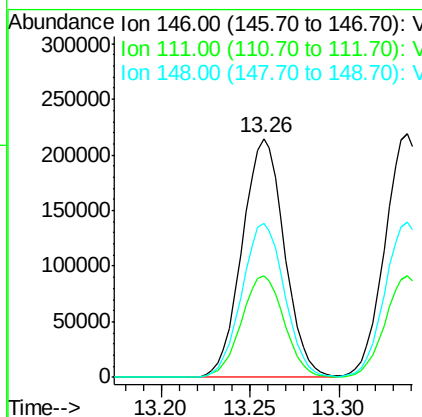
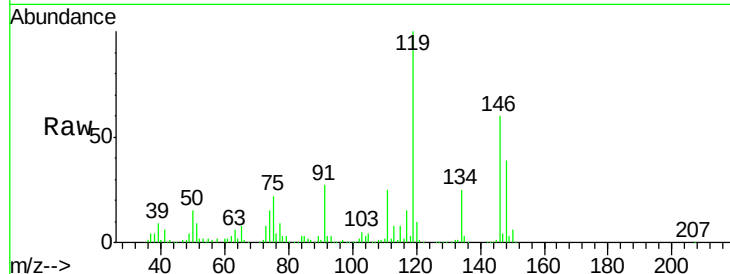
#83
 1,3-Dichlorobenzene
 Concen: 48.159 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	64.8
148	65.3	32.8	98.3

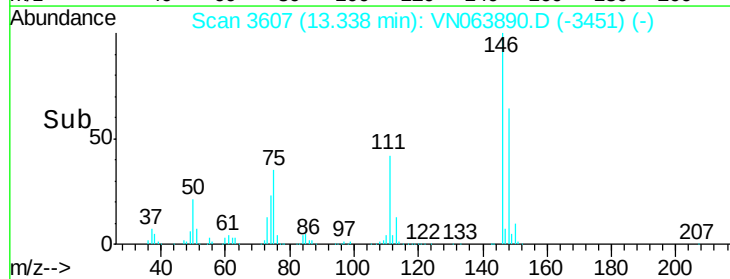
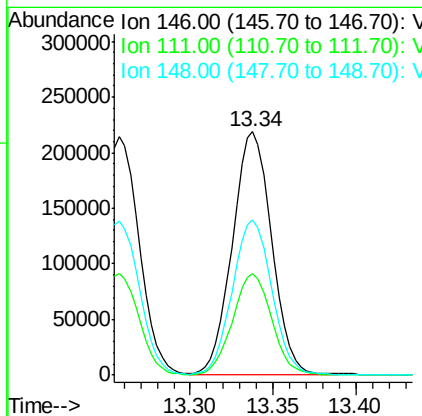
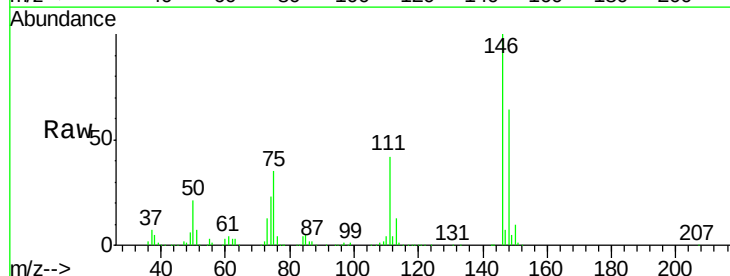
Manual Integrations
 APPROVED

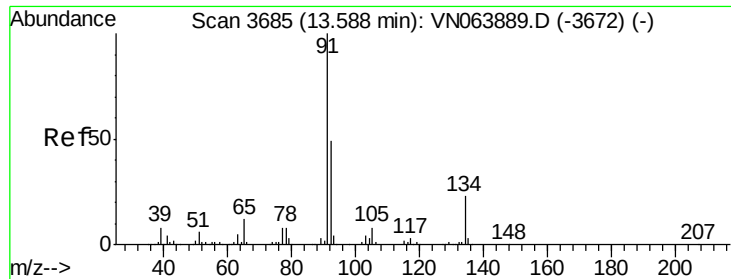
MMDadoda
 10/7/2020 12:11:32 PM



#84
 1,4-Dichlorobenzene
 Concen: 49.817 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.8	59.4
148	63.9	32.6	98.0





#85

n-Butylbenzene

Concen: 50.242 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Instrument :

MSVOA_N

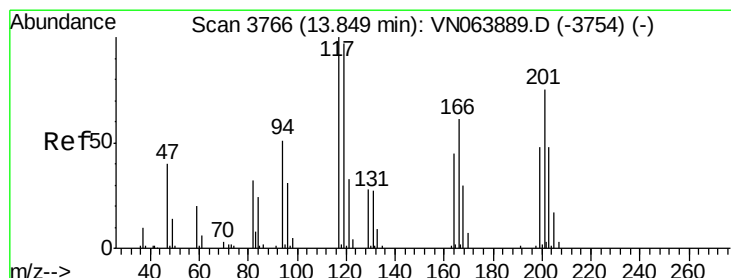
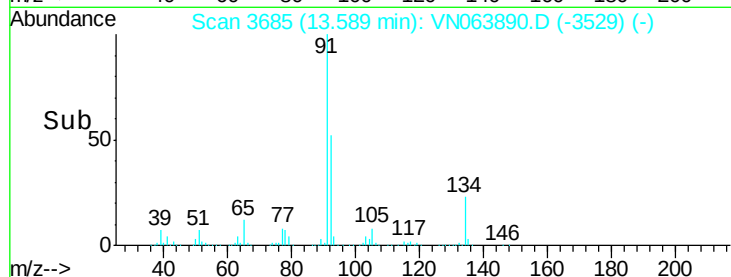
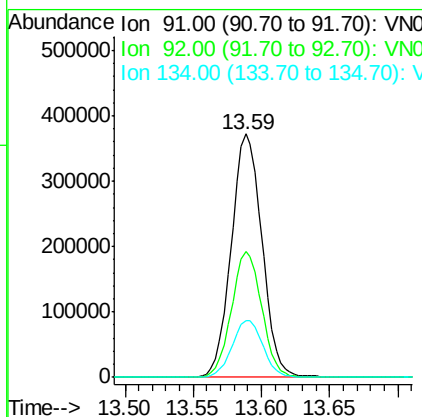
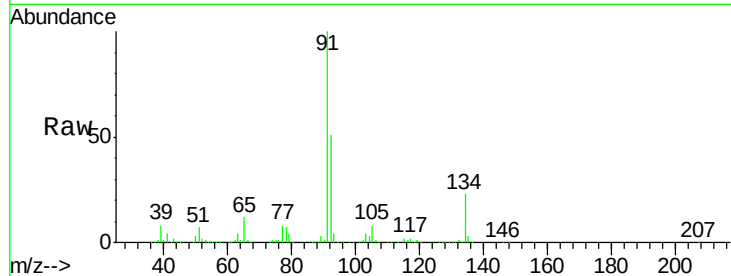
ClientSampleId :

VSTDIC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		582582		
92	50.9	0.0	98.2		
134	23.4	0.0	45.8		

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:32 PM



#86

Hexachloroethane

Concen: 42.334 ug/l

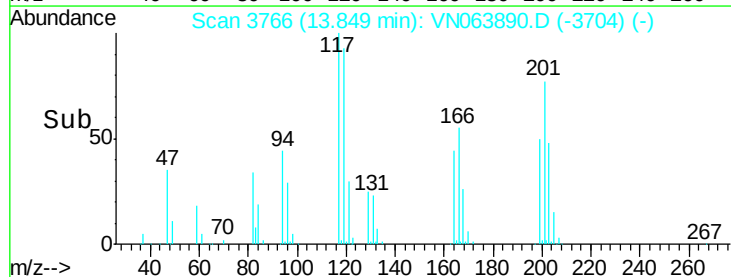
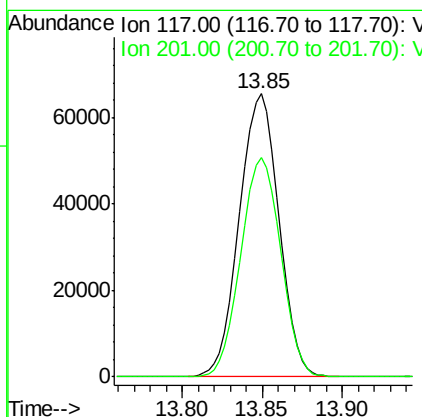
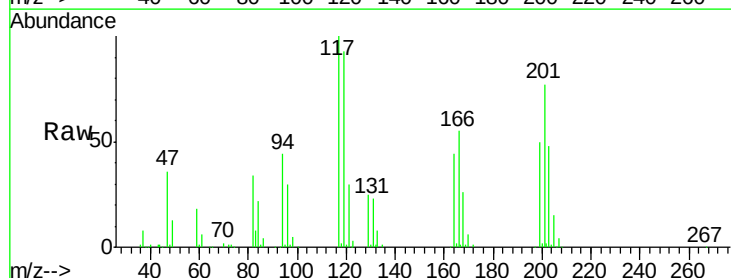
RT: 13.85 min Scan# 3766

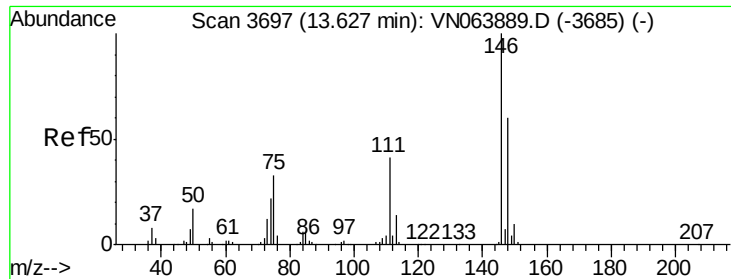
Delta R.T. 0.00 min

Lab File: VN063890.D

Acq: 6 Oct 2020 11:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		110750		
201	78.3	36.6	109.9		





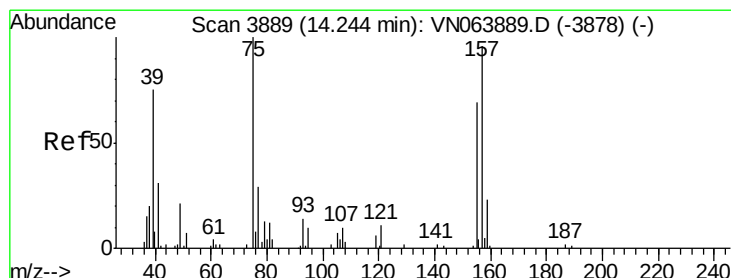
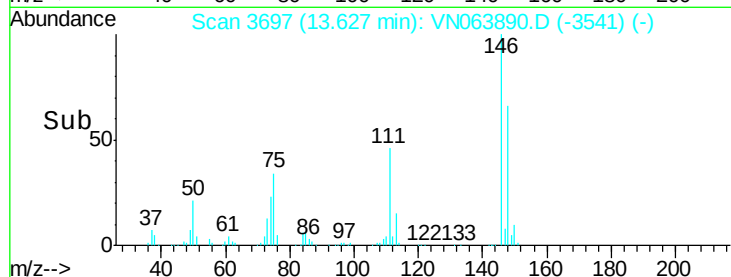
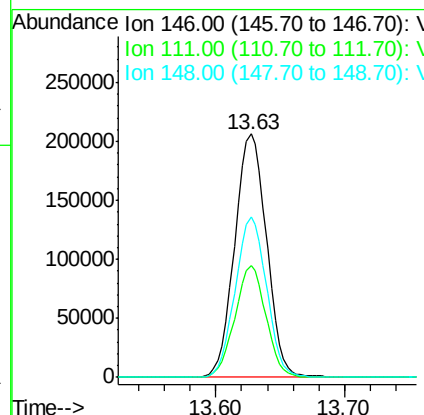
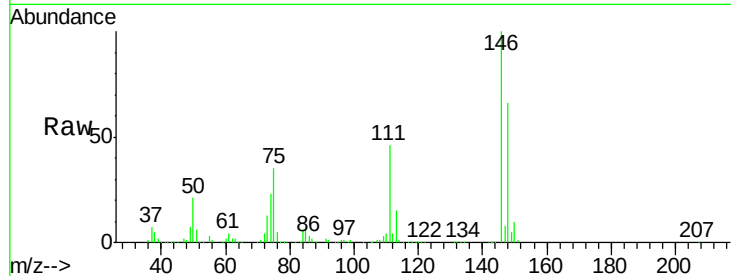
#87
 1,2-Dichlorobenzene
 Concen: 49.857 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.3	63.7
148	64.8	31.6	95.0

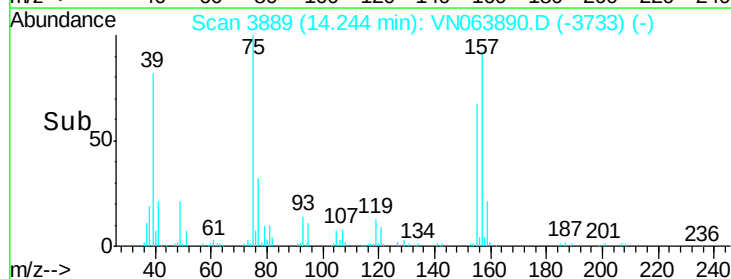
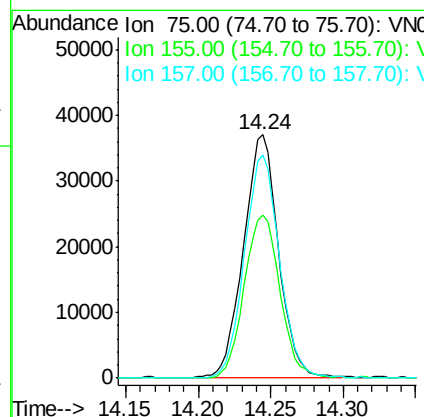
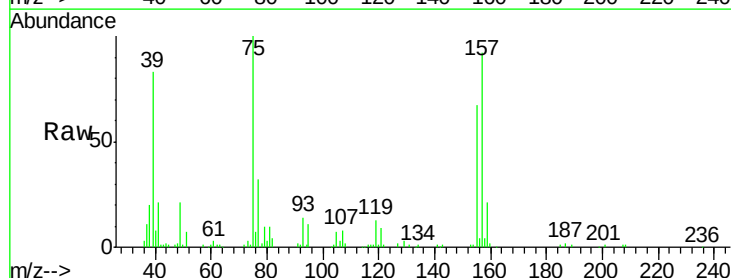
Manual Integrations
 APPROVED

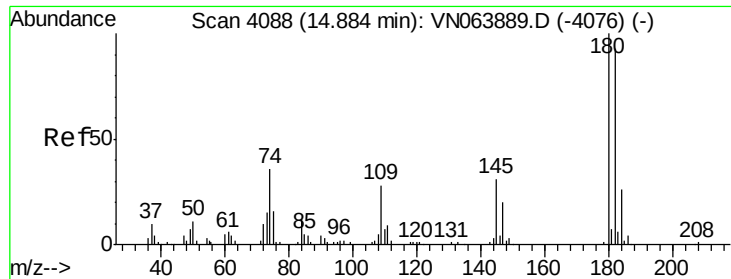
MMDadoda
 10/7/2020 12:11:32 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 70.267 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.2	55.4	83.2
157	91.6	73.6	110.4





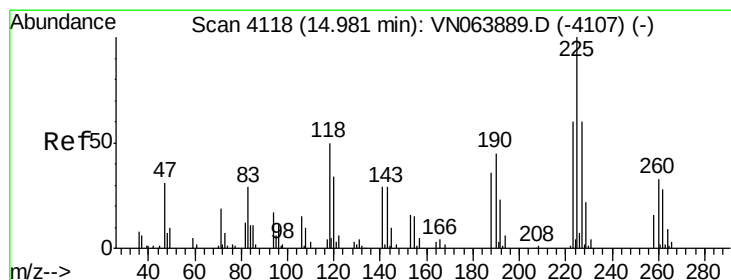
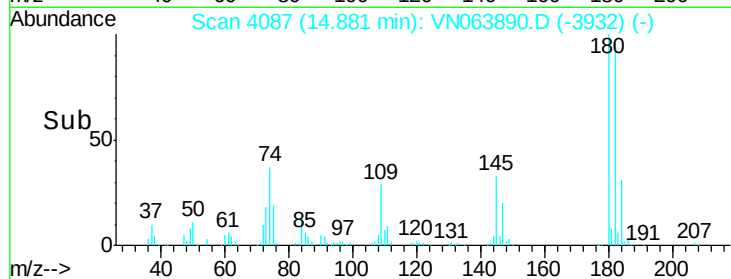
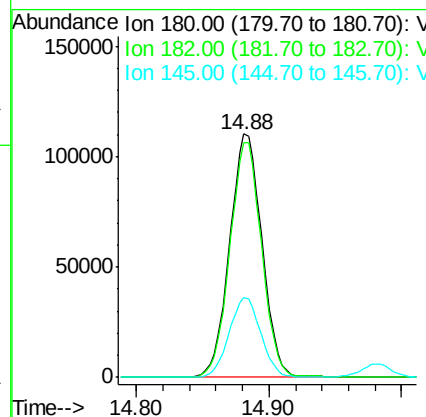
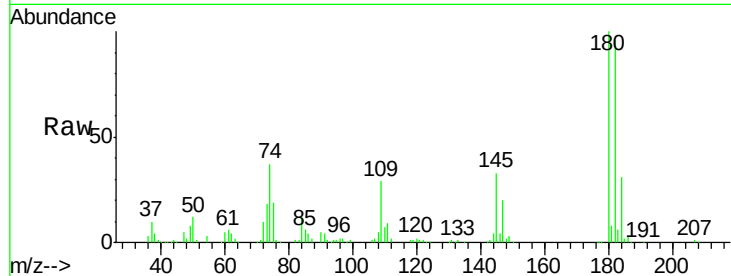
#89
 1,2,4-Trichlorobenzene
 Concen: 52.079 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	186891		
182	94.2	76.8	115.2	
145	32.1	26.0	39.0	

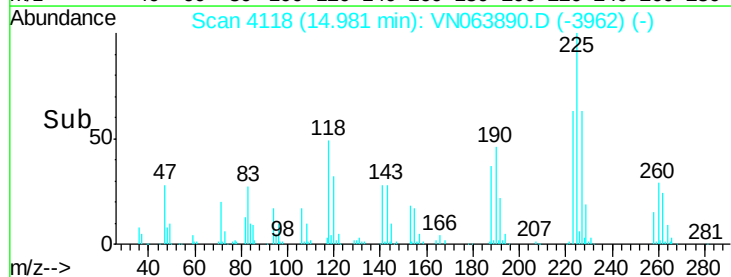
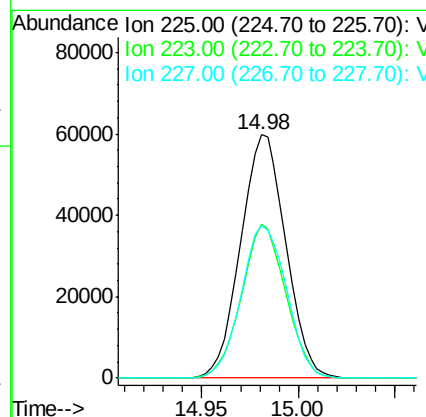
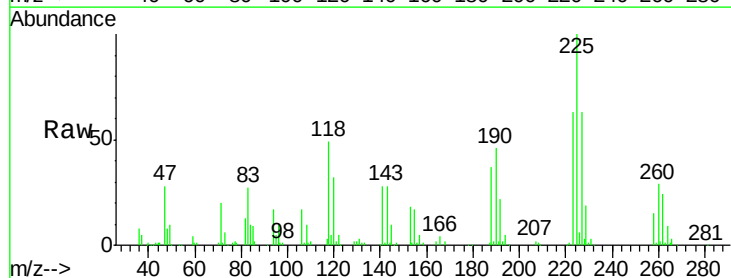
Manual Integrations
 APPROVED

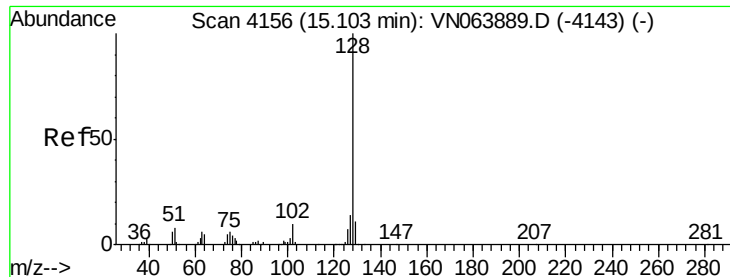
MMDadoda
 10/7/2020 12:11:32 PM



#90
 Hexachlorobutadiene
 Concen: 39.113 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN063890.D
 Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96955		
223	62.0	0.0	124.8	
227	63.3	0.0	121.4	





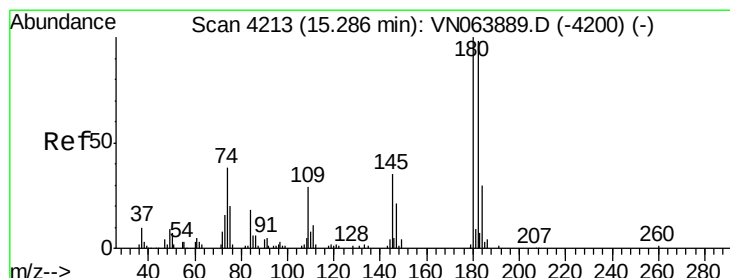
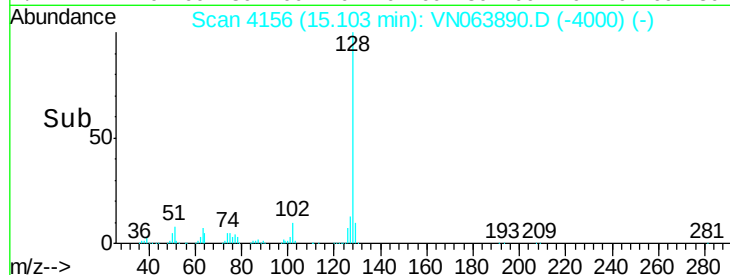
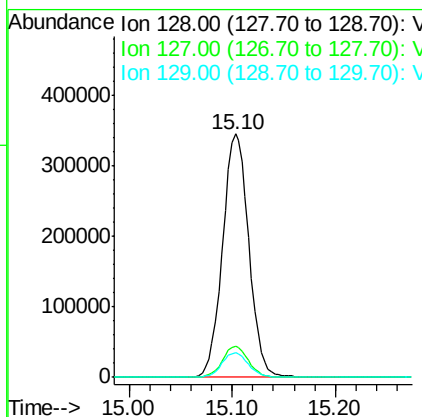
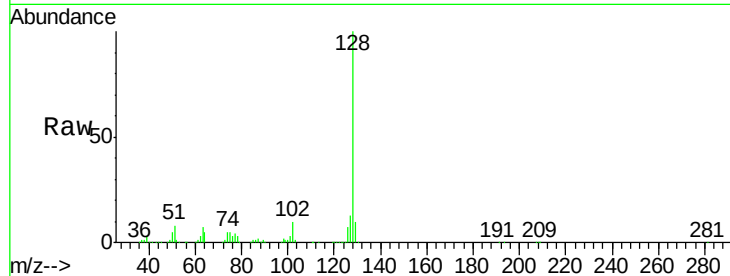
#91
Naphthalene
Concen: 70.735 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	15.8
129	10.3	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:32 PM



#92
1,2,3-Trichlorobenzene
Concen: 51.691 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN063890.D
Acq: 6 Oct 2020 11:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	0.0	196.0
145	34.8	0.0	71.0

