

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
 Data File : VN062929.D
 Acq On : 13 Aug 2020 23:21
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 9:20:05 AM

Quant Time: Aug 14 05:52:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 05:30:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	26809	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	144369	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	134273	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	73822	31.72	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.73%
60) 4-Bromofluorobenzene	12.38	95	73873	32.38	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	107.93%
63) Toluene-d8	10.06	98	190344	30.19	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	124341	70.585	ug/l 97
3) Chloromethane	2.03	50	96487	43.725	ug/l 97
4) Vinyl Chloride	2.16	62	96334	48.830	ug/l 98
5) Bromomethane	2.51	94	92401	79.007	ug/l 100
6) Chloroethane	2.66	64	97320	83.916	ug/l 97
7) Trichlorofluoromethane	2.97	101	206524	74.587	ug/l 99
8) Diethyl Ether	3.37	74	45197	42.109	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	68252	46.230	ug/l 97
10) 1,1-Dichloroethene	3.69	96	61963	41.960	ug/l 94
11) Methyl Iodide	3.91	142	90833	49.142	ug/l 96
12) Methyl Acetate	4.28	43	94836	46.774	ug/l 99
13) Acrolein	3.56	56	62964	218.632	ug/l 95
14) Acrylonitrile	4.93	53	217421	234.056	ug/l 96
15) Acetone	3.78	58	56588	209.312	ug/l 88
16) Carbon Disulfide	4.00	76	166940	35.585	ug/l 100
17) Allyl chloride	4.27	41	104899	35.022	ug/l 99
18) Methylene Chloride	4.50	84	79392	43.543	ug/l 99
19) trans-1,2-Dichloroethene	4.99	96	69323	42.486	ug/l 98
20) Diisopropyl ether	5.91	45	262416	41.167	ug/l 98
21) 1,1-Dichloroethane	5.80	63	145879	42.423	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	84673	45.419	ug/l # 88
23) tert-Butyl Alcohol	4.74	59	88418	271.529	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	286687	51.162	ug/l 100
25) Chloroform	7.33	83	164828	50.820	ug/l 100
26) Cyclohexane	7.61	56	131240	43.903	ug/l # 93
29) 1,1-Dichloropropene	7.75	75	106521	44.660	ug/l 99
30) 2-Butanone	6.79	43	280300	227.080	ug/l 99
31) 2,2-Dichloropropane	6.78	77	106142	40.341	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	148796	55.451	ug/l 97
33) Carbon Tetrachloride	7.73	117	131720	56.244	ug/l 98
34) Benzene	8.00	78	318076	44.964	ug/l # 89
35) Methacrylonitrile	7.14	41	59135m	55.189	ug/l
36) 1,2-Dichloroethane	8.09	62	140537	53.058	ug/l 99
37) Trichloroethene	8.80	130	77207	47.568	ug/l 94
38) Methylcyclohexane	9.05	83	130332	48.258	ug/l 98
39) 1,2-Dichloropropane	9.09	63	88791	44.390	ug/l 99
40) Dibromomethane	9.18	93	59346	49.834	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
 Data File : VN062929.D
 Acq On : 13 Aug 2020 23:21
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 9:20:05 AM

Quant Time: Aug 14 05:52:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 05:30:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	136370	53.311	ug/l	98
42) Vinyl Acetate	5.84	43	931133	186.545	ug/l	99
43) Ethyl Acetate	6.88	43	105993	42.414	ug/l #	88
44) Isopropyl Acetate	8.13	43	179200	42.967	ug/l	97
45) 1,4-Dioxane	9.17	88	34754	1140.831	ug/l	97
46) Methyl methacrylate	9.17	41	89391	44.825	ug/l	98
47) n-amyl Acetate	12.05	43	159016	44.603	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	142410	48.817	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	142568	46.049	ug/l	97
50) 1,1,2-Trichloroethane	10.54	97	85155	50.839	ug/l	96
51) Ethyl methacrylate	10.40	69	136592	49.734	ug/l	95
52) 1,3-Dichloropropane	10.68	76	147576	48.566	ug/l	99
53) Dibromochloromethane	10.87	129	104507	56.126	ug/l	99
54) 1,2-Dibromoethane	10.98	107	88230	51.437	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	164677	198.091	ug/l	98
56) Bromoform	12.10	173	72920	56.909	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	597386	236.890	ug/l	99
59) 2-Hexanone	10.72	43	446558	241.904	ug/l	97
61) Tetrachloroethene	10.60	164	70113	51.469	ug/l	98
62) Toluene	10.12	91	357565	48.134	ug/l	98
64) Chlorobenzene	11.41	112	223226	50.257	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	93181	55.294	ug/l	99
66) Ethyl Benzene	11.48	91	411286	50.009	ug/l	100
67) m/p-Xylenes	11.60	106	306435	101.329	ug/l	99
68) o-Xylene	11.92	106	147138	51.105	ug/l	100
69) Styrene	11.94	104	261266	52.673	ug/l	98
70) Isopropylbenzene	12.22	105	420082	53.650	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	132359	52.078	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	134258m	53.468	ug/l	
73) Bromobenzene	12.50	156	99722	54.279	ug/l	100
74) n-propylbenzene	12.57	91	479677	51.814	ug/l	98
75) 2-Chlorotoluene	12.65	91	294288	52.247	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	375668	55.758	ug/l	100
77) t-1,4-Dichloro-2-butene	12.28	75	43076	47.980	ug/l	92
78) 4-Chlorotoluene	12.75	91	304854	53.197	ug/l	100
79) tert-butylbenzene	12.97	119	310450	55.845	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	369634	56.063	ug/l	100
81) sec-Butylbenzene	13.15	105	406880	54.649	ug/l	98
82) p-Isopropyltoluene	13.26	119	372278	56.549	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	180555	56.494	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	176692	56.147	ug/l	98
85) n-Butylbenzene	13.59	91	290745	52.214	ug/l	98
86) Hexachloroethane	13.85	117	70689	54.761	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	176451	57.296	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	30974	64.170	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	84612	56.565	ug/l	99
90) Hexachlorobutadiene	14.98	225	54800	62.826	ug/l	96
91) Naphthalene	15.10	128	228468	57.061	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	86533	57.608	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
Data File : VN062929.D
Acq On : 13 Aug 2020 23:21
Operator : JC/MD
Sample : VSTDICC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

MMDadoda
8/17/2020 9:20:05 AM

Quant Time: Aug 14 05:52:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 14 05:30:32 2020
Response via : Initial Calibration

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

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

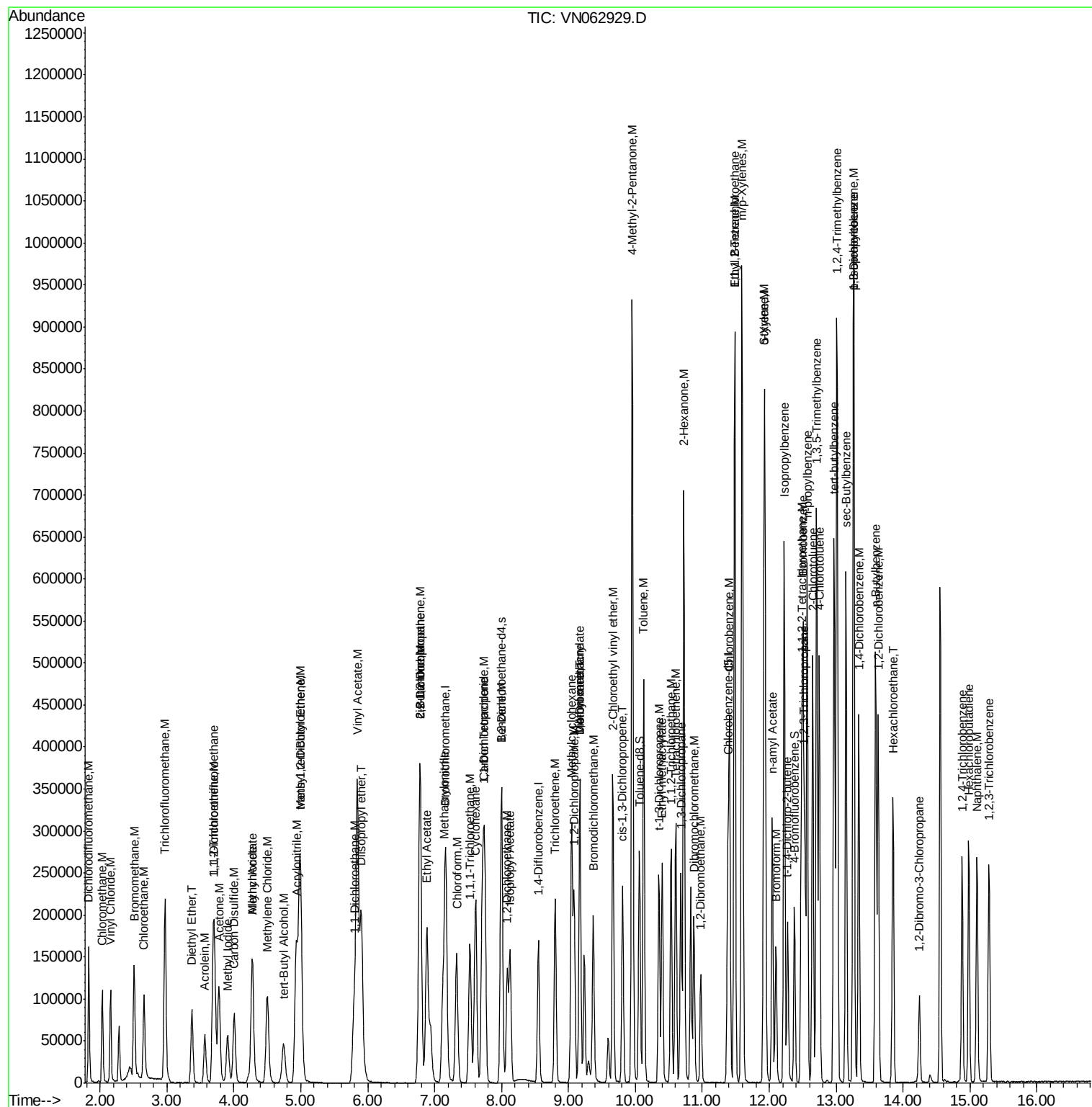
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
Data File : VN062929.D
Acq On : 13 Aug 2020 23:21
Operator : JC/MD
Sample : VSTDIC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 32 Sample Multiplier: 1

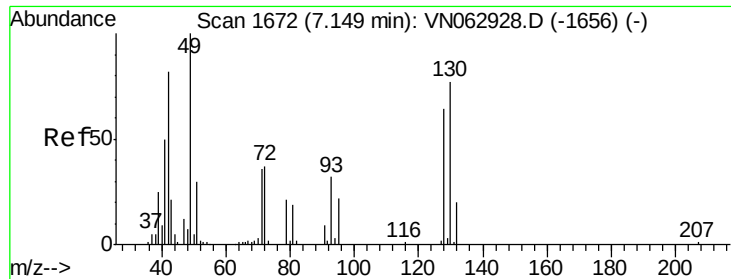
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Manual Integrations
APPROVED

MMDadoda
8/17/2020 9:20:05 AM

Quant Time: Aug 14 05:52:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 14 05:30:32 2020
Response via : Initial Calibration





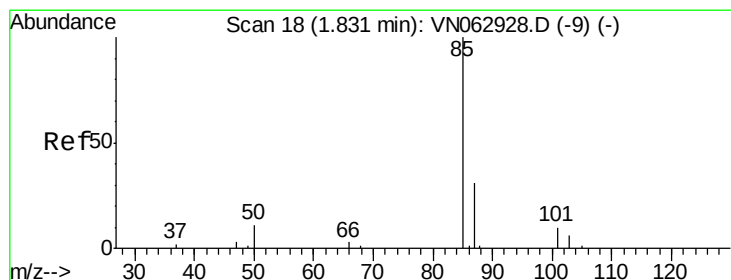
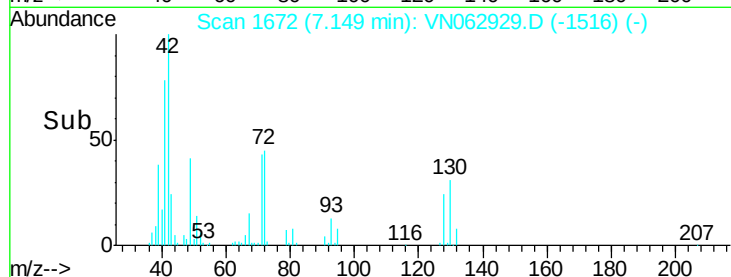
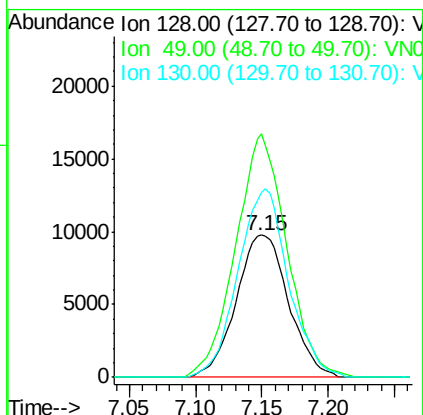
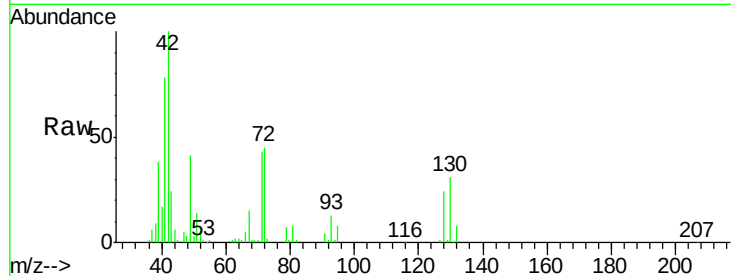
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
49	166.4	0.0	410.0
130	128.0	0.0	316.5

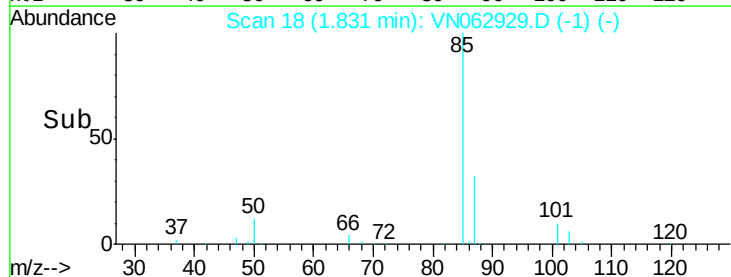
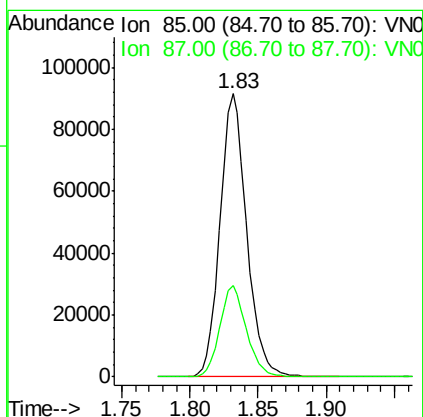
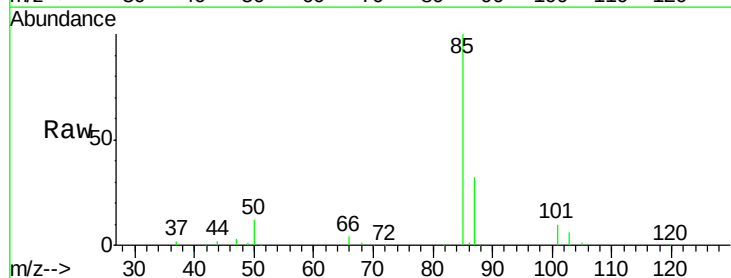
Manual Integrations
APPROVED

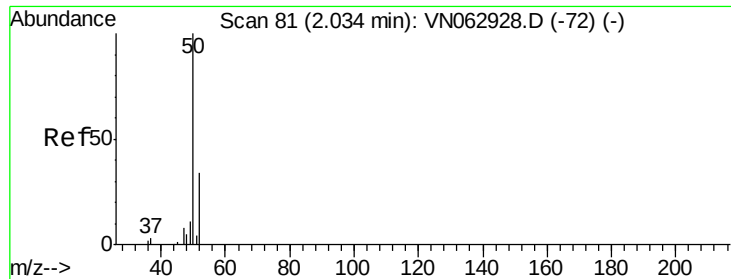
MMDadoda
8/17/2020 9:20:05 AM



#2
Dichlorodifluoromethane
Concen: 70.585 ug/l
RT: 1.83 min Scan# 18
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.4	46.2





#3

Chloromethane

Concen: 43.725 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 96487

Ion Ratio Lower Upper

50 100

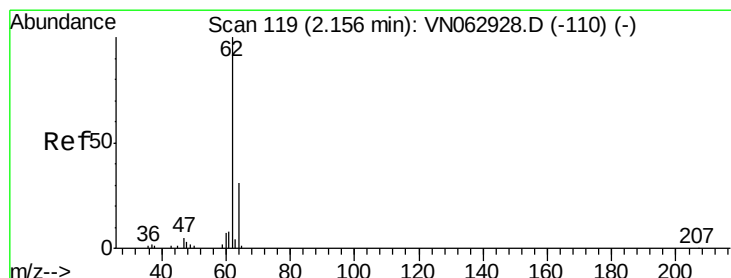
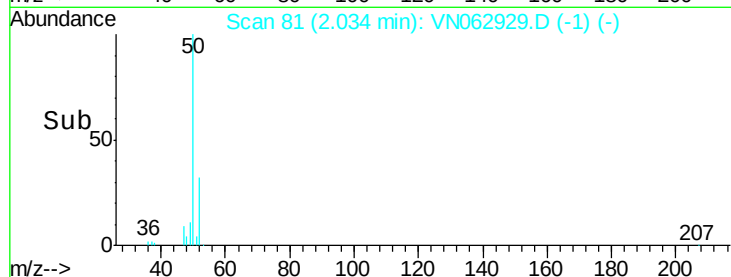
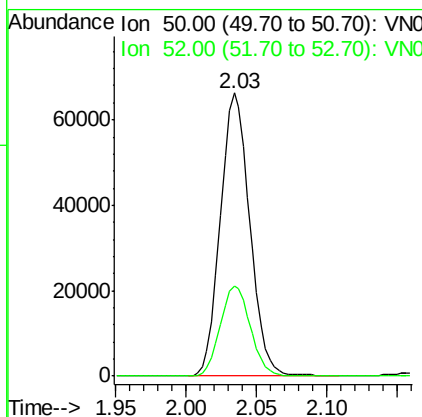
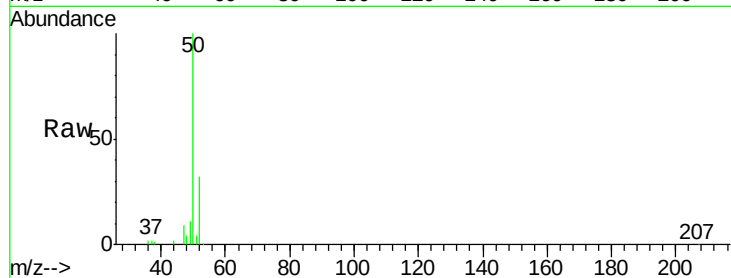
52 32.0 27.1 40.7

Manual Integrations

APPROVED

MMDadoda

8/17/2020 9:20:05 AM



#4

Vinyl Chloride

Concen: 48.830 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062929.D

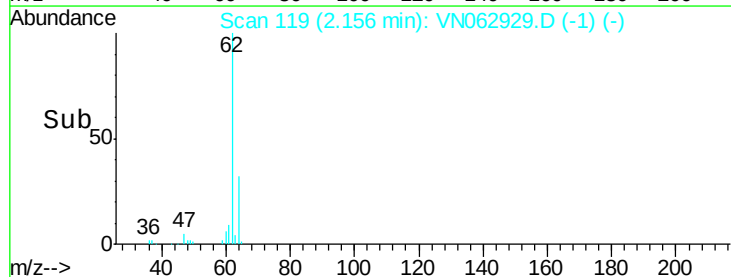
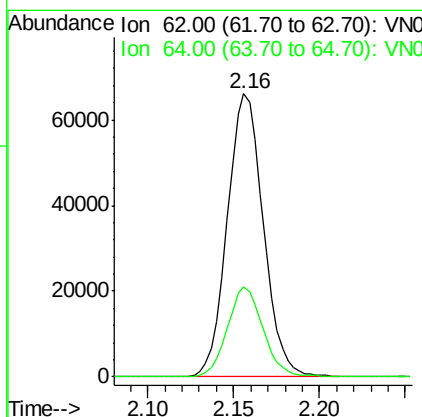
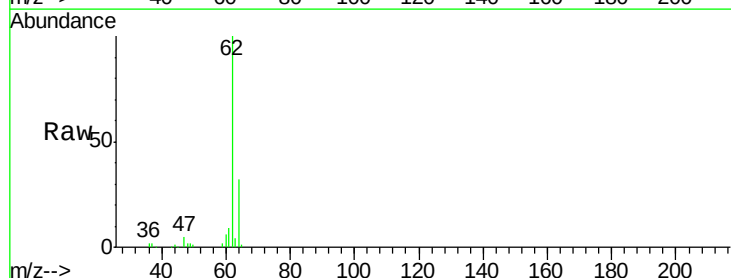
Acq: 13 Aug 2020 23:21

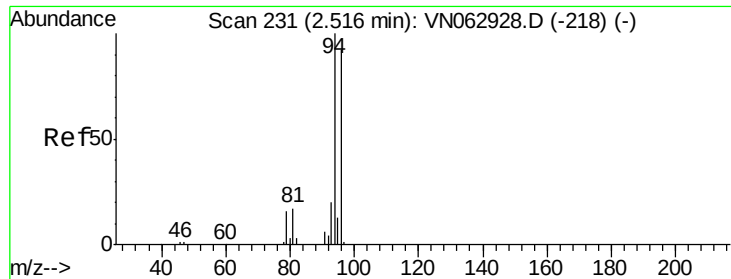
Tgt Ion: 62 Resp: 96334

Ion Ratio Lower Upper

62 100

64 31.8 24.6 37.0





#5

Bromomethane

Concen: 79.007 ug/l

RT: 2.51 min Scan# 229

Delta R.T. -0.01 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 92401

Ion Ratio Lower Upper

94 100

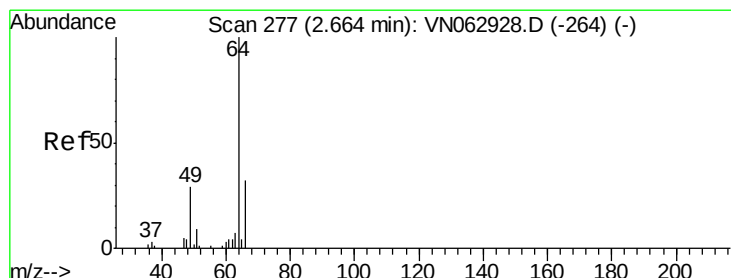
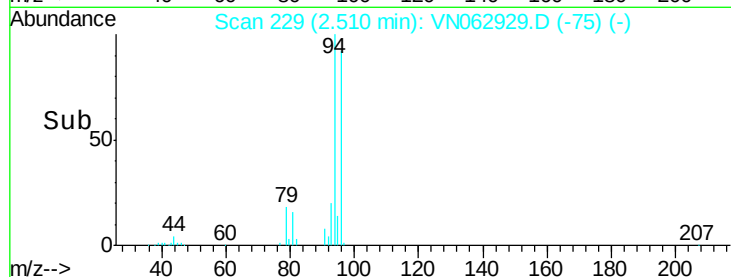
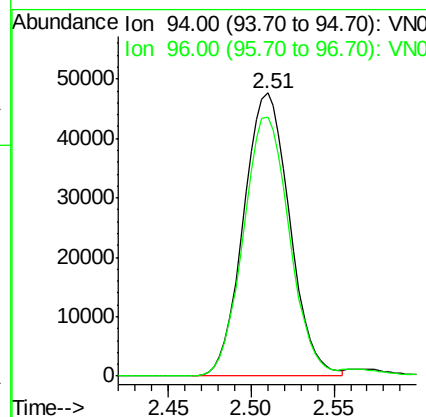
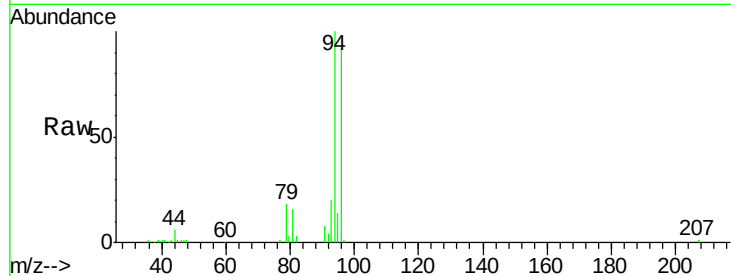
96 91.7 73.7 110.5

Manual Integrations

APPROVED

MMDadoda

8/17/2020 9:20:05 AM



#6

Chloroethane

Concen: 83.916 ug/l

RT: 2.66 min Scan# 275

Delta R.T. -0.01 min

Lab File: VN062929.D

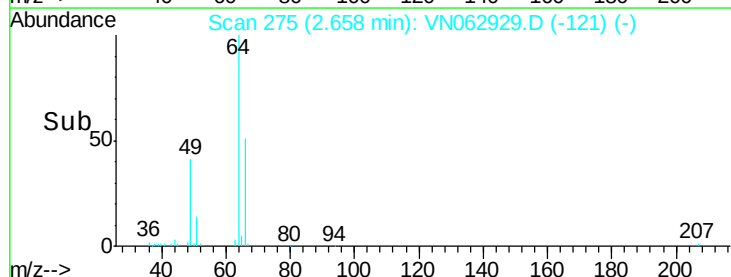
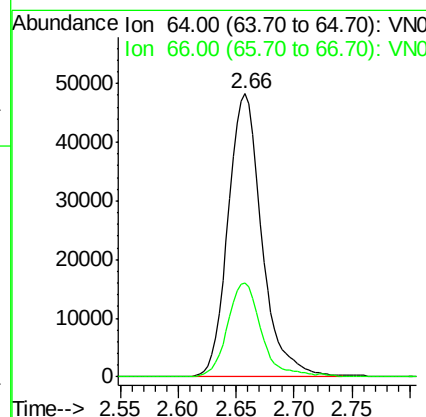
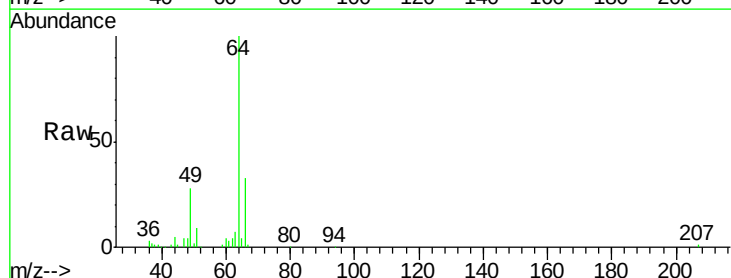
Acq: 13 Aug 2020 23:21

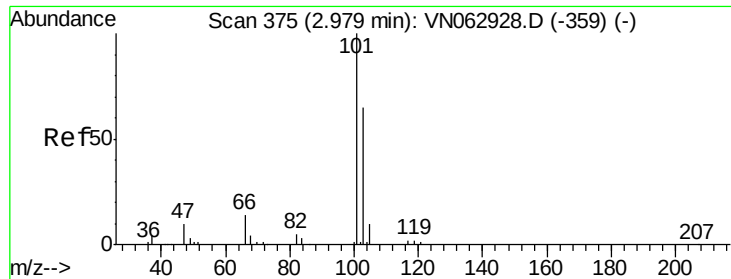
Tgt Ion: 64 Resp: 97320

Ion Ratio Lower Upper

64 100

66 33.3 25.3 37.9





#7

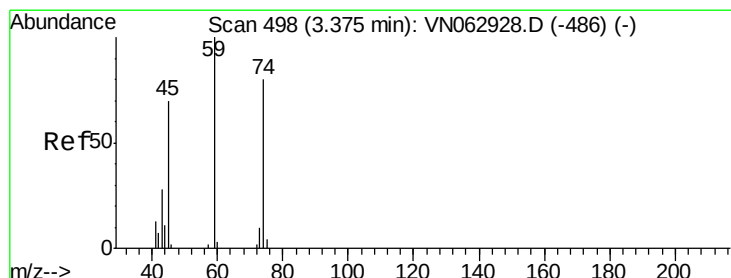
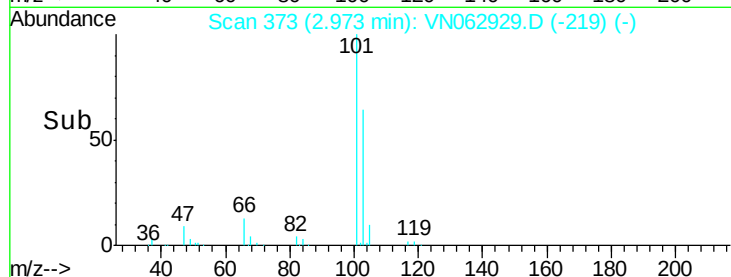
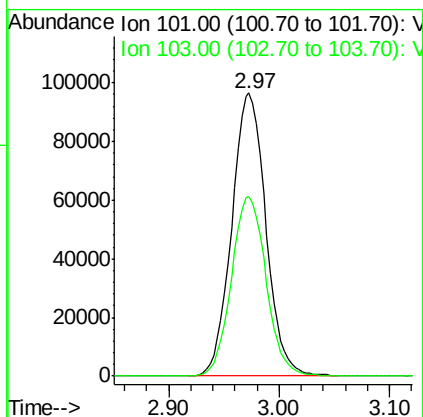
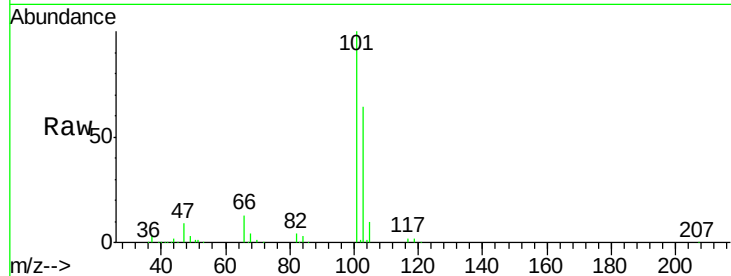
Trichlorofluoromethane
 Concen: 74.587 ug/l
 RT: 2.97 min Scan# 373
 Delta R.T. -0.01 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	206524		
103	63.7	51.8	77.6	

Manual Integrations
 APPROVED

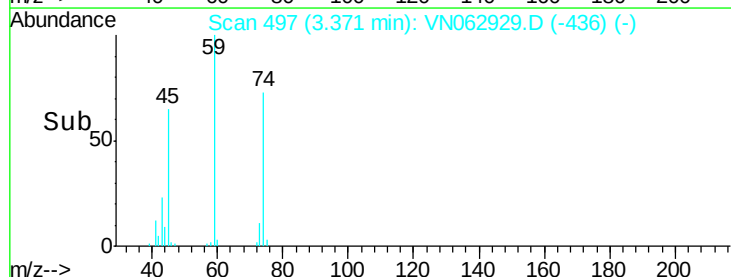
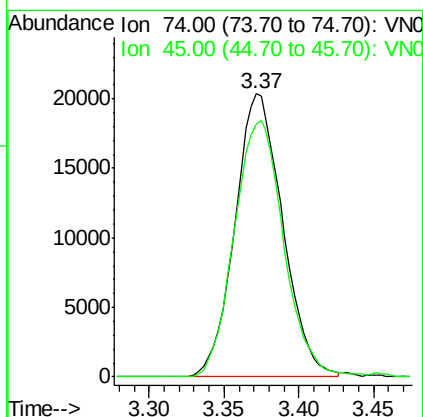
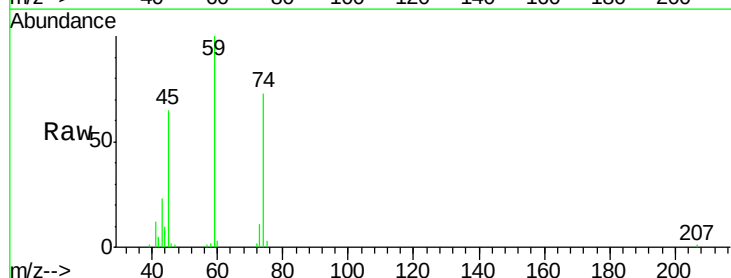
MMDadoda
 8/17/2020 9:20:05 AM

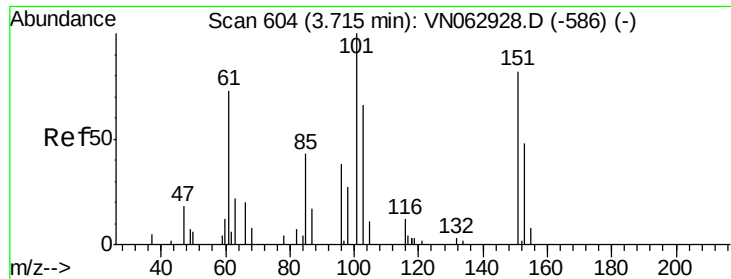


#8

Diethyl Ether
 Concen: 42.109 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	45197		
45	93.8	18.7	167.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.230 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

Instrument :

MSVOA_N

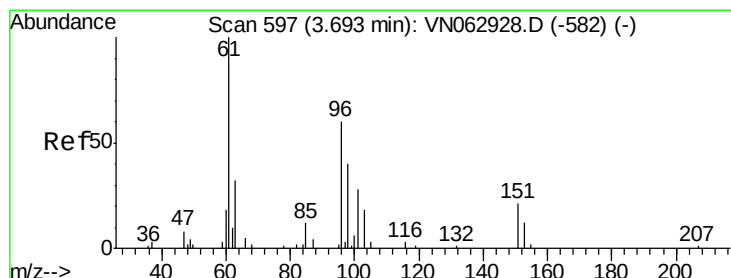
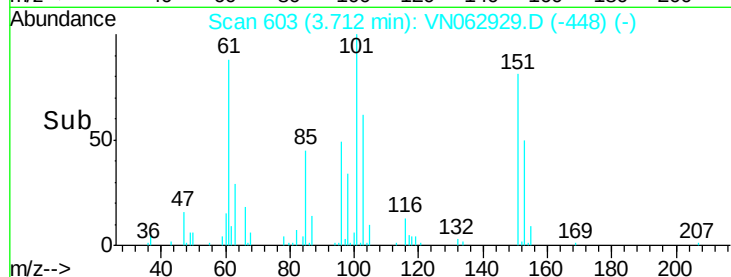
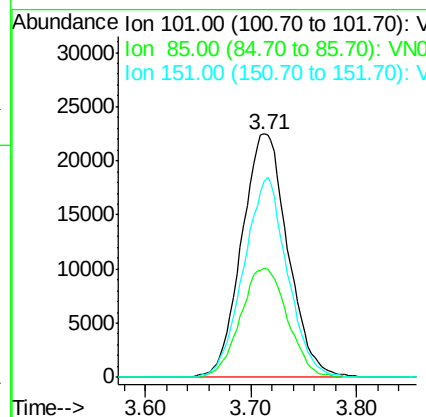
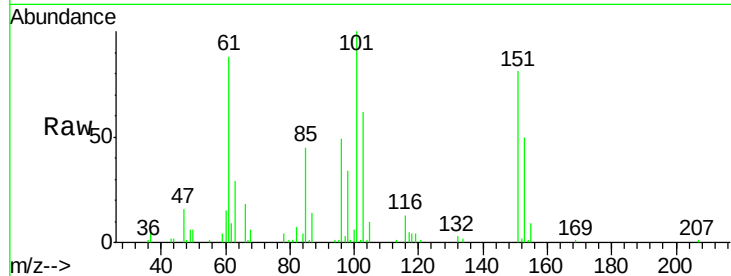
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	68252
Ion Ratio	Lower	Upper	
101	100		
85	45.6	0.0	92.4
151	77.7	0.0	162.6

Manual Integrations
APPROVED

MMDadoda
8/17/2020 9:20:05 AM



#10

1,1-Dichloroethene

Concen: 41.960 ug/l

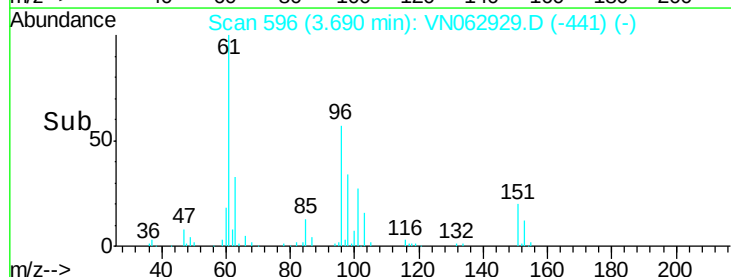
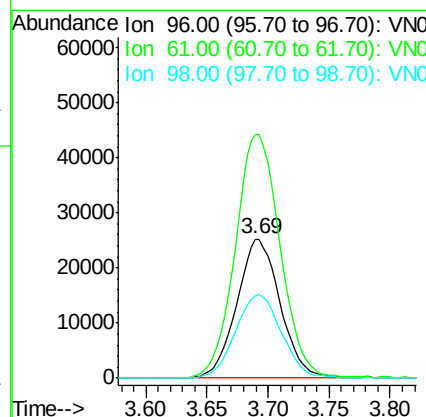
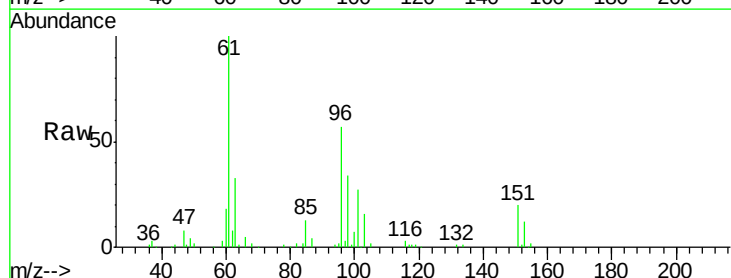
RT: 3.69 min Scan# 596

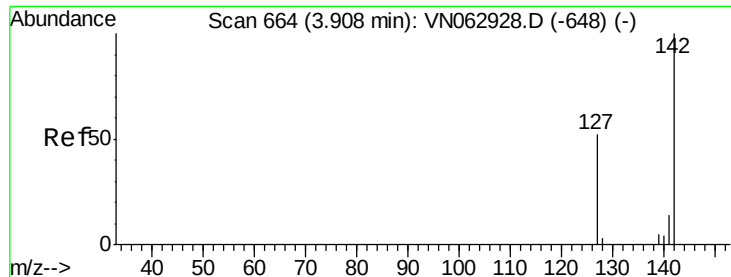
Delta R.T. -0.00 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

Tgt Ion:	96	Resp:	61963
Ion Ratio	Lower	Upper	
96	100		
61	173.8	134.5	201.7
98	59.6	53.3	79.9





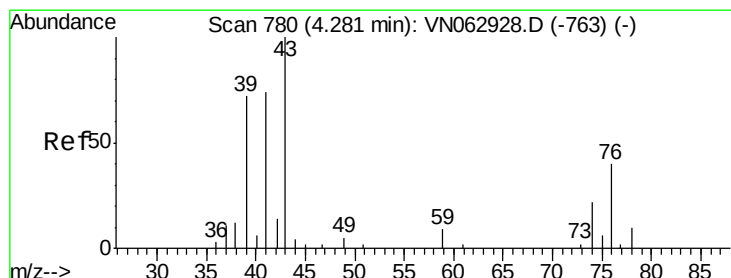
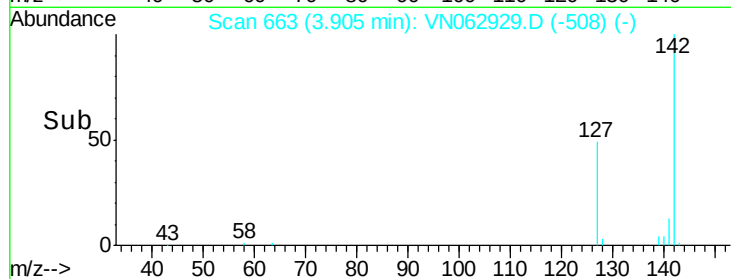
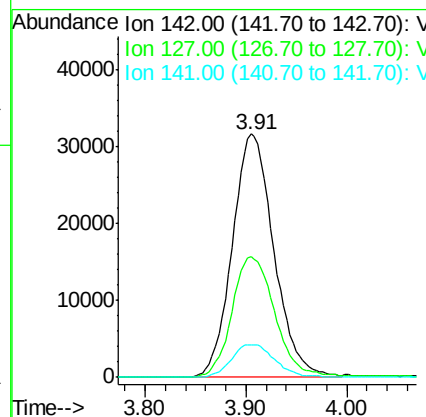
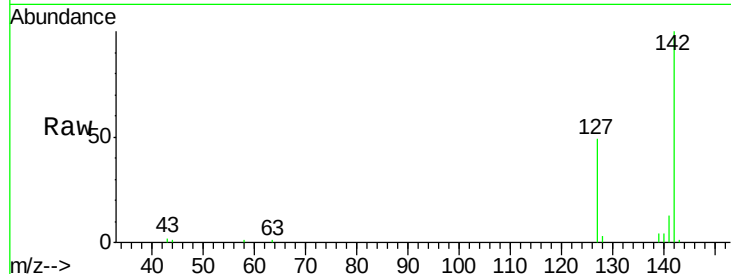
#11
Methvl Iodide
Concen: 49.142 ug/l
RT: 3.91 min Scan# 663
Delta R.T. -0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	49.3	26.1	78.3
141	13.5	7.2	21.7

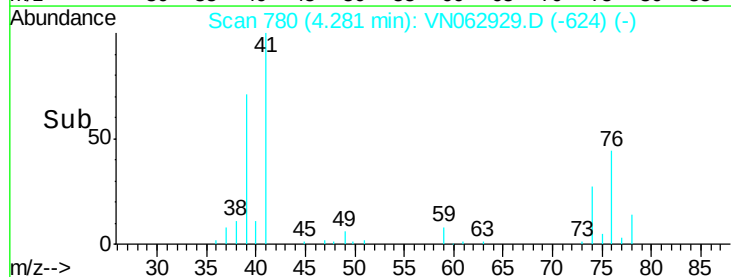
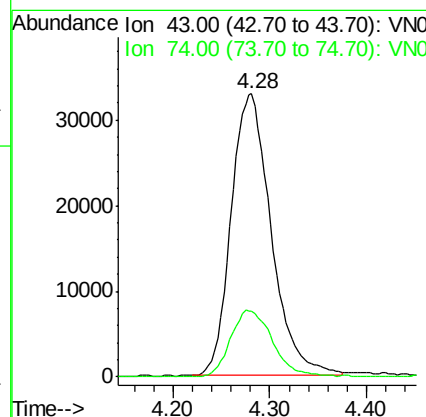
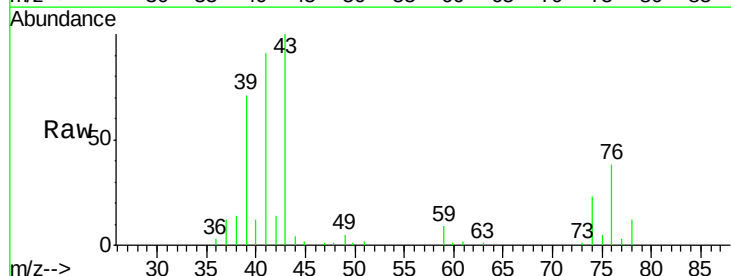
Manual Integrations
APPROVED

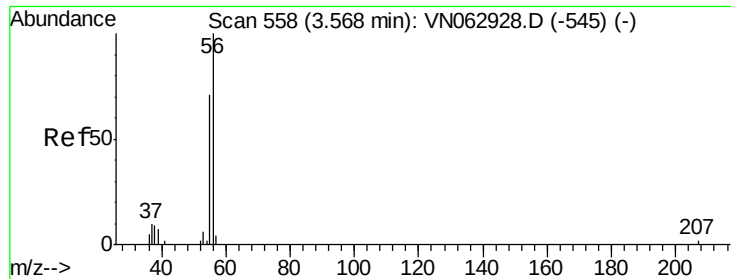
MMDadoda
8/17/2020 9:20:05 AM



#12
Methyl Acetate
Concen: 46.774 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.1	27.1





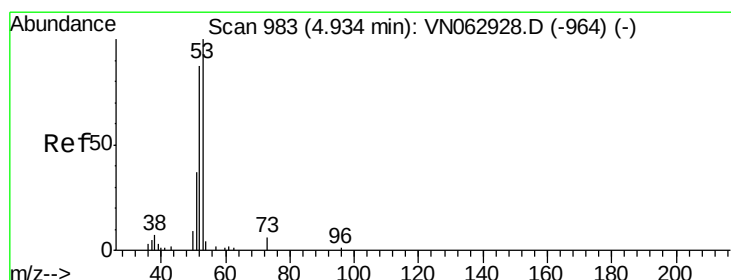
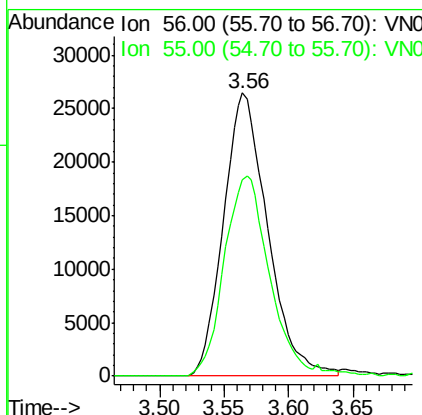
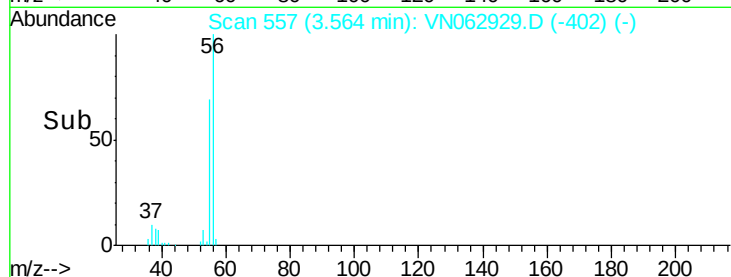
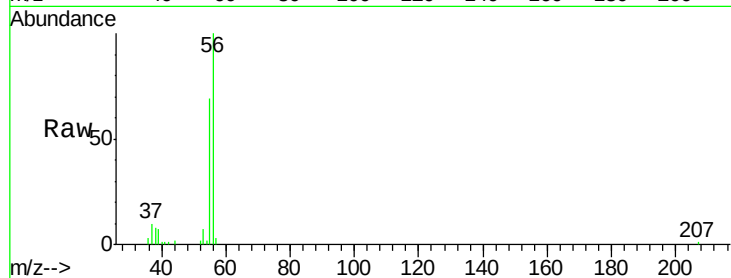
#13
Acrolein
Concen: 218.632 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	56	Resp	62964
Ion Ratio	Lower	Upper	
56	100		
55	71.3	60.2	90.4

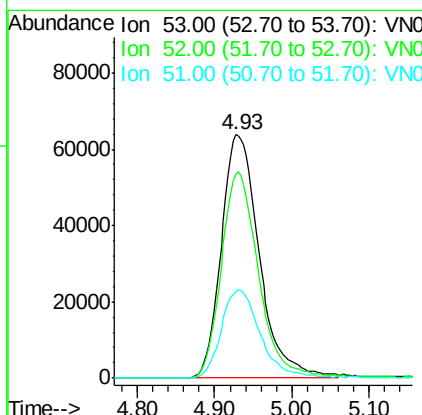
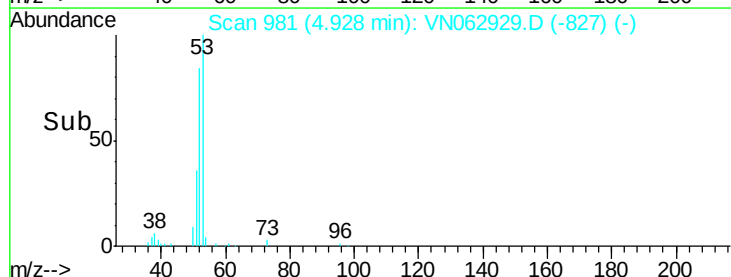
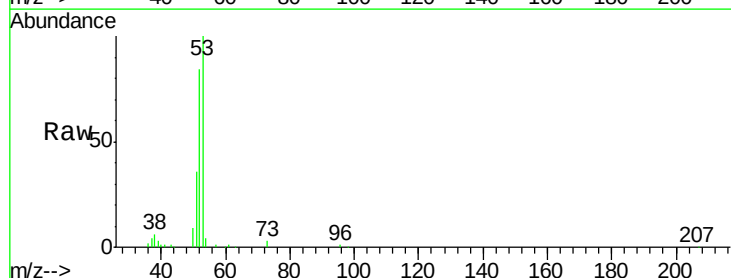
Manual Integrations
APPROVED

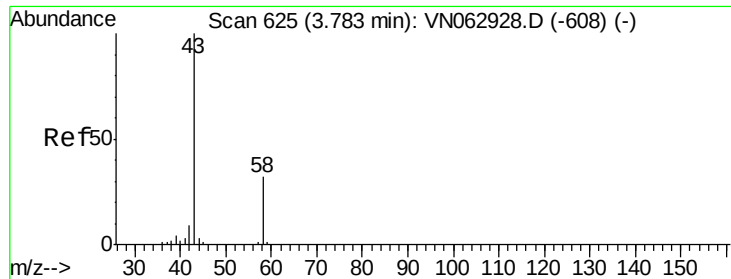
MMDadoda
8/17/2020 9:20:05 AM



#14
Acrylonitrile
Concen: 234.056 ug/l
RT: 4.93 min Scan# 981
Delta R.T. -0.01 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Tgt Ion	53	Resp	217421
Ion Ratio	Lower	Upper	
53	100		
52	82.3	43.1	129.4
51	36.8	19.1	57.1





#15

Acetone

Concen: 209.312 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 56588

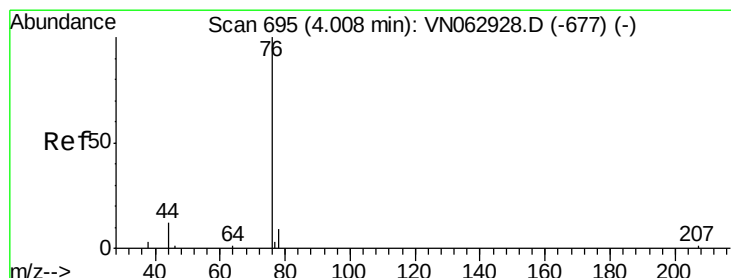
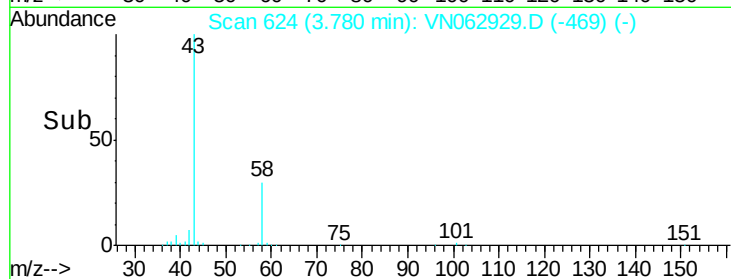
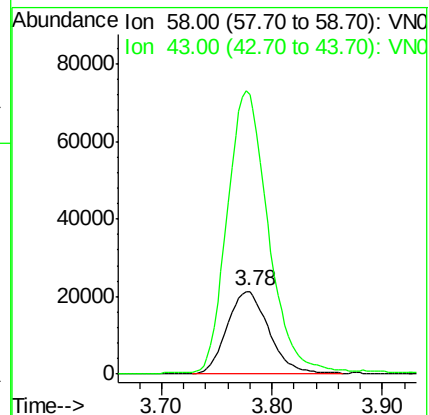
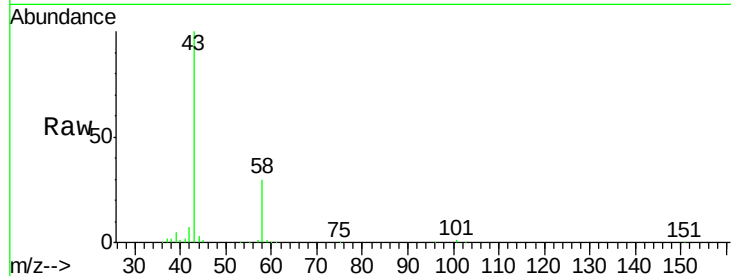
Ion Ratio Lower Upper

58 100

43 336.1 250.0 375.0

Manual Integrations
APPROVED

MMDadoda
8/17/2020 9:20:05 AM



#16

Carbon Disulfide

Concen: 35.585 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062929.D

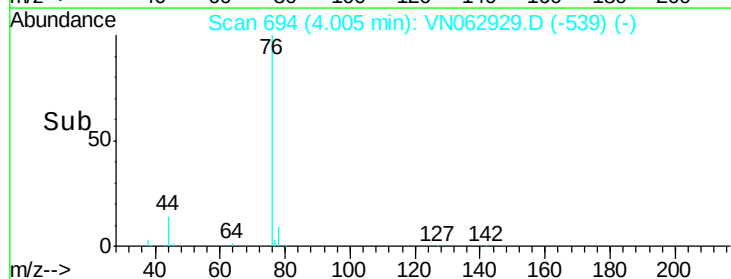
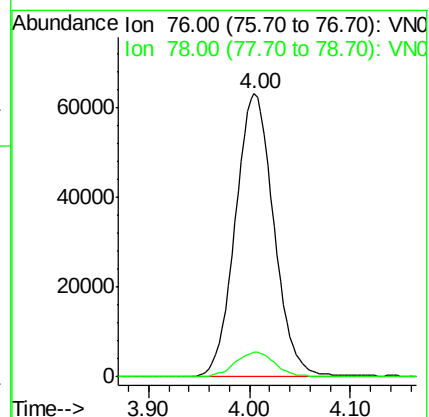
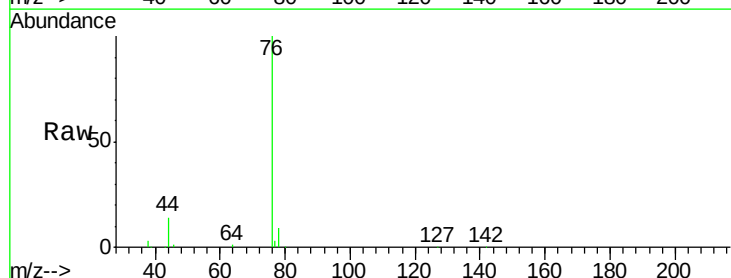
Acq: 13 Aug 2020 23:21

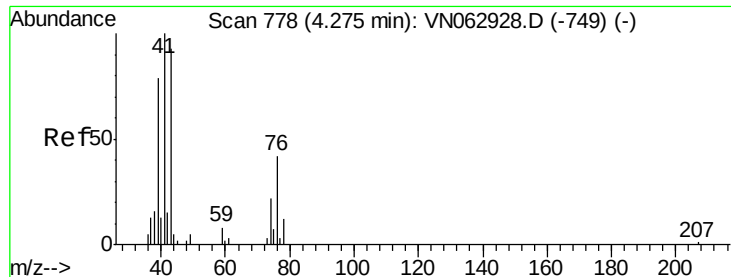
Tgt Ion: 76 Resp: 166940

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6





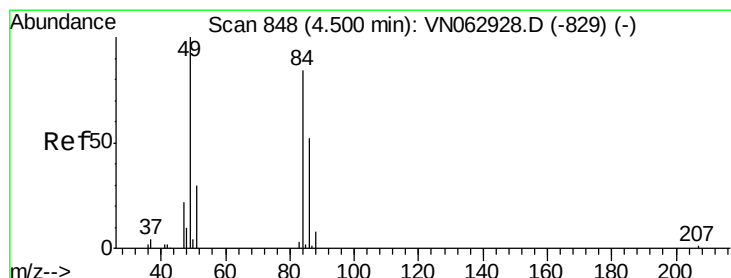
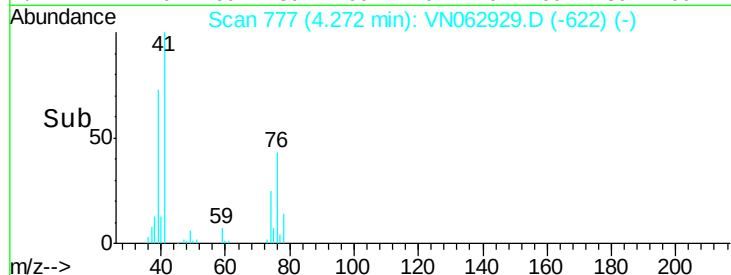
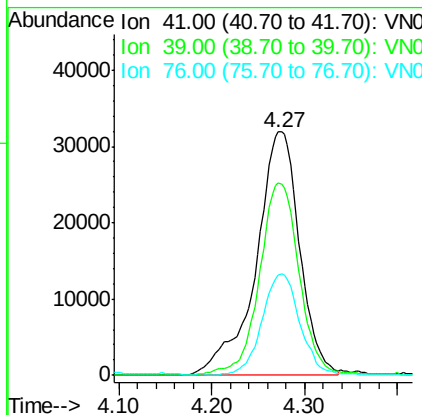
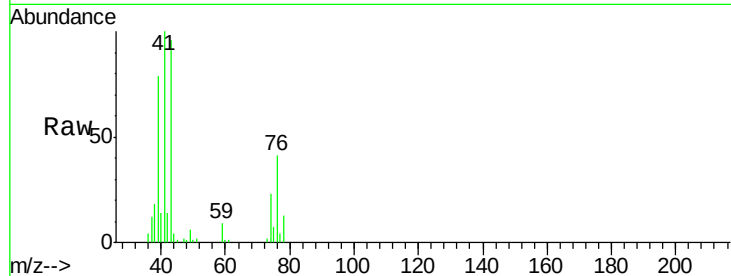
#17
Allvl chloride
Concen: 35.022 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	78.9	39.6	118.7
76	41.2	21.3	63.7

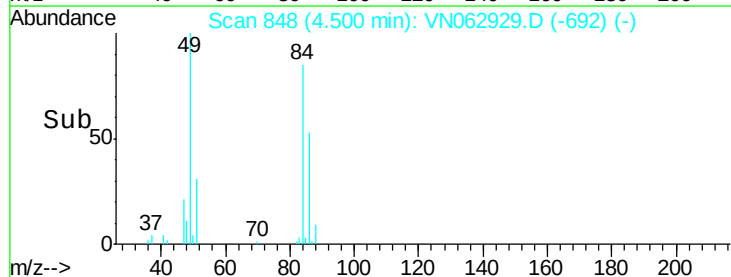
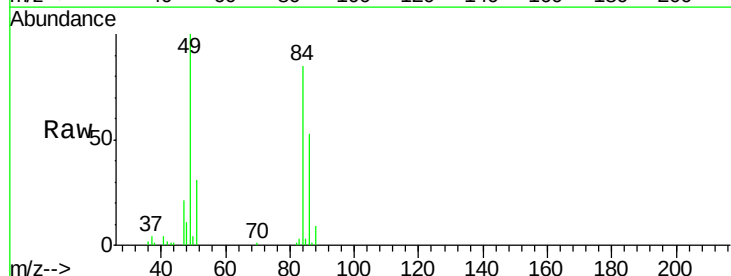
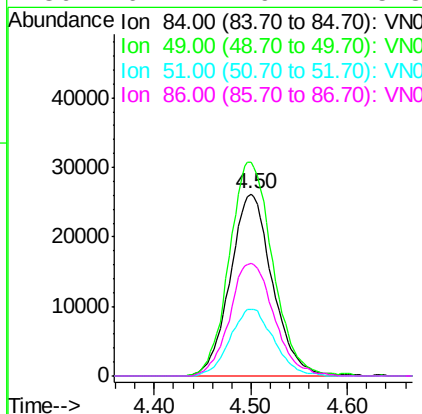
Manual Integrations
APPROVED

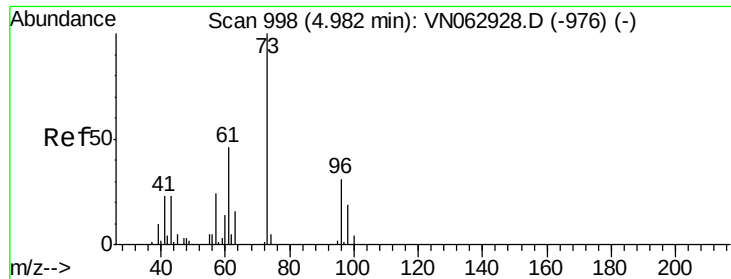
MMDadoda
8/17/2020 9:20:05 AM



#18
Methylene Chloride
Concen: 43.543 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.9	95.0	142.6
51	36.3	28.2	42.4
86	61.7	49.2	73.8





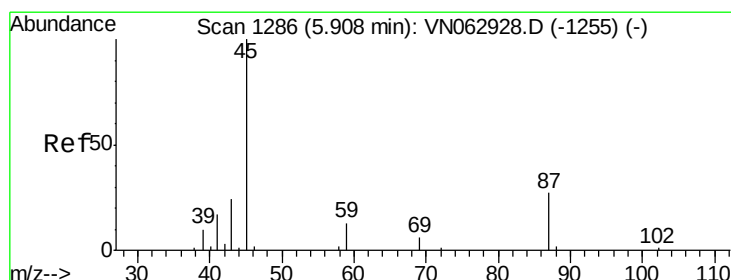
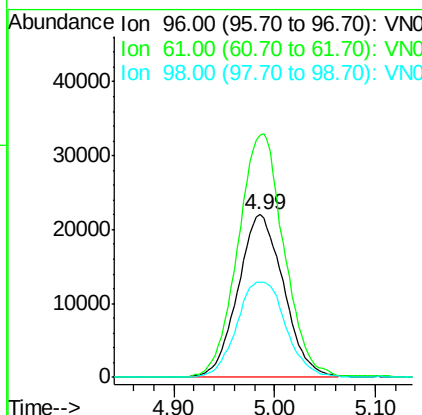
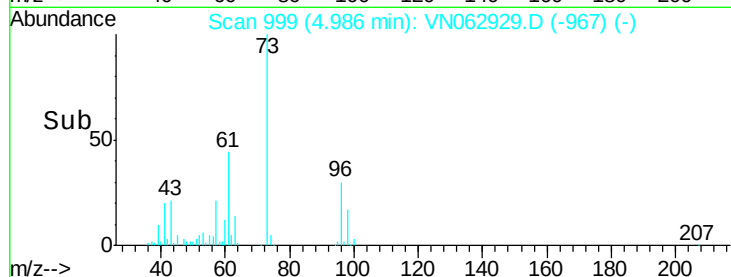
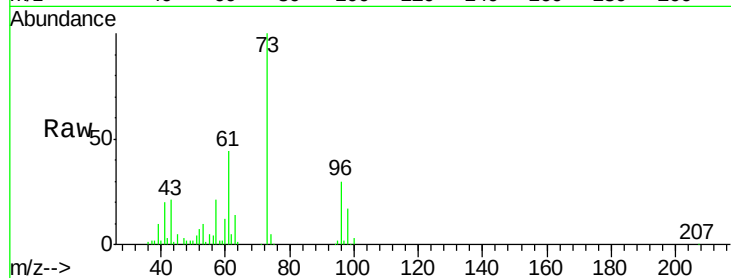
#19
trans-1,2-Dichloroethene
Concen: 42.486 ug/l
RT: 4.99 min Scan# 999
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.2	118.0	177.0
98	58.9	48.7	73.1

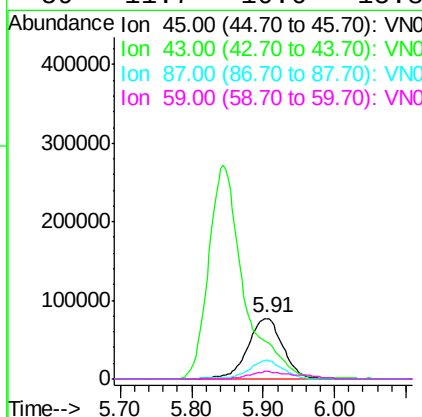
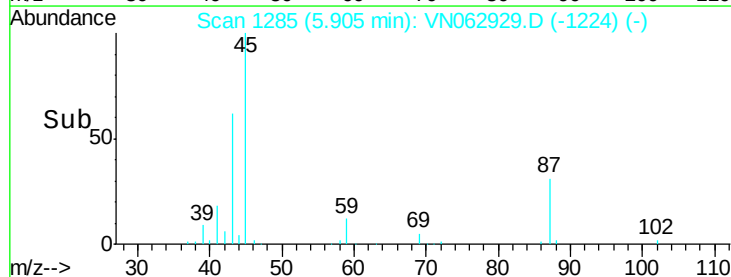
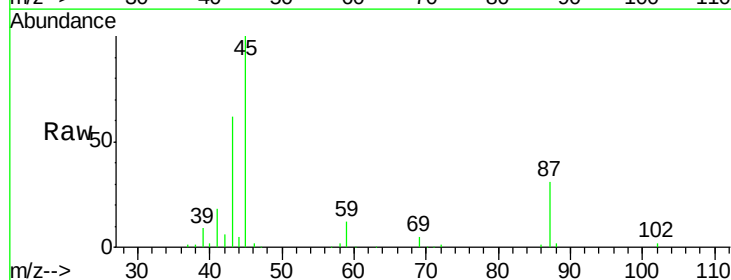
Manual Integrations
APPROVED

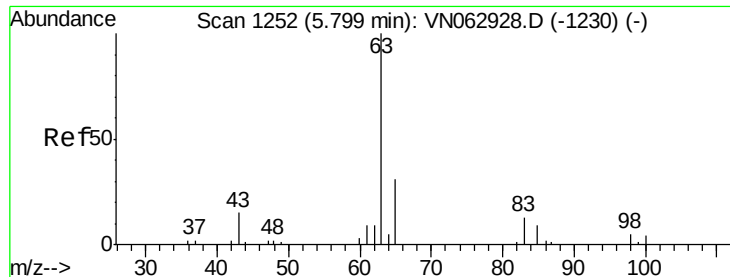
MMDadoda
8/17/2020 9:20:05 AM



#20
Diisopropyl ether
Concen: 41.167 ug/l
RT: 5.91 min Scan# 1285
Delta R.T. -0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.8	48.6	72.8
87	30.5	22.6	34.0
59	11.7	10.6	15.8





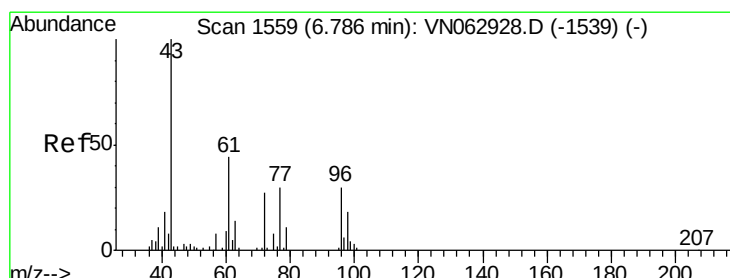
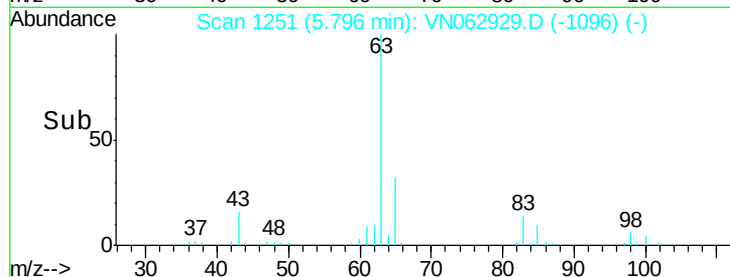
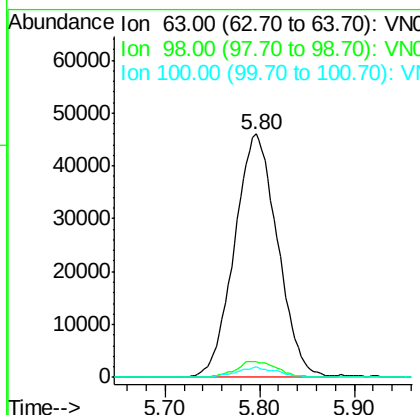
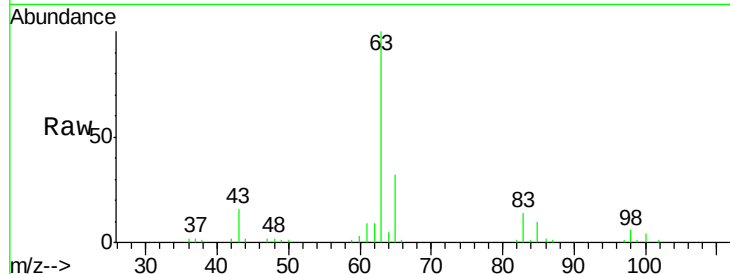
#21
 1,1-Dichloroethane
 Concen: 42.423 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	63	Resp	145879
Ion	Ratio	Lower	Upper
63	100		
98	6.3	2.6	7.8
100	4.2	2.1	6.5

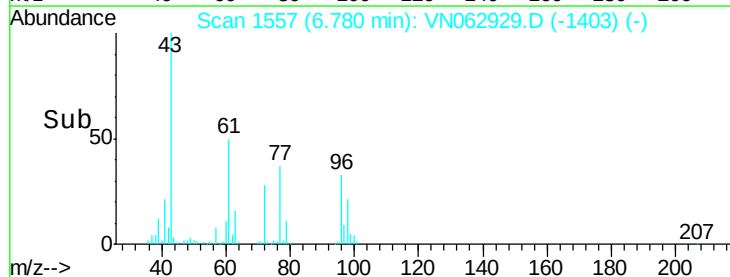
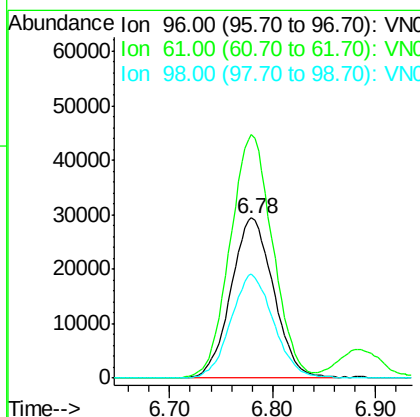
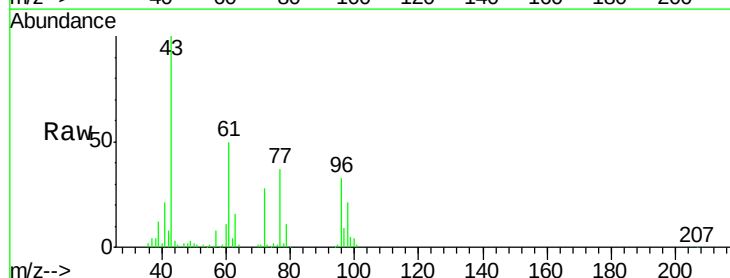
Manual Integrations
 APPROVED

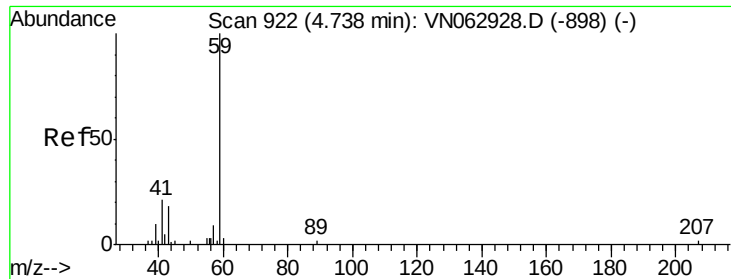
MMDadoda
 8/17/2020 9:20:05 AM



#22
 cis-1,2-Dichloroethene
 Concen: 45.419 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Tgt Ion	96	Resp	84673
Ion	Ratio	Lower	Upper
96	100		
61	151.9	124.9	187.3
98	64.6	27.8	41.6#





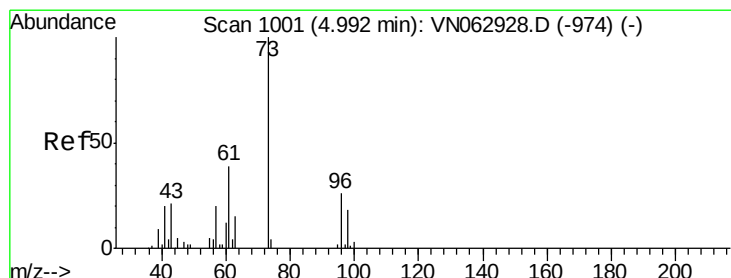
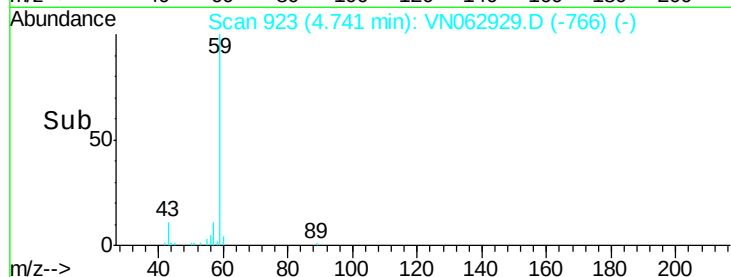
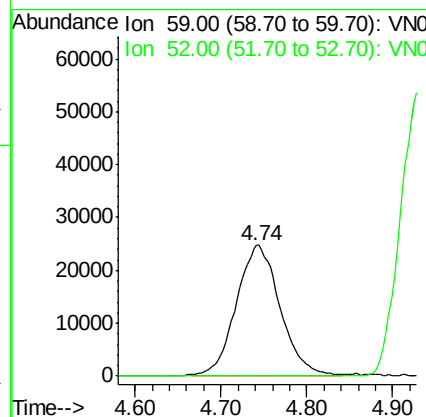
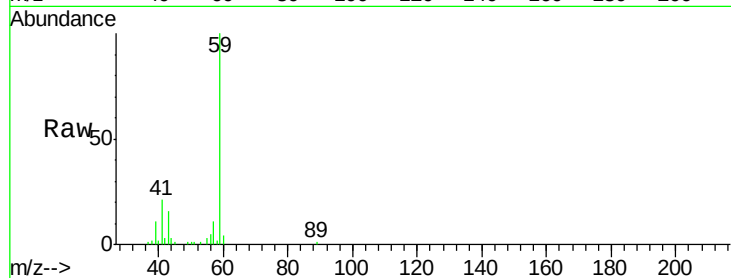
#23
 tert-Butyl Alcohol
 Concen: 271.529 ug/l
 RT: 4.74 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	88418		
52	0.0	0.0	0.0	0.0

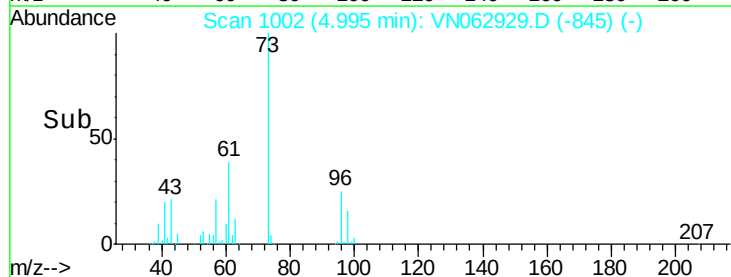
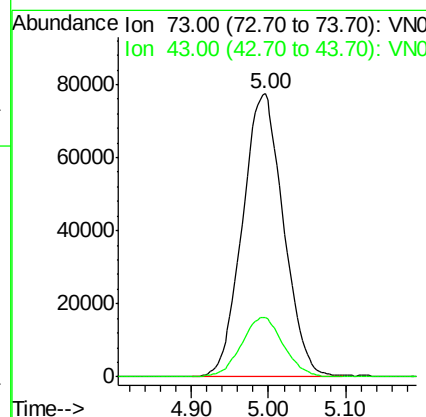
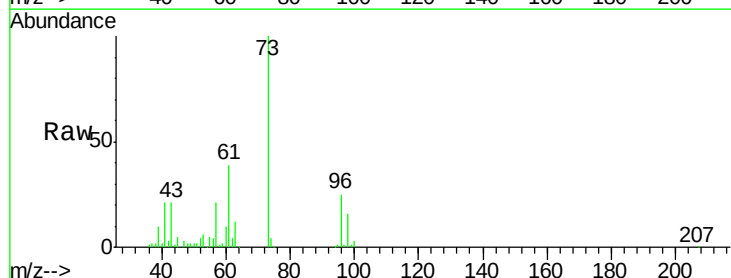
Manual Integrations
 APPROVED

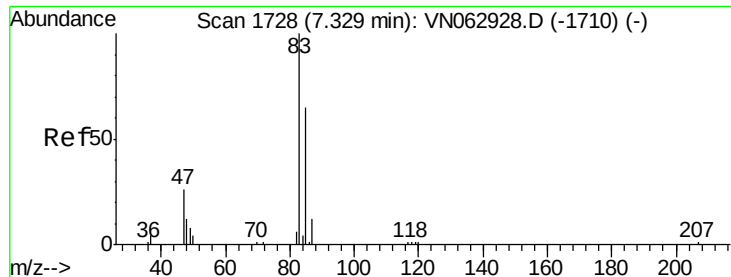
MMDadoda
 8/17/2020 9:20:05 AM



#24
 Methyl tert-Butyl Ether
 Concen: 51.162 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
73	100	286687		
43	21.6	17.3	25.9	





#25

Chloroform

Concen: 50.820 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. 0.00 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 83 Resp: 164828

Ion Ratio Lower Upper

83 100

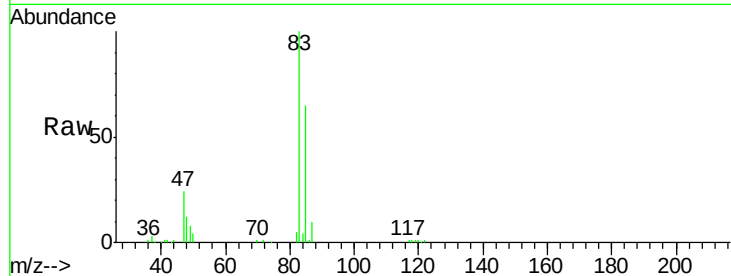
85 65.1 52.3 78.5

Manual Integrations

APPROVED

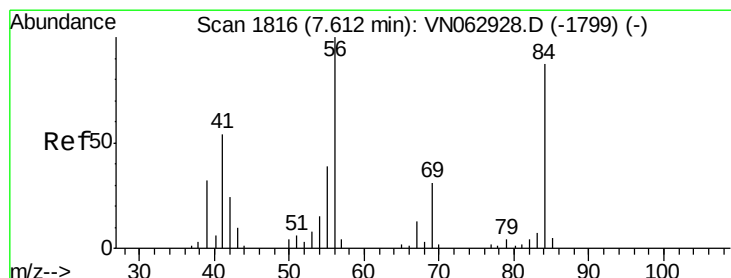
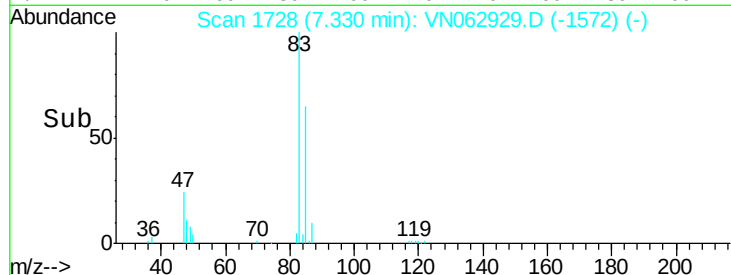
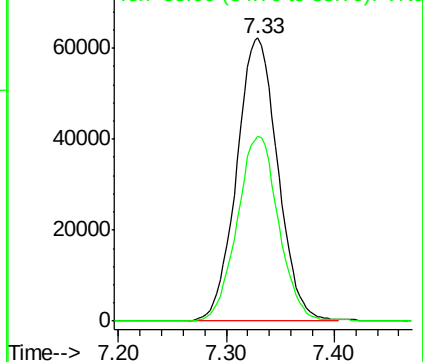
MMDadoda

8/17/2020 9:20:05 AM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 43.903 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

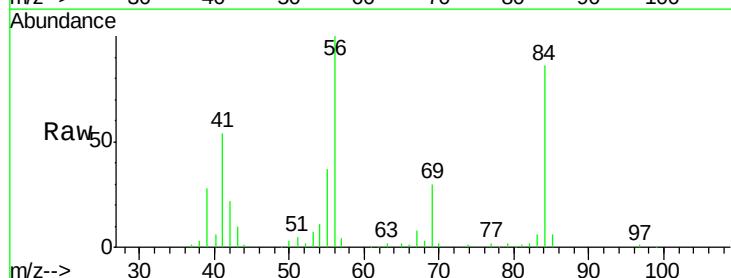
Tgt Ion: 56 Resp: 131240

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

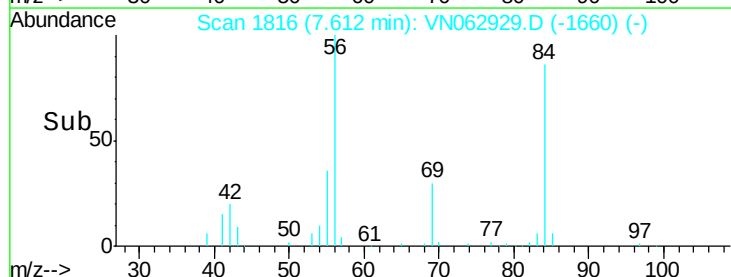
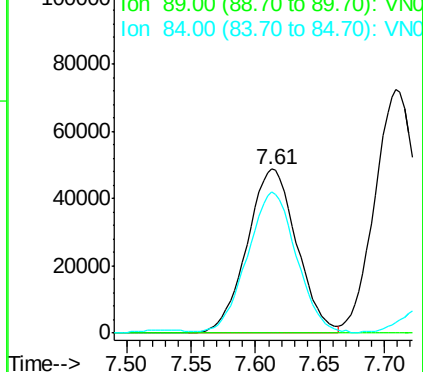
84 83.2 71.9 107.9

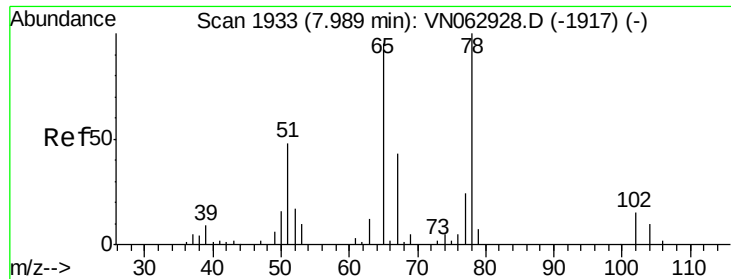


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 31.724 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 65 Resp: 73822

Ion Ratio Lower Upper

65 100

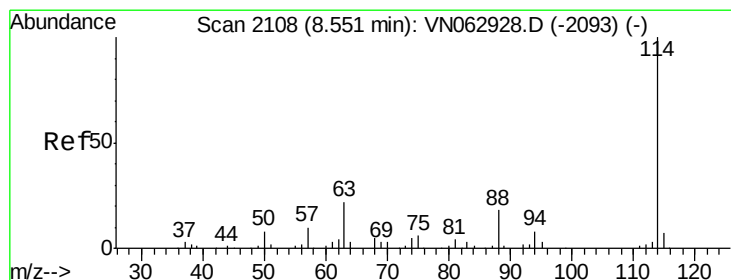
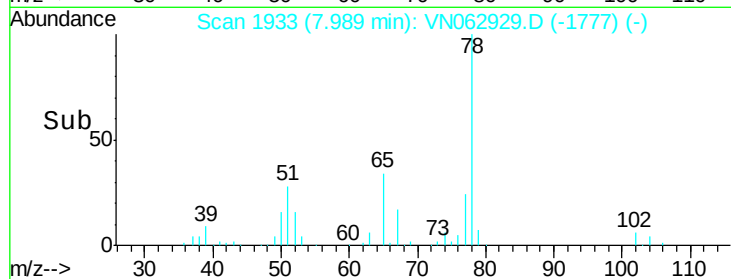
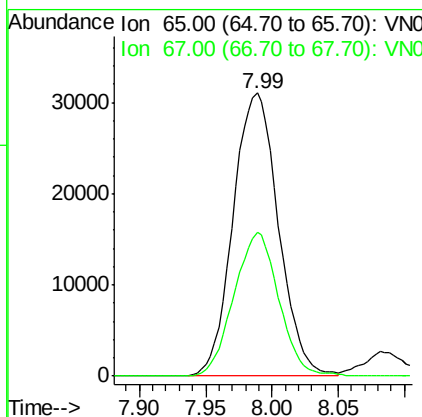
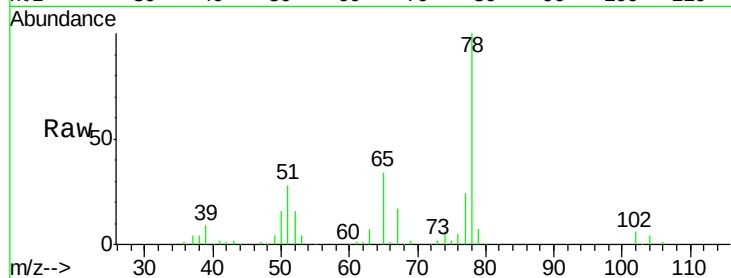
67 50.1 39.5 59.3

Manual Integrations

APPROVED

MMDadoda

8/17/2020 9:20:05 AM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

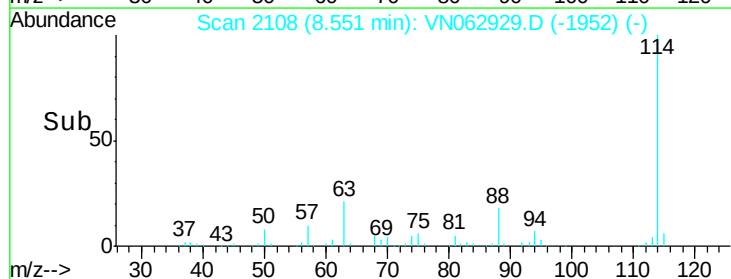
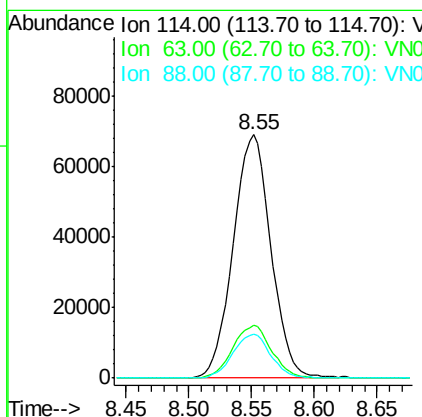
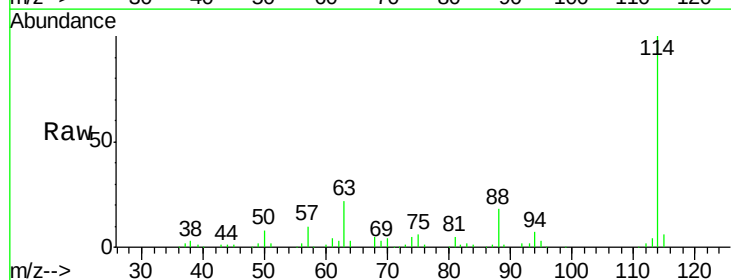
Tgt Ion: 114 Resp: 144369

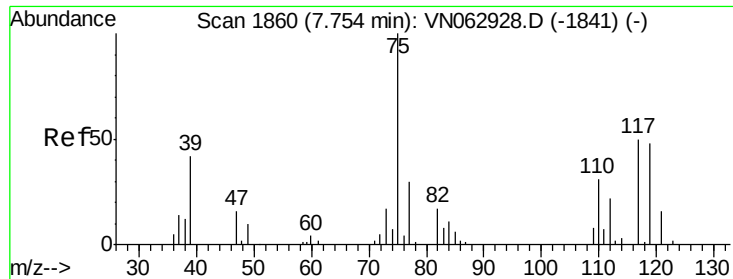
Ion Ratio Lower Upper

114 100

63 22.1 17.7 26.5

88 17.8 13.9 20.9





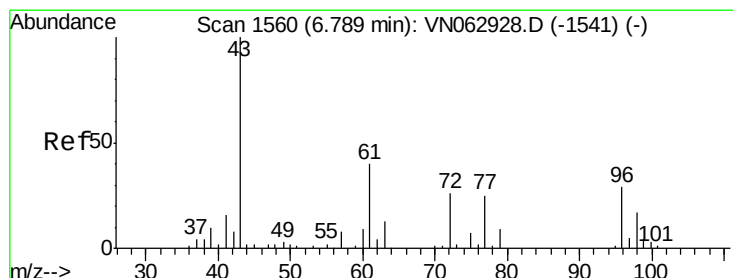
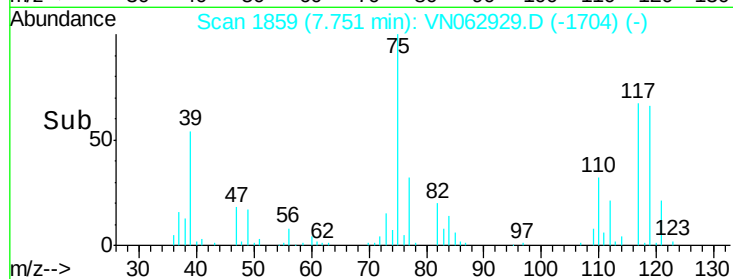
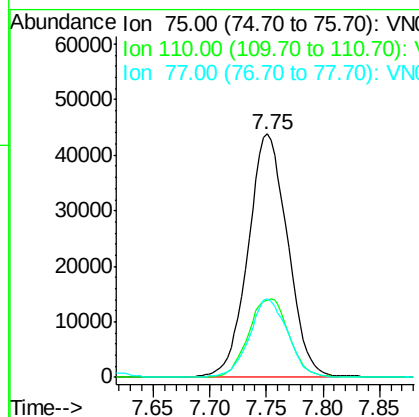
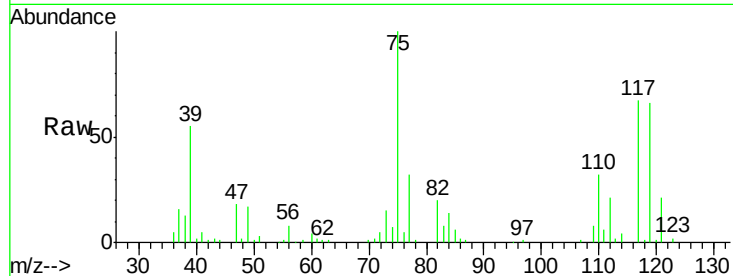
#29
 1,1-Dichloropropene
 Concen: 44.660 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.9	0.0	65.8
77	31.1	0.0	59.8

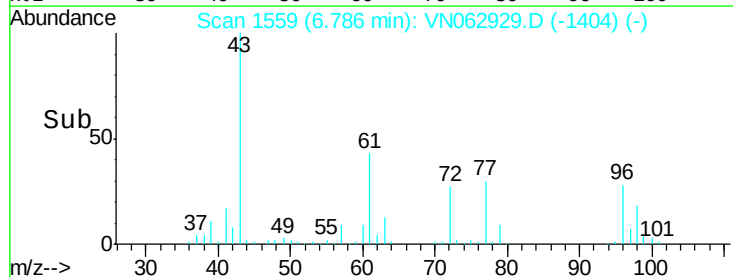
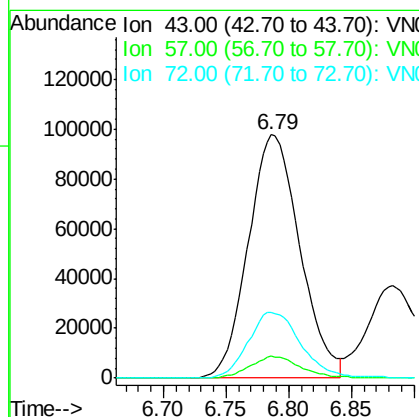
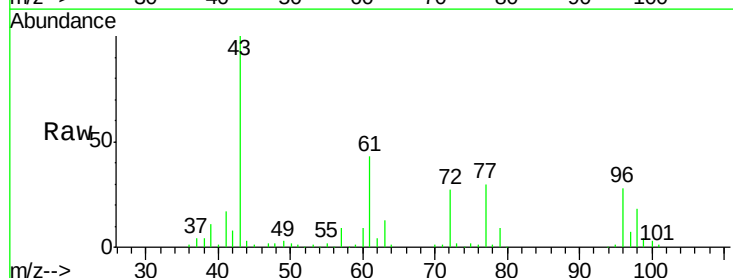
Manual Integrations
 APPROVED

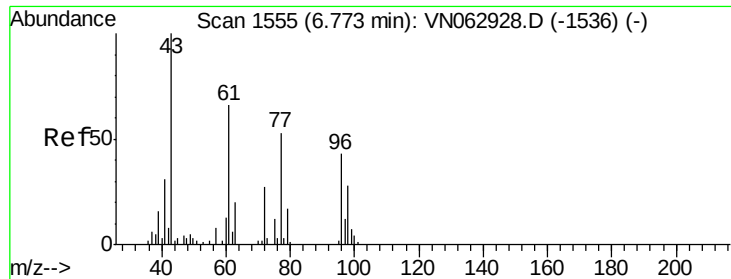
MMDadoda
 8/17/2020 9:20:05 AM



#30
 2-Butanone
 Concen: 227.080 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.8	7.0	10.6
72	27.9	22.0	33.0





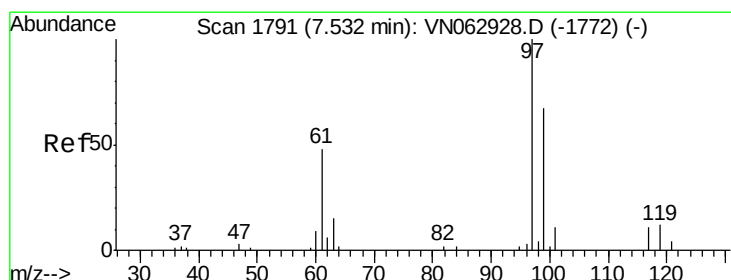
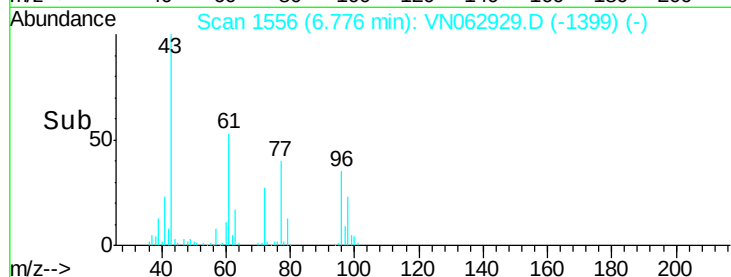
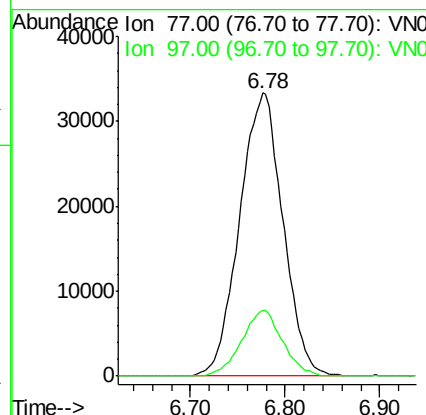
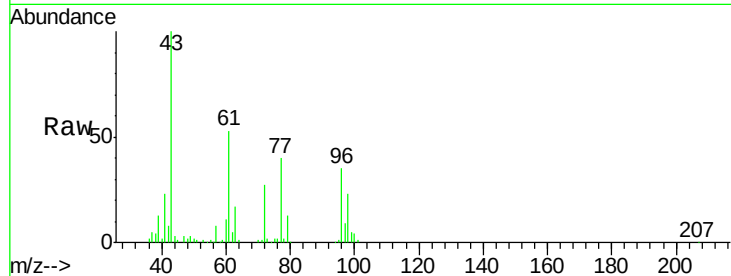
#31
 2,2-Dichloropropane
 Concen: 40.341 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
97	21.9	16.1	24.1	

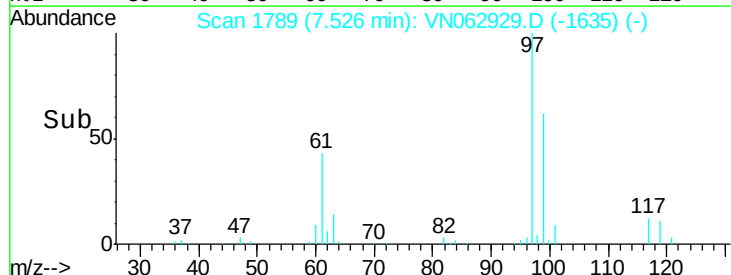
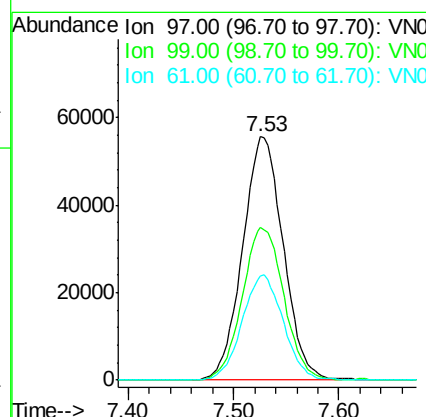
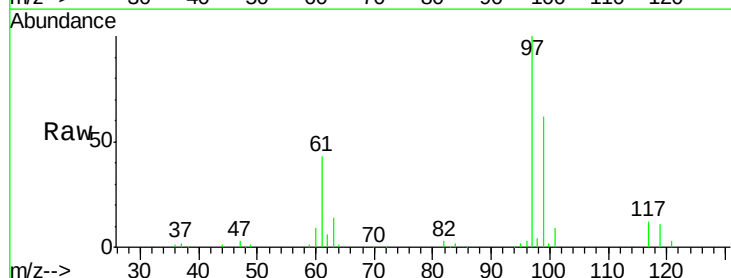
Manual Integrations
 APPROVED

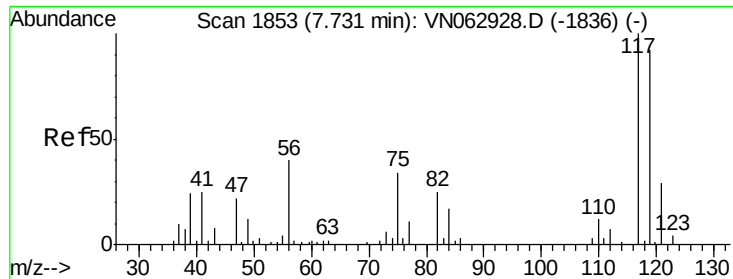
MMDadoda
 8/17/2020 9:20:05 AM



#32
 1,1,1-Trichloroethane
 Concen: 55.451 ug/l
 RT: 7.53 min Scan# 1789
 Delta R.T. -0.01 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.3	53.8	80.8	
61	43.6	36.3	54.5	





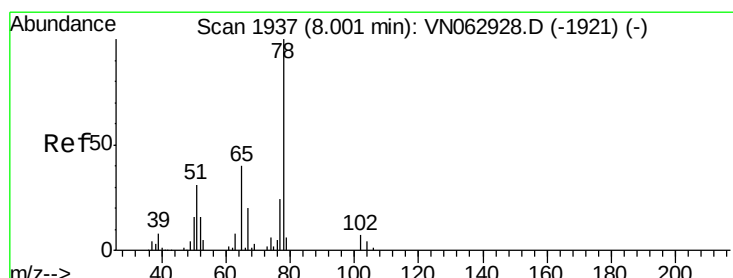
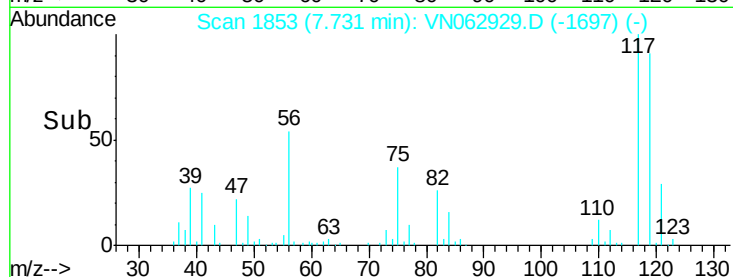
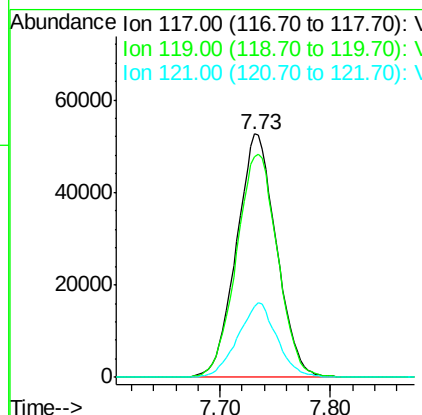
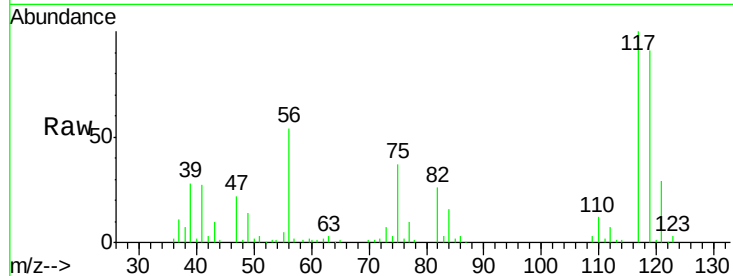
#33
Carbon Tetrachloride
Concen: 56.244 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	90.3	73.9	110.9
121	28.9	23.2	34.8

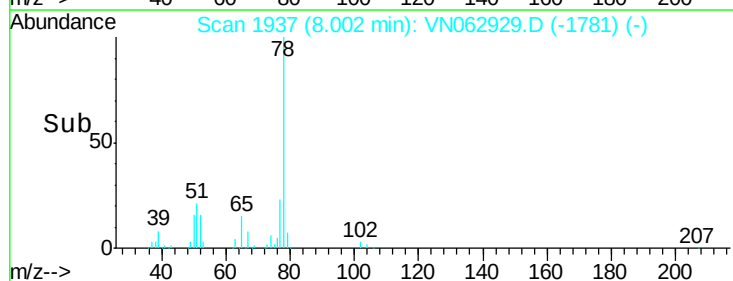
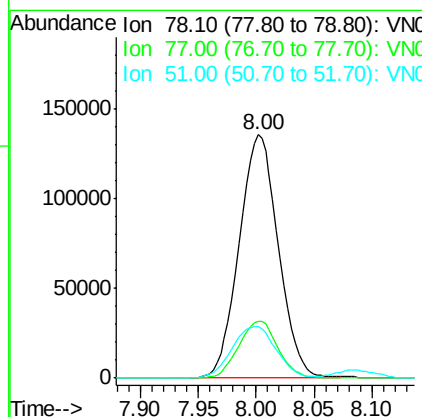
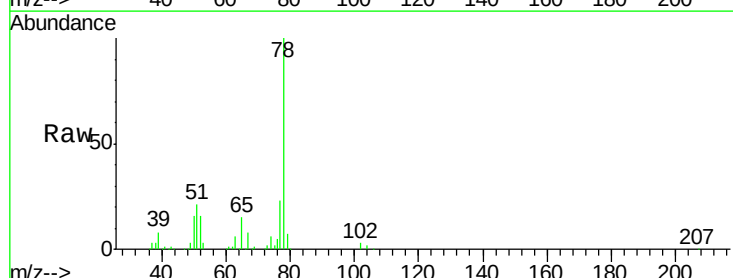
Manual Integrations
APPROVED

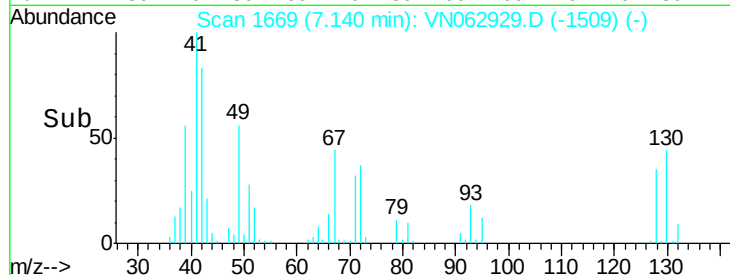
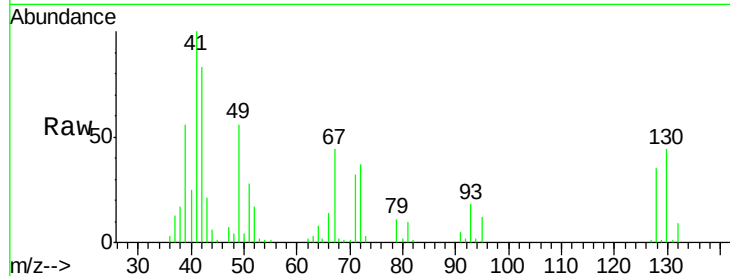
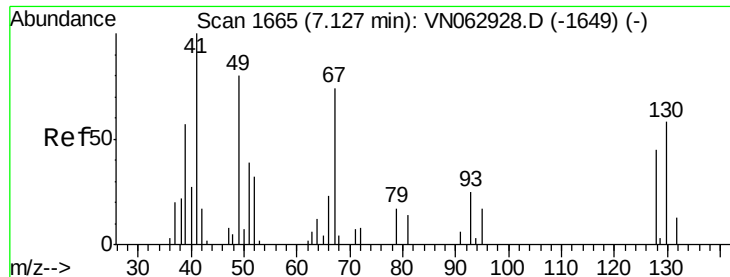
MMDadoda
8/17/2020 9:20:05 AM



#34
Benzene
Concen: 44.964 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

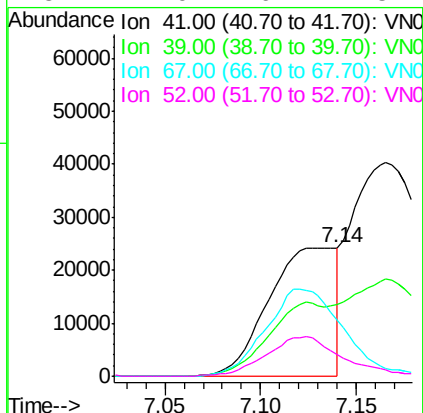
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.3	28.9
51	21.2	24.9	37.3#





#35
Methacrylonitrile
Concen: 55.189 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

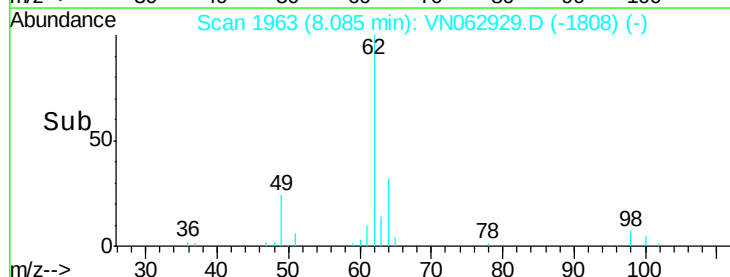
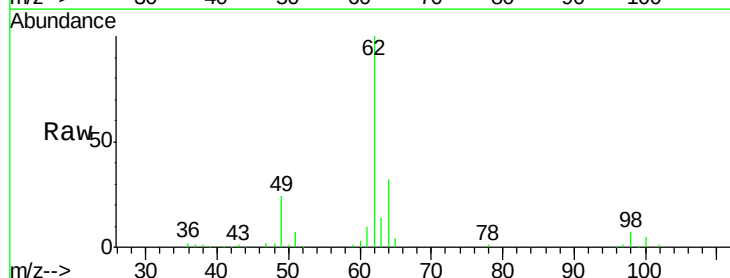
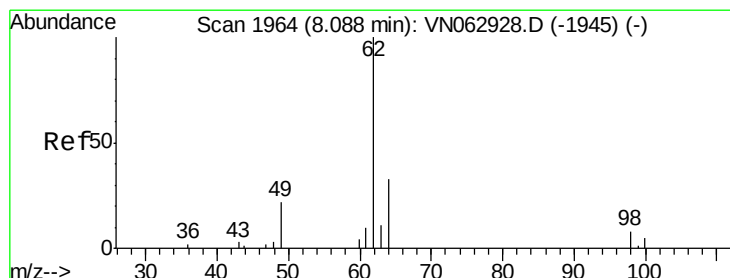
Tot Ion	41	Resp	59135
Ion Ratio	Lower	Upper	
41	100		
39	55.9	28.7	86.3
67	43.7	36.8	110.3
52	17.0	16.1	48.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

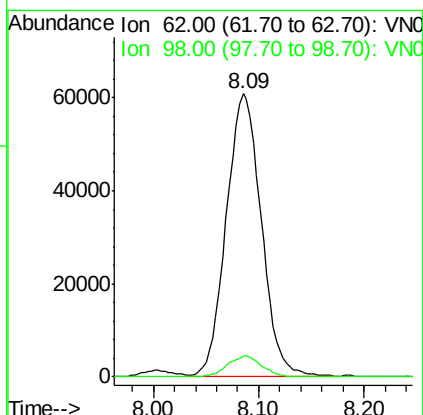
Manual Integrations
APPROVED

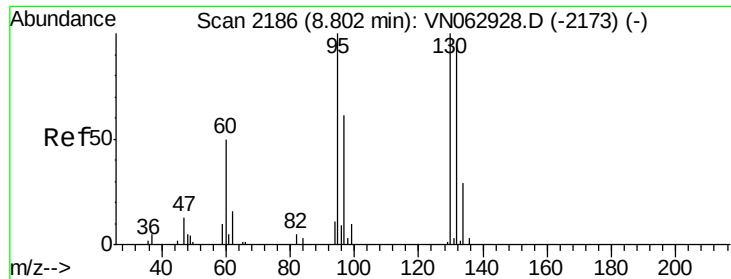
MMDadoda
8/17/2020 9:20:05 AM



#36
1,2-Dichloroethane
Concen: 53.058 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Tgt Ion	62	Resp	140537
Ion Ratio	Lower	Upper	
62	100		
98	7.3	6.1	9.1





#37

Trichloroethene

Concen: 47.568 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:130 Resp: 77207

Ion Ratio Lower Upper

130 100

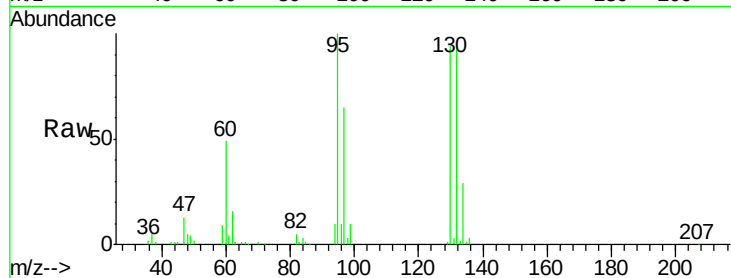
95 105.9 80.1 120.1

Manual Integrations

APPROVED

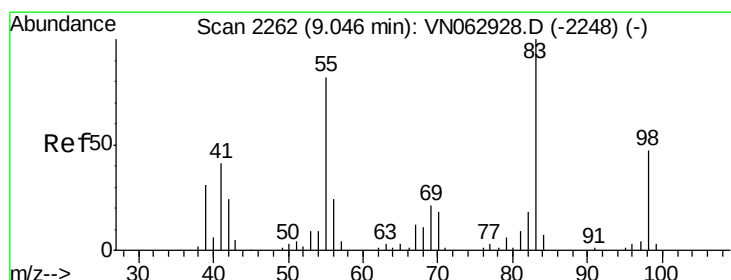
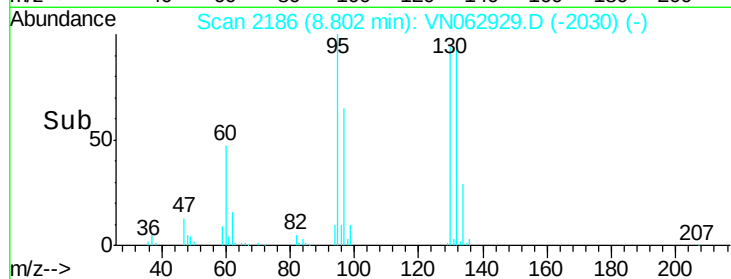
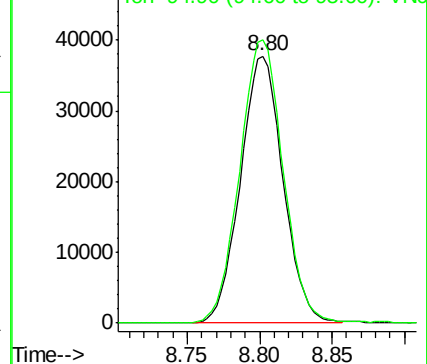
MMDadoda

8/17/2020 9:20:05 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN0



#38

Methylcyclohexane

Concen: 48.258 ug/l

RT: 9.05 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

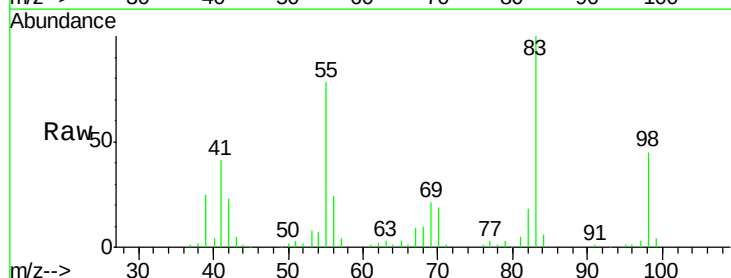
Tgt Ion: 83 Resp: 130332

Ion Ratio Lower Upper

83 100

55 78.7 40.8 122.5

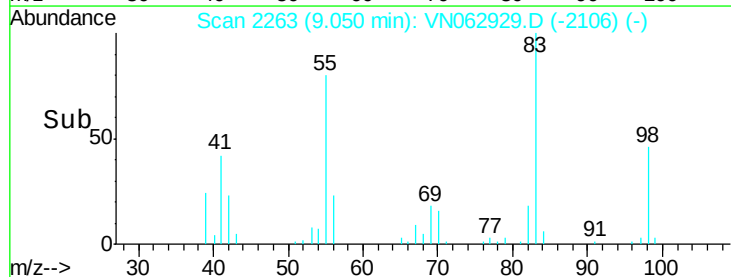
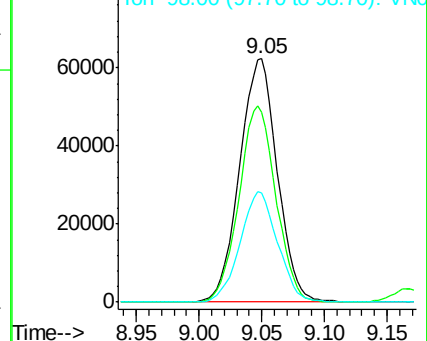
98 44.9 22.3 66.8

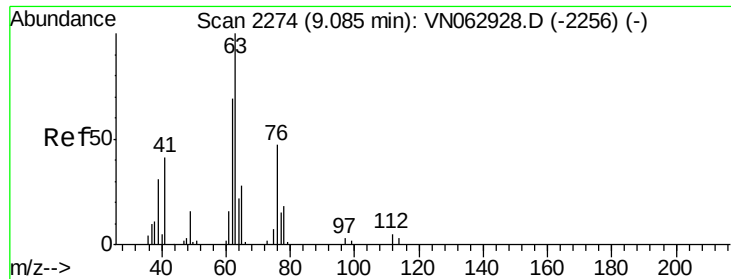


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





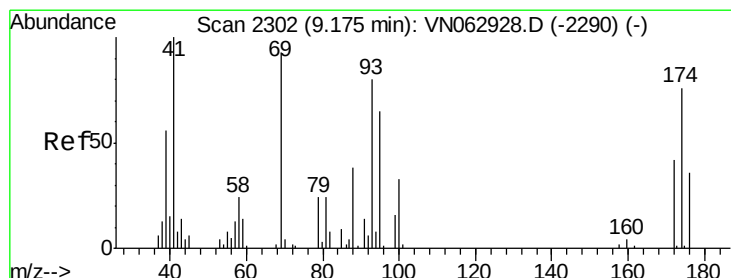
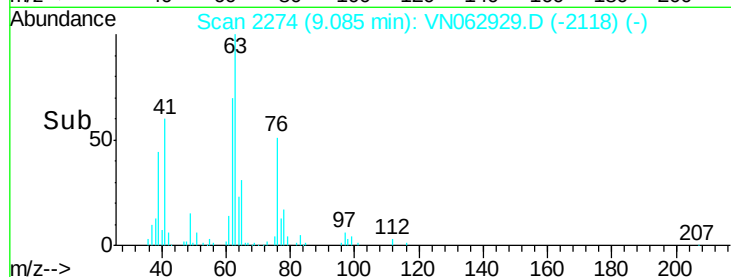
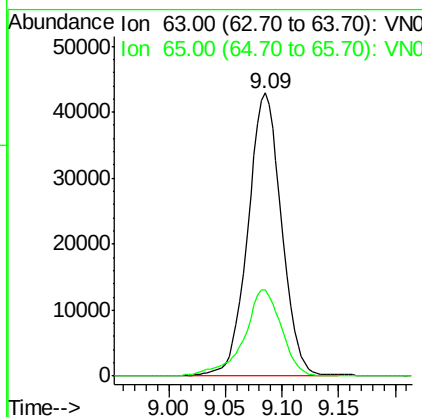
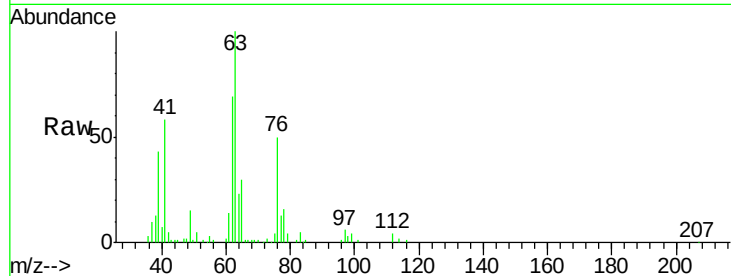
#39
 1,2-Dichloropropane
 Concen: 44.390 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	23.8	35.6

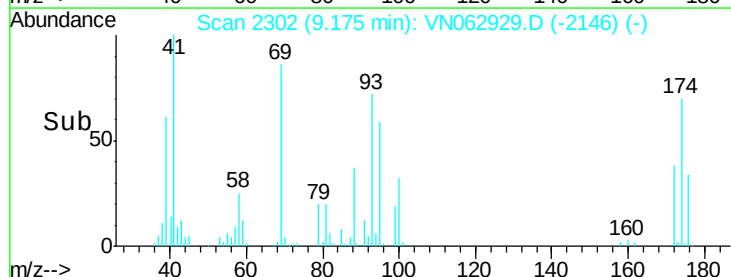
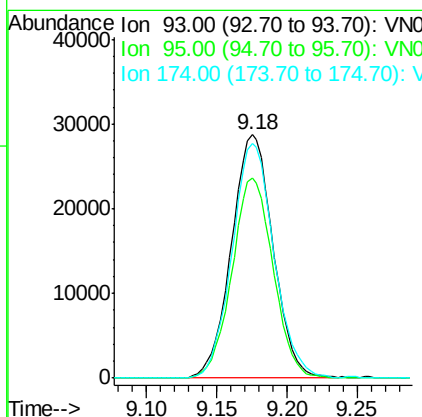
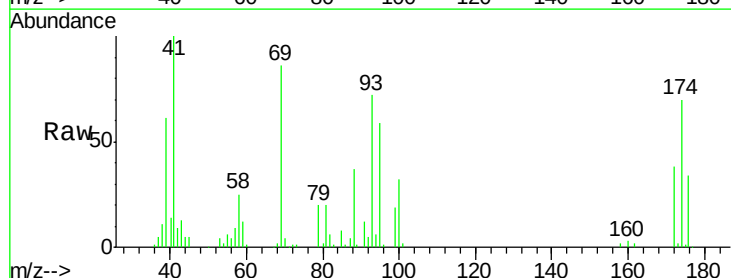
Manual Integrations
 APPROVED

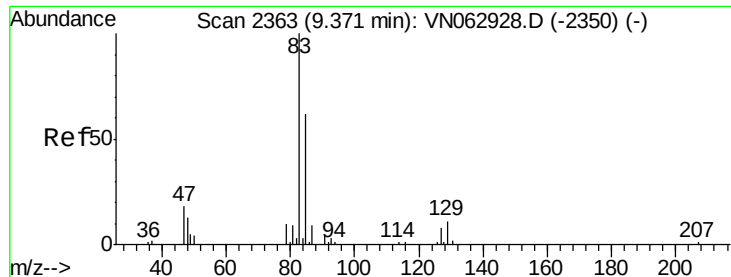
MMDadoda
 8/17/2020 9:20:05 AM



#40
 Dibromomethane
 Concen: 49.834 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.1	0.0	161.8
174	96.8	0.0	190.0





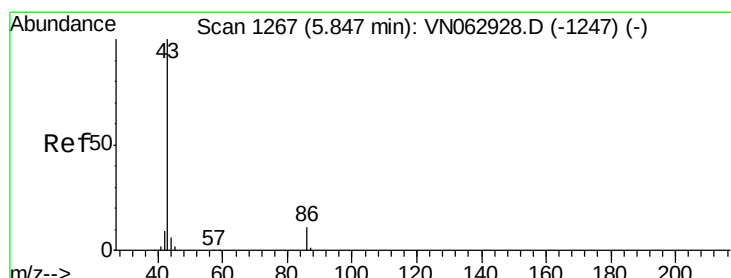
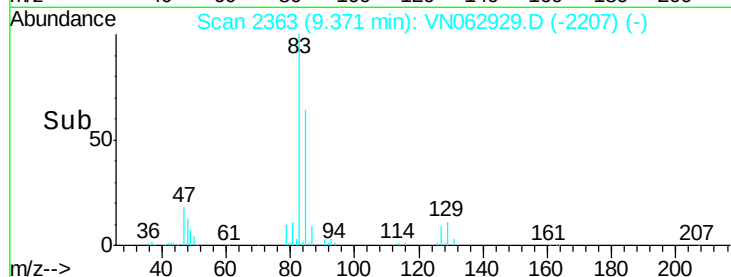
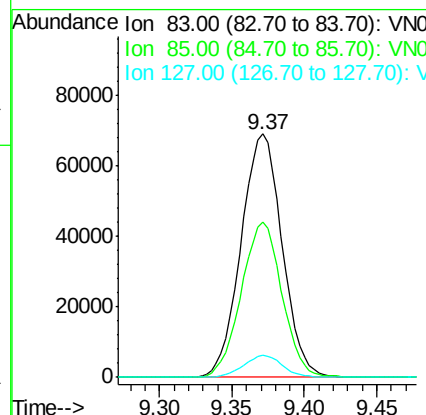
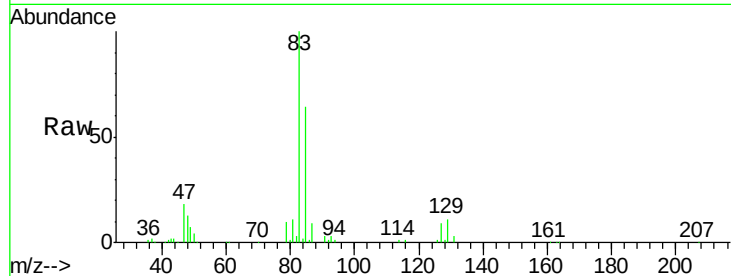
#41
Bromodichloromethane
Concen: 53.311 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	136370
Ion Ratio	Lower	Upper	
83	100		
85	63.7	49.9	74.9
127	9.1	7.1	10.7

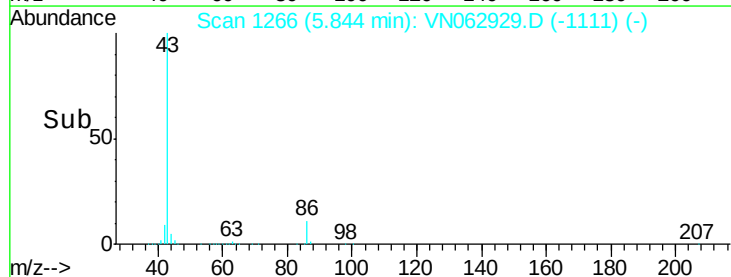
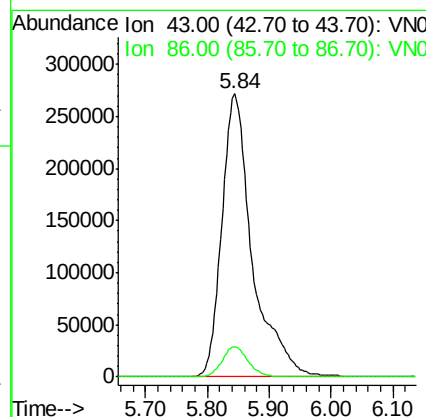
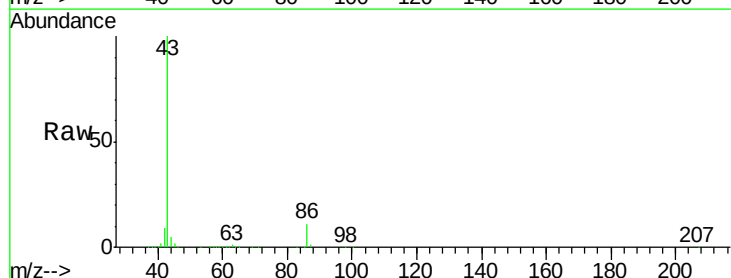
Manual Integrations
APPROVED

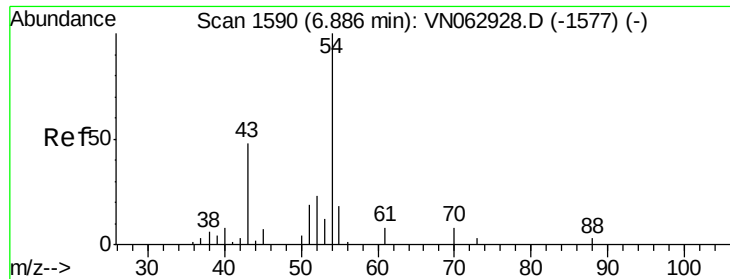
MMDadoda
8/17/2020 9:20:05 AM



#42
Vinyl Acetate
Concen: 186.545 ug/l
RT: 5.84 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Tgt Ion	43	Resp	931133
Ion Ratio	Lower	Upper	
43	100		
86	9.1	7.1	10.7





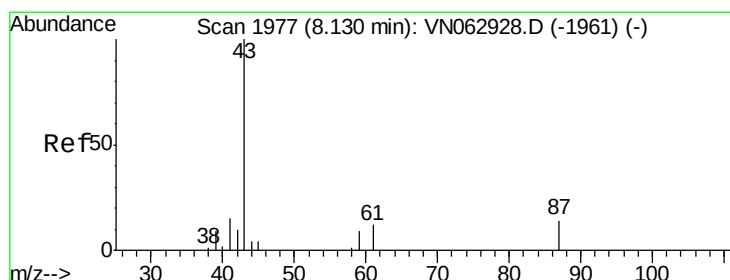
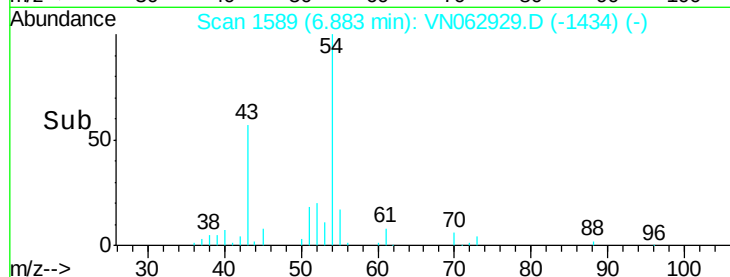
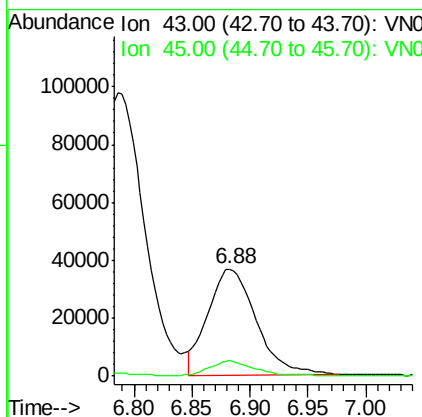
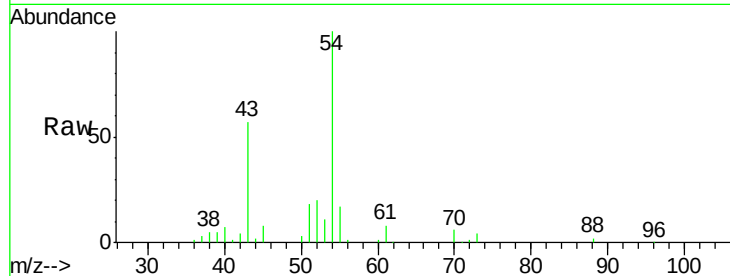
#43
Ethyl Acetate
Concen: 42.414 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 105993
Ion Ratio Lower Upper
43 100
45 12.3 6.6 9.8#

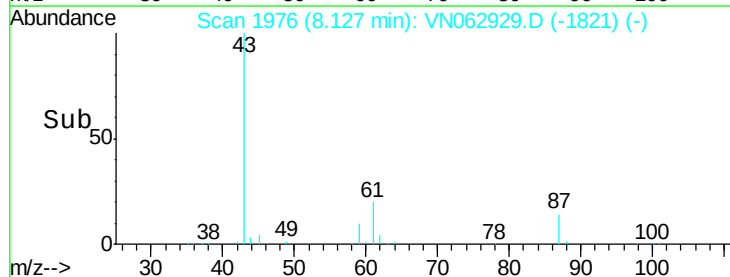
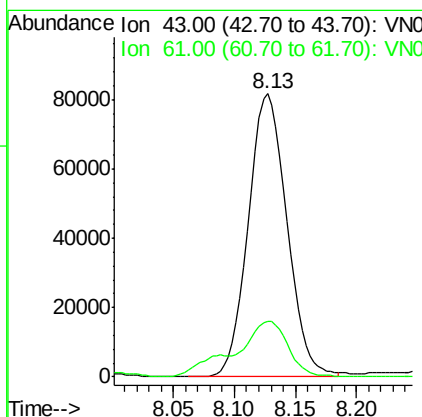
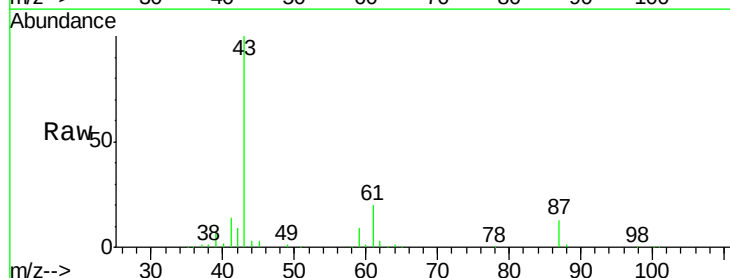
Manual Integrations
APPROVED

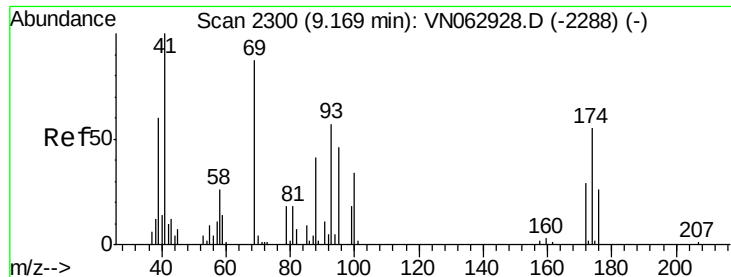
MMDadoda
8/17/2020 9:20:05 AM



#44
Isopropyl Acetate
Concen: 42.967 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Tgt Ion: 43 Resp: 179200
Ion Ratio Lower Upper
43 100
61 20.1 17.2 25.8





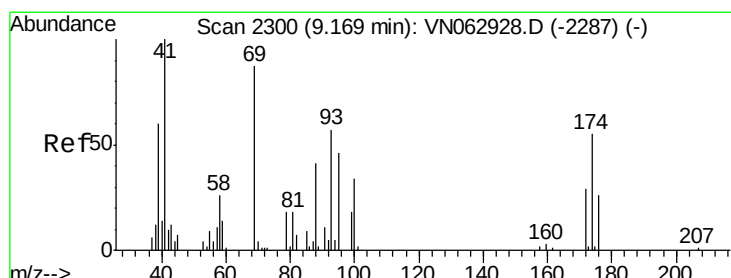
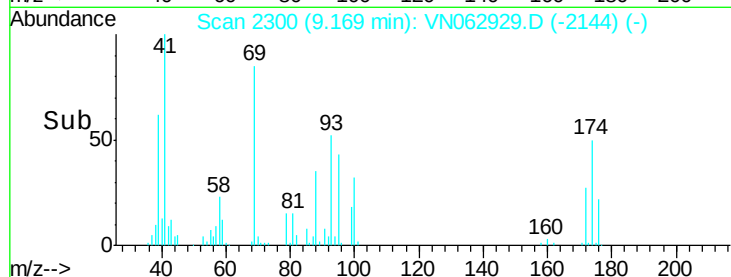
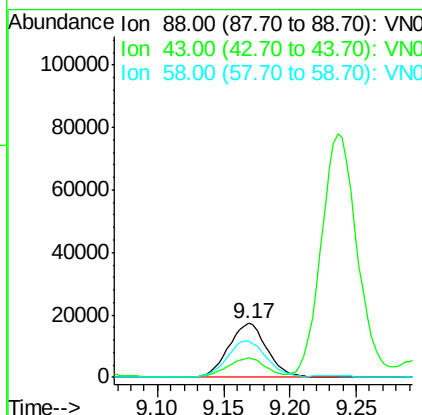
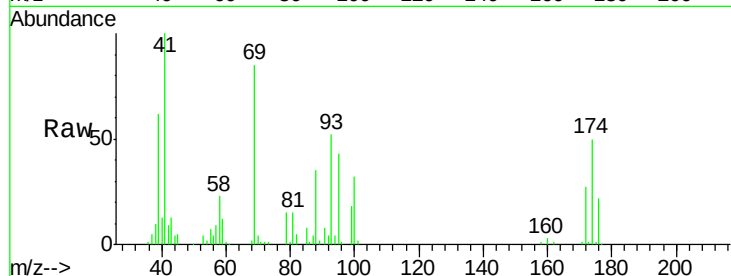
#45
 1,4-Dioxane
 Concen: 1140.831 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.8	26.0	39.0
58	69.9	54.2	81.2

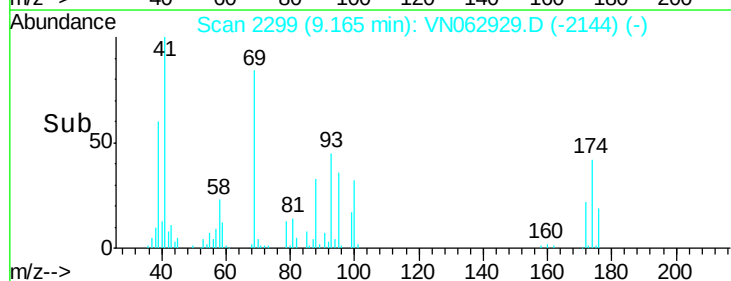
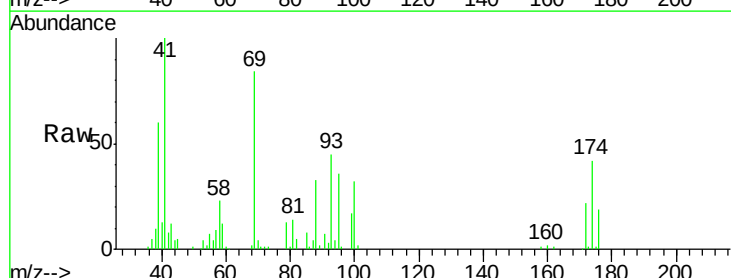
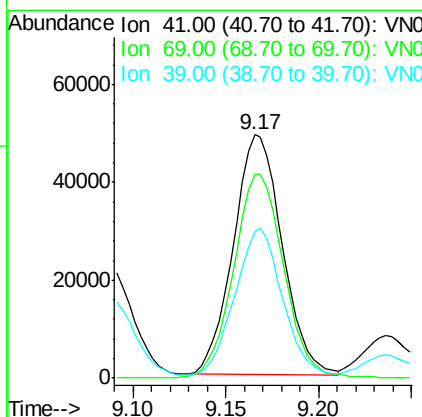
Manual Integrations
 APPROVED

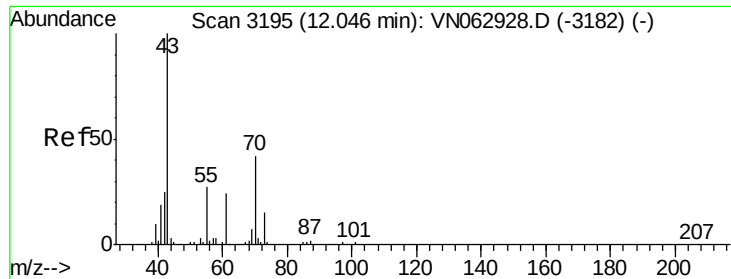
MMDadoda
 8/17/2020 9:20:05 AM



#46
 Methyl methacrylate
 Concen: 44.825 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.2	43.6	130.9
39	59.6	29.9	89.8





#47

n-amvl Acetate

Concen: 44.603 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 159016

Ion Ratio Lower Upper

43 100

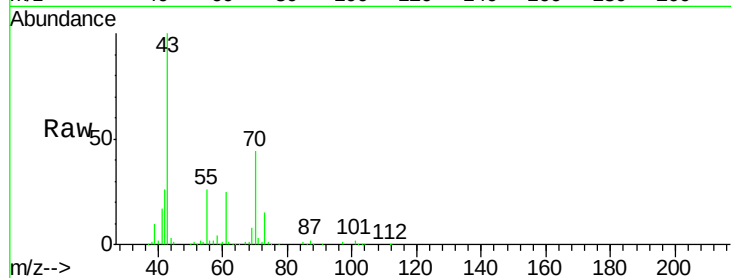
55 26.8 20.8 31.2

Manual Integrations

APPROVED

MMDadoda

8/17/2020 9:20:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

120000

100000

80000

60000

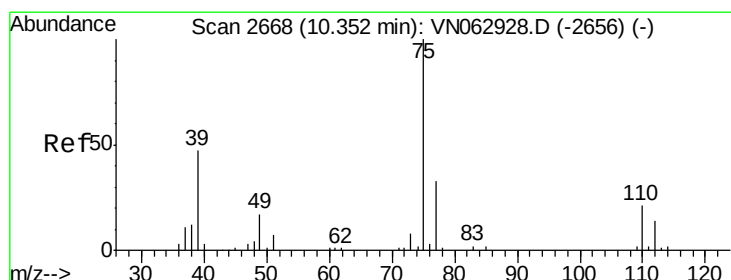
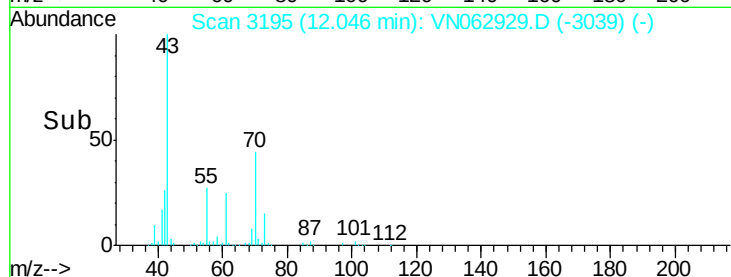
40000

20000

0

12.00 12.05 12.10

Time-->



#48

t-1,3-Dichloropropene

Concen: 48.817 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN062929.D

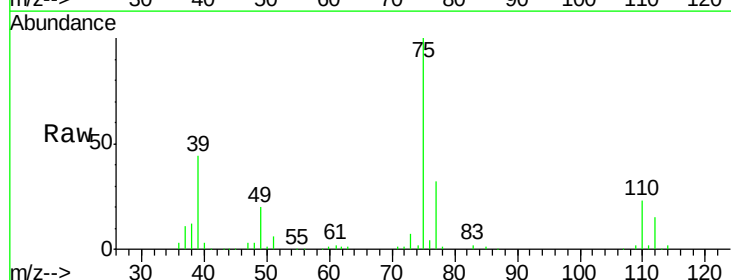
Acq: 13 Aug 2020 23:21

Tgt Ion: 75 Resp: 142410

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

80000

60000

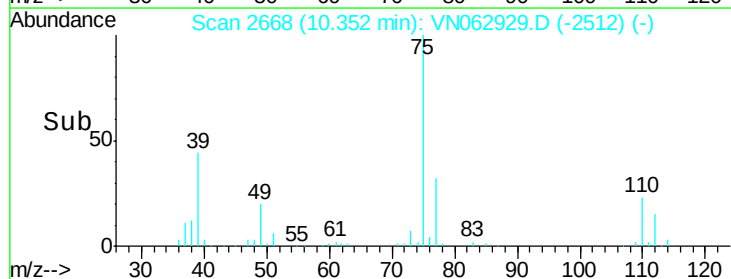
40000

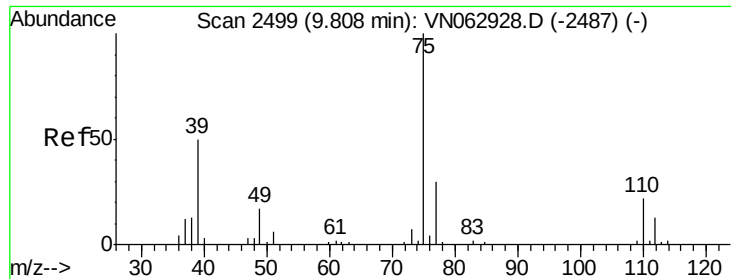
20000

0

10.30 10.35 10.40

Time-->





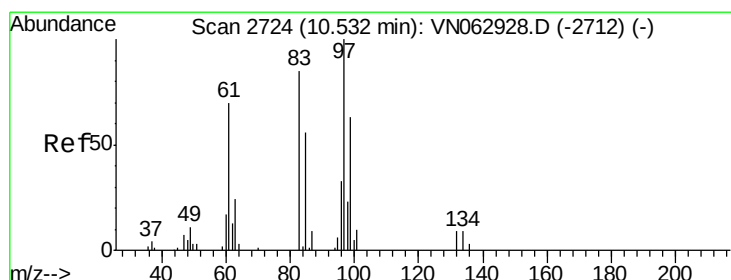
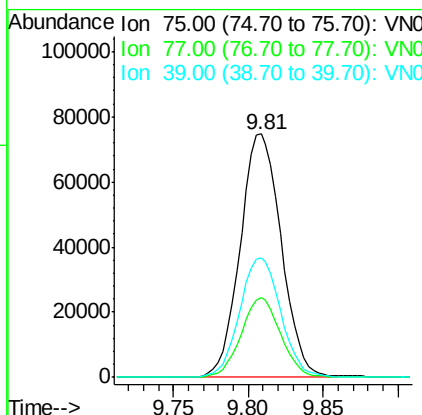
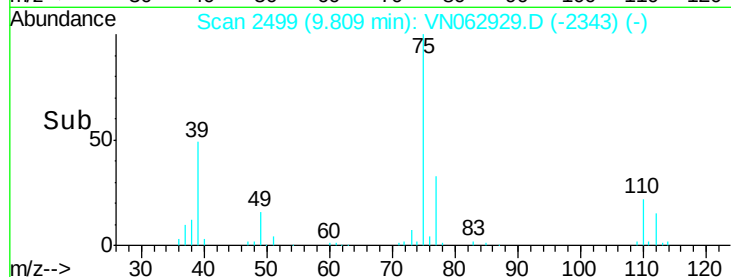
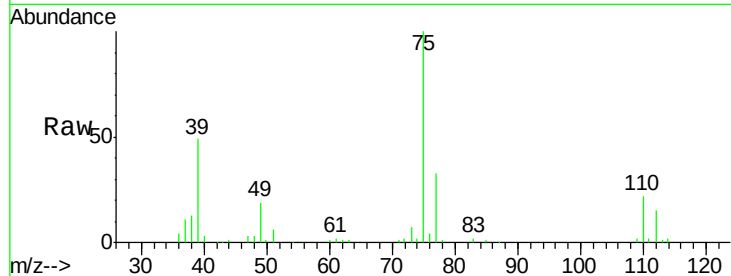
#49
 cis-1,3-Dichloropropene
 Concen: 46.049 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion:	75	Resp:	142568
Ion Ratio	Lower	Upper	
75	100		
77	32.8	24.4	36.6
39	49.2	40.2	60.4

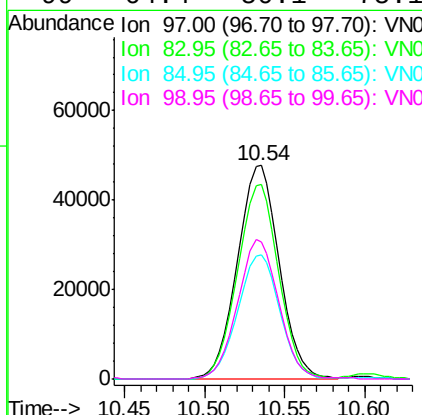
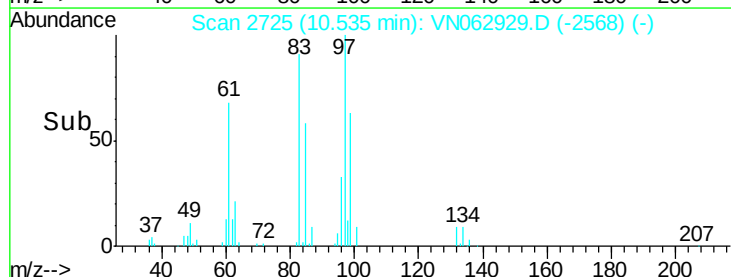
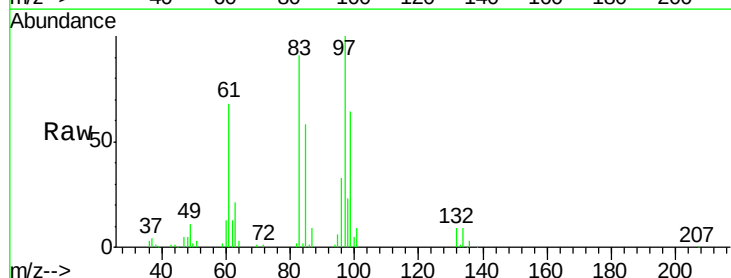
Manual Integrations
 APPROVED

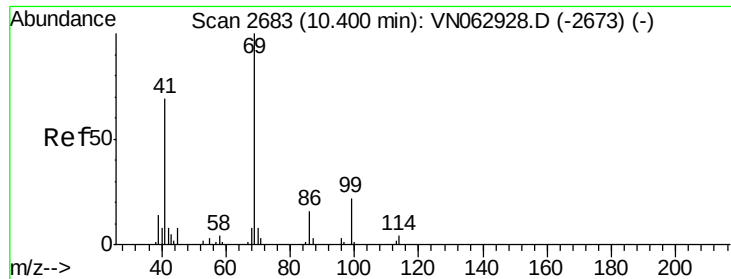
MMDadoda
 8/17/2020 9:20:05 AM



#50
 1,1,2-Trichloroethane
 Concen: 50.839 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Tgt Ion:	97	Resp:	85155
Ion Ratio	Lower	Upper	
97	100		
83	90.8	67.8	101.6
85	58.2	44.5	66.7
99	64.4	50.1	75.1





#51

Ethyl methacrylate

Concen: 49.734 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

Instrument :

MSVOA_N

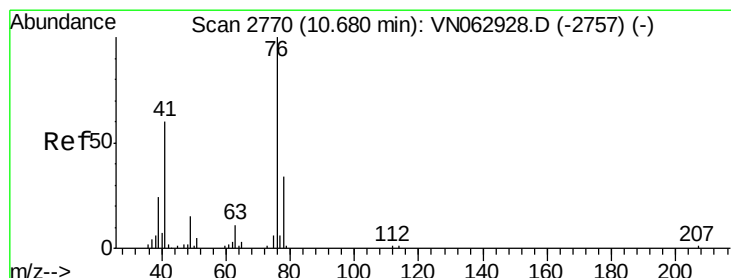
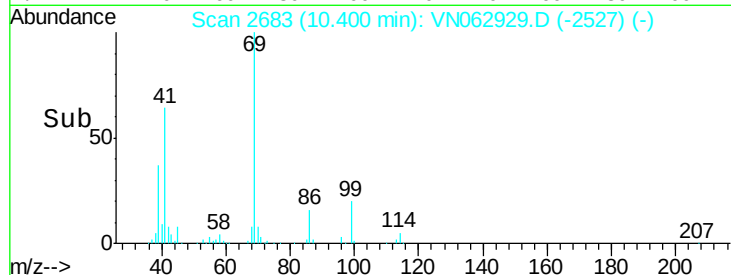
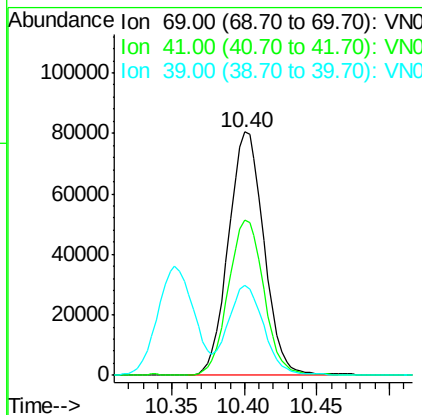
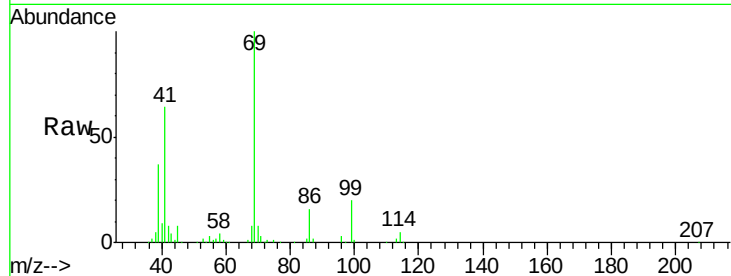
ClientSampled :

VSTDIC050

Tot Ion:	69	Resp:	136592
Ion	Ratio	Lower	Upper
69	100		
41	63.5	34.8	104.3
39	36.6	18.6	55.8

Manual Integrations
APPROVED

MMDadoda
8/17/2020 9:20:05 AM



#52

1,3-Dichloropropane

Concen: 48.566 ug/l

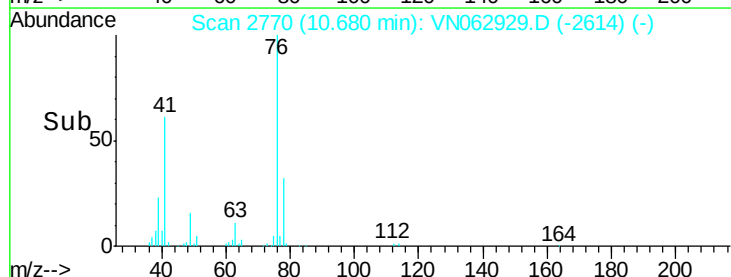
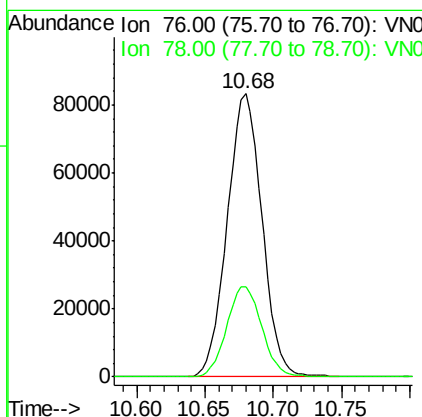
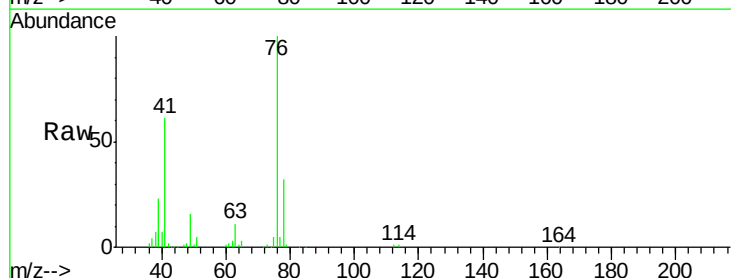
RT: 10.68 min Scan# 2770

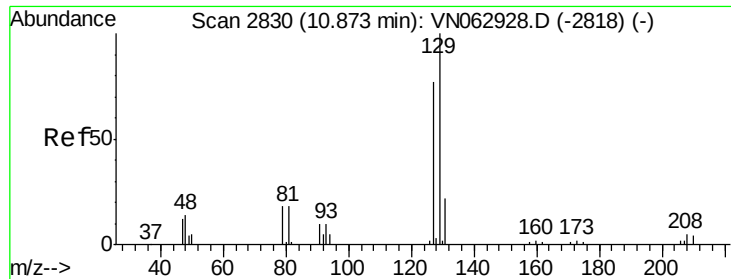
Delta R.T. 0.00 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

Tgt Ion:	76	Resp:	147576
Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	66.2





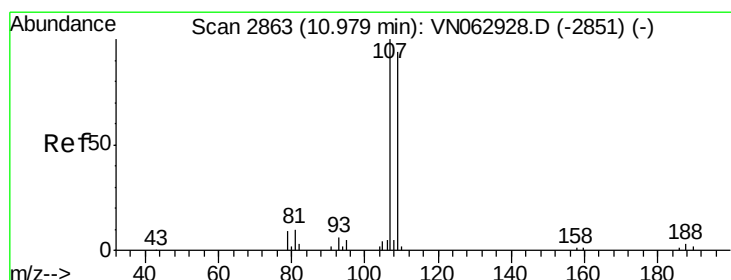
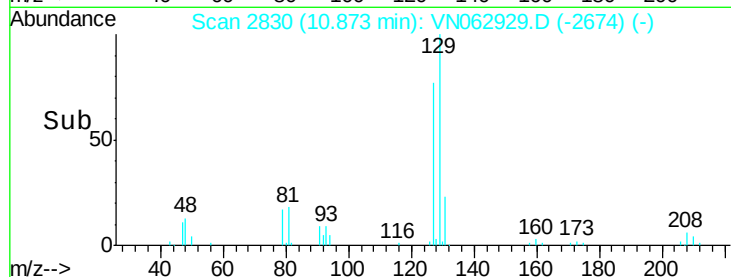
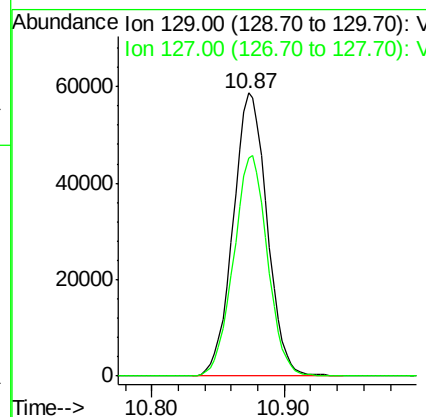
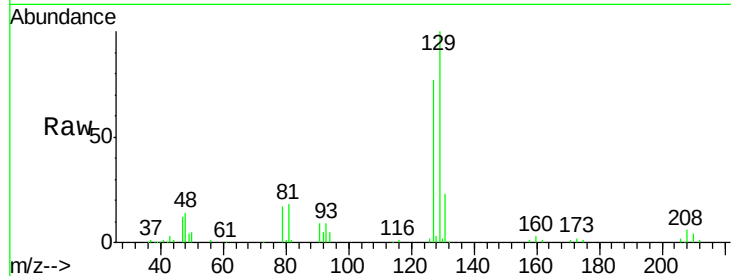
#53
 Dibromochloromethane
 Concen: 56.126 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. 0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.1	114.5

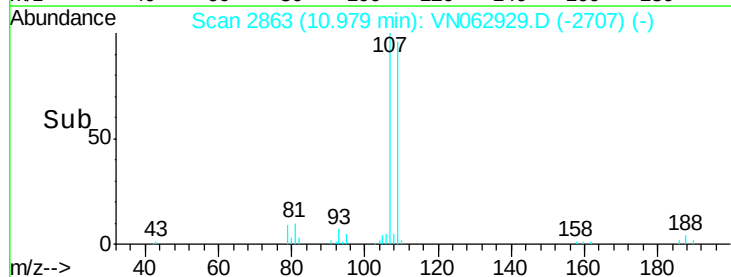
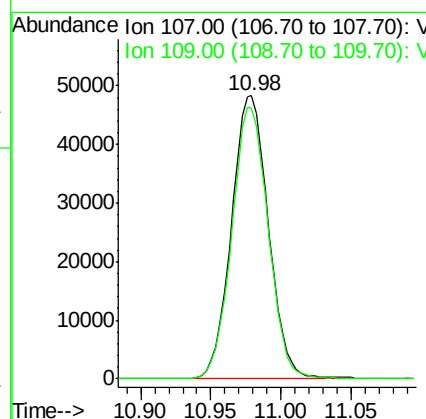
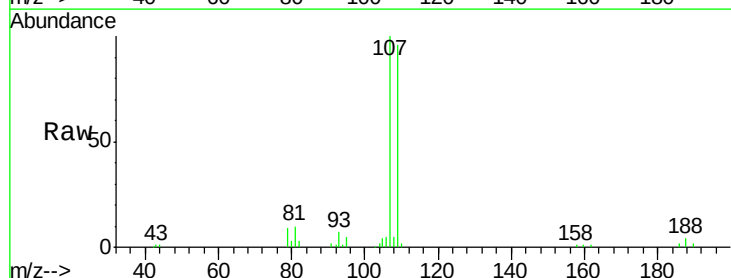
Manual Integrations
 APPROVED

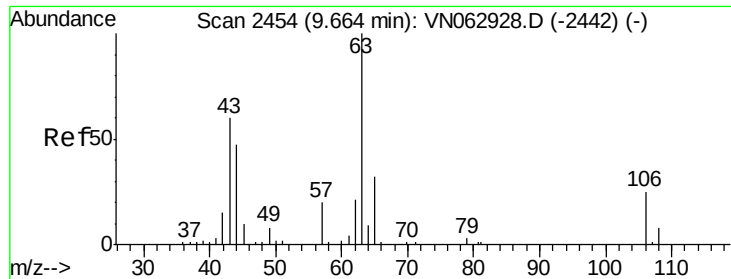
MMDadoda
 8/17/2020 9:20:05 AM



#54
 1,2-Dibromoethane
 Concen: 51.437 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.9	115.3





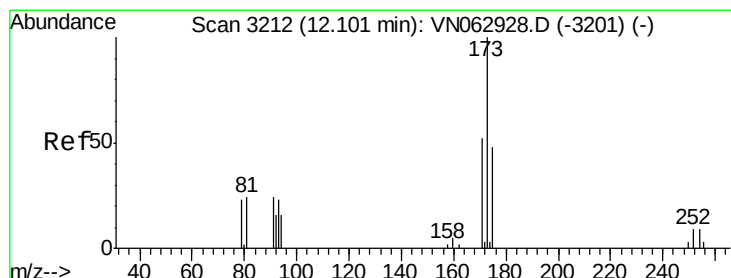
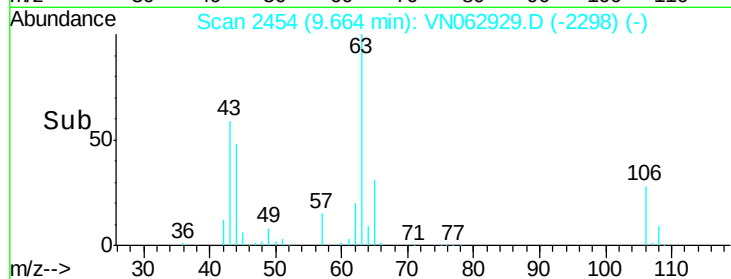
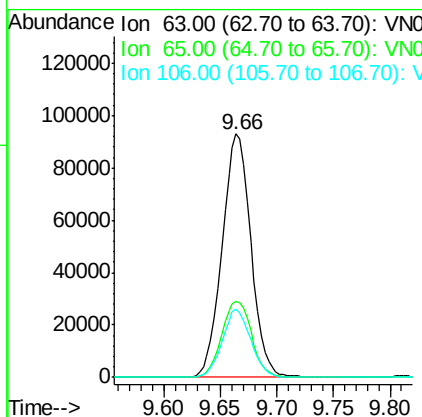
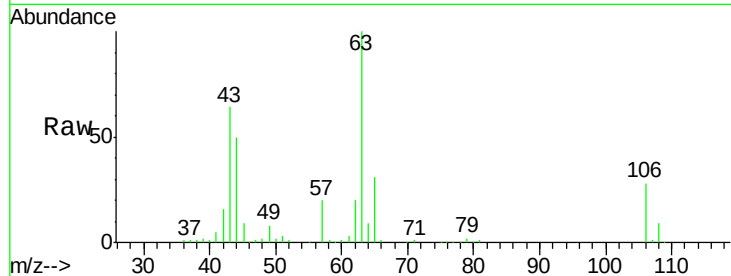
#55
2-Chloroethyl vinyl ether
Concen: 198.091 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.8	38.8
106	27.4	20.4	30.6

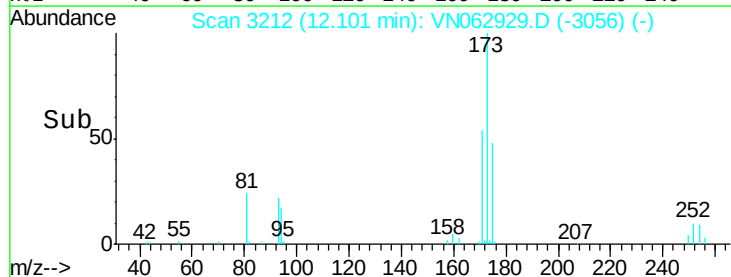
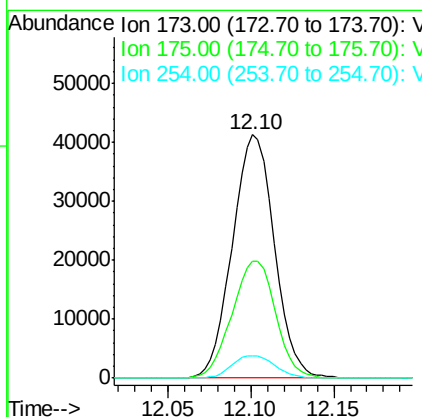
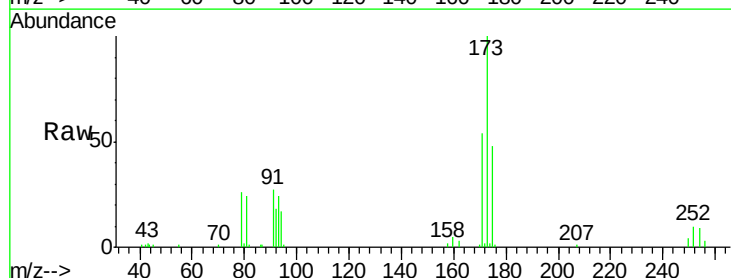
Manual Integrations
APPROVED

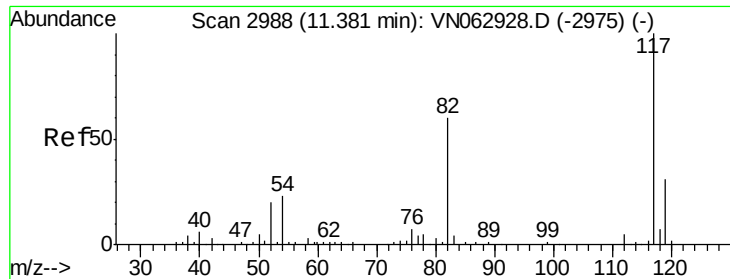
MMDadoda
8/17/2020 9:20:05 AM



#56
Bromoform
Concen: 56.909 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.7	37.8	56.6
254	9.4	6.9	10.3





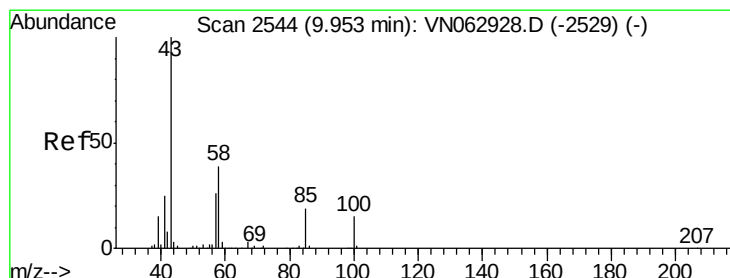
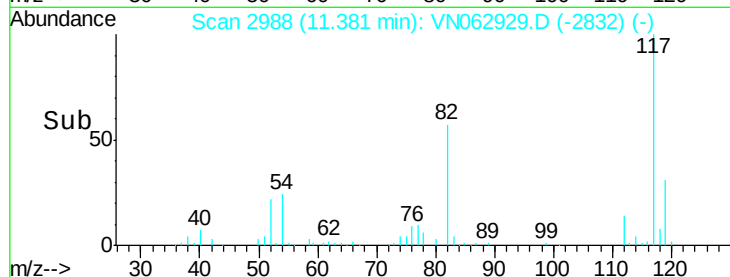
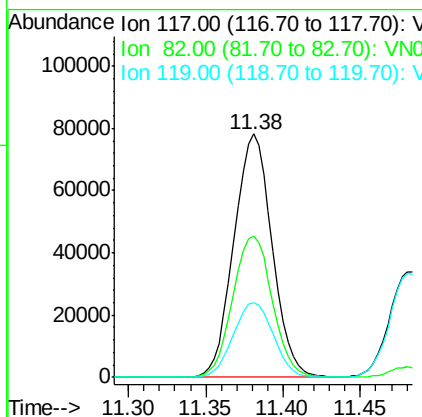
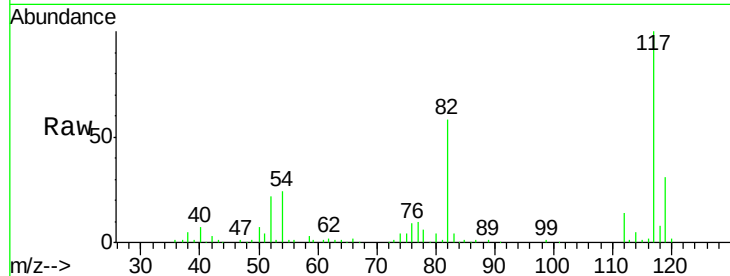
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	47.5	71.3
119	32.3	26.0	39.0

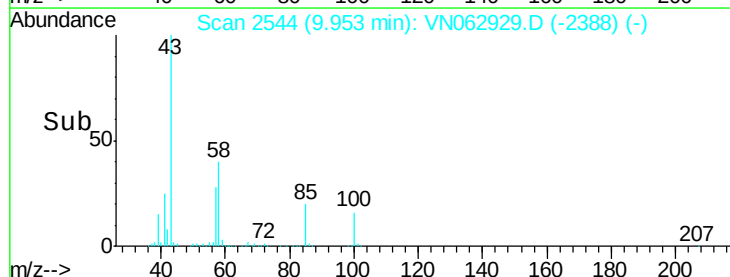
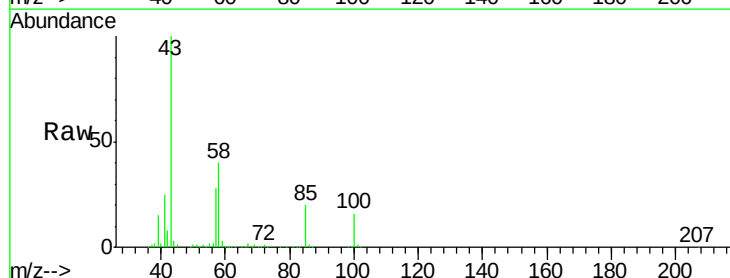
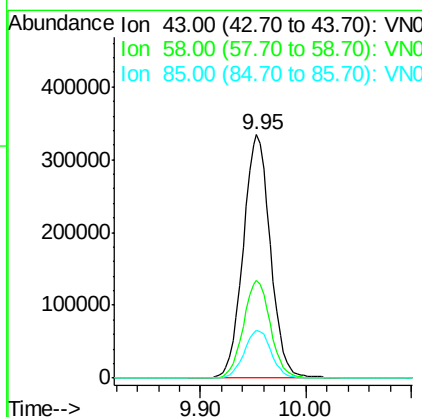
Manual Integrations
APPROVED

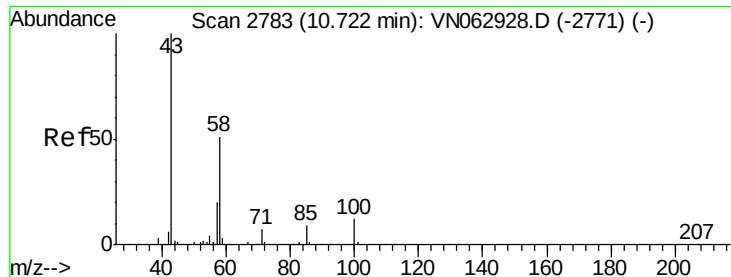
MMDadoda
8/17/2020 9:20:05 AM



#58
4-Methyl-2-Pentanone
Concen: 236.890 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.3	46.9
85	19.6	15.2	22.8





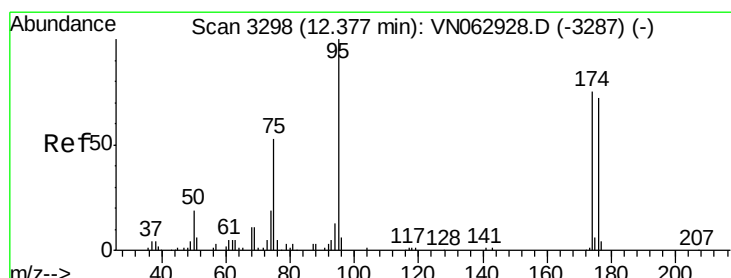
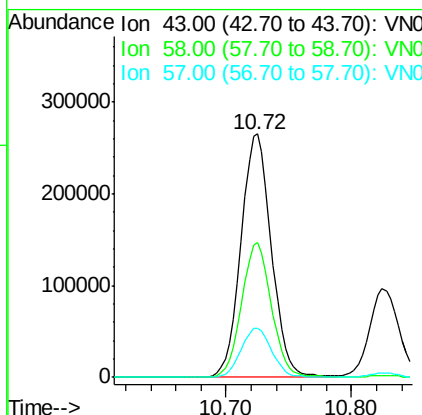
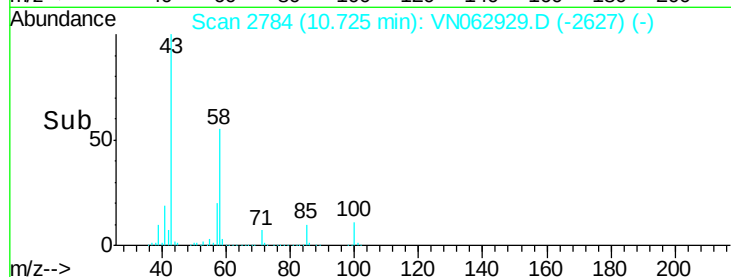
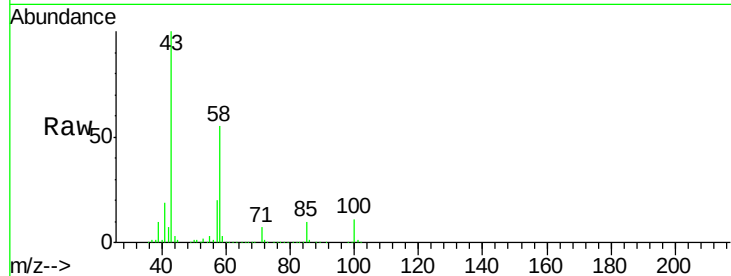
#59
2-Hexanone
Concen: 241.904 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.6	41.8	62.6
57	20.6	16.2	24.2

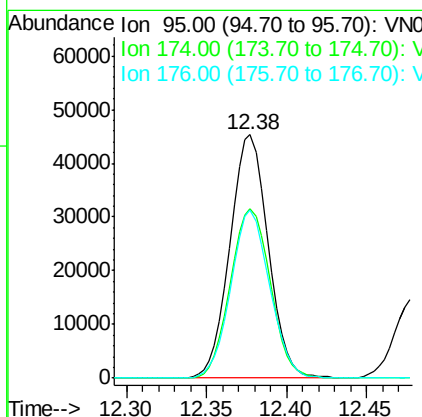
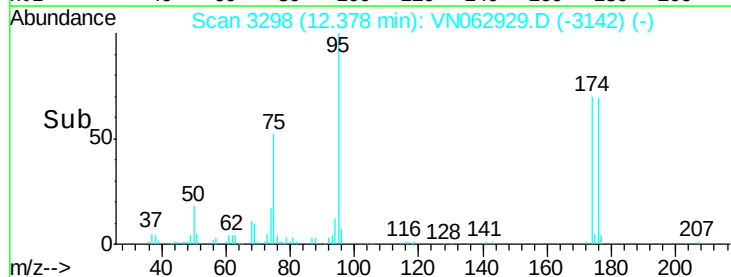
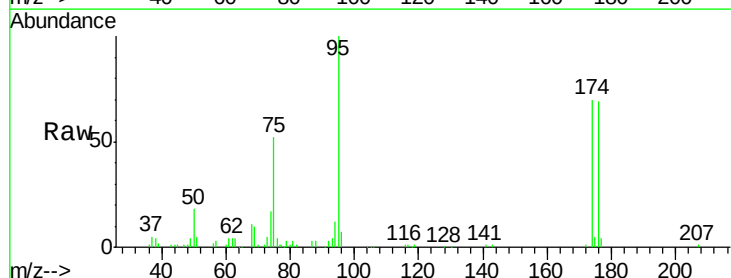
Manual Integrations
APPROVED

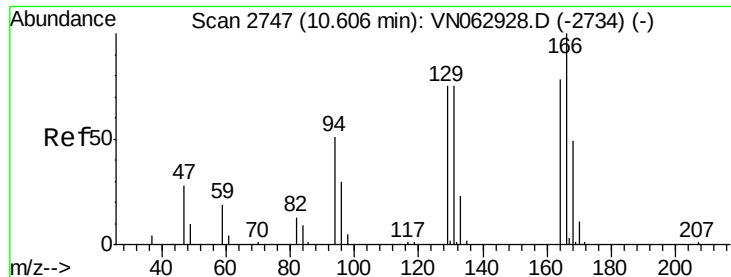
MMDadoda
8/17/2020 9:20:05 AM



#60
4-Bromofluorobenzene
Concen: 32.384 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.8	60.9	91.3
176	70.1	57.8	86.8





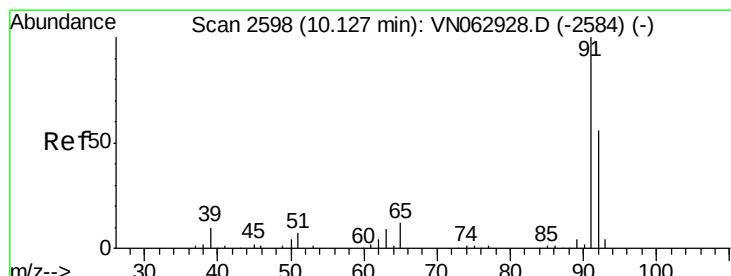
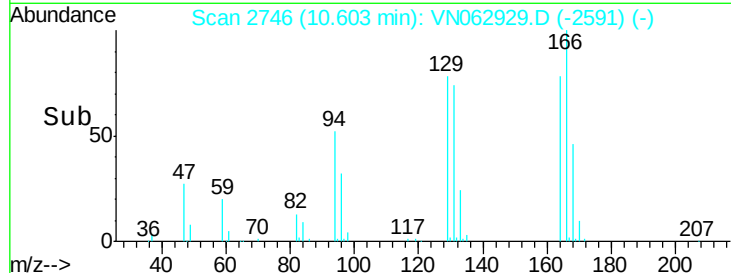
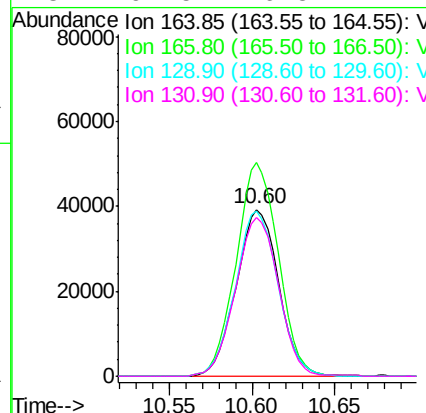
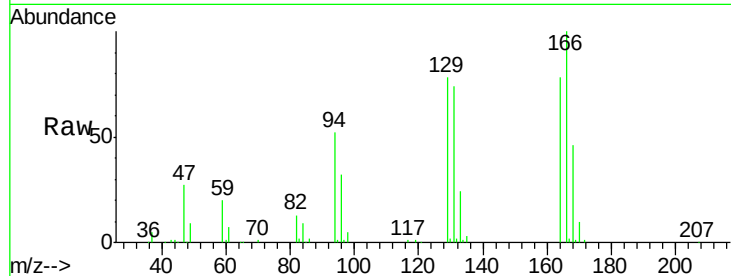
#61
Tetrachloroethene
Concen: 51.469 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.5	101.9	152.9
129	99.2	76.4	114.6
131	94.5	76.5	114.7

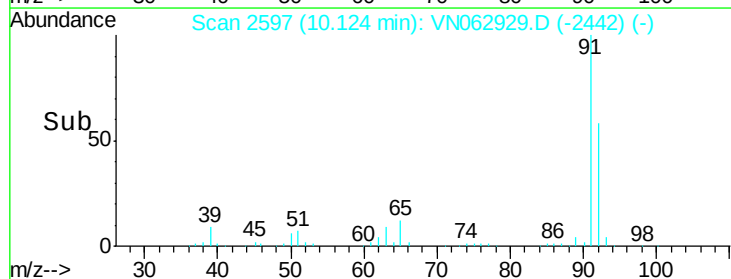
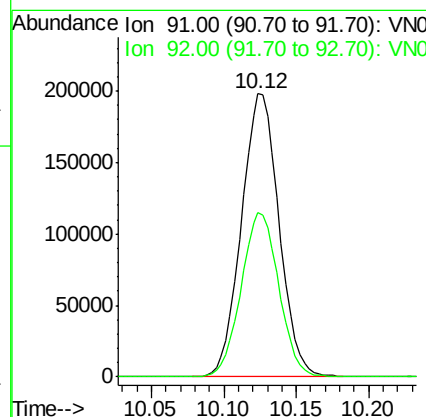
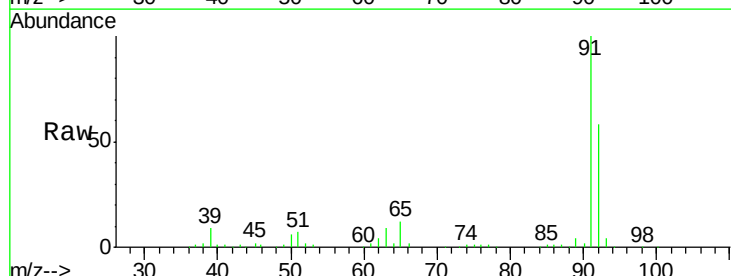
Manual Integrations
APPROVED

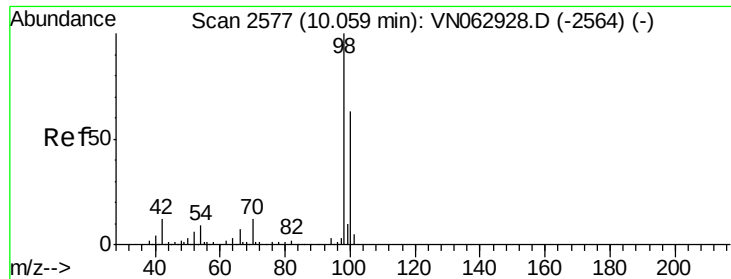
MMDadoda
8/17/2020 9:20:05 AM



#62
Toluene
Concen: 48.134 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.1	45.2	67.8





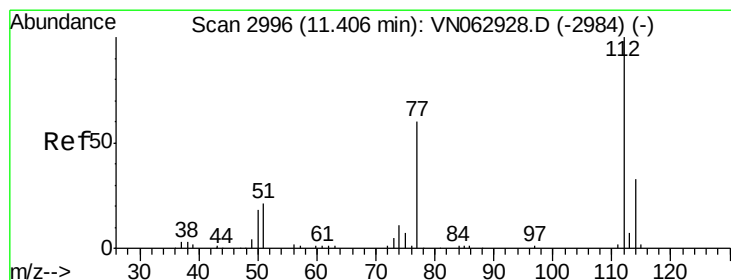
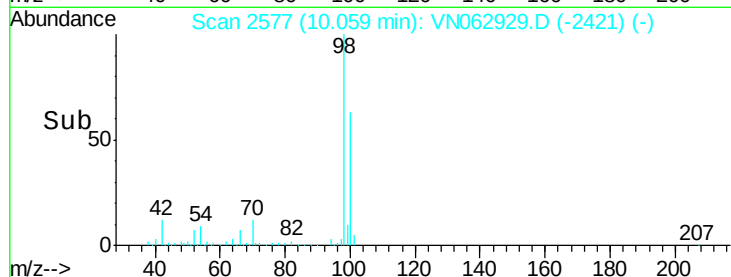
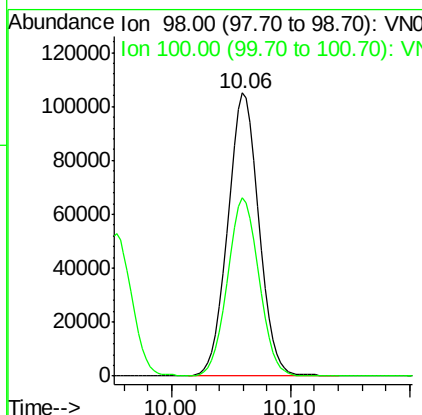
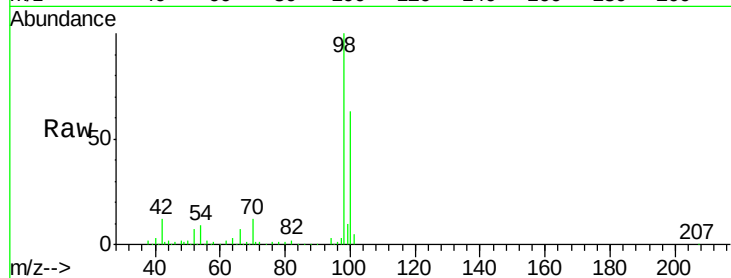
#63
Toluene-d8
Concen: 30.191 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
98	100		190344		
100	63.1		51.0	76.6	

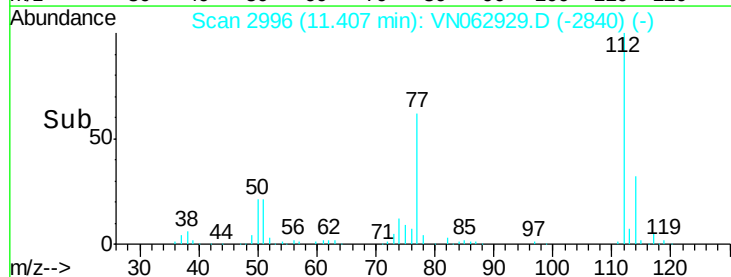
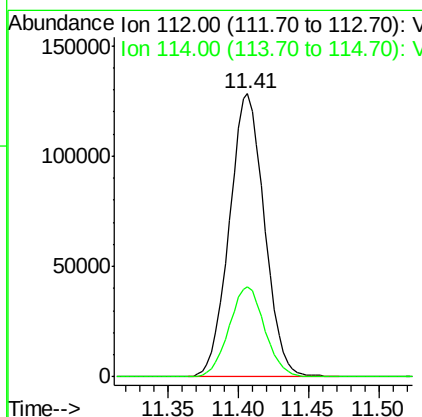
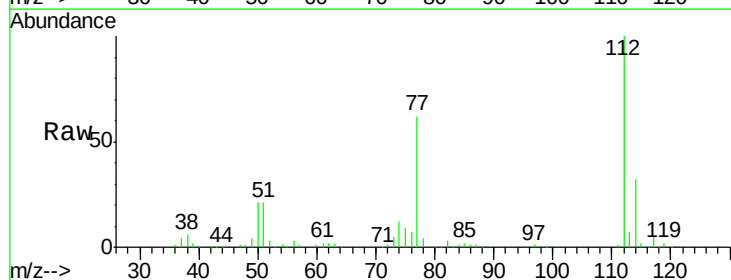
Manual Integrations
APPROVED

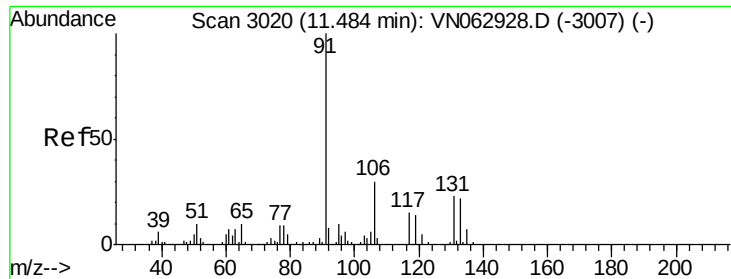
MMDadoda
8/17/2020 9:20:05 AM



#64
Chlorobenzene
Concen: 50.257 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
112	100		223226		
114	31.9		26.2	39.2	





#65

1,1,1,2-Tetrachloroethane

Concen: 55.294 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

Instrument :

MSVOA_N

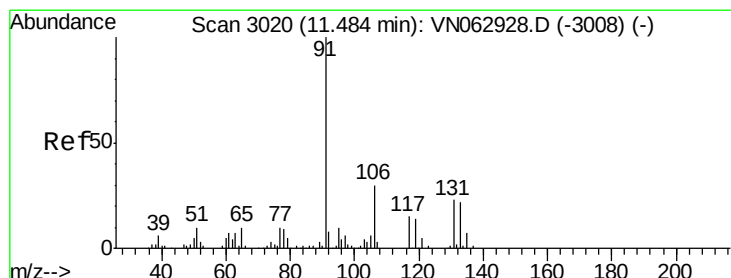
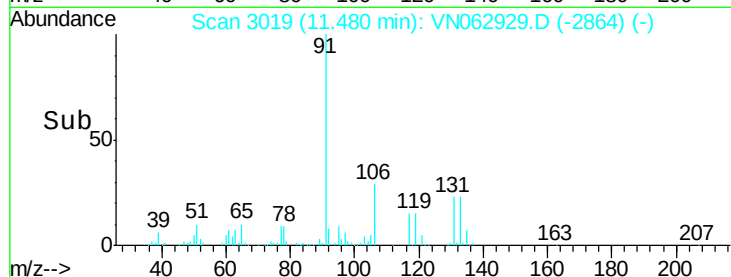
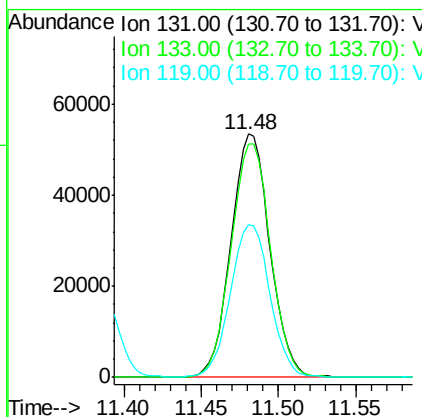
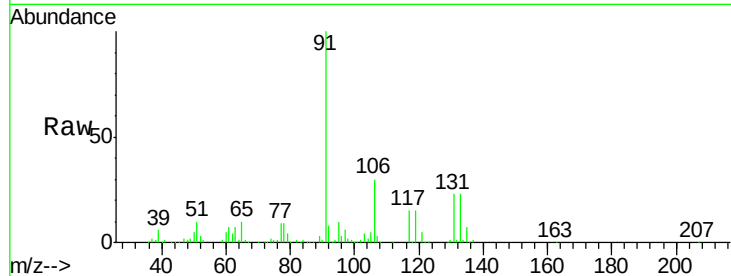
ClientSampleId :

VSTDIC050

Tot Ion:	131	Resp:	93181
Ion Ratio	Lower	Upper	
131	100		
133	97.7	0.0	192.6
119	63.8	0.0	125.4

Manual Integrations
APPROVED

MMDadoda
8/17/2020 9:20:05 AM



#66

Ethyl Benzene

Concen: 50.009 ug/l

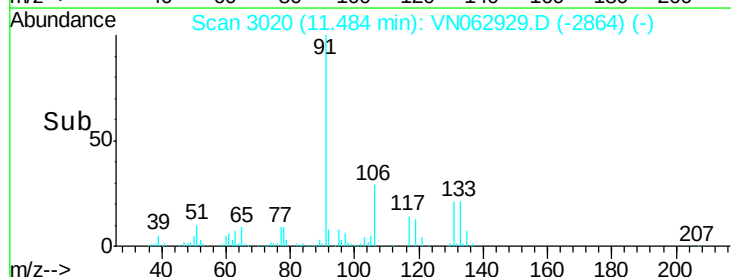
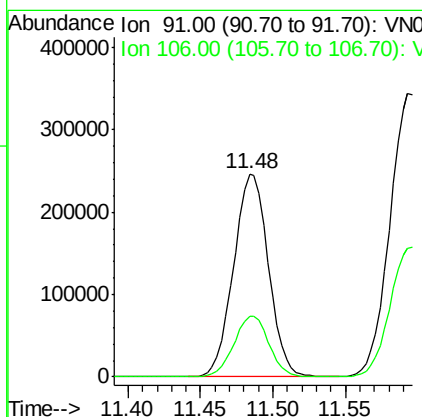
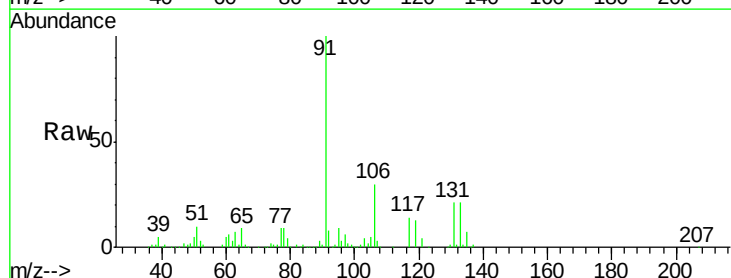
RT: 11.48 min Scan# 3020

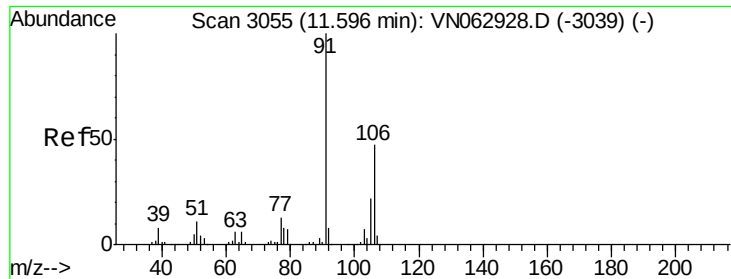
Delta R.T. 0.00 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

Tgt Ion:	91	Resp:	411286
Ion Ratio	Lower	Upper	
91	100		
106	29.8	24.0	36.0





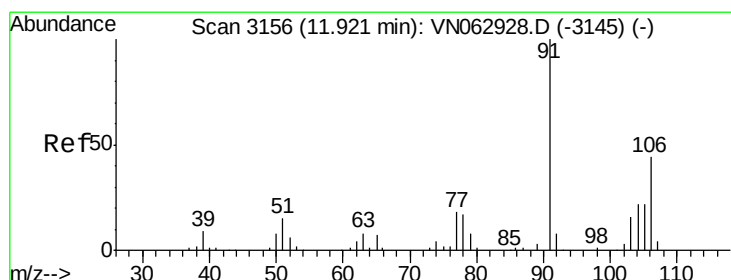
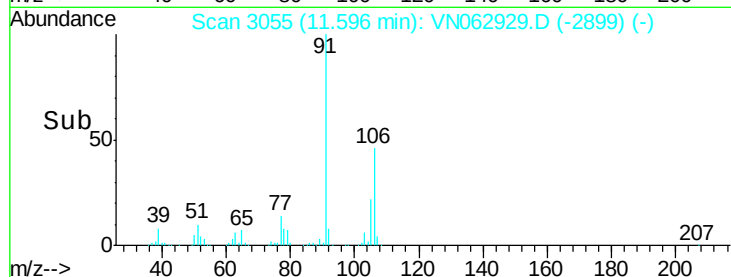
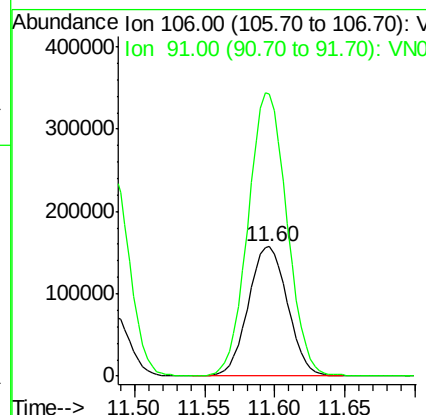
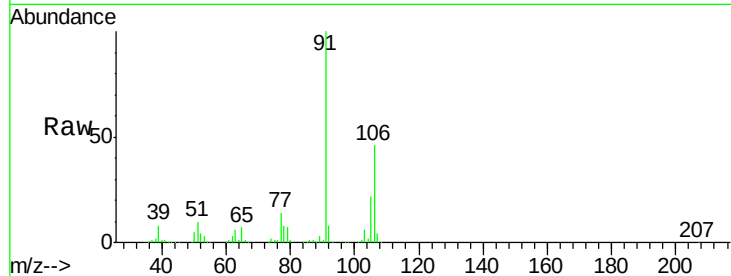
#67
m/p-Xylenes
Concen: 101.329 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	215.9		171.0	256.6	

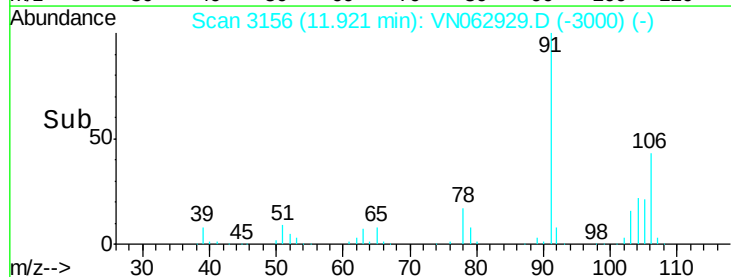
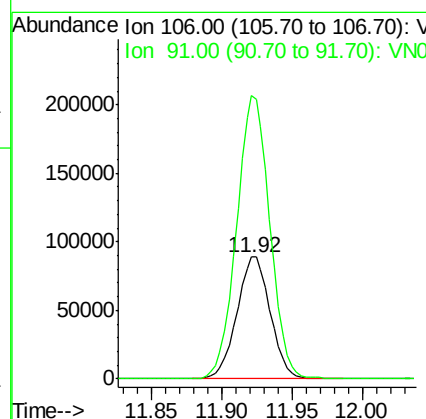
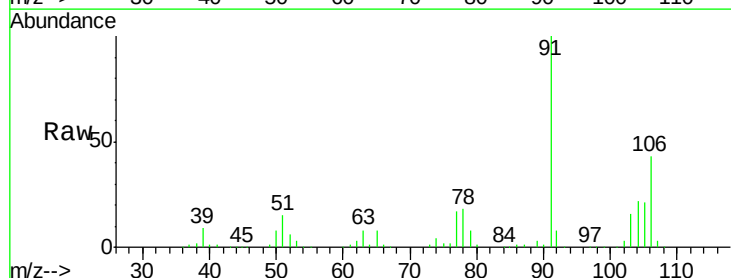
Manual Integrations
APPROVED

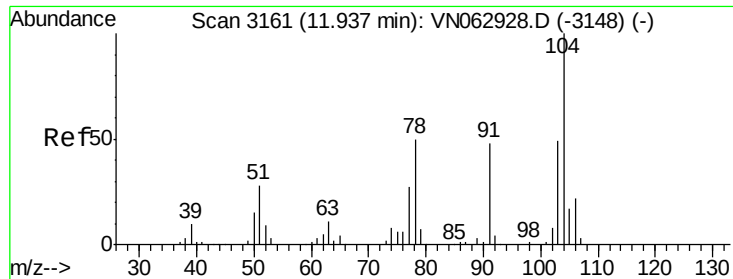
MMDadoda
8/17/2020 9:20:05 AM



#68
o-Xylene
Concen: 51.105 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	231.3		115.4	346.2	





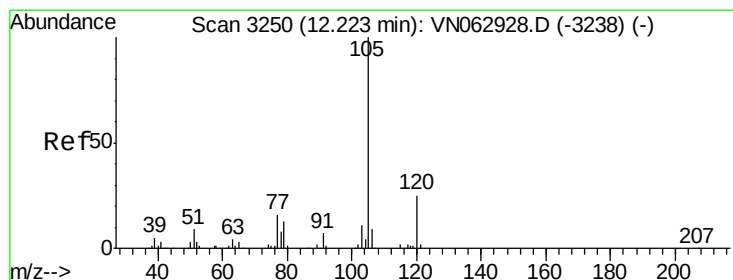
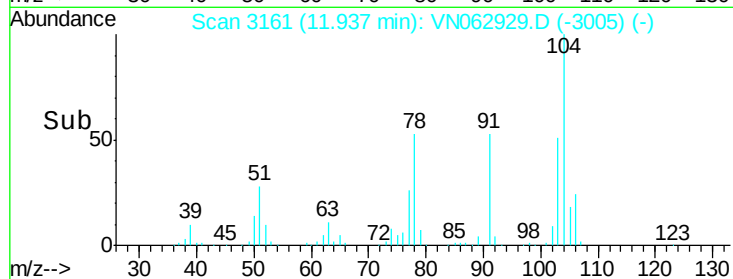
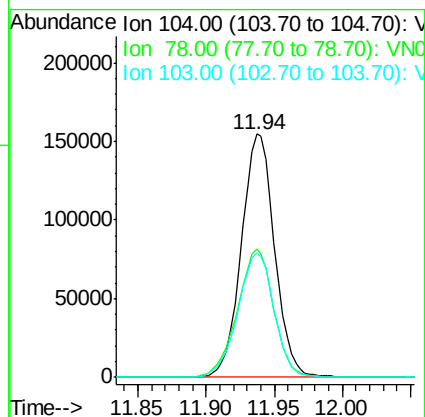
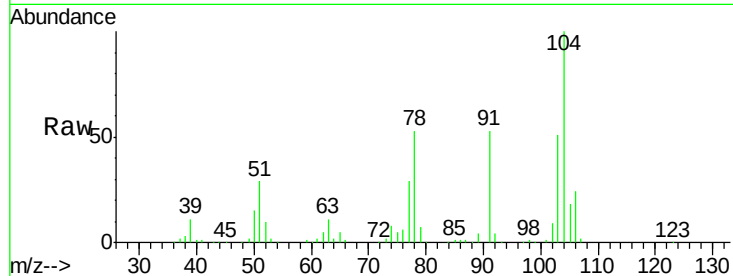
#69
Stvrene
Concen: 52.673 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.6	44.4	66.6
103	55.8	44.0	66.0

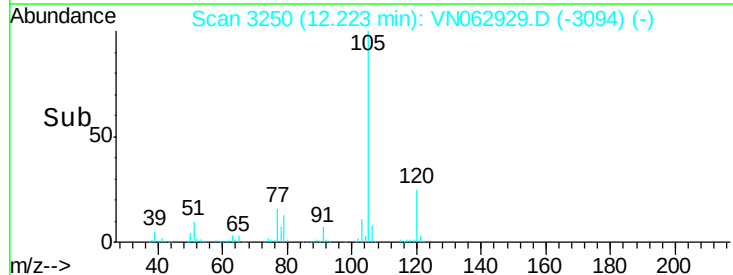
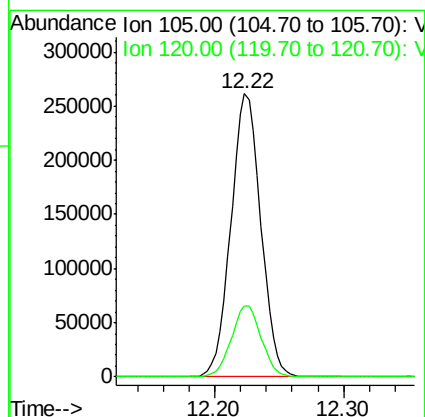
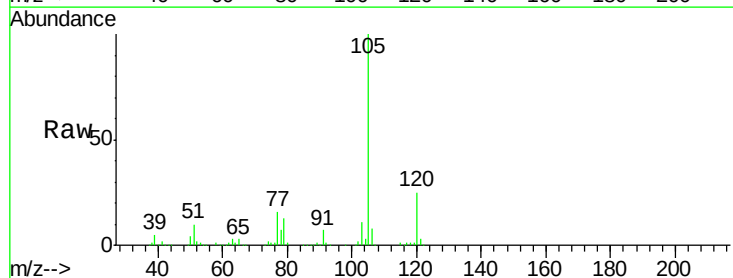
Manual Integrations
APPROVED

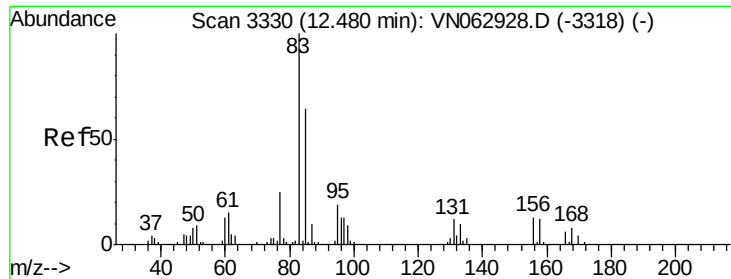
MMDadoda
8/17/2020 9:20:05 AM



#70
Isopropylbenzene
Concen: 53.650 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	18.0	33.4





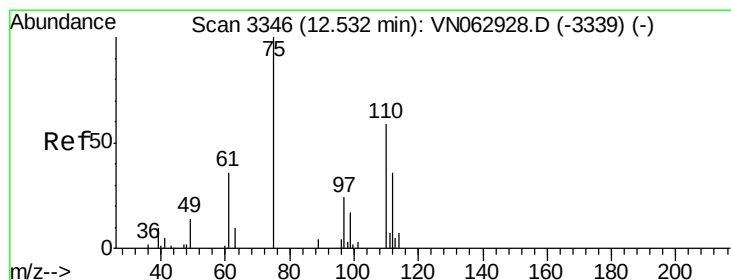
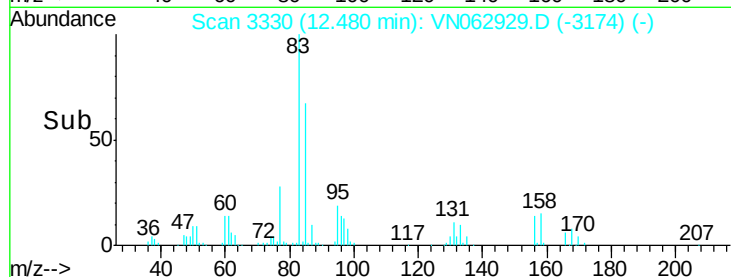
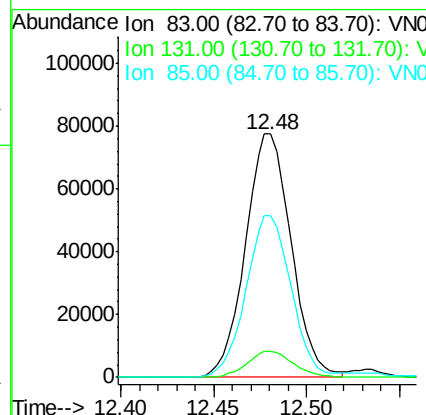
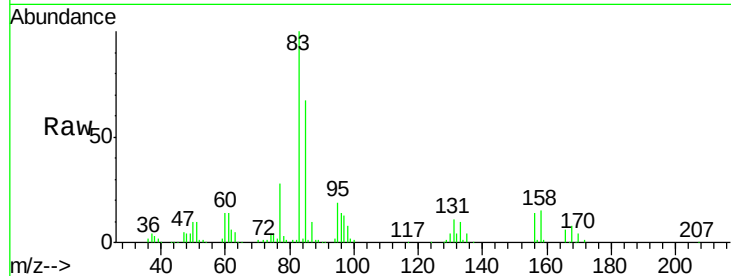
#71
 1,1,2,2-Tetrachloroethane
 Concen: 52.078 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	83	Resp	132359
Ion Ratio	100	Lower	Upper
83	100		
131	10.8	5.5	16.4
85	65.5	31.7	95.1

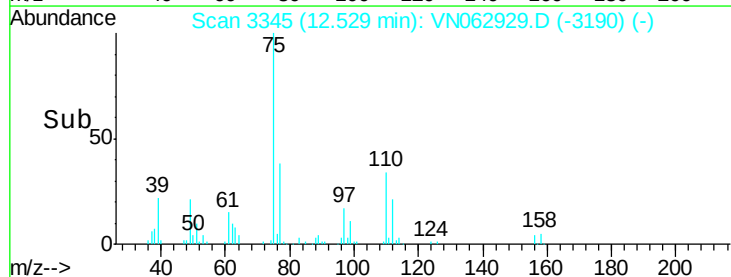
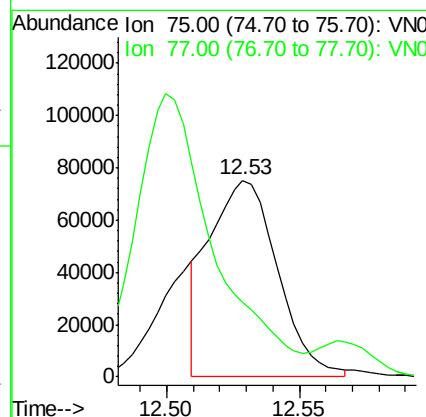
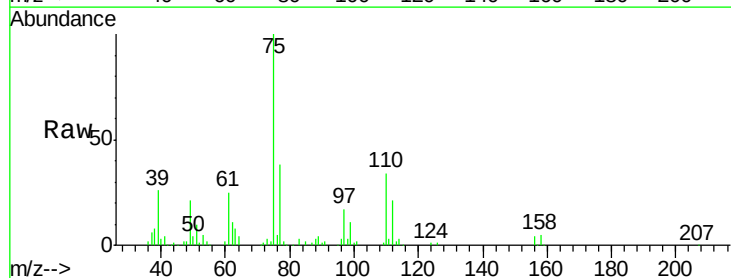
Manual Integrations
 APPROVED

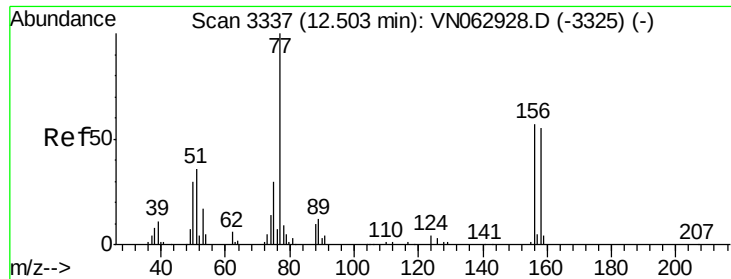
MMDadoda
 8/17/2020 9:20:05 AM



#72
 1,2,3-Trichloropropane
 Concen: 53.468 ug/l m
 RT: 12.53 min Scan# 3346
 Delta R.T. -0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Tgt Ion	75	Resp	134258
Ion Ratio	100	Lower	Upper
75	100		
77	166.6	0.0	313.0





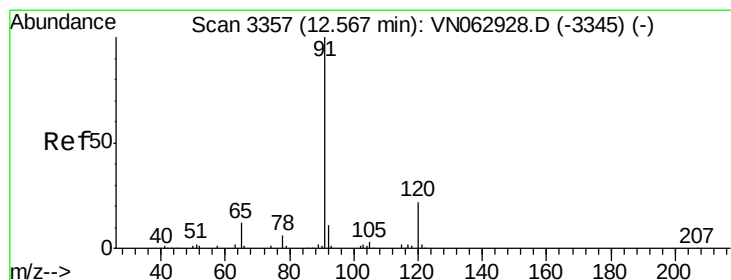
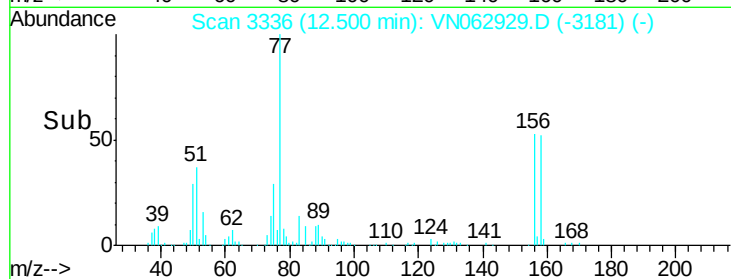
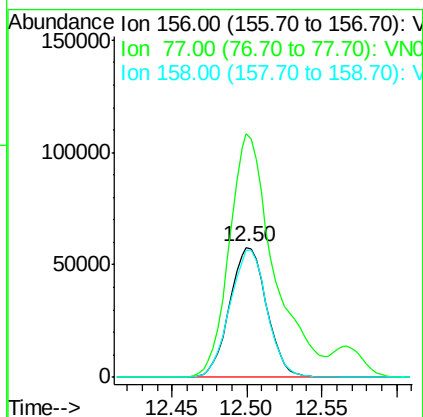
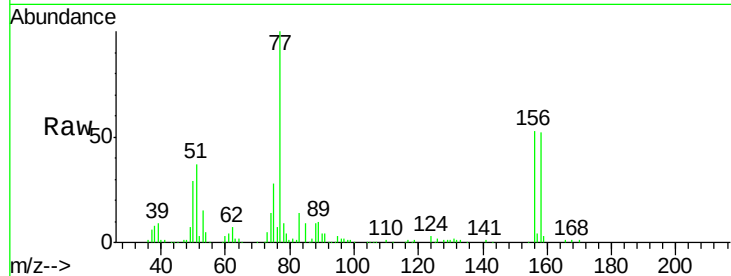
#73
Bromobenzene
Concen: 54.279 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	224.4	0.0	448.4
158	98.1	0.0	195.0

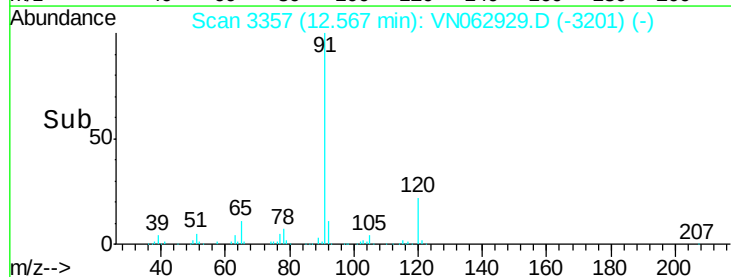
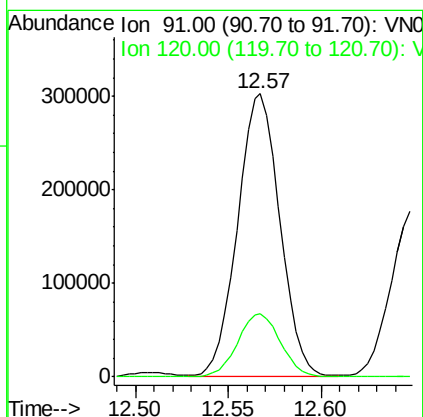
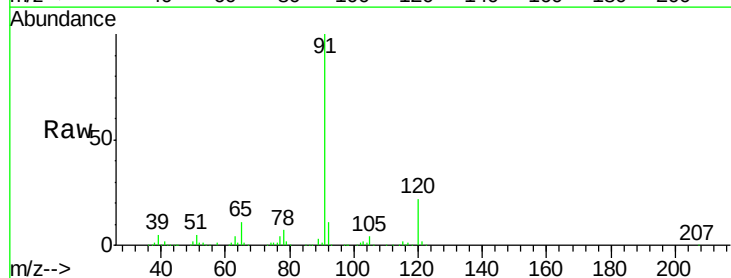
Manual Integrations
APPROVED

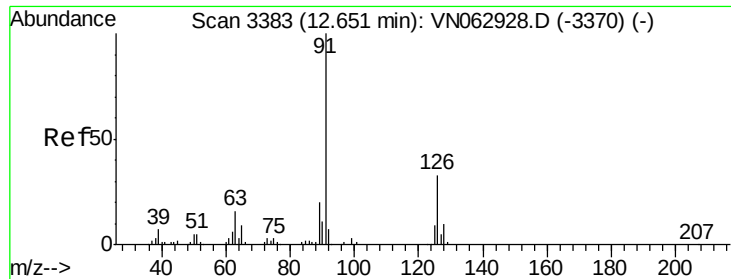
MMDadoda
8/17/2020 9:20:05 AM



#74
n-propylbenzene
Concen: 51.814 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	0.0	43.4





#75

2-Chlorotoluene

Concen: 52.247 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 91 Resp: 294288

Ion Ratio Lower Upper

91 100

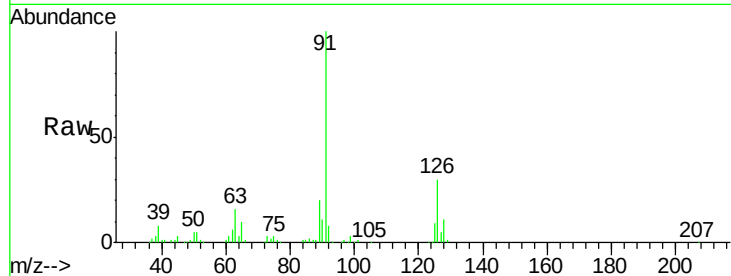
126 31.5 0.0 63.0

Manual Integrations

APPROVED

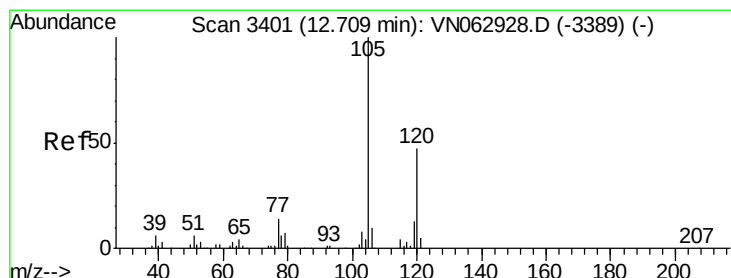
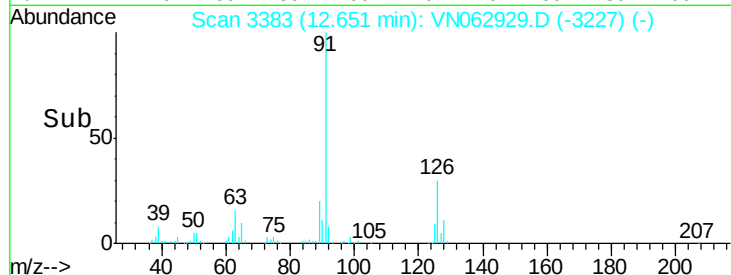
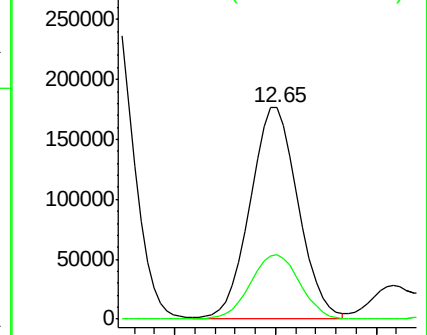
MMDadoda

8/17/2020 9:20:05 AM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 55.758 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062929.D

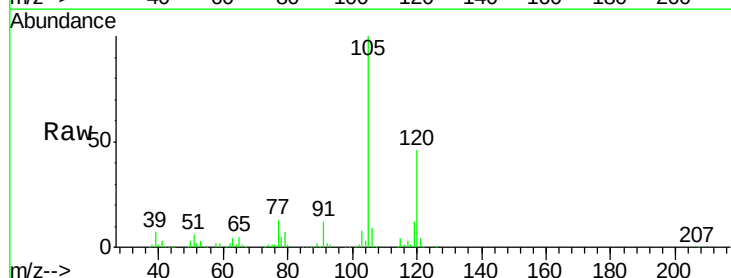
Acq: 13 Aug 2020 23:21

Tgt Ion:105 Resp: 375668

Ion Ratio Lower Upper

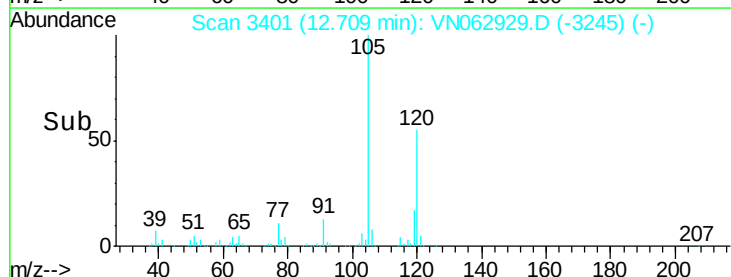
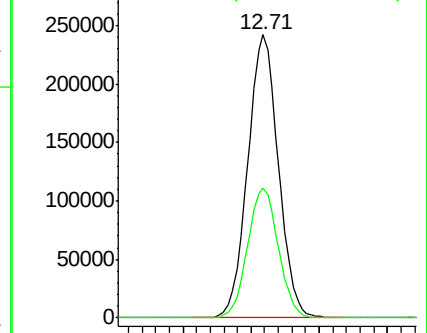
105 100

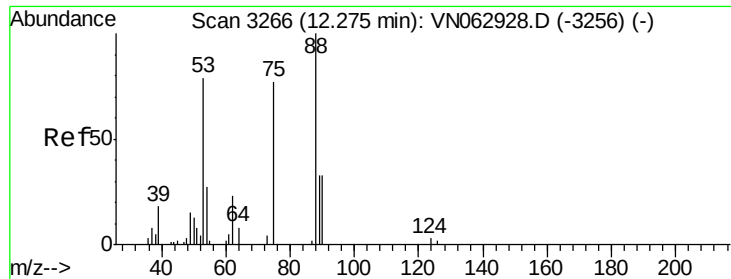
120 46.2 0.0 92.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 47.980 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

Instrument :

MSVOA_N

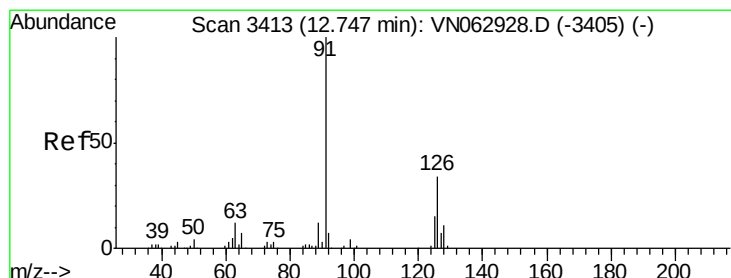
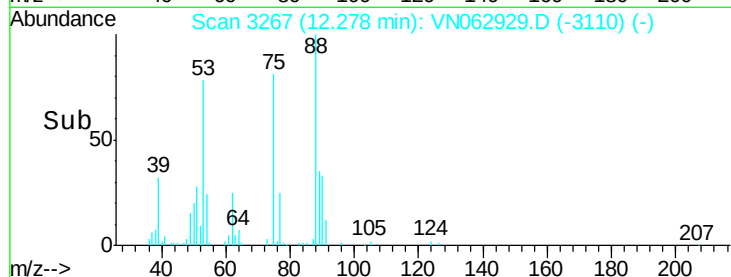
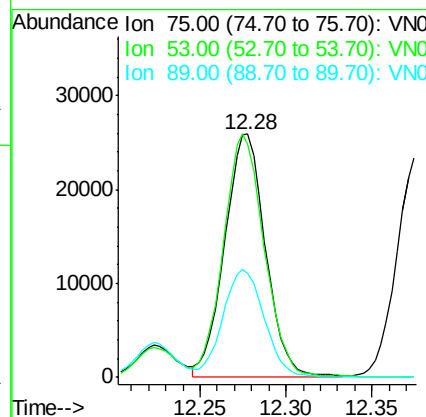
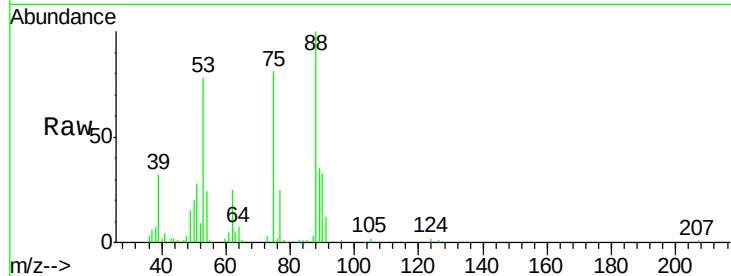
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	43076
Ion	Ratio	Lower	Upper
75	100		
53	95.5	52.3	157.1
89	43.2	23.4	70.3

Manual Integrations
APPROVED

MMDadoda
8/17/2020 9:20:05 AM



#78

4-Chlorotoluene

Concen: 53.197 ug/l

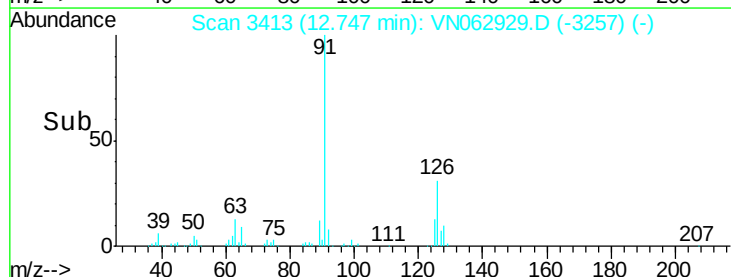
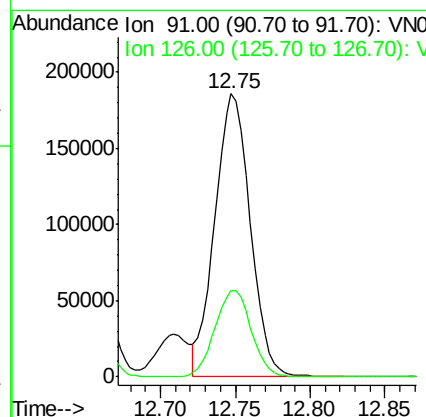
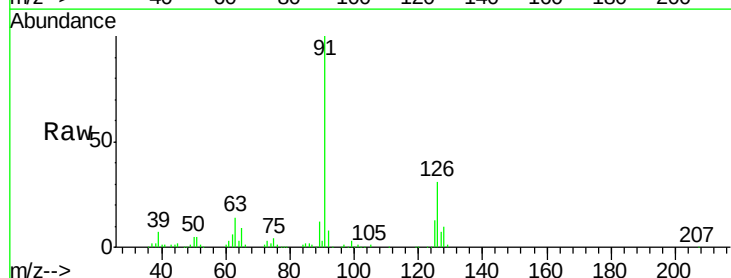
RT: 12.75 min Scan# 3413

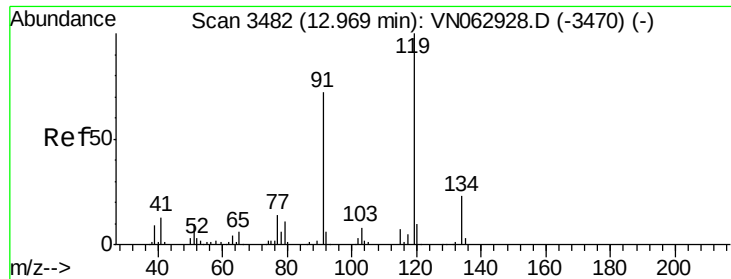
Delta R.T. 0.00 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

Tgt Ion:	91	Resp:	304854
Ion	Ratio	Lower	Upper
91	100		
126	31.3	0.0	63.0





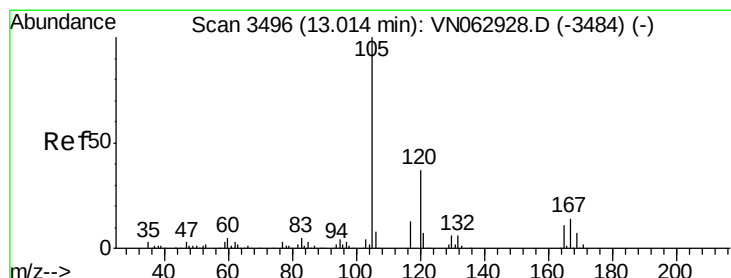
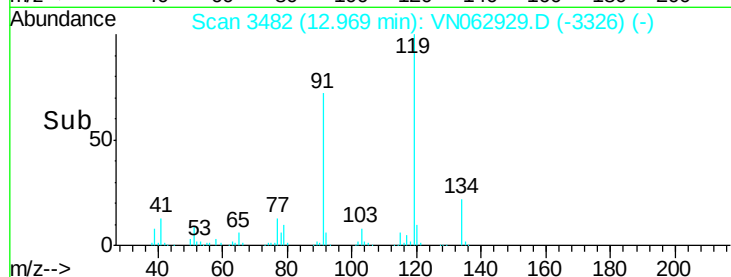
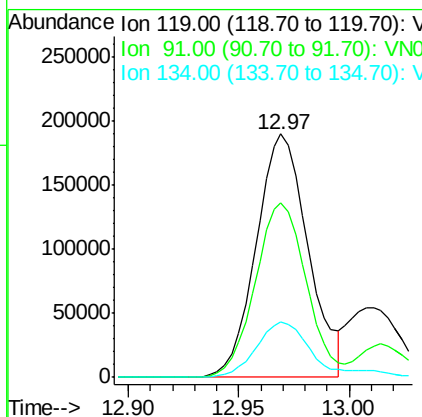
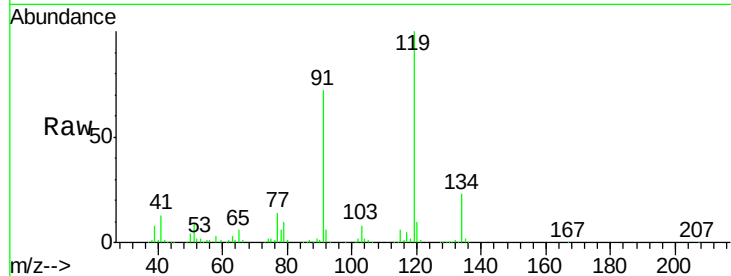
#79
tert-butylbenzene
Concen: 55.845 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	310450		
91	70.6	0.0	145.0	
134	23.0	0.0	44.6	

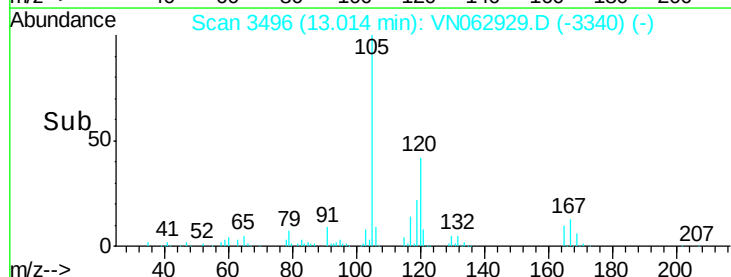
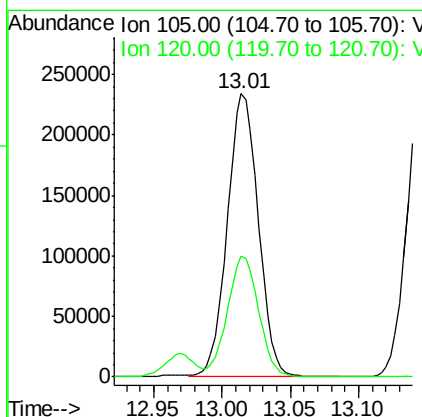
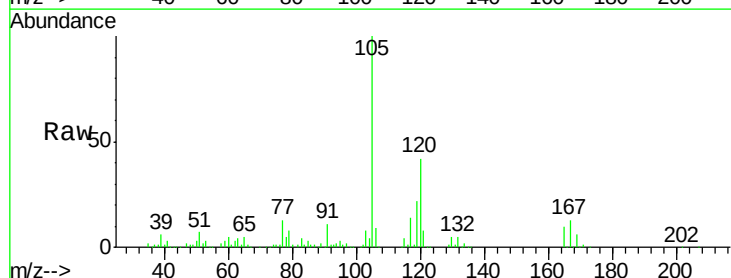
Manual Integrations
APPROVED

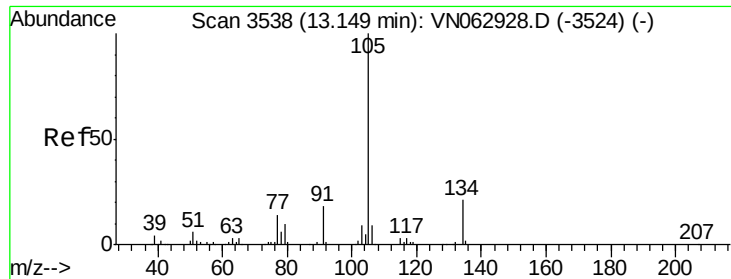
MMDadoda
8/17/2020 9:20:05 AM



#80
1,2,4-Trimethylbenzene
Concen: 56.063 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	369634		
120	43.3	0.0	86.6	





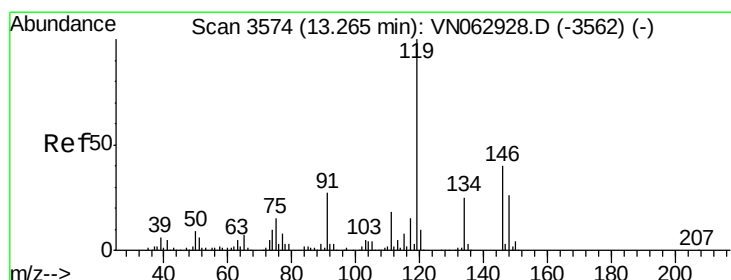
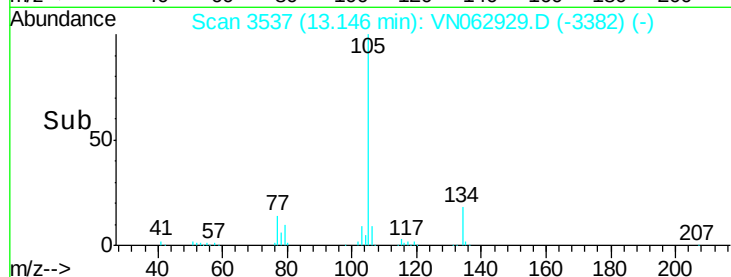
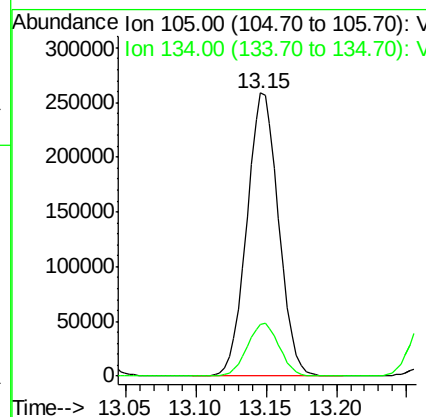
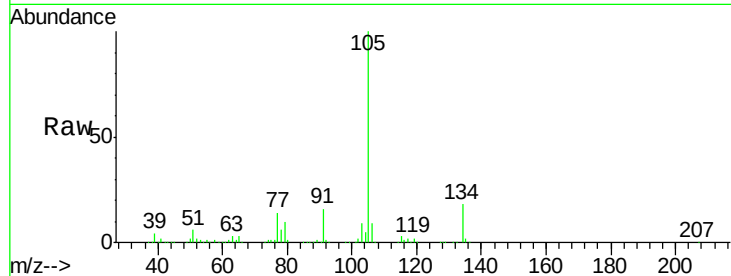
#81
 sec-Butylbenzene
 Concen: 54.649 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	406880		
134	18.9	0.0	39.4	

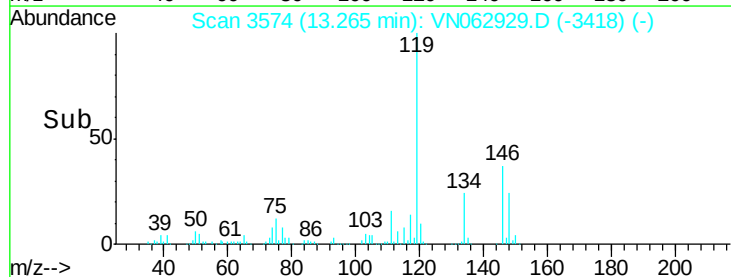
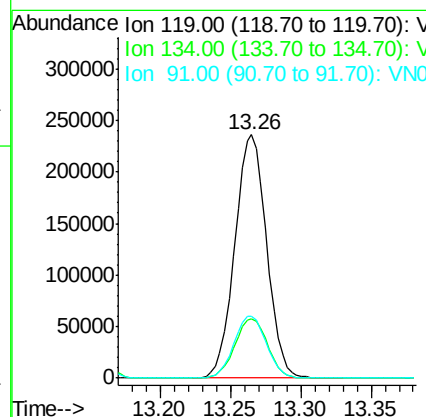
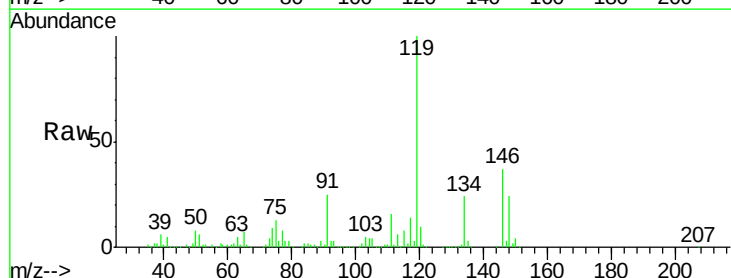
Manual Integrations
 APPROVED

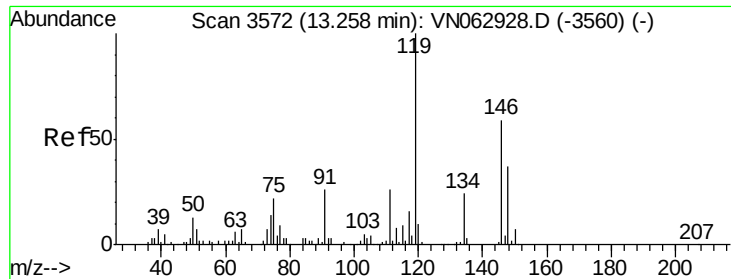
MMDadoda
 8/17/2020 9:20:05 AM



#82
 p-Isopropyltoluene
 Concen: 56.549 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	372278		
134	25.0	0.0	49.6	
91	25.8	0.0	53.6	





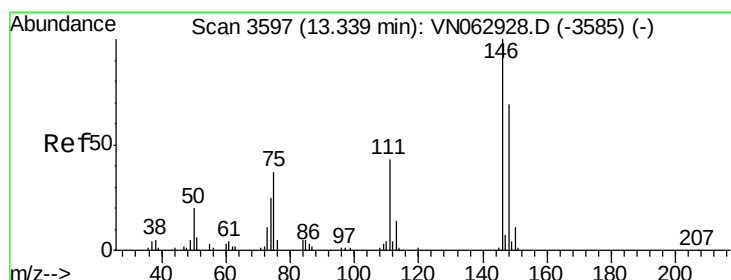
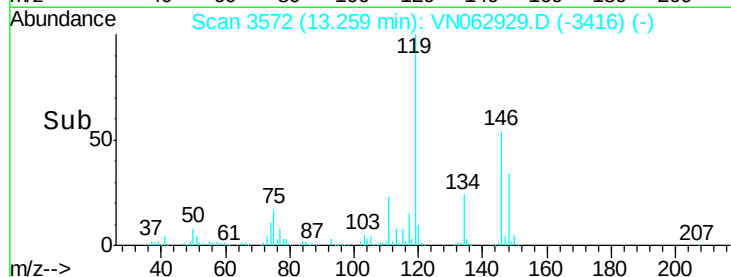
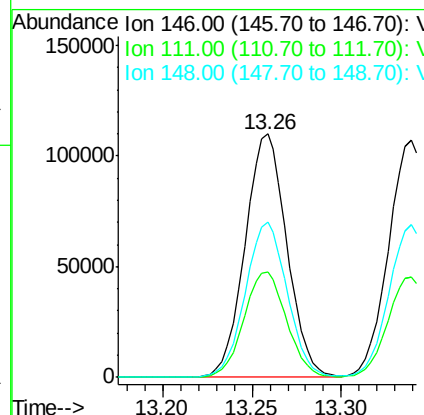
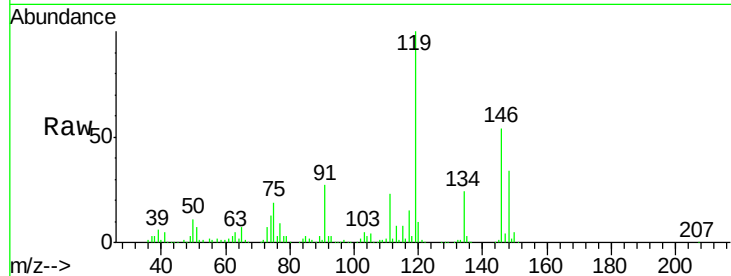
#83
 1,3-Dichlorobenzene
 Concen: 56.494 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	180555		
111	44.0		22.4	67.2
148	63.8		31.6	94.7

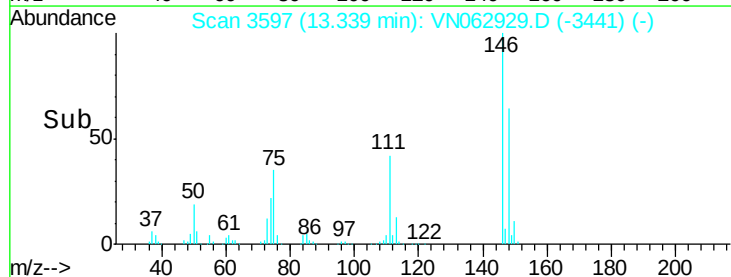
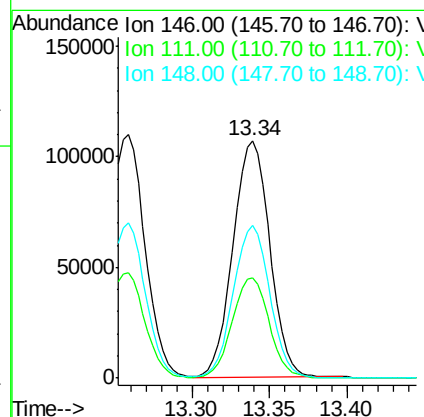
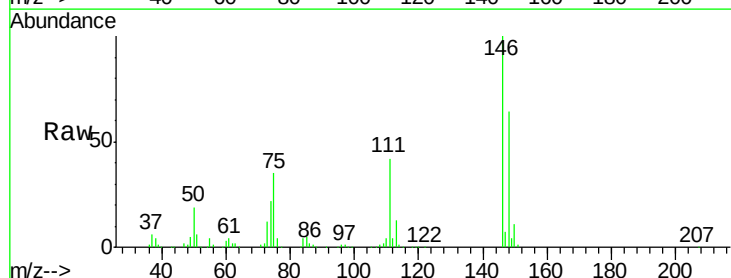
Manual Integrations
 APPROVED

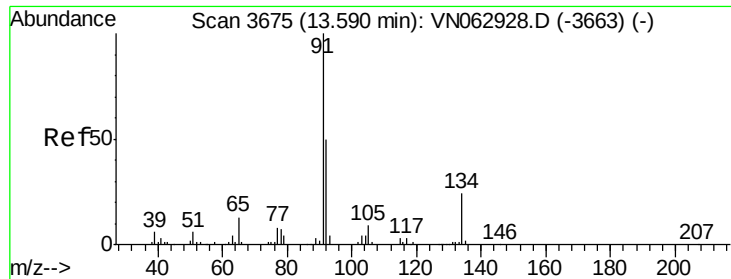
MMDadoda
 8/17/2020 9:20:05 AM



#84
 1,4-Dichlorobenzene
 Concen: 56.147 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	176692		
111	42.7		21.6	64.8
148	64.1		33.3	99.9





#85

n-Butylbenzene

Concen: 52.214 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

Instrument :

MSVOA_N

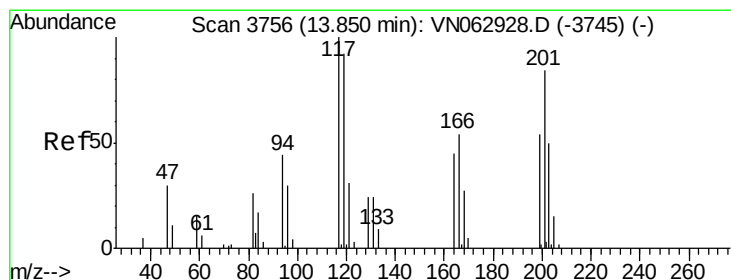
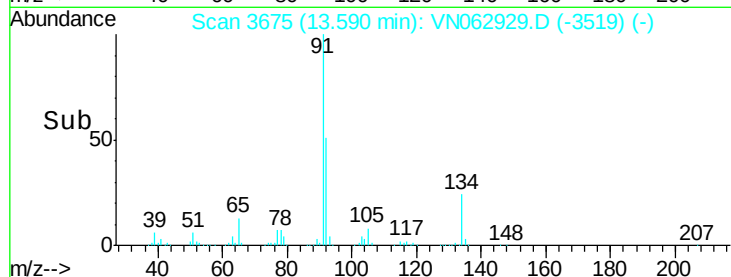
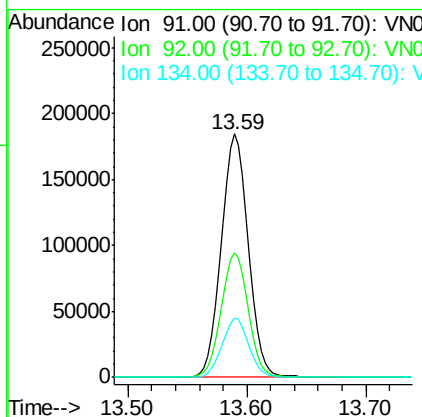
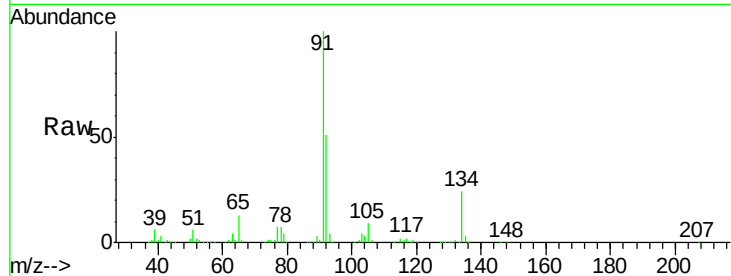
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	290745		
92	50.9		0.0	97.2
134	23.9		0.0	48.4

Manual Integrations
APPROVED

MMDadoda
8/17/2020 9:20:05 AM



#86

Hexachloroethane

Concen: 54.761 ug/l

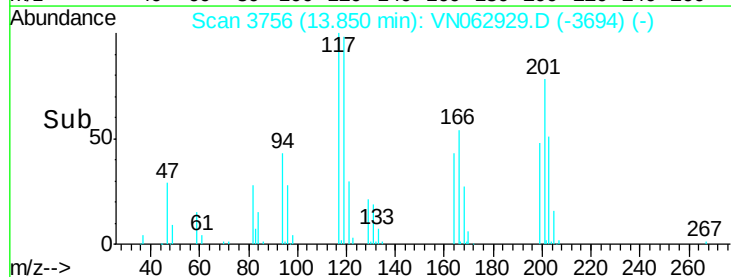
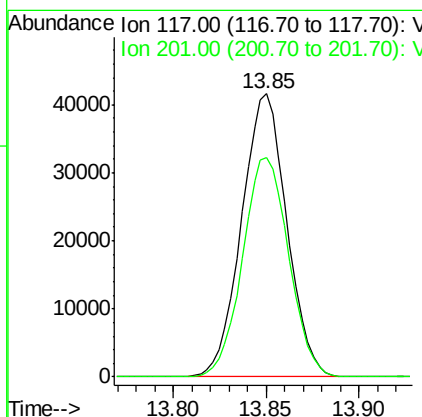
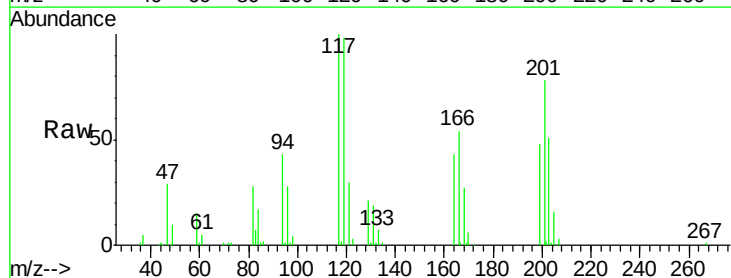
RT: 13.85 min Scan# 3756

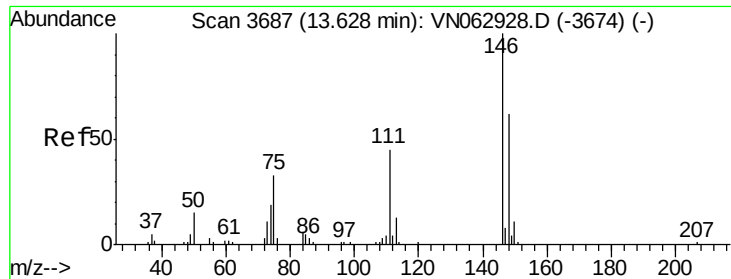
Delta R.T. 0.00 min

Lab File: VN062929.D

Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	70689		
201	79.0		40.9	122.7





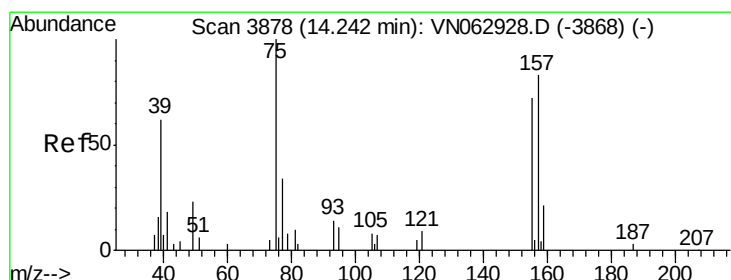
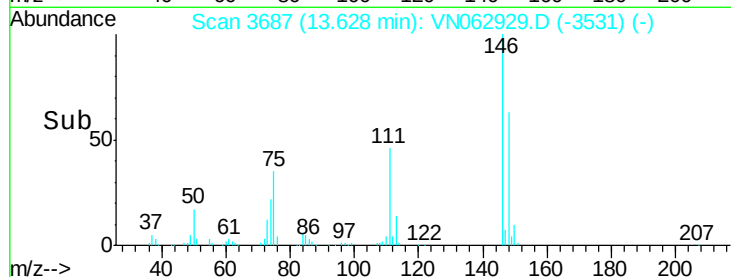
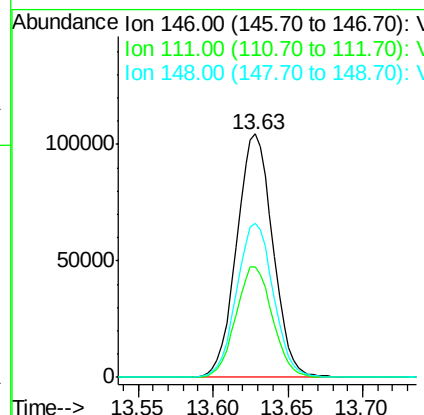
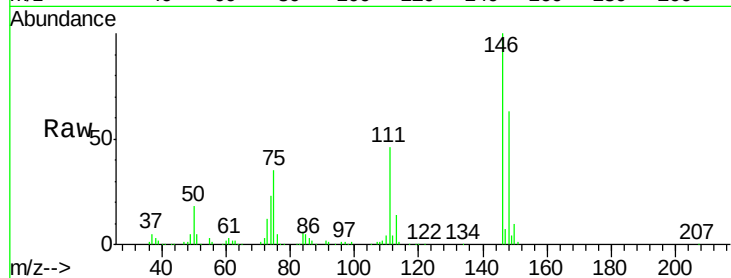
#87
 1,2-Dichlorobenzene
 Concen: 57.296 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	23.3	69.8
148	64.2	31.3	93.8

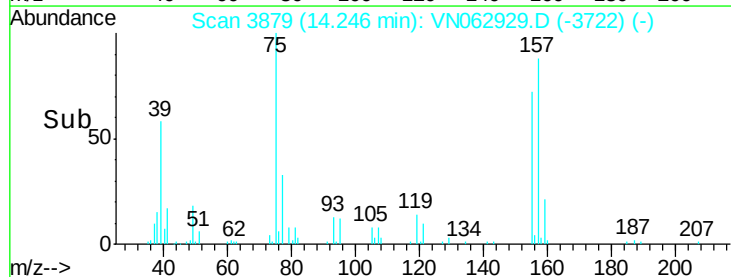
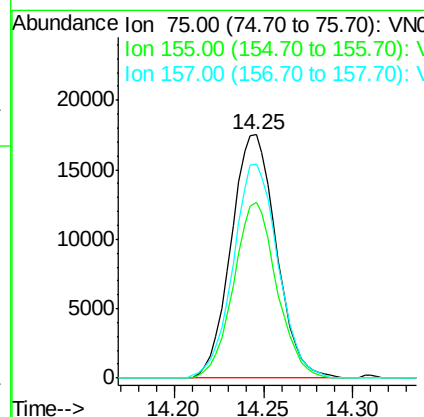
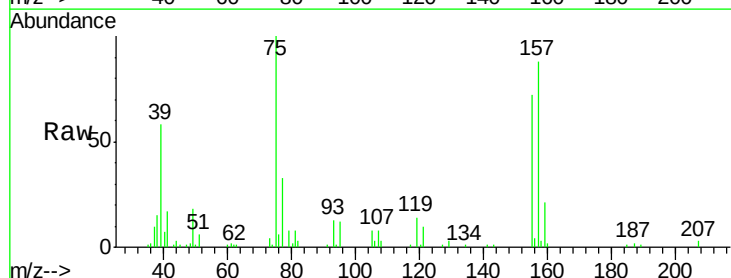
Manual Integrations
 APPROVED

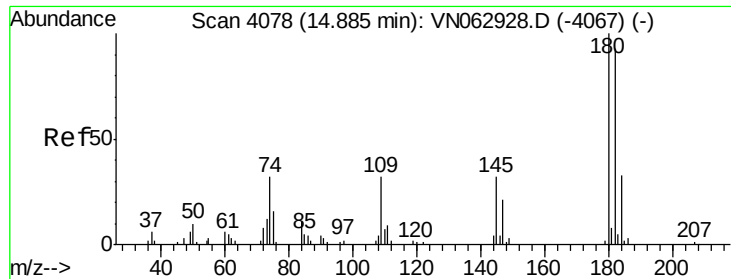
MMDadoda
 8/17/2020 9:20:05 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 64.170 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.8	59.8	89.8
157	87.1	71.6	107.4





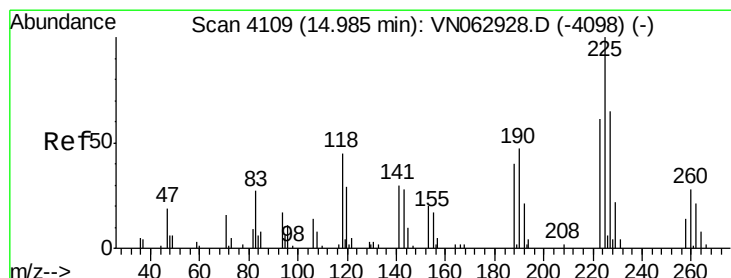
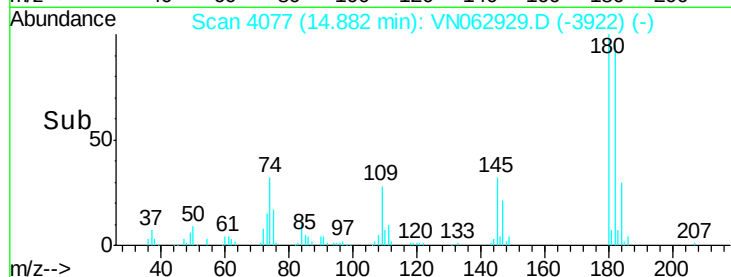
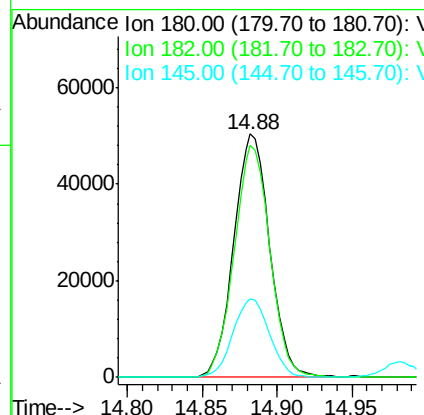
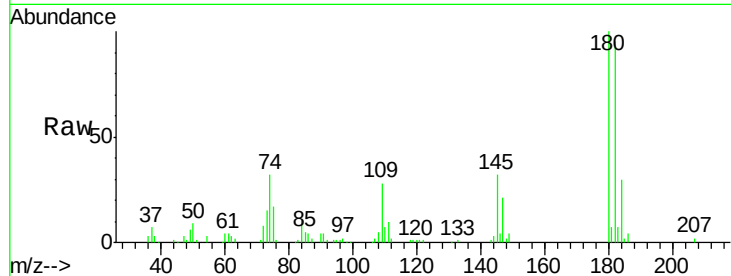
#89
 1,2,4-Trichlorobenzene
 Concen: 56.565 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.3	112.9
145	32.6	25.4	38.2

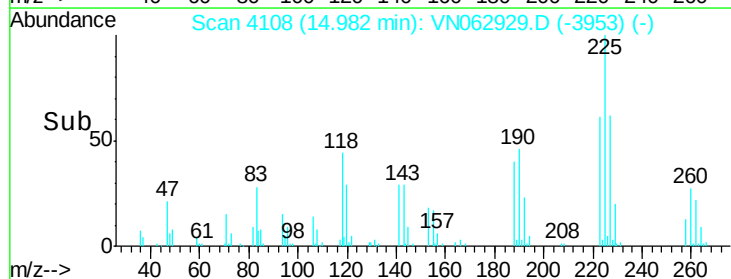
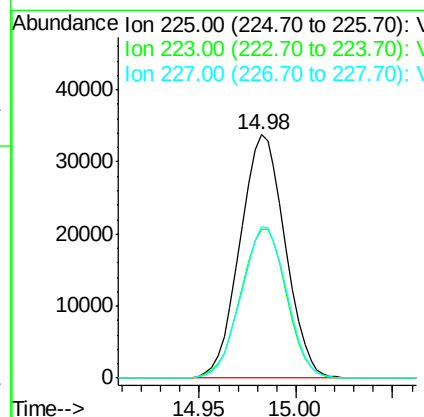
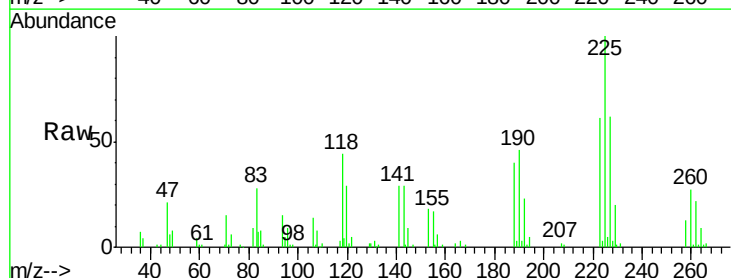
Manual Integrations
 APPROVED

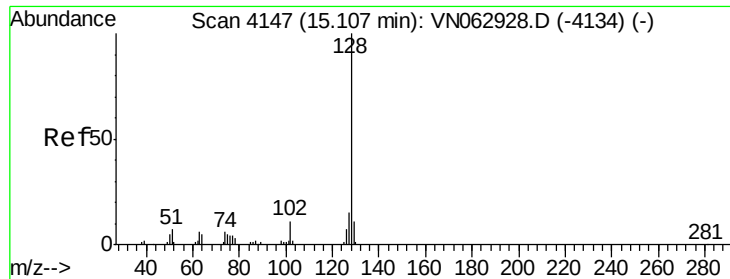
MMDadoda
 8/17/2020 9:20:05 AM



#90
 Hexachlorobutadiene
 Concen: 62.826 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062929.D
 Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	0.0	129.8
227	62.7	0.0	133.6





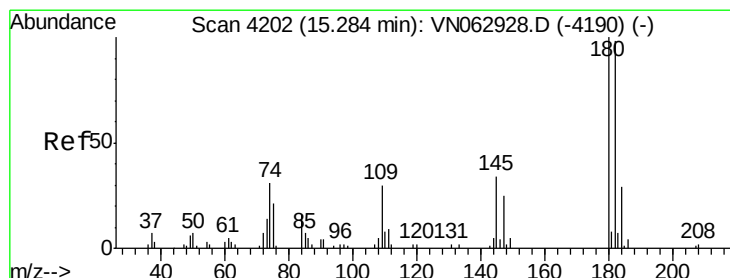
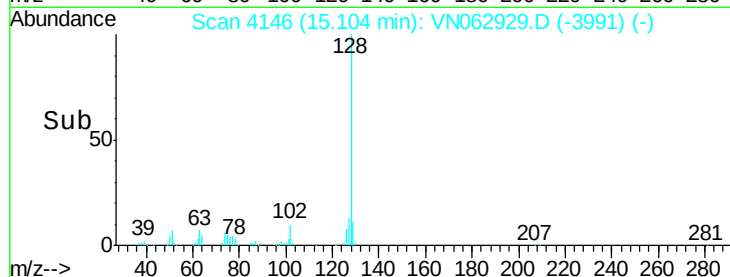
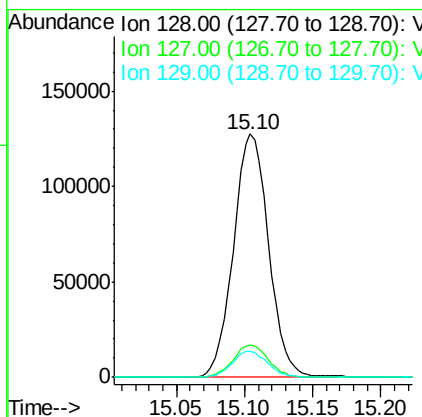
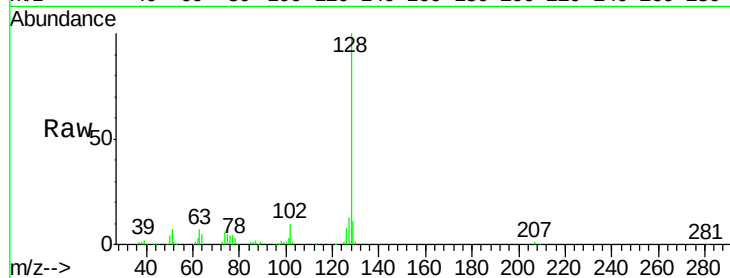
#91
Naphthalene
Concen: 57.061 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	11.6	17.4
129	10.8	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
8/17/2020 9:20:05 AM



#92
1,2,3-Trichlorobenzene
Concen: 57.608 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062929.D
Acq: 13 Aug 2020 23:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	0.0	196.4
145	34.8	0.0	71.4

