

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN112320\
 Data File : VN064781.D
 Acq On : 23 Nov 2020 13:30
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 3:01:15 PM

Quant Time: Nov 23 13:51:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:11:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	192015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	296752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	275889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	143201	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	345245	109.43	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	218.86%#
35) Dibromofluoromethane	7.55	113	272468	159.92	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	319.84%#
50) Toluene-d8	10.06	98	1158607	152.76	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	305.52%#
62) 4-Bromofluorobenzene	12.38	95	432867	154.34	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	308.68%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	232837	102.491	ug/l	98
3) Chloromethane	2.04	50	303073	118.076	ug/l	100
4) Vinyl Chloride	2.16	62	316057	118.482	ug/l	97
5) Bromomethane	2.50	94	201143	105.105	ug/l	100
6) Chloroethane	2.66	64	196829	110.766	ug/l	99
7) Trichlorofluoromethane	2.98	101	439688	94.812	ug/l	97
8) Diethyl Ether	3.37	74	174439	113.781	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.70	101	267529	128.094	ug/l	99
10) Methyl Iodide	3.90	142	379934	150.936	ug/l	99
11) Tert butyl alcohol	4.76	59	268913	813.559	ug/l	100
12) 1,1-Dichloroethene	3.69	96	271270	134.163	ug/l	97
13) Acrolein	3.56	56	169702	1683.440	ug/l	100
14) Allyl chloride	4.27	41	461264	134.138	ug/l	99
15) Acrylonitrile	4.93	53	752168	784.283	ug/l	100
16) Acetone	3.78	43	542812	659.768	ug/l	98
17) Carbon Disulfide	4.00	76	723901	116.469	ug/l	99
18) Methyl Acetate	4.28	43	333859	132.828	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	930048	138.914	ug/l	99
20) Methylene Chloride	4.50	84	316040	129.282	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	296038	131.642	ug/l	99
22) Diisopropyl ether	5.91	45	938353	130.010	ug/l	98
23) Vinyl Acetate	5.85	43	3864091	665.072	ug/l	100
24) 1,1-Dichloroethane	5.79	63	546520	128.556	ug/l	100
25) 2-Butanone	6.79	43	941589	739.253	ug/l	97
26) 2,2-Dichloropropane	6.78	77	459978	115.821	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	347304	139.783	ug/l	99
28) Bromochloromethane	7.15	49	252476	118.601	ug/l	98
29) Tetrahydrofuran	7.17	42	630567	734.974	ug/l	99
30) Chloroform	7.33	83	550782	120.495	ug/l	100
31) Cyclohexane	7.61	56	448926	127.036	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	481589	115.809	ug/l	99
36) 1,1-Dichloropropene	7.75	75	416795	139.188	ug/l	99
37) Ethyl Acetate	6.89	43	399097	157.048	ug/l	99
38) Carbon Tetrachloride	7.73	117	434970	137.838	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN112320\
 Data File : VN064781.D
 Acq On : 23 Nov 2020 13:30
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 3:01:15 PM

Quant Time: Nov 23 13:51:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:11:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	467011	170.367	ug/l	98
40) Benzene	8.00	78	1264209	149.912	ug/l	99
41) Methacrylonitrile	7.13	41	192859	167.364	ug/l	89
42) 1,2-Dichloroethane	8.09	62	415090	118.579	ug/l	100
43) Isopropyl Acetate	8.13	43	667544	137.621	ug/l	100
44) Trichloroethene	8.80	130	361279	147.594	ug/l	100
45) 1,2-Dichloropropane	9.08	63	335011	149.632	ug/l	99
46) Dibromomethane	9.17	93	219610	139.947	ug/l	98
47) Bromodichloromethane	9.37	83	451824	137.562	ug/l	99
48) Methyl methacrylate	9.17	41	328187	143.887	ug/l	99
49) 1,4-Dioxane	9.17	88	118842	3853.907	ug/l	99
51) 4-Methyl-2-Pentanone	9.96	43	2028075	768.044	ug/l	100
52) Toluene	10.13	92	796184	153.796	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	516818	146.773	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	556942	151.582	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	315930	152.212	ug/l	98
56) Ethyl methacrylate	10.40	69	500405	172.724	ug/l	98
57) 1,3-Dichloropropane	10.68	76	535566	149.056	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	1340196	839.178	ug/l	99
59) 2-Hexanone	10.72	43	1516807	795.507	ug/l	100
60) Dibromochloromethane	10.87	129	377556	156.833	ug/l	98
61) 1,2-Dibromoethane	10.98	107	334205	150.658	ug/l	100
64) Tetrachloroethene	10.60	164	364781	147.781	ug/l	99
65) Chlorobenzene	11.41	112	884185	151.788	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	333094	152.308	ug/l	99
67) Ethyl Benzene	11.48	91	1547199	151.442	ug/l	100
68) m/p-Xylenes	11.59	106	1196096	323.947	ug/l	99
69) o-Xylene	11.92	106	574871	160.388	ug/l	99
70) Styrene	11.94	104	995157	163.975	ug/l	99
71) Bromoform	12.10	173	274886	179.058	ug/l #	99
73) Isopropylbenzene	12.22	105	1511377	149.369	ug/l	100
74) N-amyl acetate	12.05	43	624082	135.531	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	432958	152.320	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	426896m	138.951	ug/l	
77) Bromobenzene	12.50	156	382543	148.713	ug/l	98
78) n-propylbenzene	12.57	91	1752749	149.271	ug/l	99
79) 2-Chlorotoluene	12.65	91	1036807	138.772	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1309252	155.934	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	179766	161.742	ug/l	96
82) 4-Chlorotoluene	12.75	91	1086131	136.948	ug/l	99
83) tert-Butylbenzene	12.97	119	1089372	166.120	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	1338968	156.637	ug/l	98
85) sec-Butylbenzene	13.15	105	1451307	165.673	ug/l	100
86) p-Isopropyltoluene	13.26	119	1368993	169.580	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	708307	151.821	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	716455	149.219	ug/l	99
89) n-Butylbenzene	13.59	91	1207351	162.169	ug/l	99
90) Hexachloroethane	13.85	117	239803	178.178	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	691293	151.058	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	99580	136.062	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN112320\
Data File : VN064781.D
Acq On : 23 Nov 2020 13:30
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:15 PM

Quant Time: Nov 23 13:51:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:11:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	437493	170.883	ug/l	99
94) Hexachlorobutadiene	14.98	225	197302	152.310	ug/l	99
95) Naphthalene	15.10	128	1364149	168.294	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	424229	172.300	ug/l	99

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

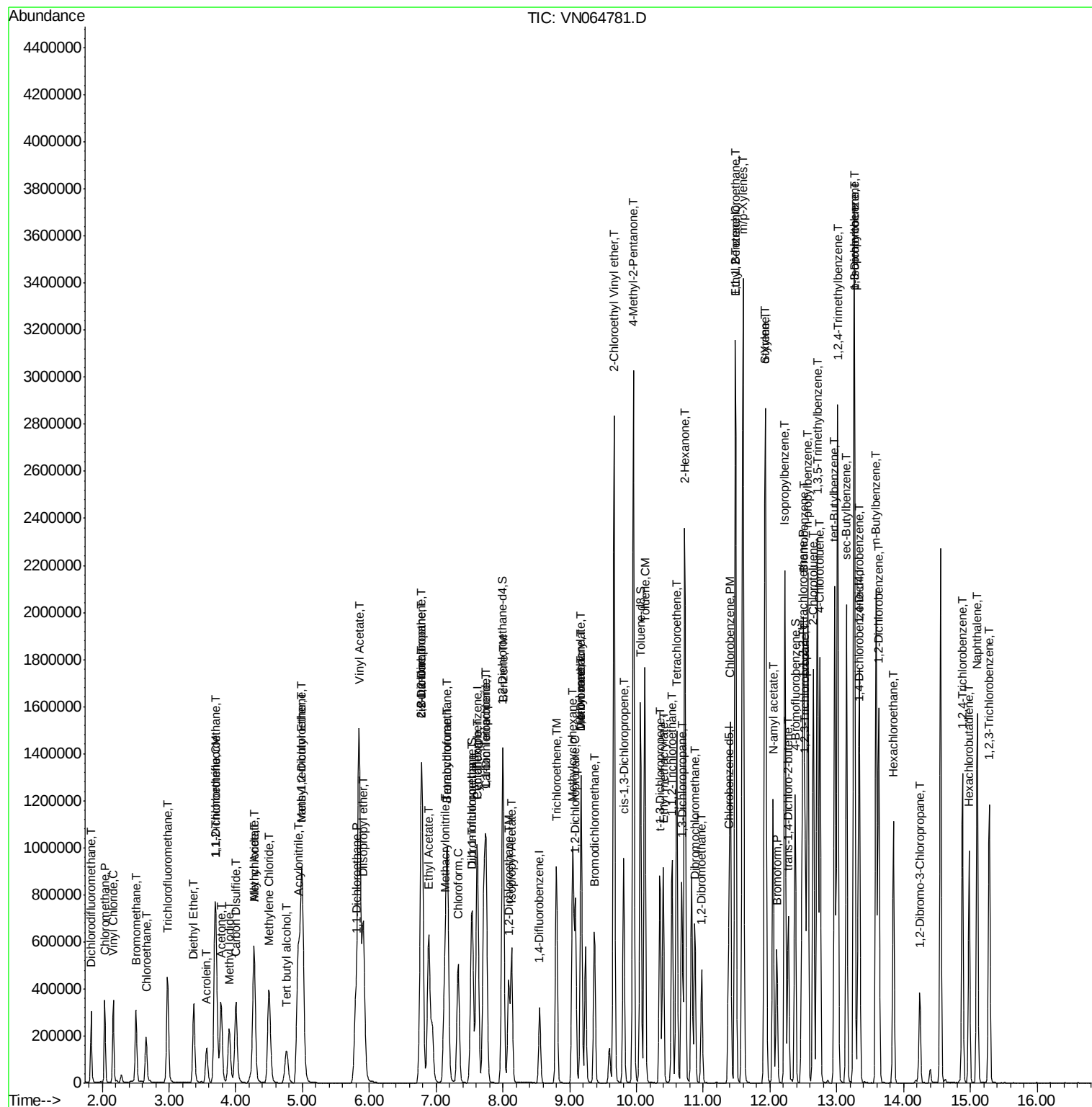
Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN112320\
 Data File : VN064781.D
 Acq On : 23 Nov 2020 13:30
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

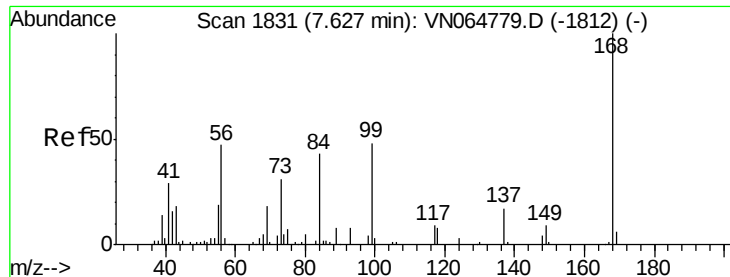
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 3:01:15 PM

Quant Time: Nov 23 13:51:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:11:32 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 192015

Ion Ratio Lower Upper

168 100

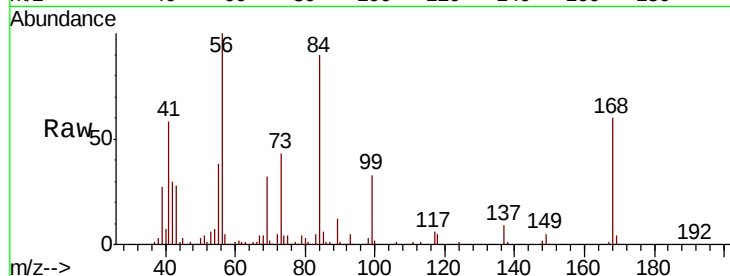
99 54.9 43.0 64.4

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:15 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

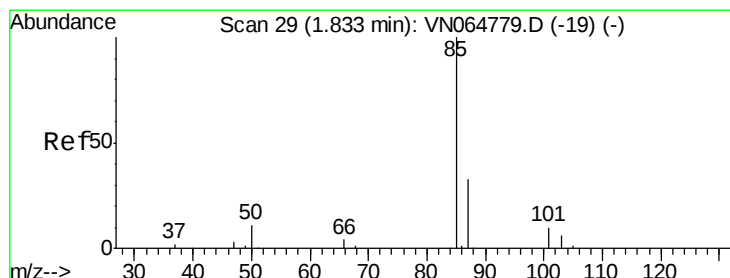
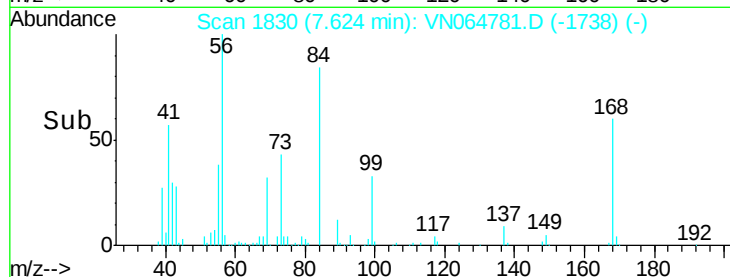
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 102.491 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064781.D

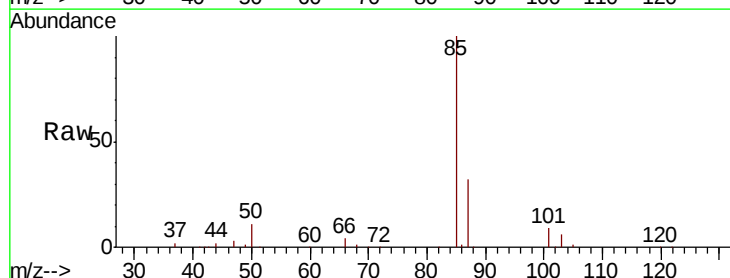
Acq: 23 Nov 2020 13:30

Tgt Ion: 85 Resp: 232837

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

200000

150000

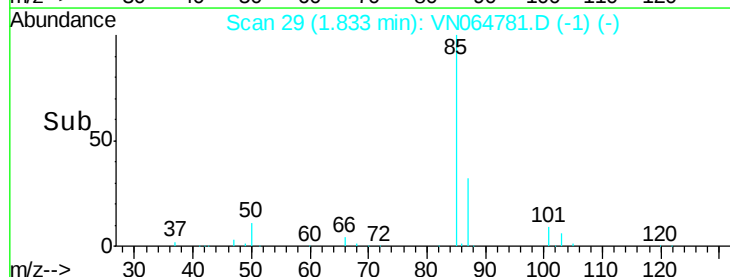
100000

50000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 118.076 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 303073

Ion Ratio Lower Upper

50 100

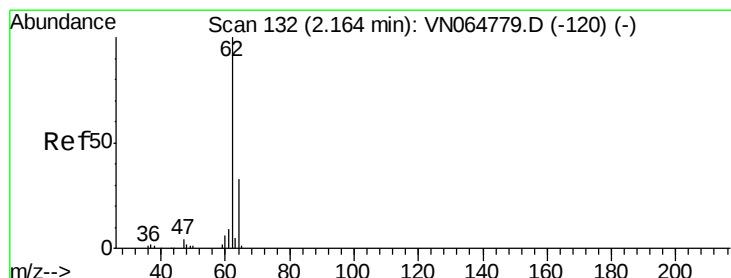
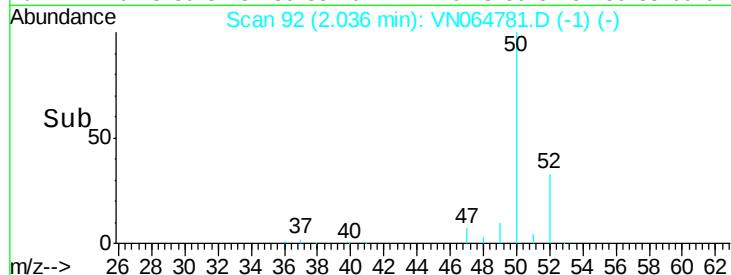
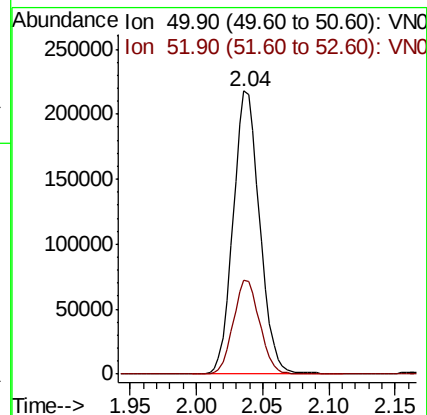
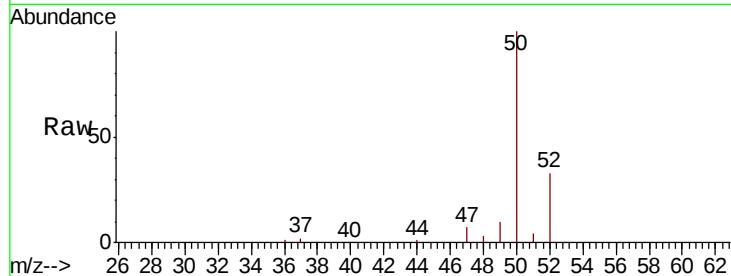
52 33.1 26.6 39.8

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:15 PM



#4

Vinyl Chloride

Concen: 118.482 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064781.D

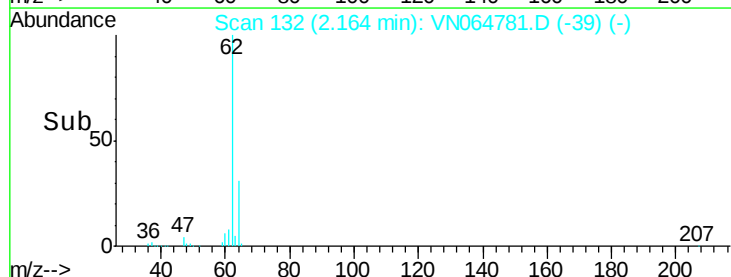
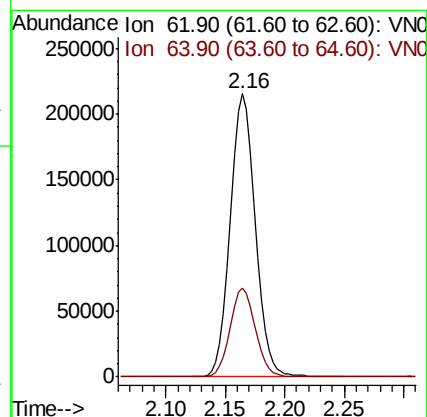
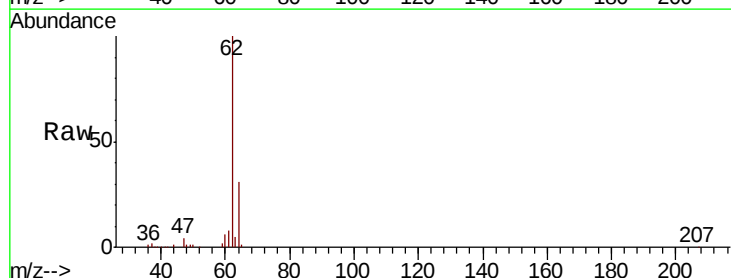
Acq: 23 Nov 2020 13:30

Tgt Ion: 62 Resp: 316057

Ion Ratio Lower Upper

62 100

64 31.3 26.5 39.7





#5

Bromomethane

Concen: 105.105 ug/l

RT: 2.50 min Scan# 237

Delta R.T. -0.03 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 201143

Ion Ratio Lower Upper

94 100

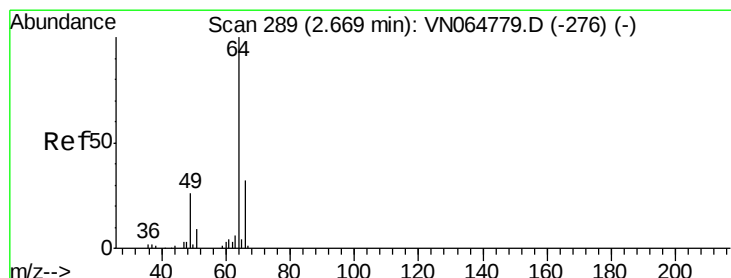
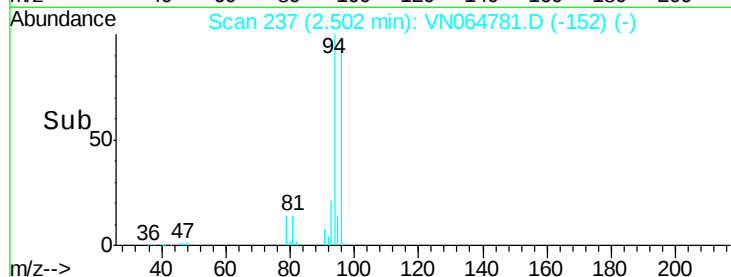
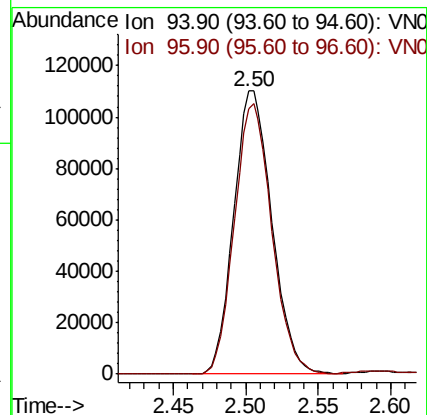
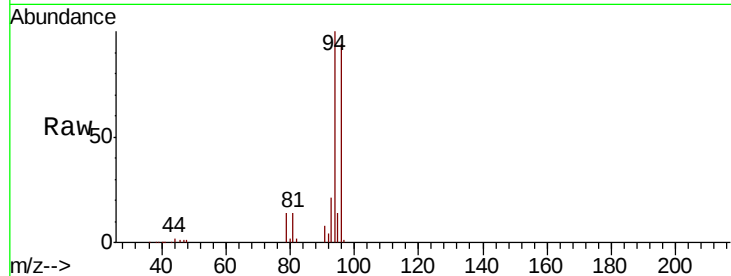
96 93.7 75.4 113.0

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:15 PM



#6

Chloroethane

Concen: 110.766 ug/l

RT: 2.66 min Scan# 285

Delta R.T. -0.01 min

Lab File: VN064781.D

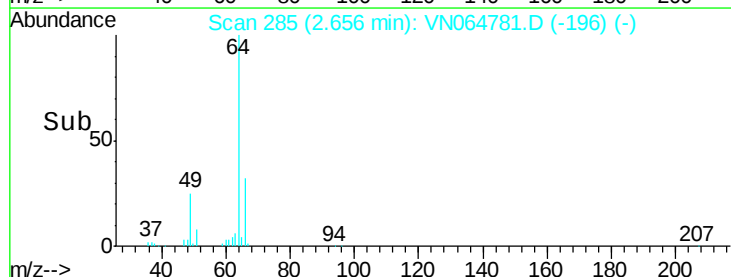
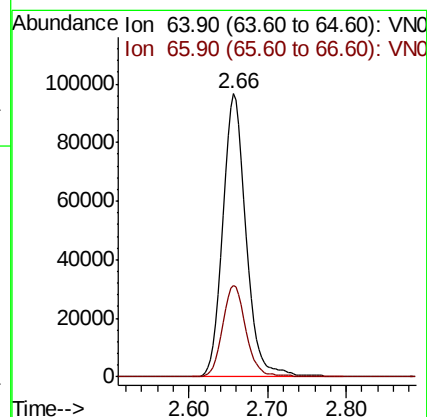
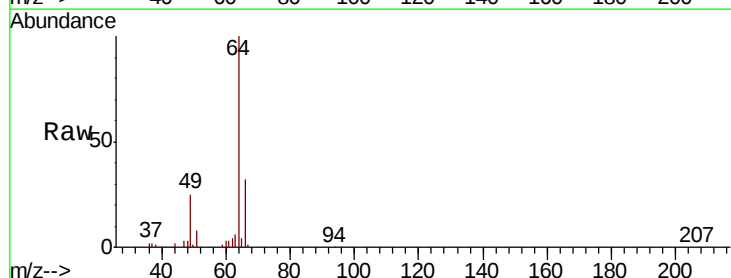
Acq: 23 Nov 2020 13:30

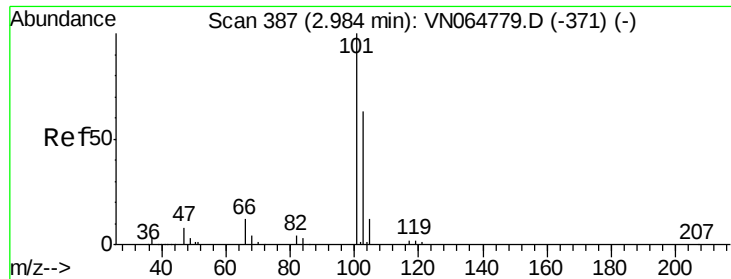
Tgt Ion: 64 Resp: 196829

Ion Ratio Lower Upper

64 100

66 32.3 25.6 38.4





#7

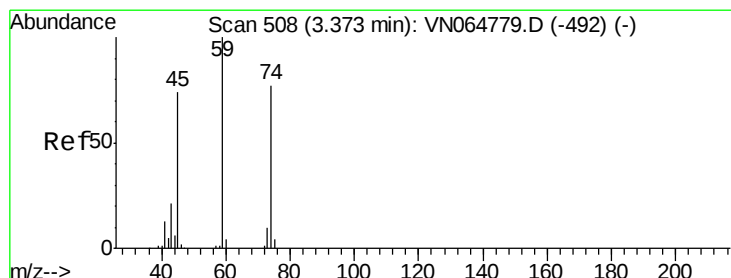
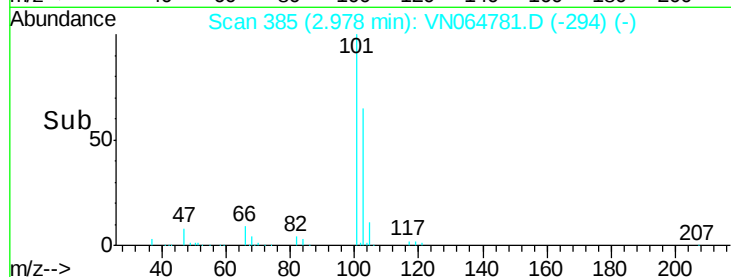
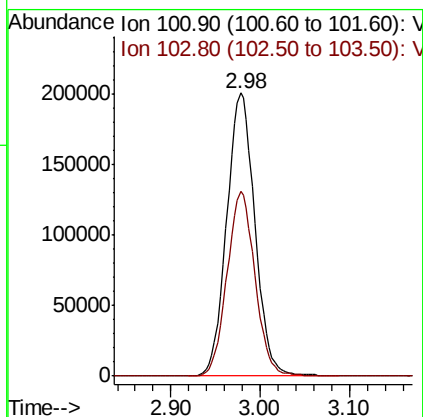
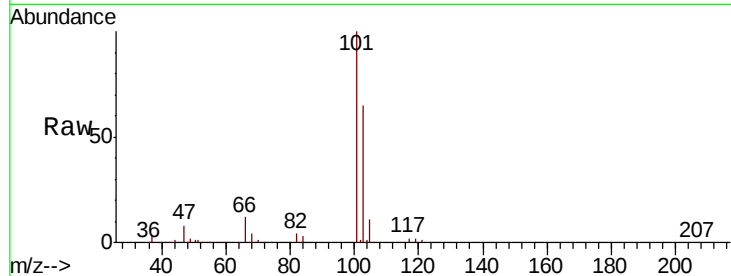
Trichlorofluoromethane
Concen: 94.812 ug/l
RT: 2.98 min Scan# 385
Delta R.T. -0.01 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	50.5	75.7

Manual Integrations
APPROVED

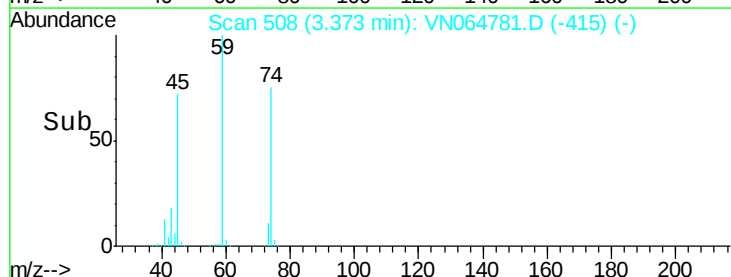
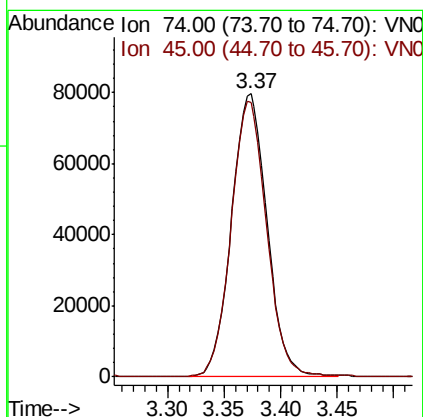
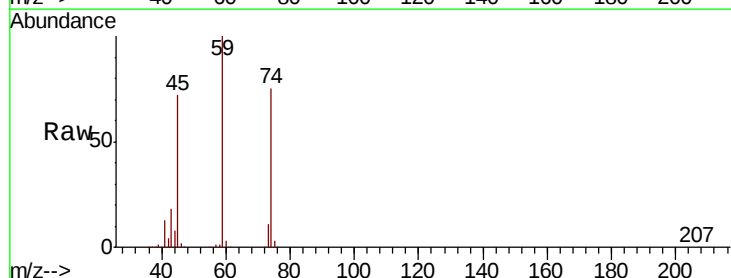
MMDadoda
11/24/2020 3:01:15 PM

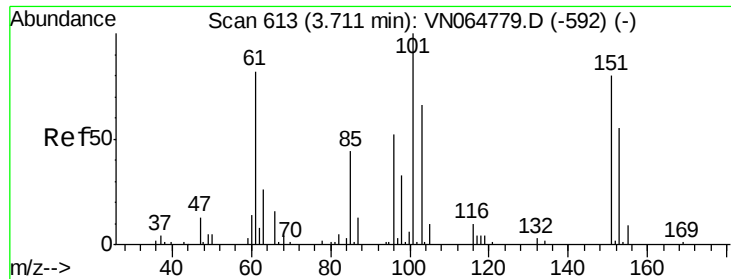


#8

Diethyl Ether
Concen: 113.781 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 128.094 ug/l

RT: 3.70 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

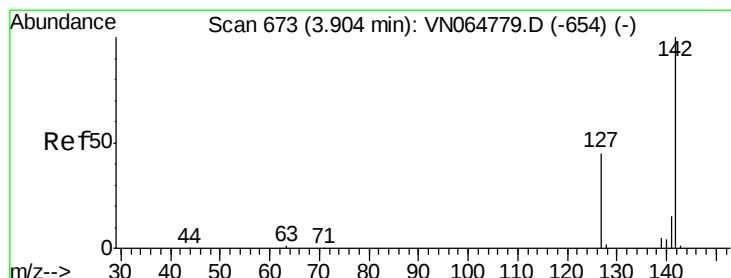
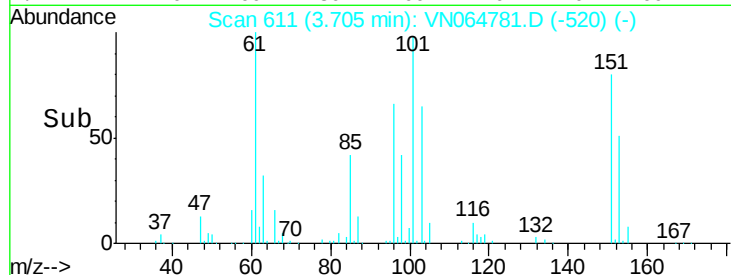
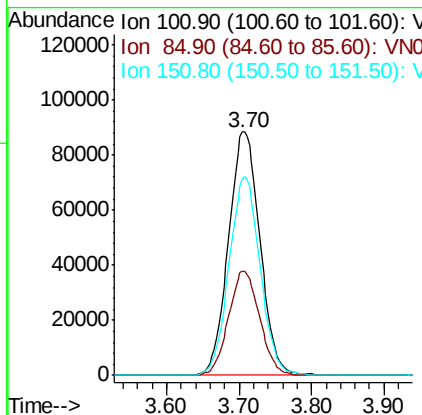
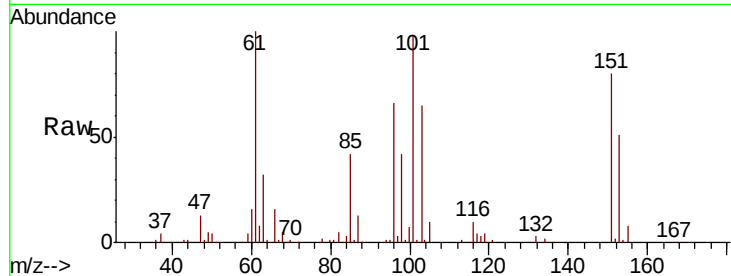
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	267529
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.4	51.6
151	80.4	64.0	96.0

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:15 PM



#10

Methyl Iodide

Concen: 150.936 ug/l

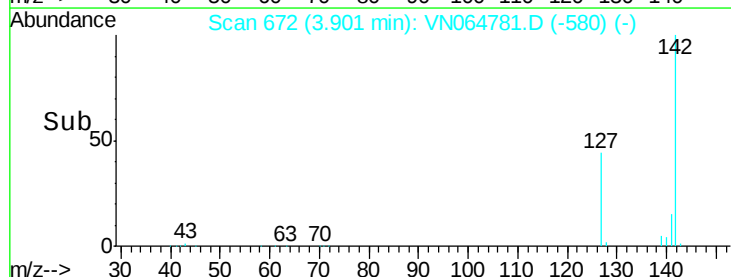
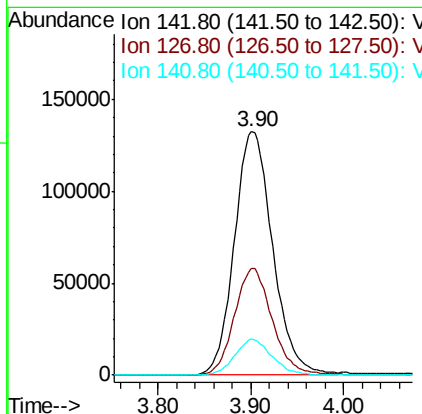
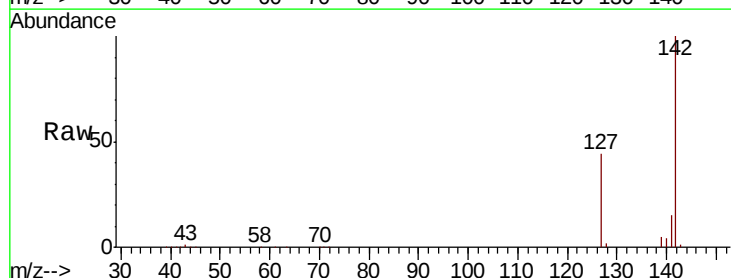
RT: 3.90 min Scan# 672

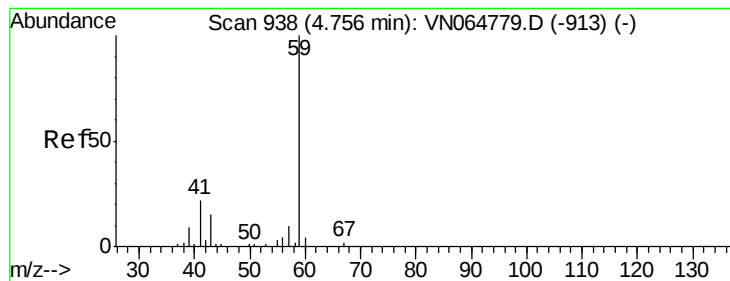
Delta R.T. -0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Tgt Ion:	142	Resp:	379934
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.0	52.6
141	14.3	11.8	17.6





#11

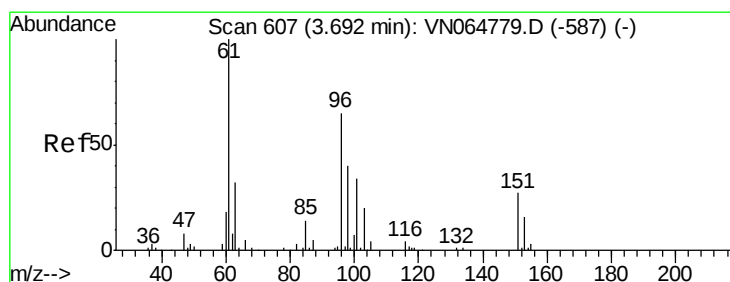
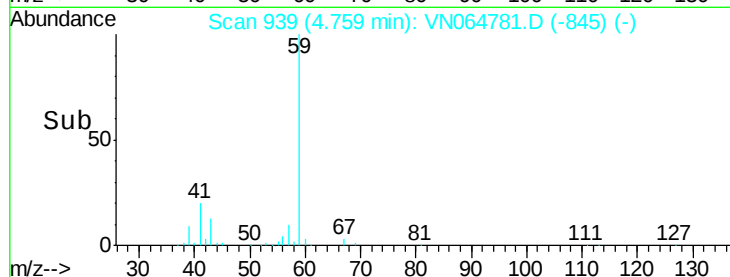
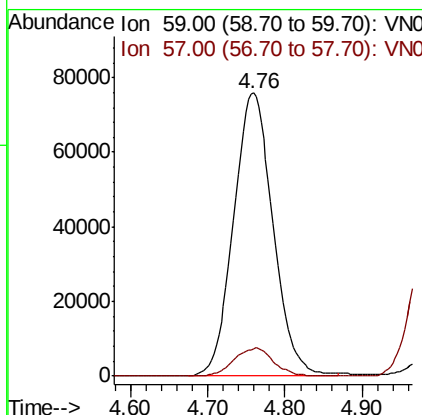
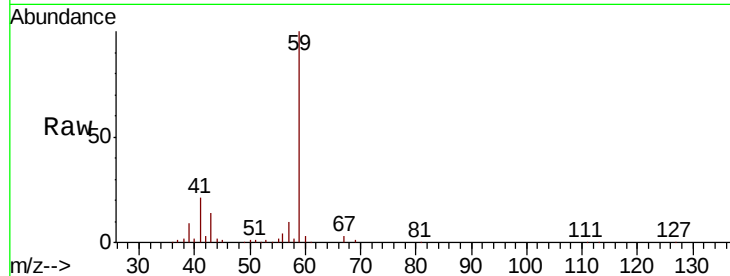
Tert butyl alcohol
Concen: 813.559 ug/l
RT: 4.76 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.9	11.9

Manual Integrations
APPROVED

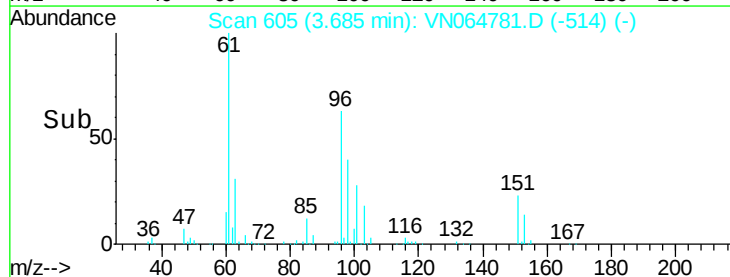
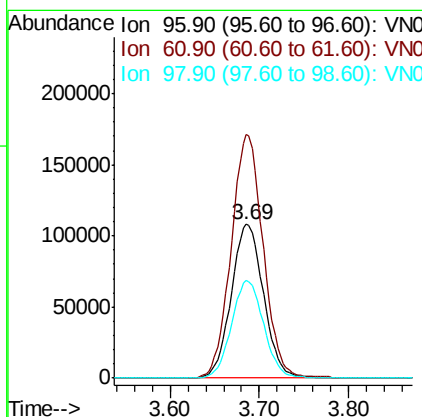
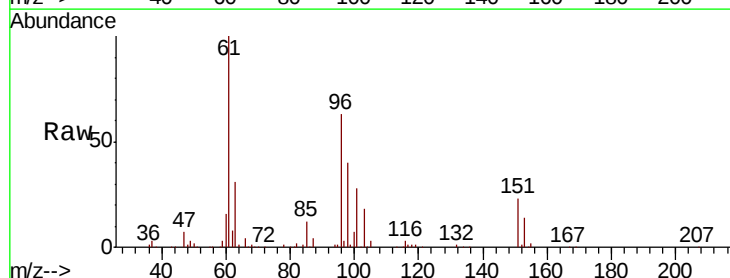
MMDadoda
11/24/2020 3:01:15 PM

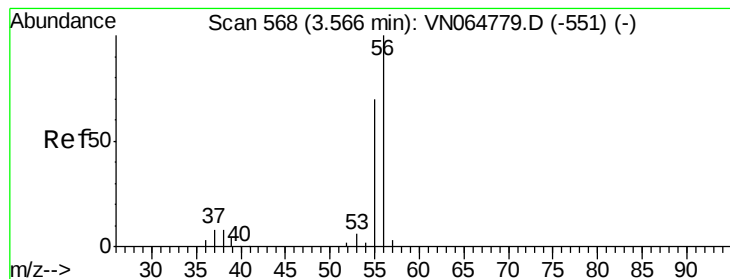


#12

1,1-Dichloroethene
Concen: 134.163 ug/l
RT: 3.69 min Scan# 605
Delta R.T. -0.01 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.2	123.4	185.2
98	63.7	49.8	74.8





#13

Acrolein

Concen: 1683.440 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 169702

Ion Ratio Lower Upper

56 100

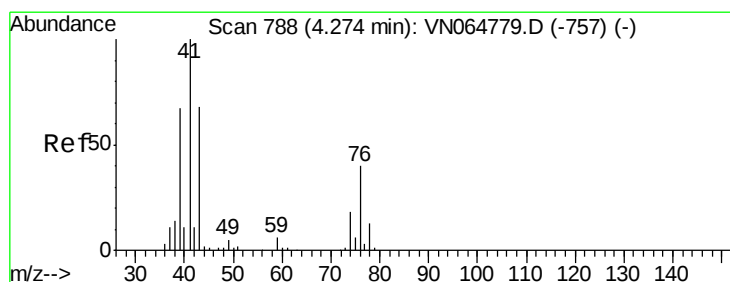
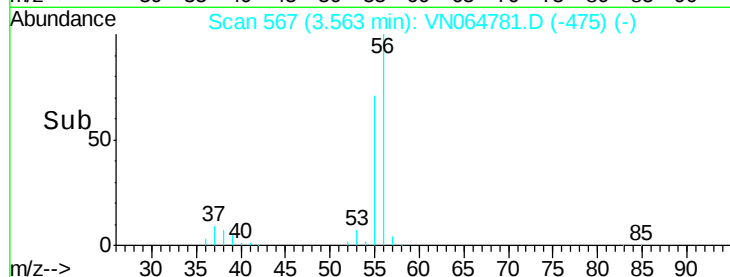
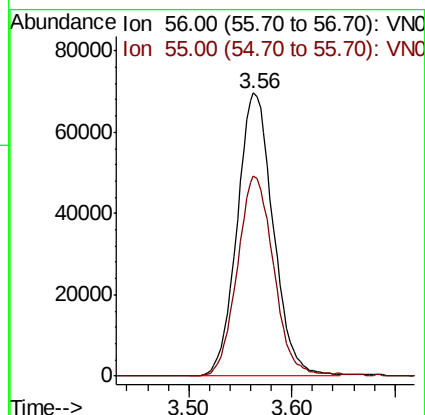
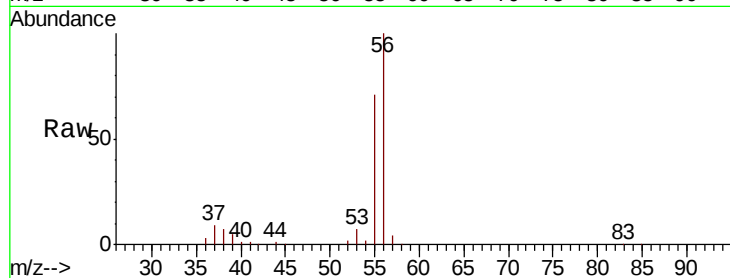
55 71.0 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:15 PM



#14

Allyl chloride

Concen: 134.138 ug/l

RT: 4.27 min Scan# 787

Delta R.T. -0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

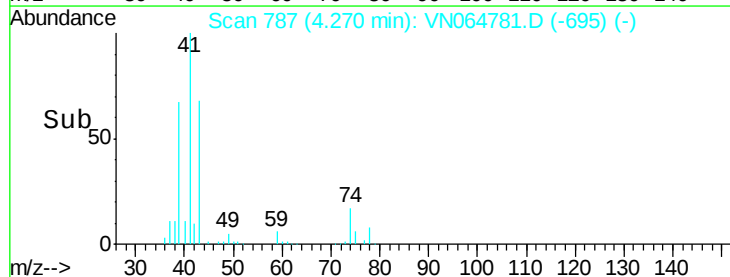
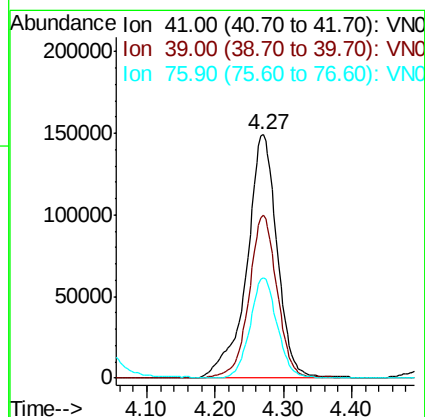
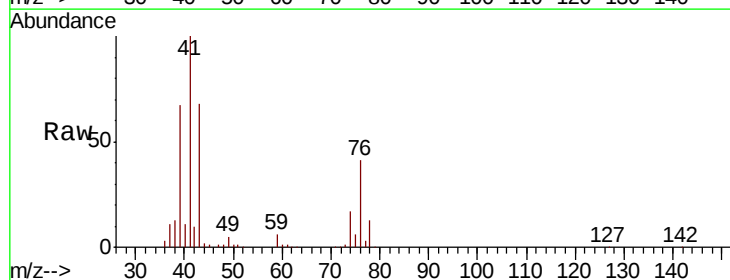
Tgt Ion: 41 Resp: 461264

Ion Ratio Lower Upper

41 100

39 61.8 50.9 76.3

76 36.2 29.0 43.4





#15

Acrylonitrile

Concen: 784.283 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

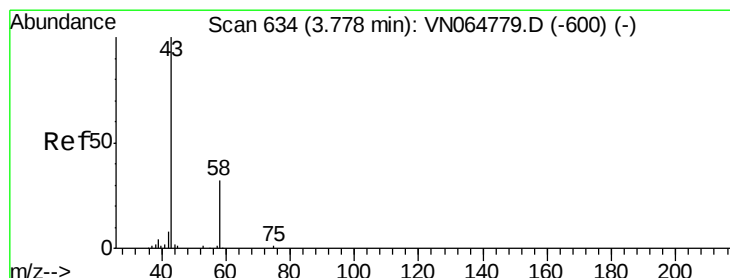
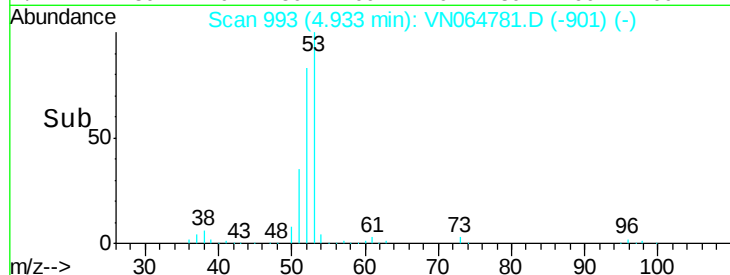
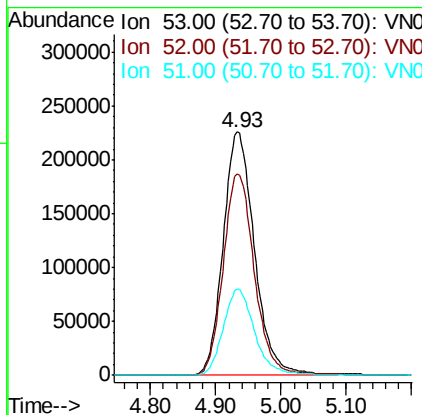
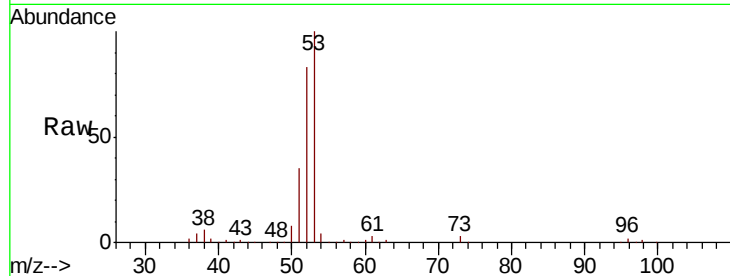
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	752168
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.5	98.3
51	35.7	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:15 PM



#16

Acetone

Concen: 659.768 ug/l

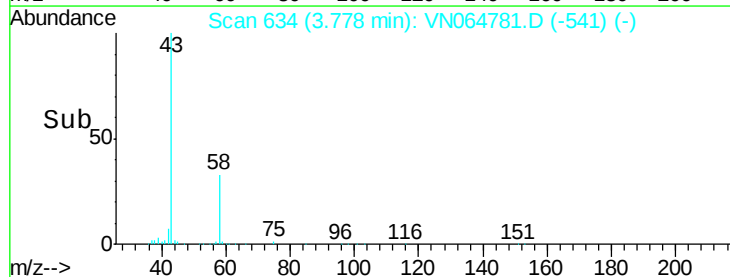
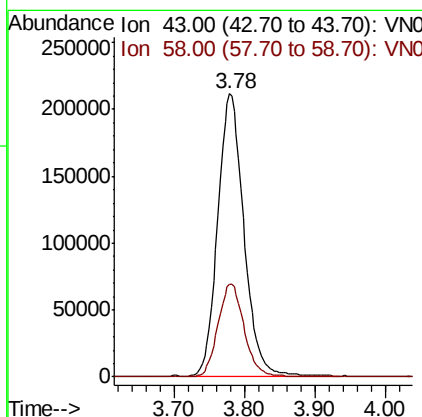
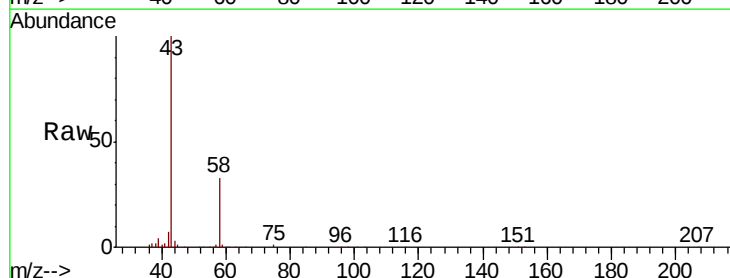
RT: 3.78 min Scan# 634

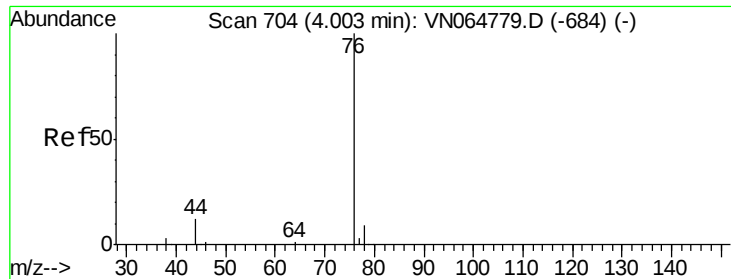
Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Tgt Ion:	43	Resp:	542812
Ion	Ratio	Lower	Upper
43	100		
58	33.0	25.7	38.5





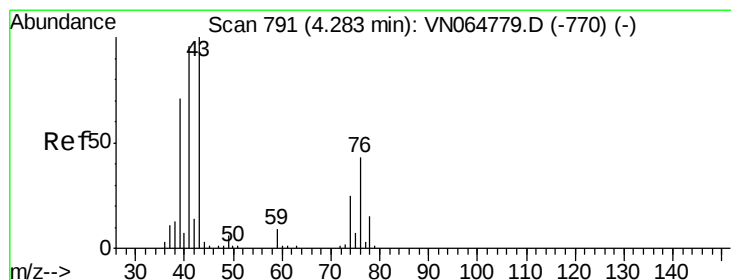
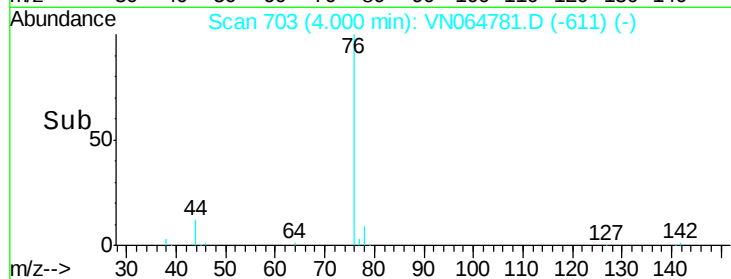
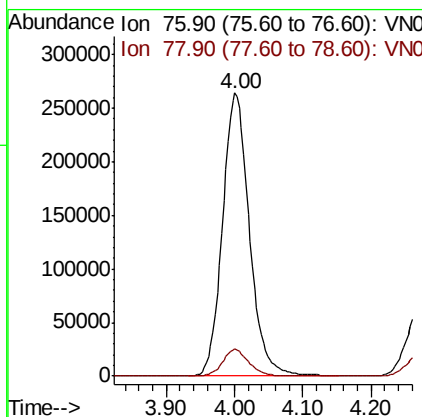
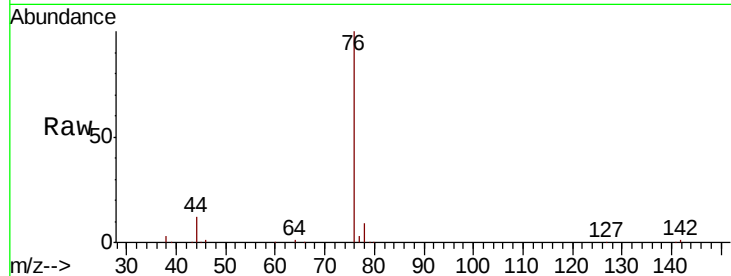
#17
Carbon Disulfide
Concen: 116.469 ug/l
RT: 4.00 min Scan# 703
Delta R.T. -0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

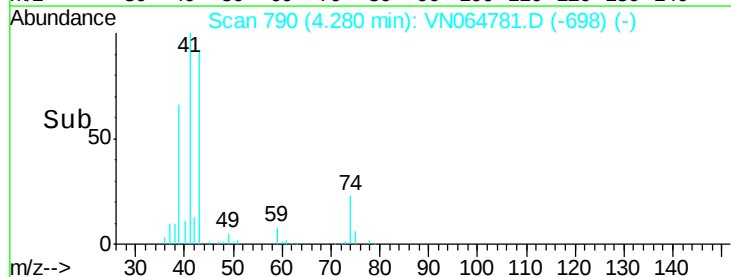
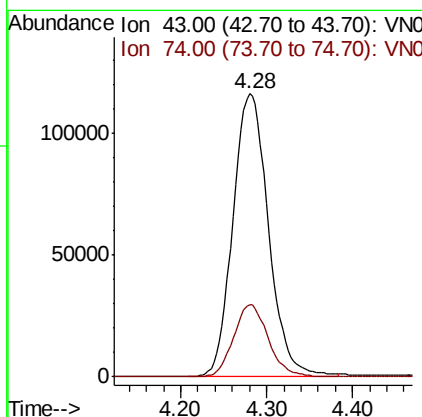
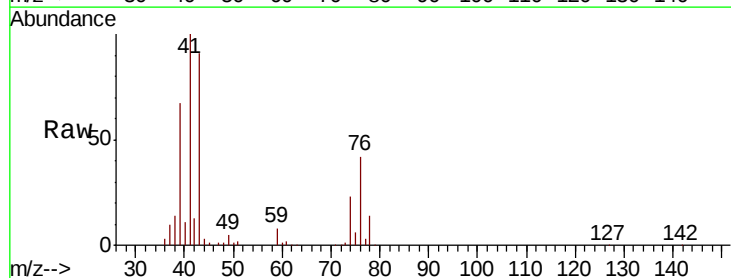
Manual Integrations
APPROVED

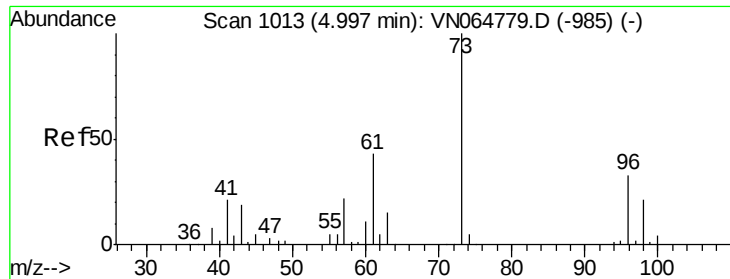
MMDadoda
11/24/2020 3:01:15 PM



#18
Methyl Acetate
Concen: 132.828 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	20.2	30.2





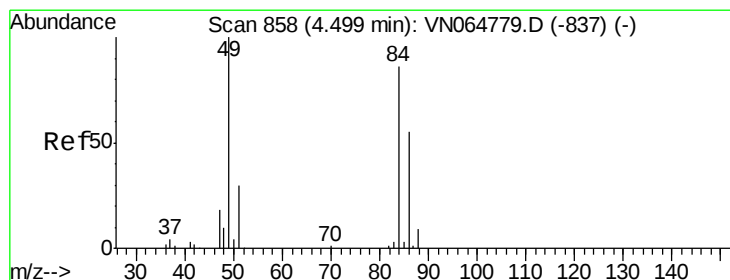
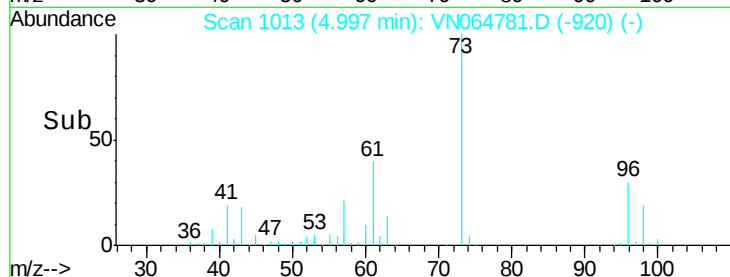
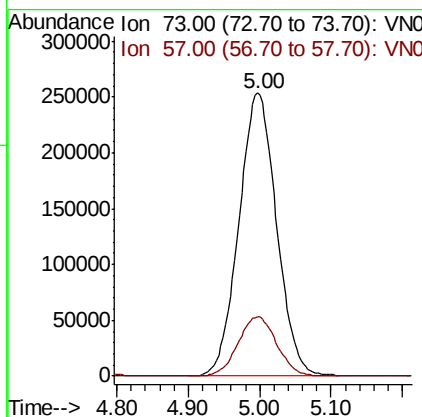
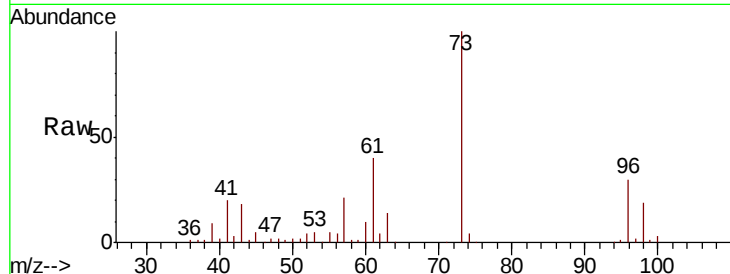
#19
Methvl tert-butvl Ether
Concen: 138.914 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 930048
Ion Ratio Lower Upper
73 100
57 21.1 17.4 26.0

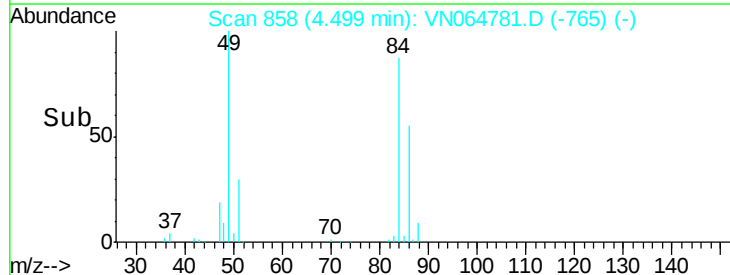
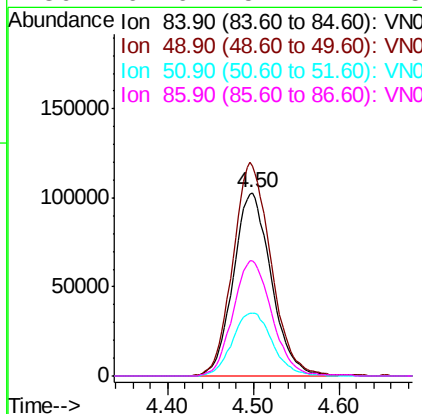
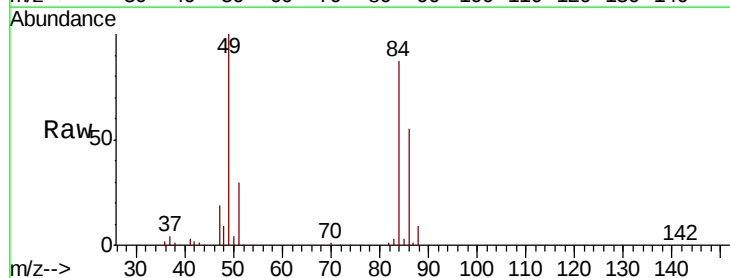
Manual Integrations
APPROVED

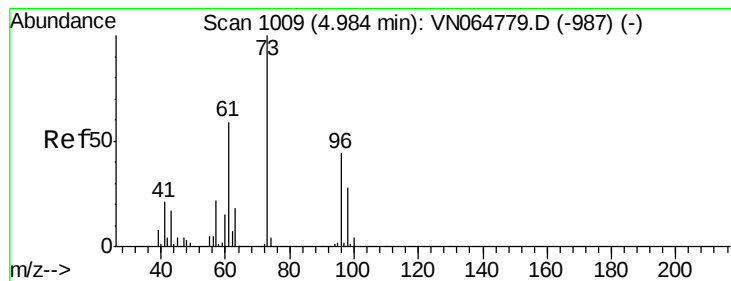
MMDadoda
11/24/2020 3:01:15 PM



#20
Methylene Chloride
Concen: 129.282 ug/l
RT: 4.50 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Tgt Ion: 84 Resp: 316040
Ion Ratio Lower Upper
84 100
49 114.5 93.4 140.0
51 34.4 28.2 42.4
86 62.6 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 131.642 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 296038

Ion Ratio Lower Upper

96 100

61 137.4 108.4 162.6

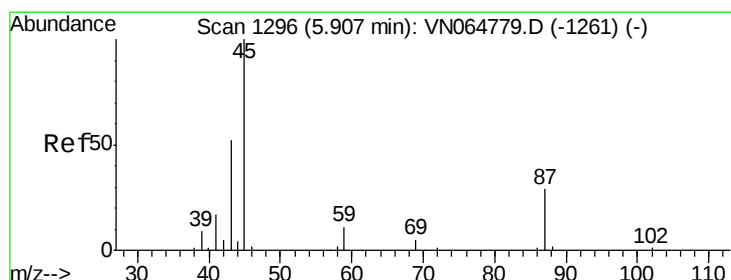
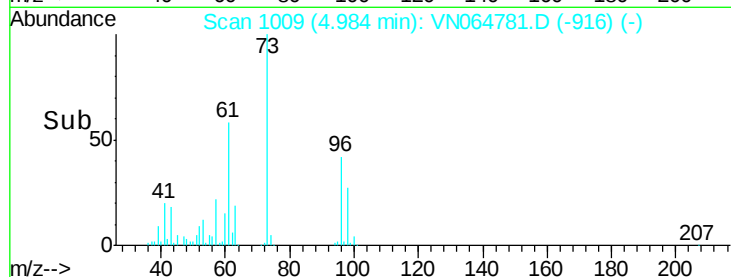
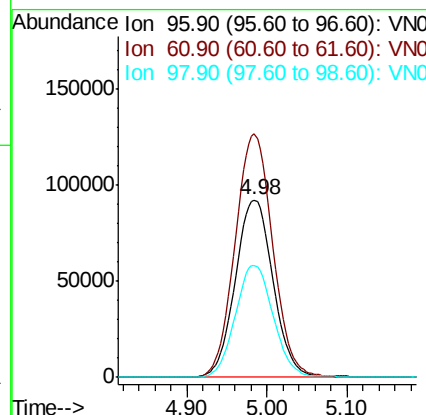
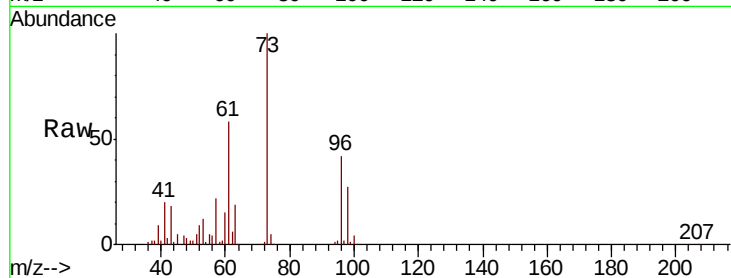
98 63.3 51.3 76.9

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:15 PM



#22

Diisopropyl ether

Concen: 130.010 ug/l

RT: 5.91 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Tgt Ion: 45 Resp: 938353

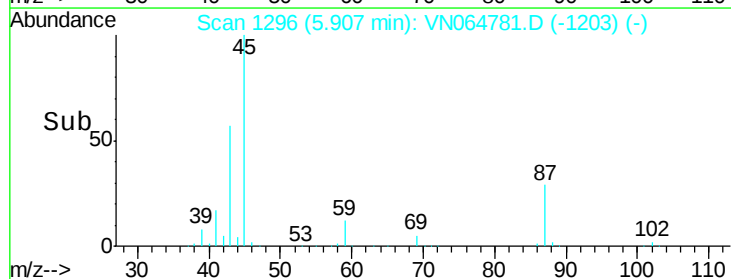
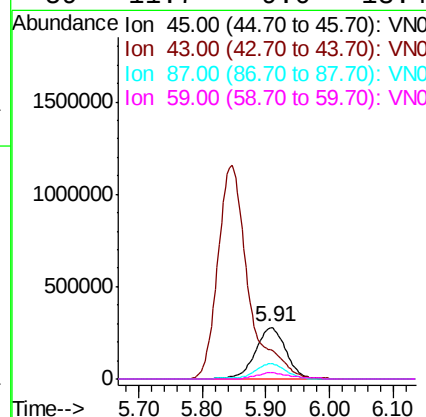
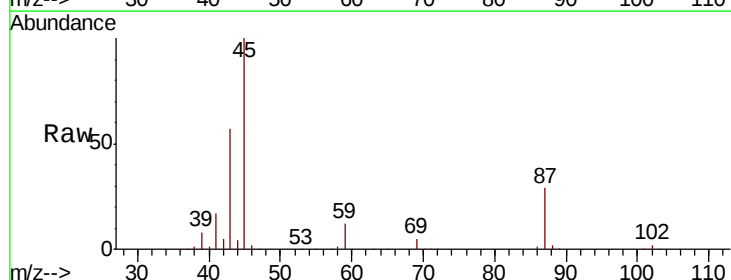
Ion Ratio Lower Upper

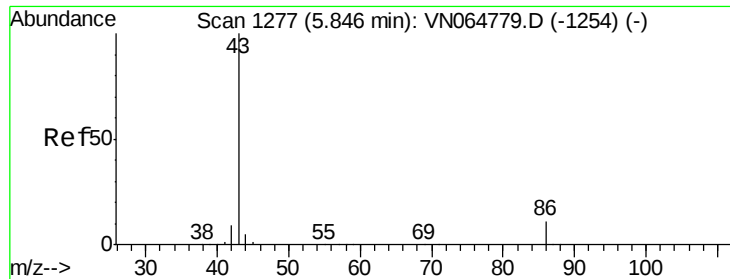
45 100

43 55.5 46.2 69.2

87 29.3 24.1 36.1

59 11.7 9.0 13.4





#23

Vinyl Acetate

Concen: 665.072 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3864091

Ion Ratio Lower Upper

43 100

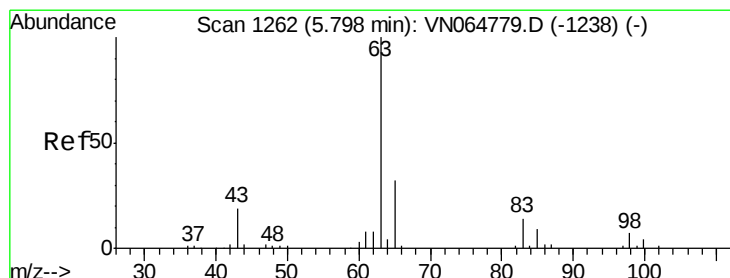
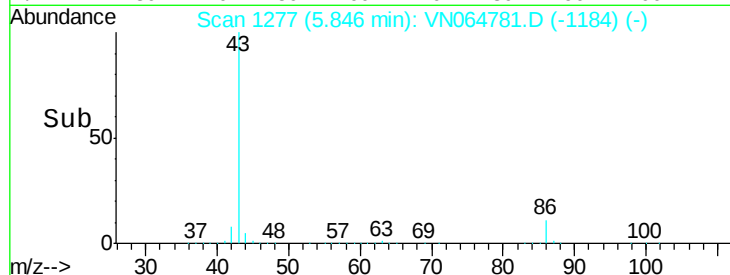
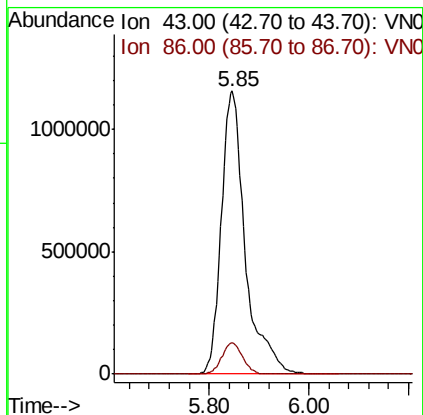
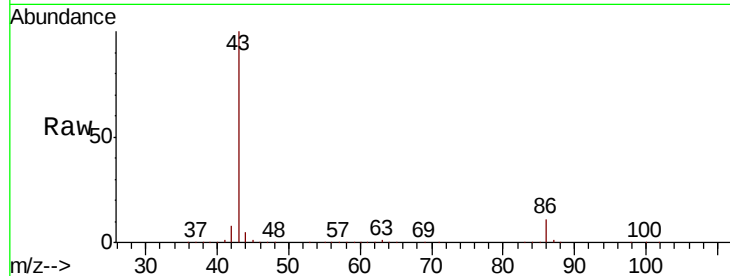
86 11.0 8.9 13.3

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:15 PM



#24

1,1-Dichloroethane

Concen: 128.556 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

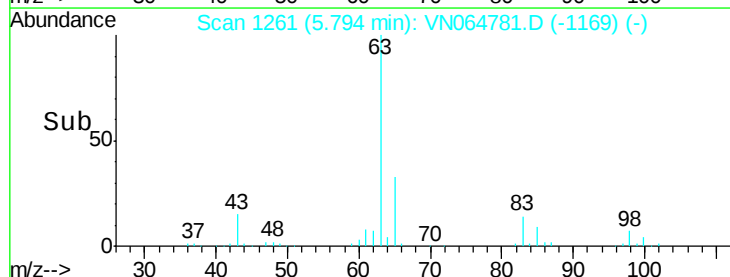
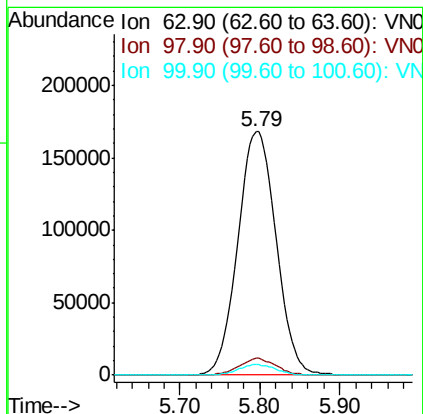
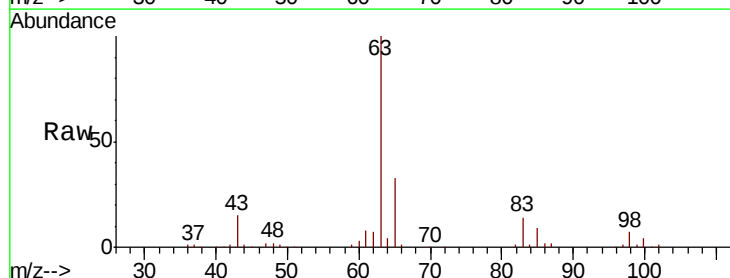
Tgt Ion: 63 Resp: 546520

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 4.3 2.3 6.8





#25

2-Butanone

Concen: 739.253 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 941589

Ion Ratio Lower Upper

43 100

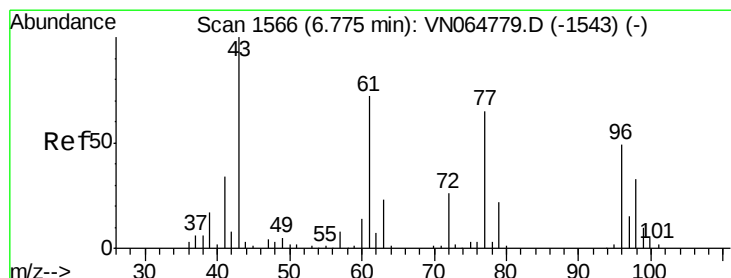
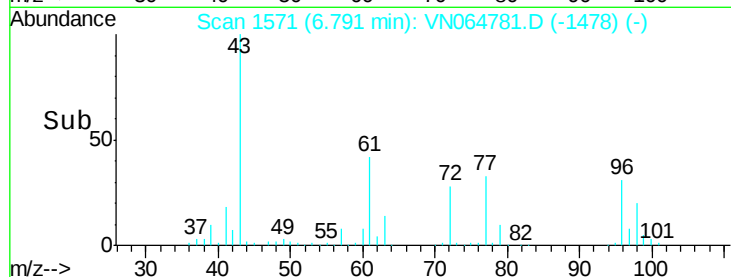
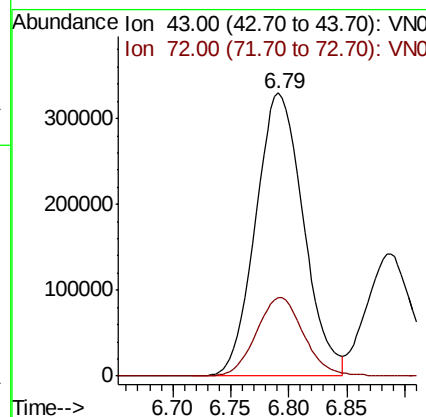
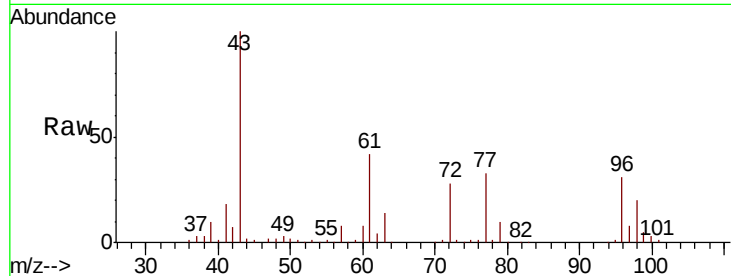
72 27.8 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:15 PM



#26

2,2-Dichloropropane

Concen: 115.821 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064781.D

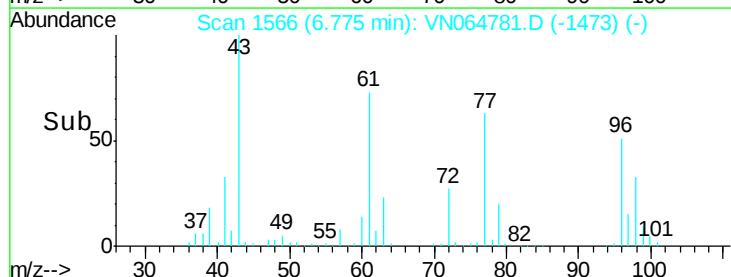
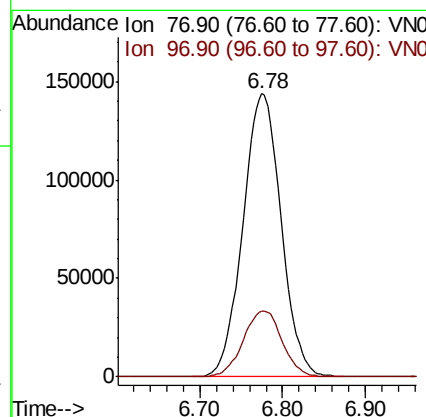
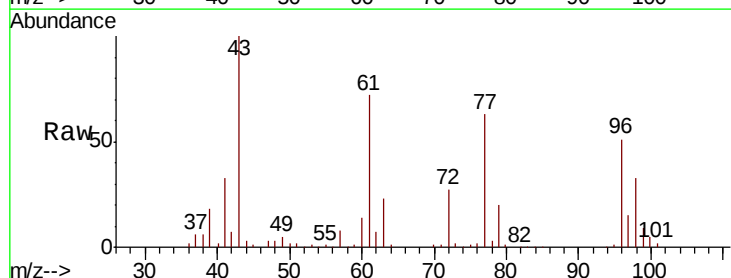
Acq: 23 Nov 2020 13:30

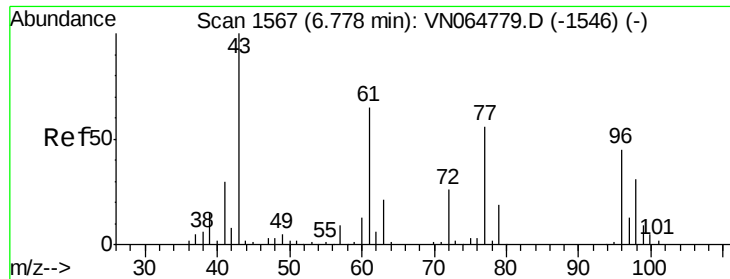
Tgt Ion: 77 Resp: 459978

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0





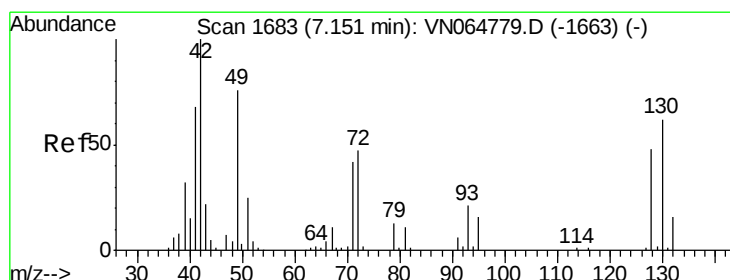
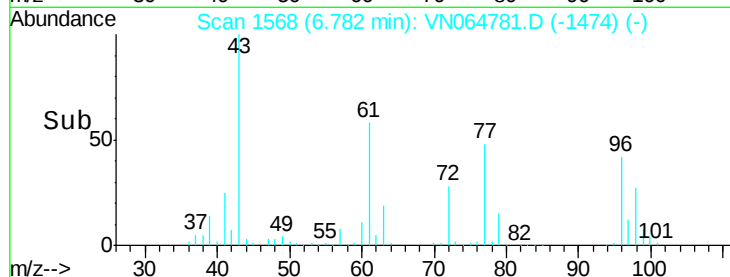
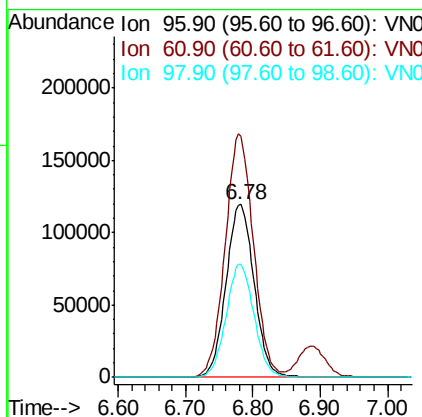
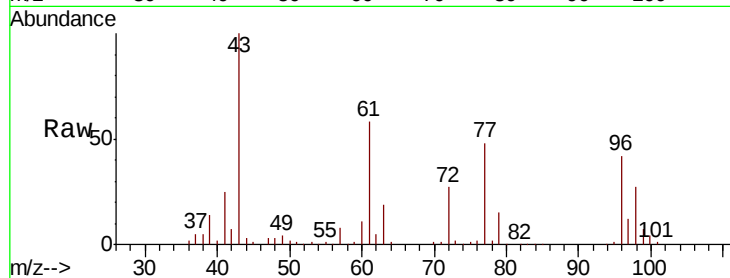
#27
 cis-1,2-Dichloroethene
 Concen: 139.783 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064781.D
 Acq: 23 Nov 2020 13:30

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	347304		
61	141.5	0.0	285.8	
98	65.0	0.0	130.6	

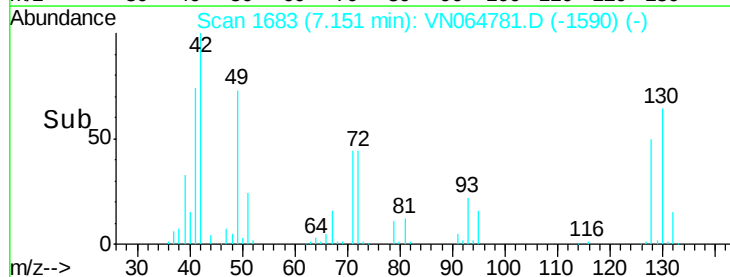
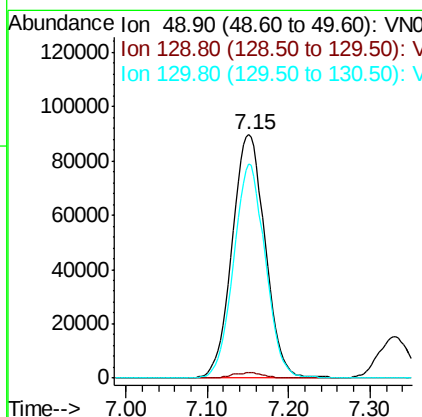
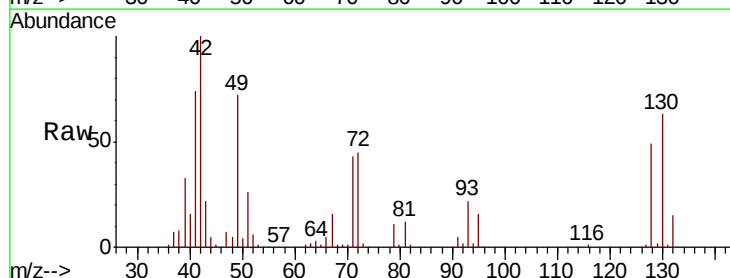
Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 3:01:15 PM



#28
 Bromochloromethane
 Concen: 118.601 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN064781.D
 Acq: 23 Nov 2020 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	252476		
129	2.1	0.0	3.8	
130	84.5	66.2	99.2	





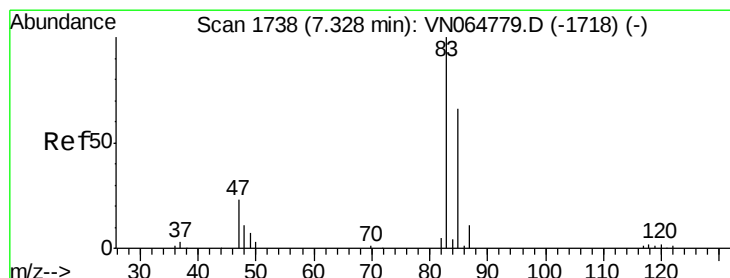
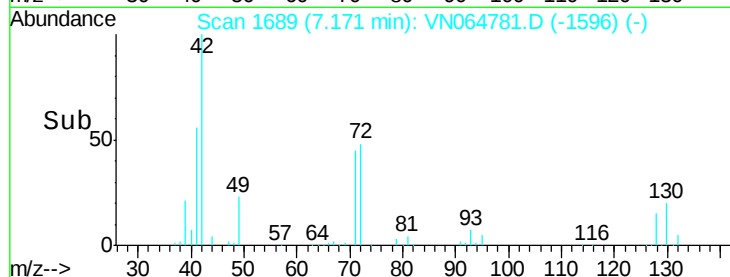
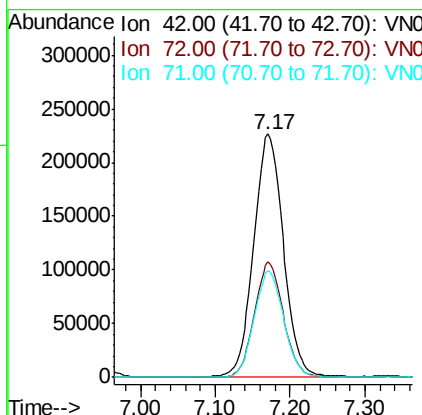
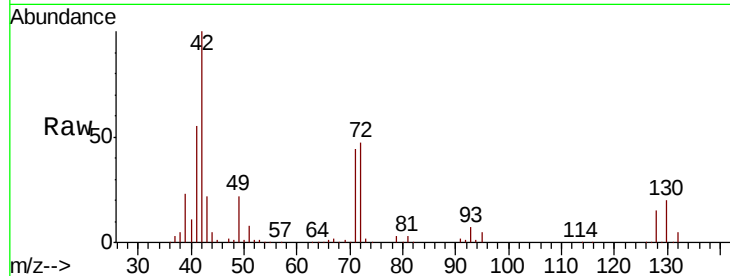
#29
Tetrahydrofuran
Concen: 734.974 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	36.6	54.8
71	43.4	33.6	50.4

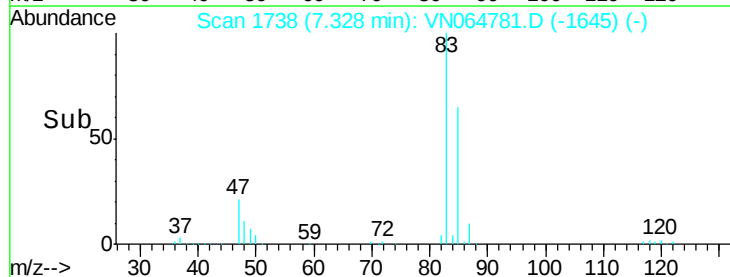
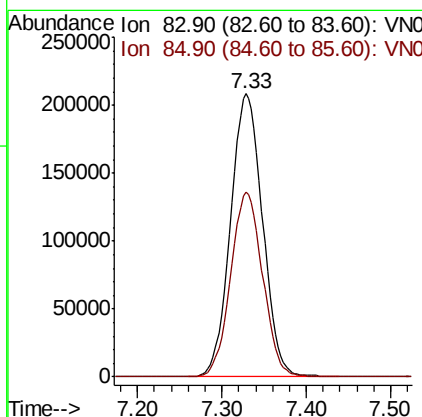
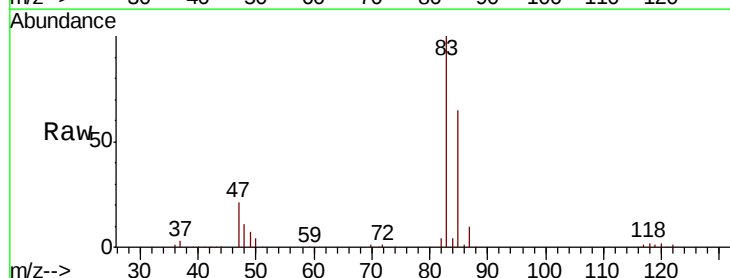
Manual Integrations
APPROVED

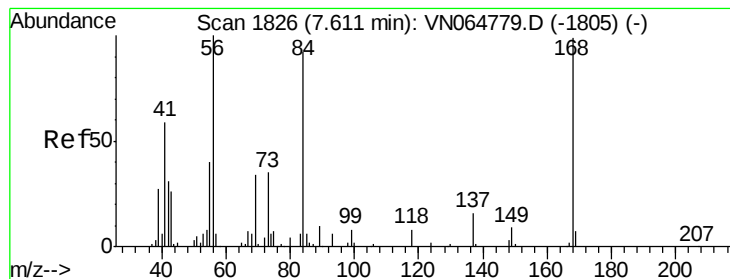
MMDadoda
11/24/2020 3:01:15 PM



#30
Chloroform
Concen: 120.495 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.6	78.8





#31

Cyclohexane

Concen: 127.036 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 448926

Ion Ratio Lower Upper

56 100

69 31.5 27.5 41.3

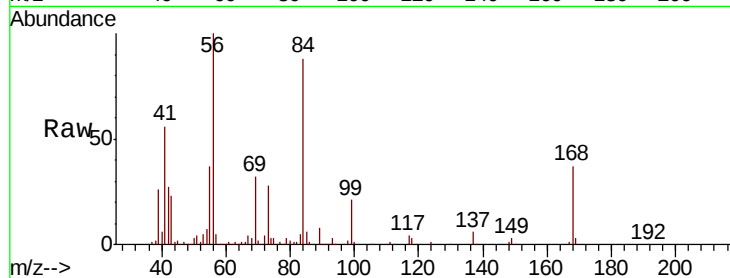
84 87.2 73.9 110.9

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:15 PM

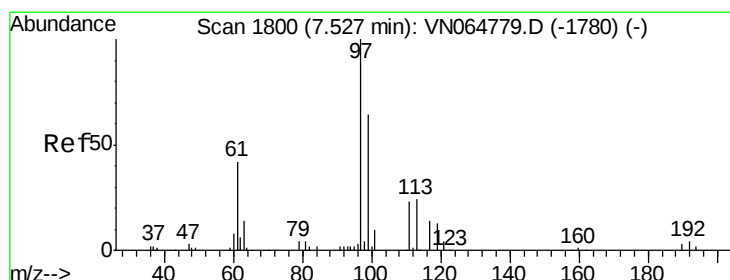
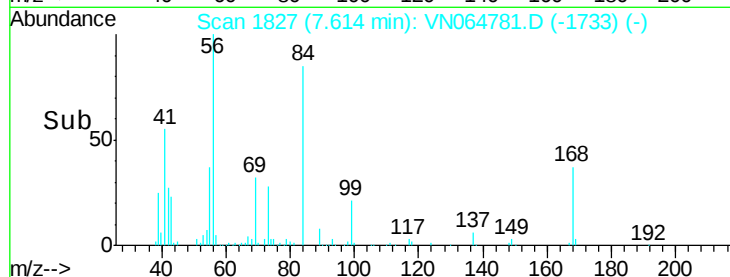
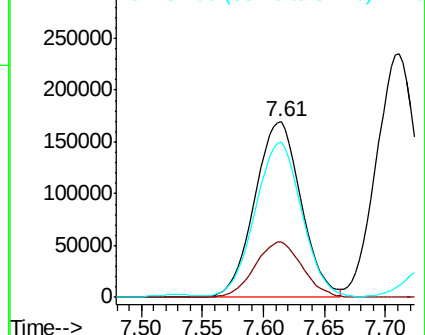


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 115.809 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

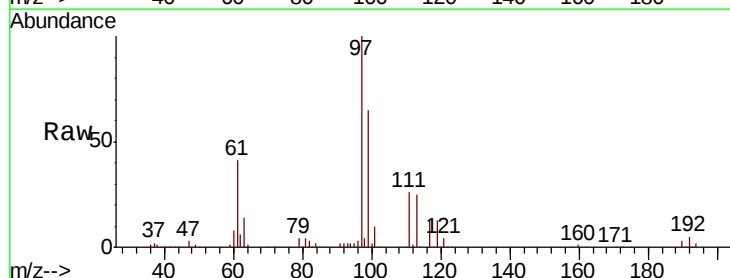
Tgt Ion: 97 Resp: 481589

Ion Ratio Lower Upper

97 100

99 64.4 51.7 77.5

61 41.2 33.9 50.9

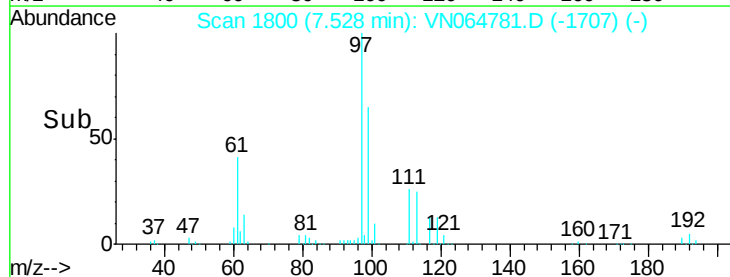
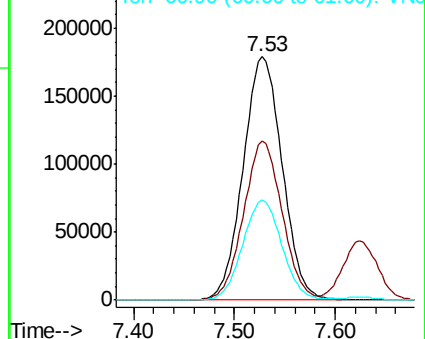


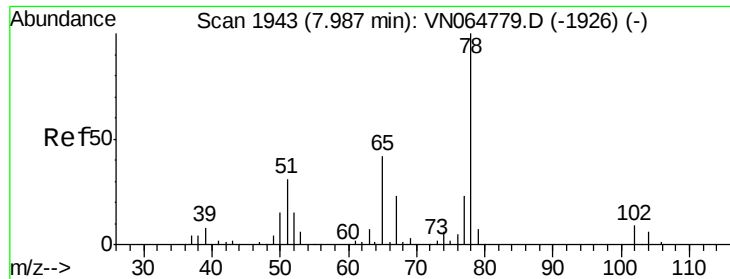
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 109.427 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 345245

Ion Ratio Lower Upper

65 100

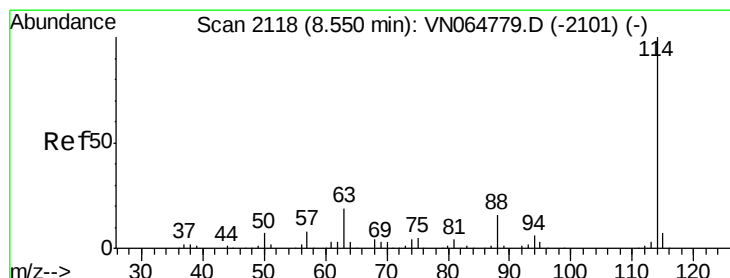
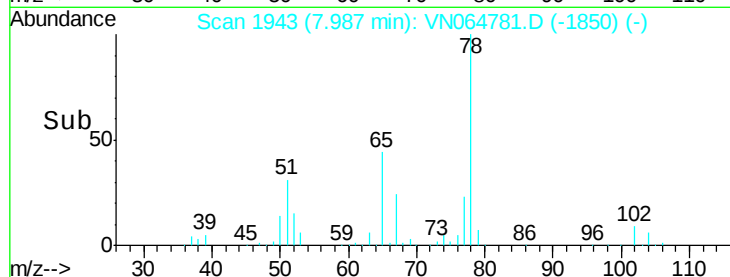
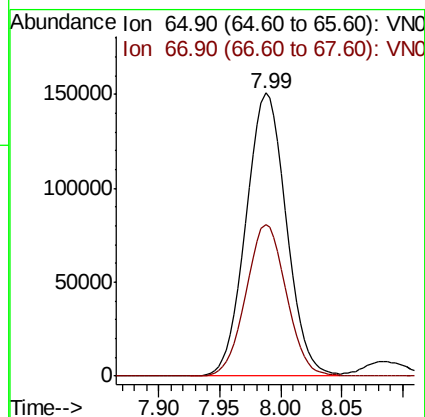
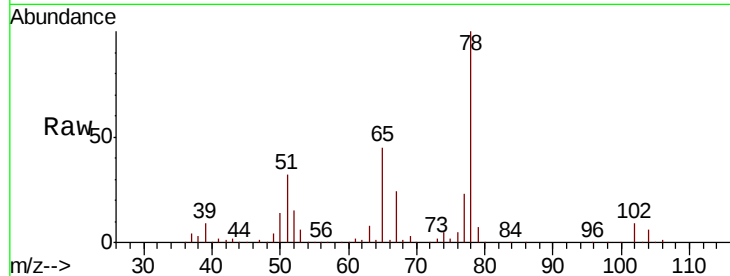
67 53.7 0.0 108.2

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:15 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

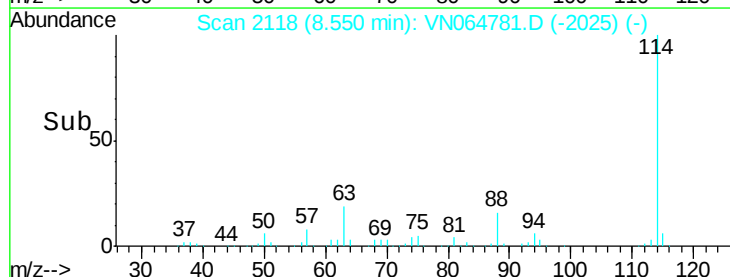
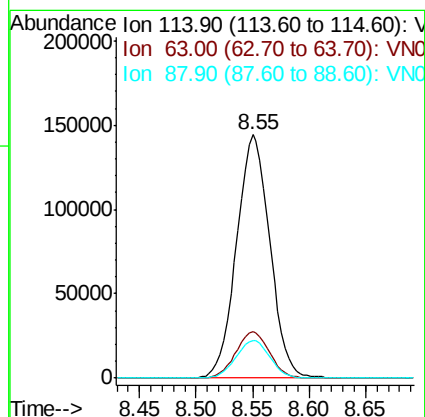
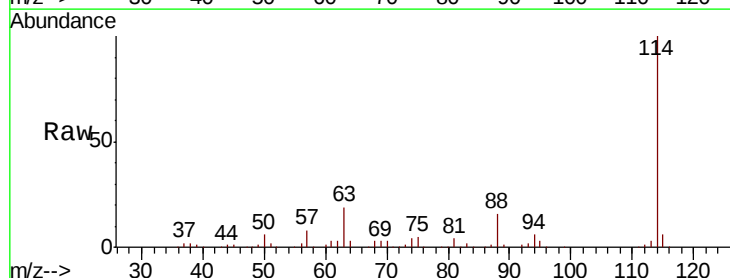
Tgt Ion: 114 Resp: 296752

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.6

88 15.6 0.0 32.6





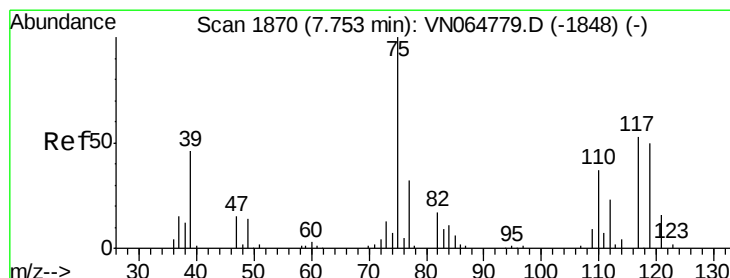
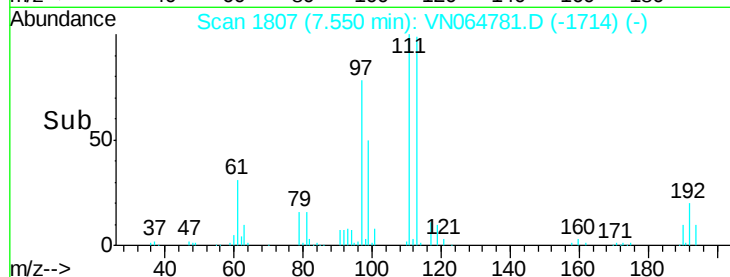
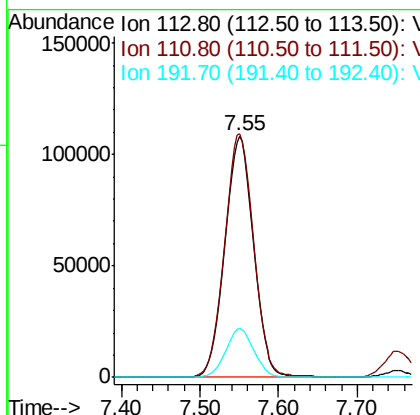
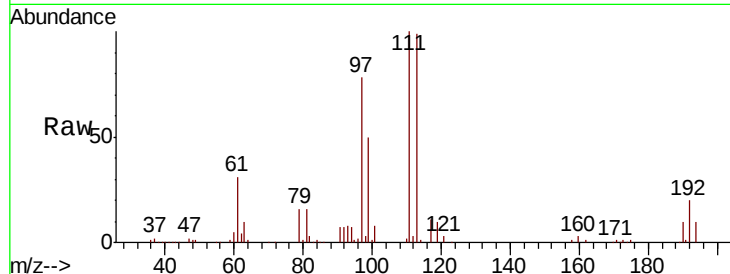
#35
 Dibromofluoromethane
 Concen: 159.923 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064781.D
 Acq: 23 Nov 2020 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	272468		
111	102.4	81.6	122.4	
192	20.0	16.2	24.2	

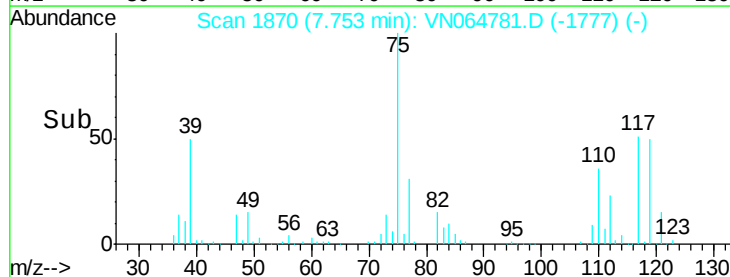
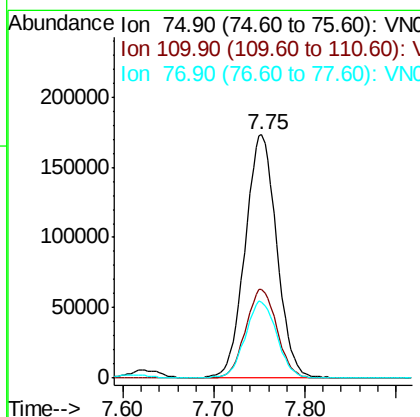
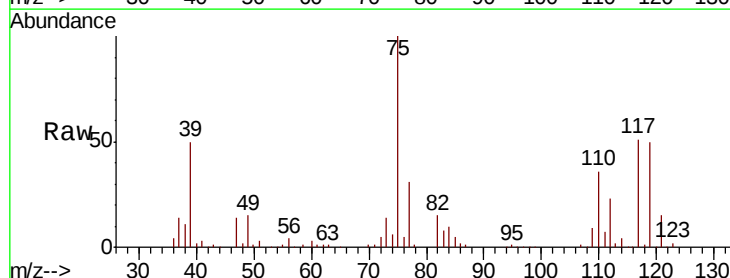
Manual Integrations
 APPROVED

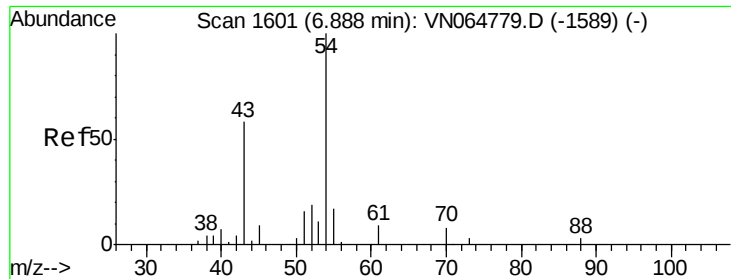
MMDadoda
 11/24/2020 3:01:15 PM



#36
 1,1-Dichloropropene
 Concen: 139.188 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064781.D
 Acq: 23 Nov 2020 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	416795		
110	36.3	17.8	53.3	
77	31.8	25.0	37.4	





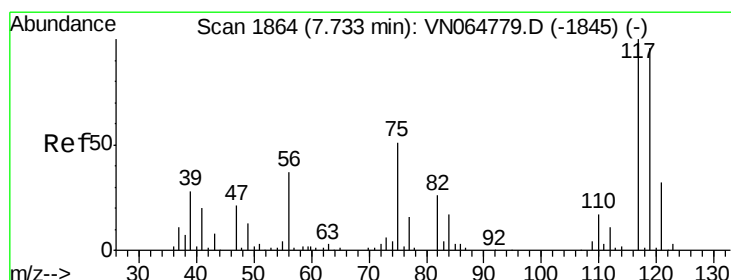
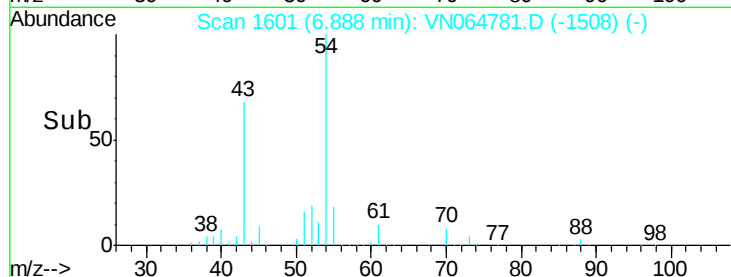
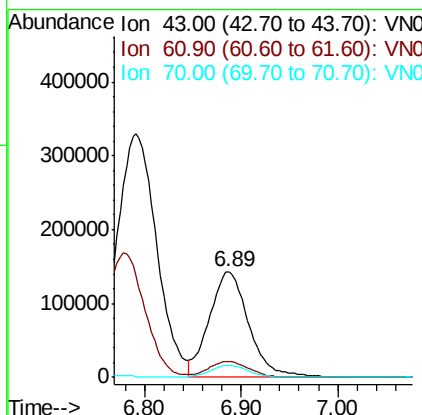
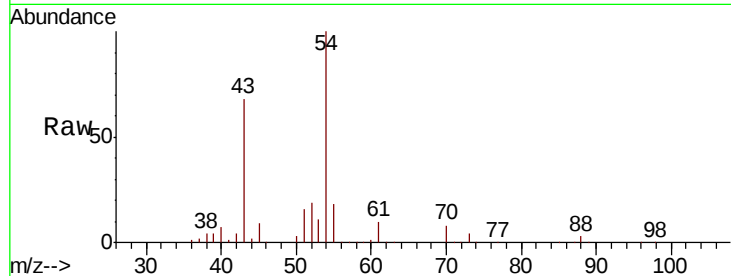
#37
Ethyl Acetate
Concen: 157.048 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.8	19.2
70	11.2	8.8	13.2

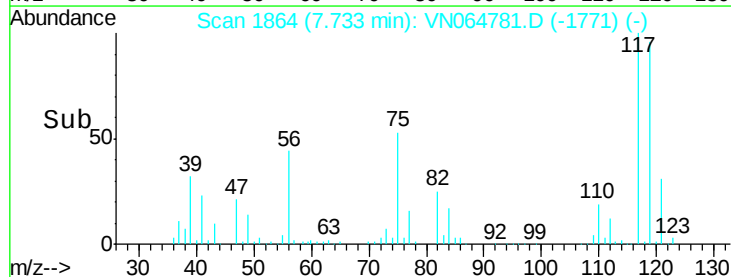
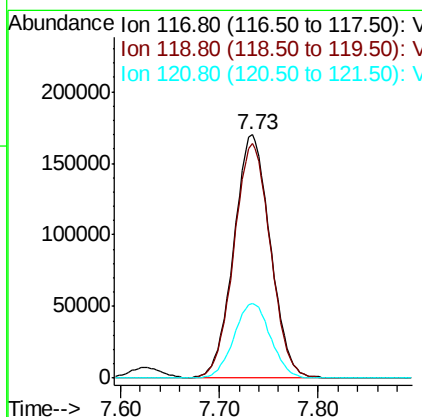
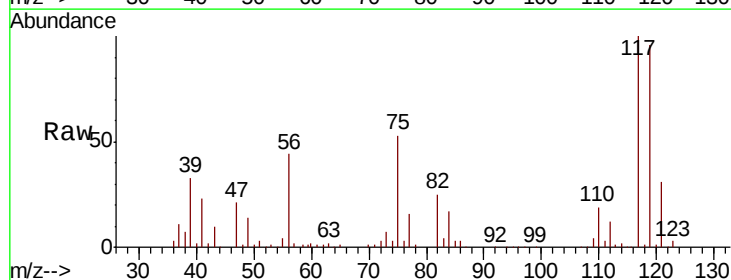
Manual Integrations
APPROVED

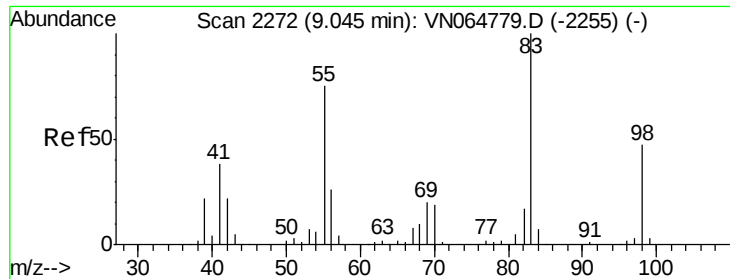
MMDadoda
11/24/2020 3:01:15 PM



#38
Carbon Tetrachloride
Concen: 137.838 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.7	115.1
121	30.8	25.4	38.2





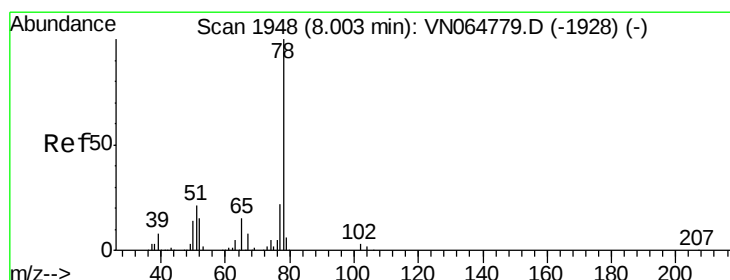
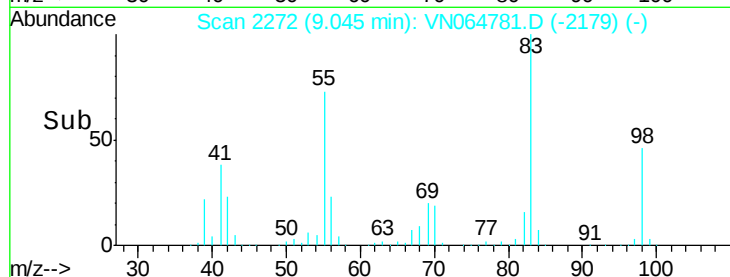
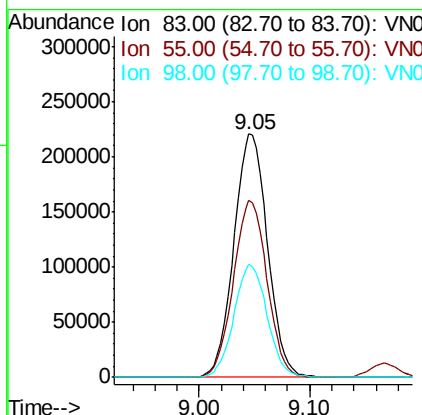
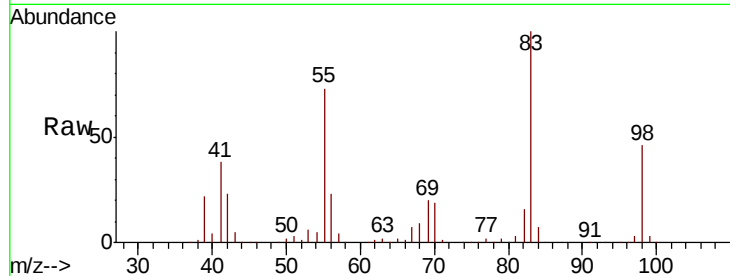
#39
Methvlcvclohexane
Concen: 170.367 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.5	60.2	90.2
98	46.2	37.4	56.2

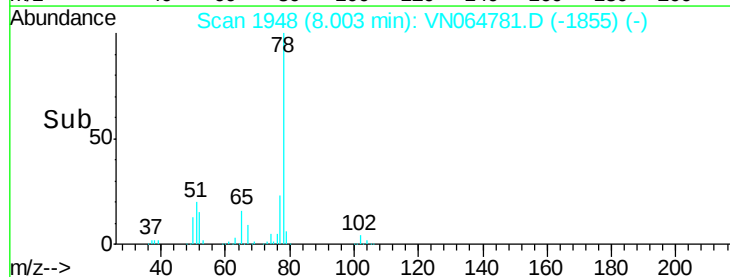
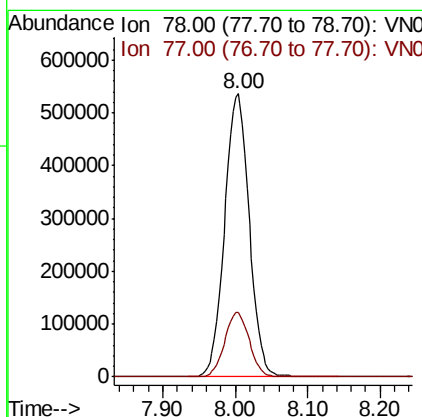
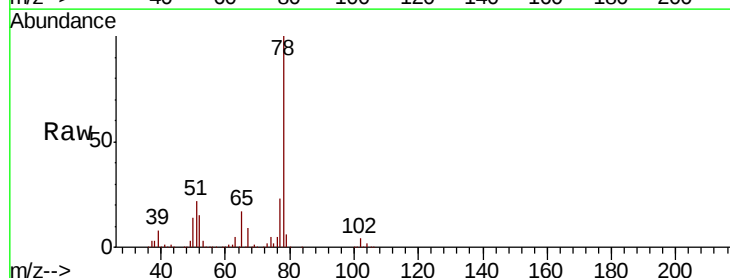
Manual Integrations
APPROVED

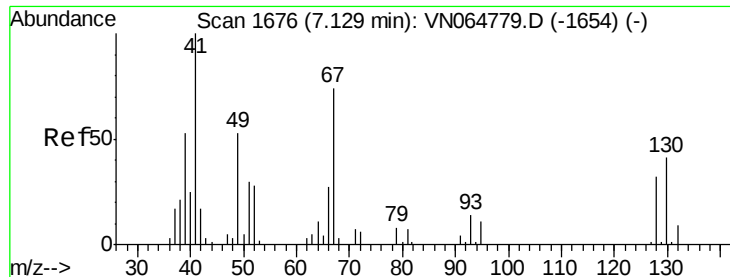
MMDadoda
11/24/2020 3:01:15 PM



#40
Benzene
Concen: 149.912 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	17.9	26.9





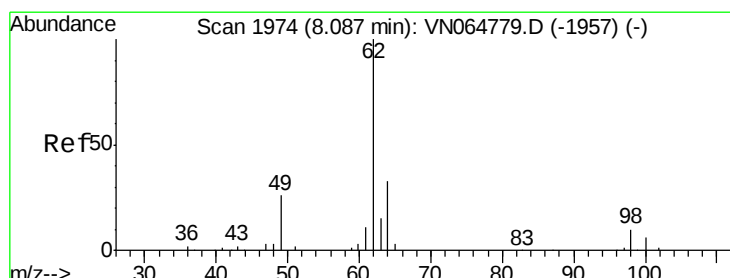
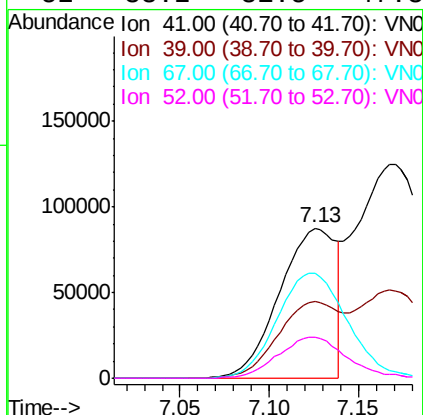
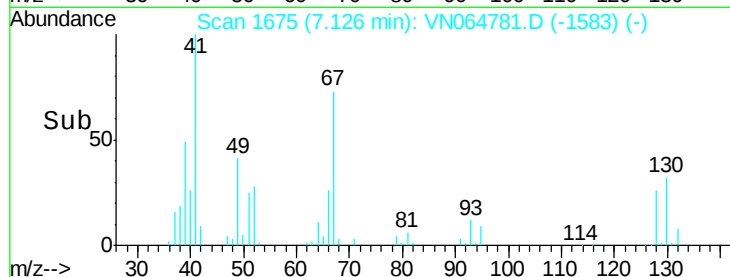
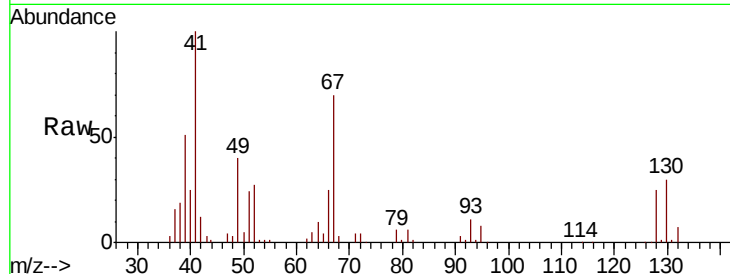
#41
Methacrylonitrile
Concen: 167.364 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.6	51.0	76.6	
67	87.6	79.8	119.8	
52	33.2	31.5	47.3	

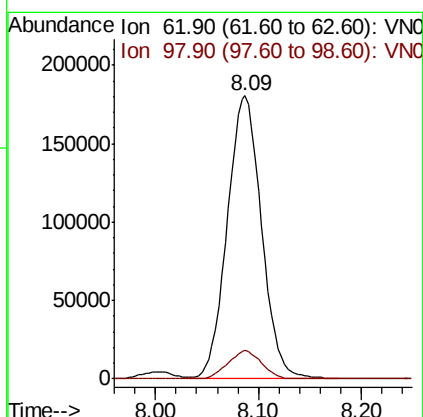
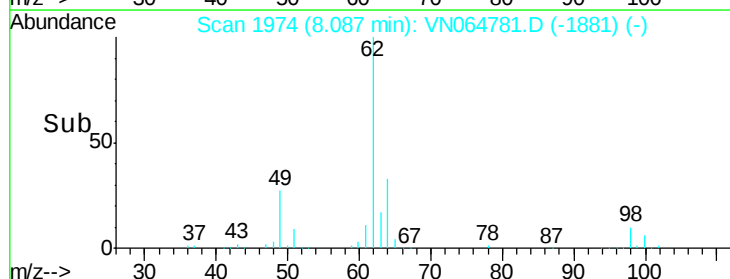
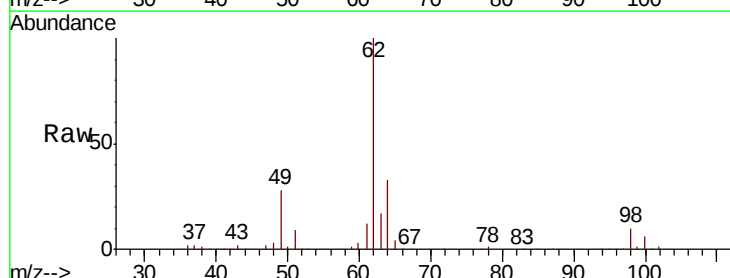
Manual Integrations
APPROVED

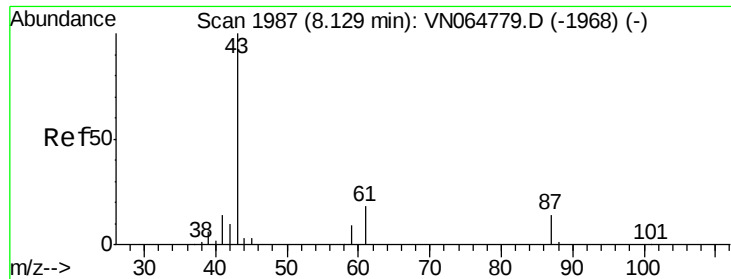
MMDadoda
11/24/2020 3:01:15 PM



#42
1,2-Dichloroethane
Concen: 118.579 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	19.6	





#43

Isopropyl Acetate

Concen: 137.621 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

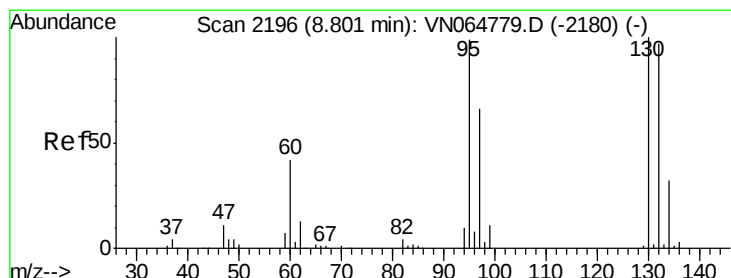
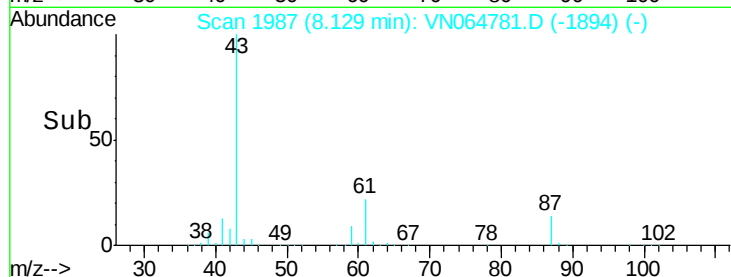
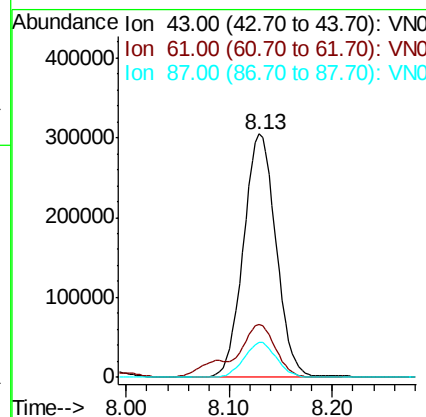
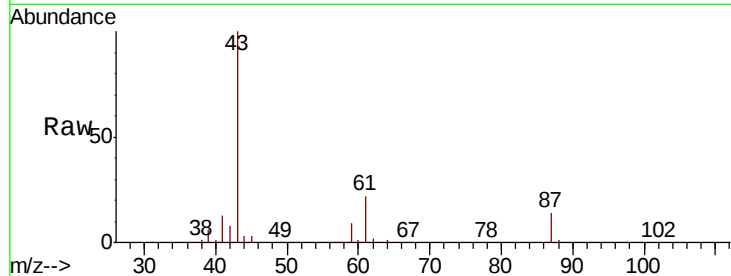
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	667544
Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.2	25.8
87	14.2	11.4	17.0

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:15 PM



#44

Trichloroethene

Concen: 147.594 ug/l

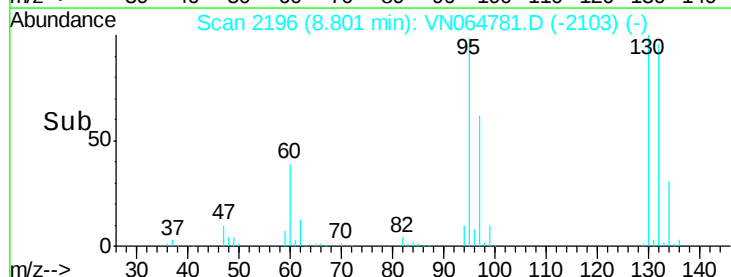
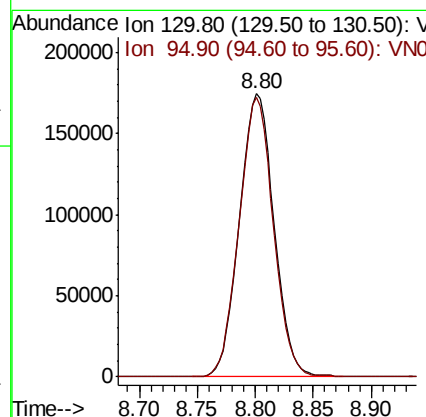
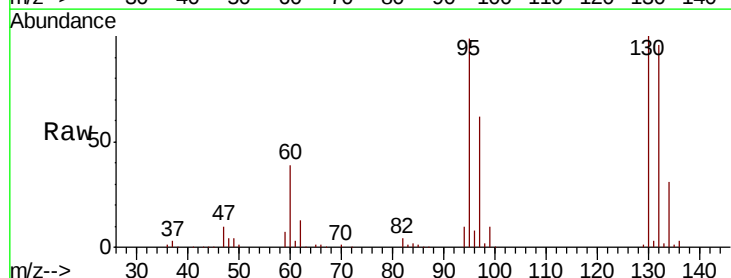
RT: 8.80 min Scan# 2196

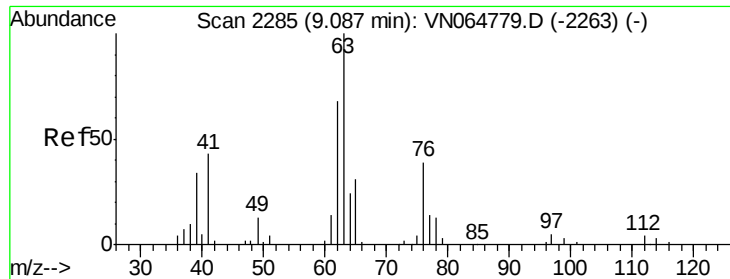
Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Tgt Ion:	130	Resp:	361279
Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	197.8





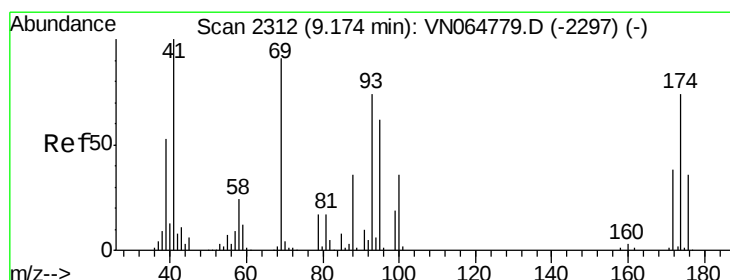
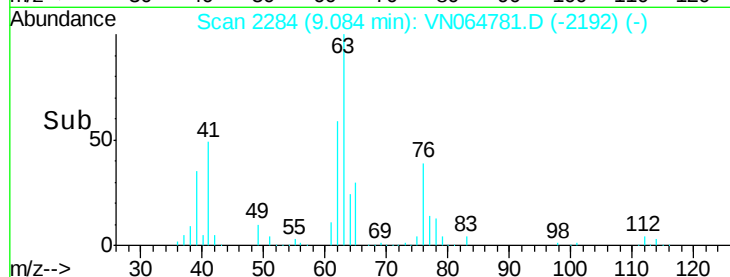
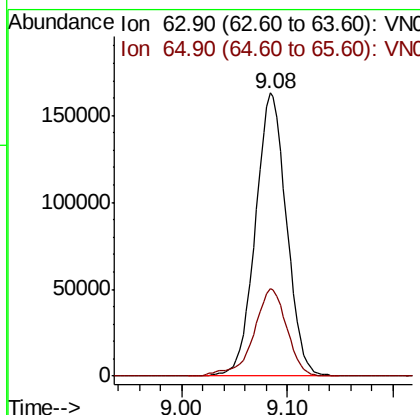
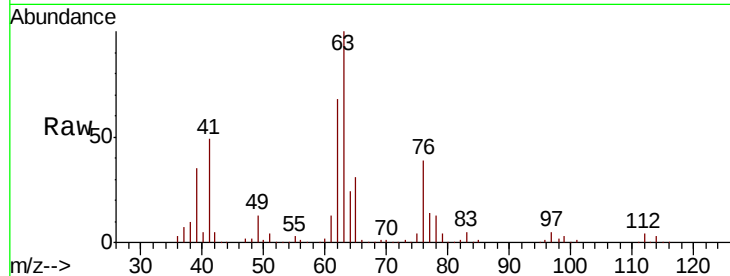
#45
 1,2-Dichloropropane
 Concen: 149.632 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064781.D
 Acq: 23 Nov 2020 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.0	37.4

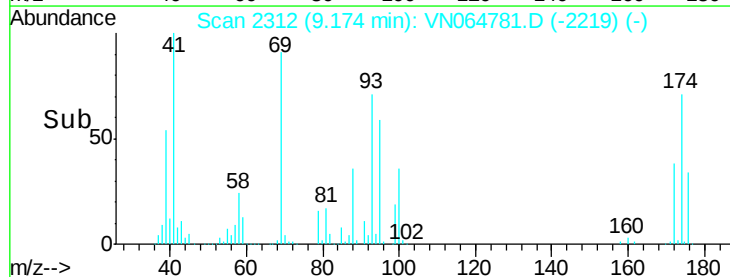
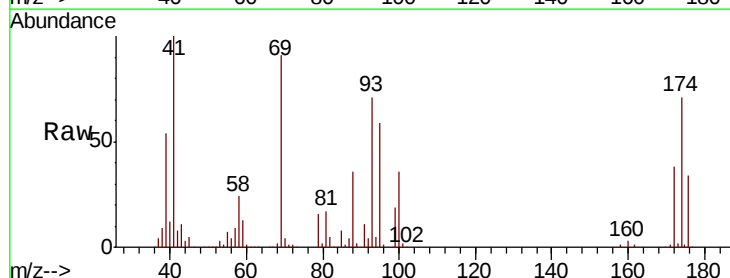
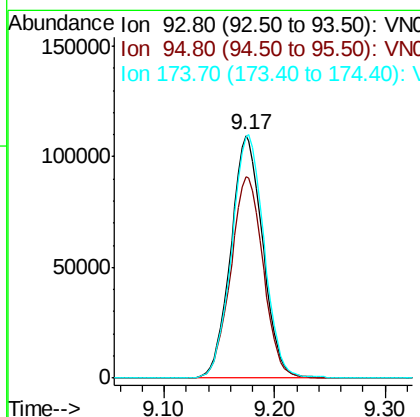
Manual Integrations
 APPROVED

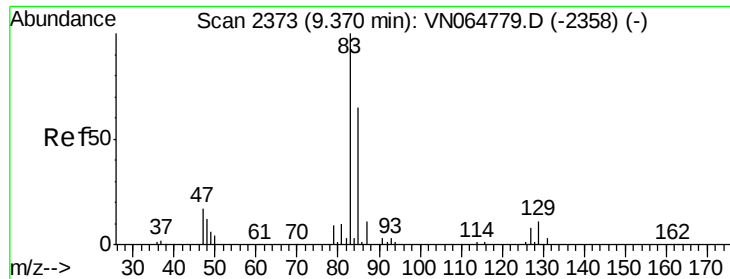
MMDadoda
 11/24/2020 3:01:15 PM



#46
 Dibromomethane
 Concen: 139.947 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064781.D
 Acq: 23 Nov 2020 13:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	68.8	103.2
174	101.9	83.1	124.7





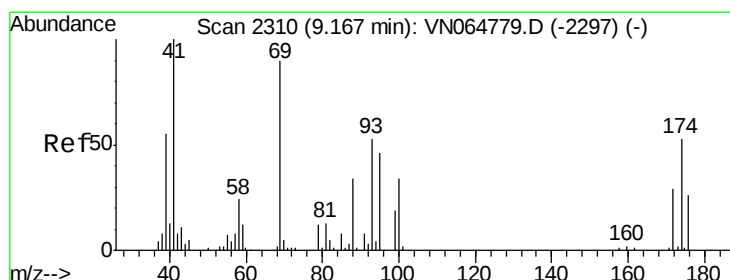
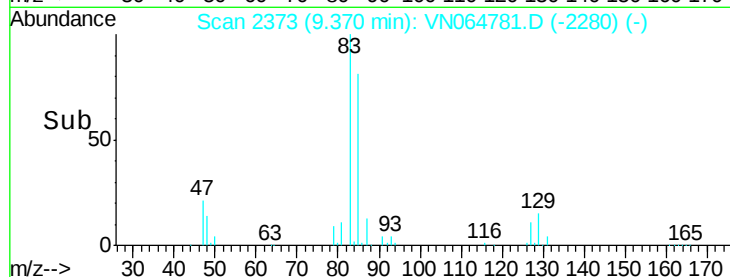
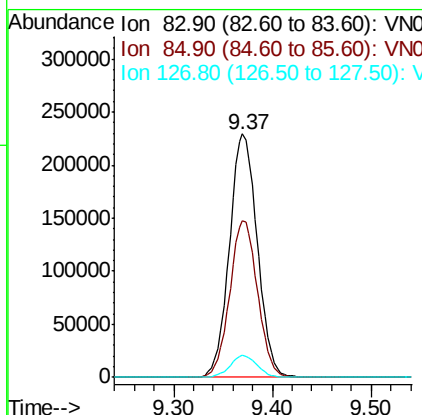
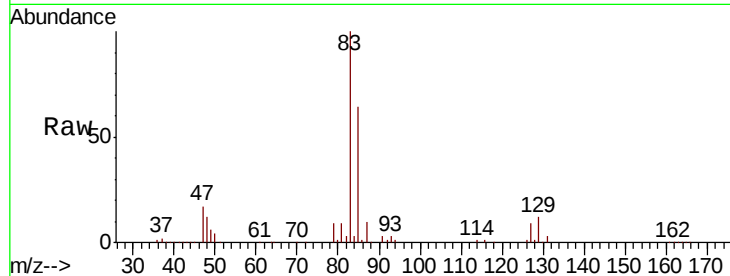
#47
Bromodichloromethane
Concen: 137.562 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	451824
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	51.8	77.8
127	8.9	6.8	10.2

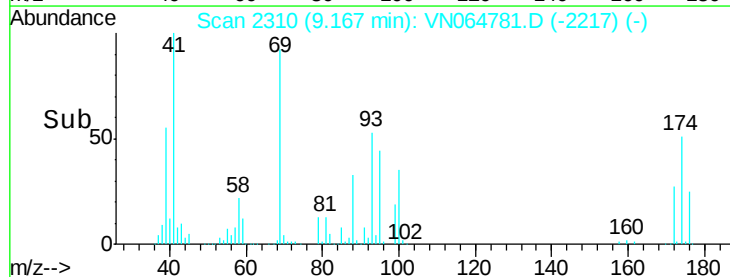
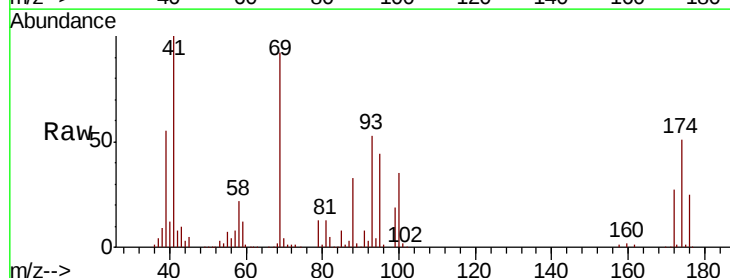
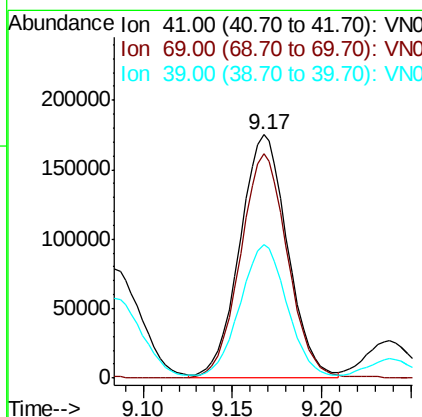
Manual Integrations
APPROVED

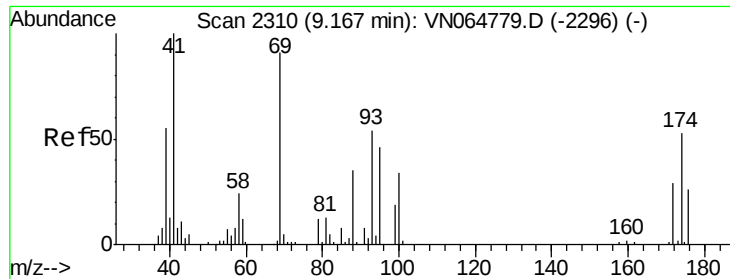
MMDadoda
11/24/2020 3:01:15 PM



#48
Methyl methacrylate
Concen: 143.887 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Tgt Ion	41	Resp	328187
Ion Ratio	100	Lower	Upper
41	100		
69	90.9	71.8	107.8
39	54.3	44.1	66.1





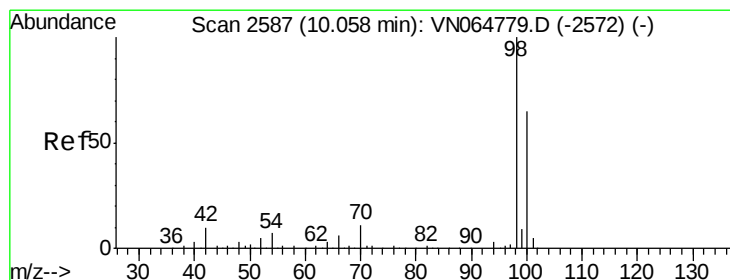
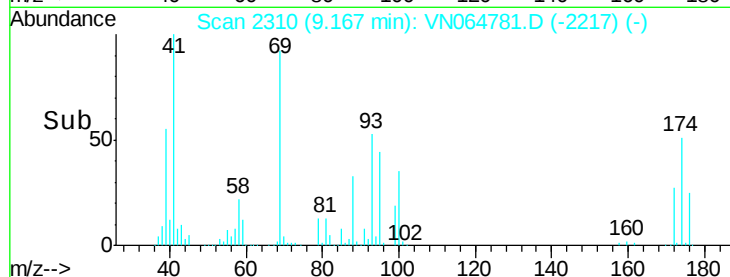
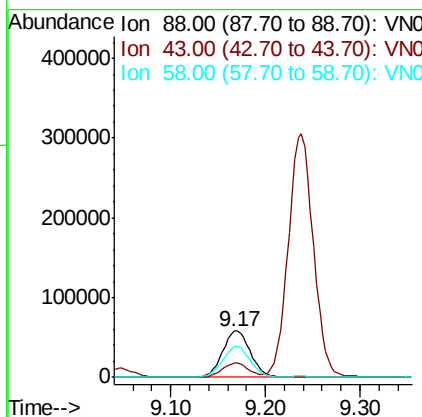
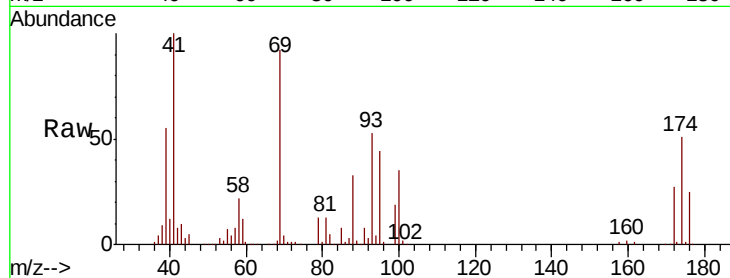
#49
1,4-Dioxane
Concen: 3853.907 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.0	24.2	36.4
58	66.5	52.5	78.7

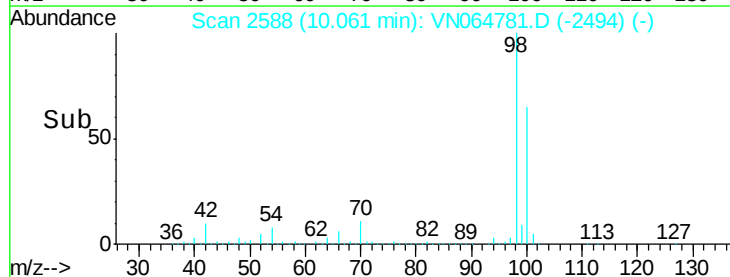
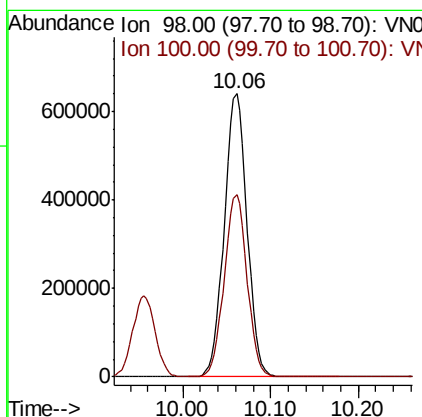
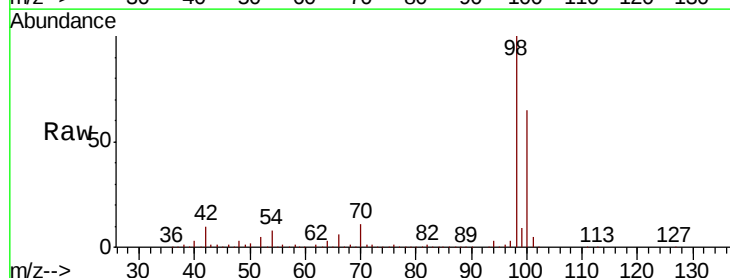
Manual Integrations
APPROVED

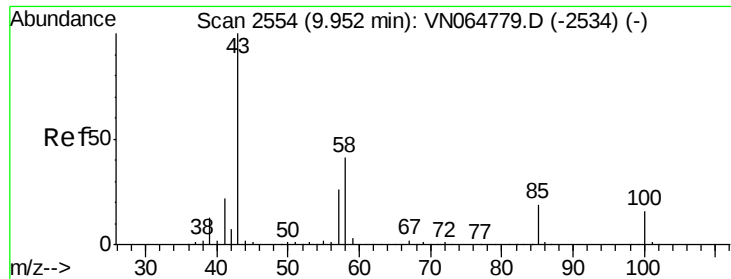
MMDadoda
11/24/2020 3:01:15 PM



#50
Toluene-d8
Concen: 152.762 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 768.044 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2028075

Ion Ratio Lower Upper

43 100

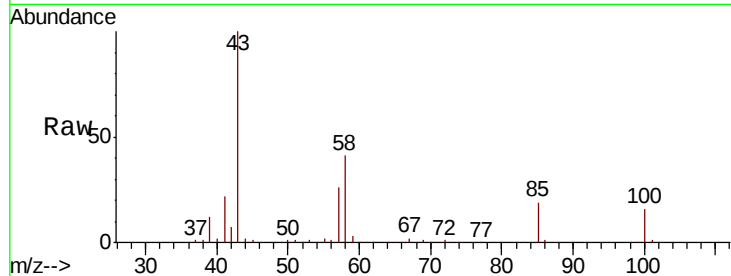
58 40.8 32.4 48.6

Manual Integrations

APPROVED

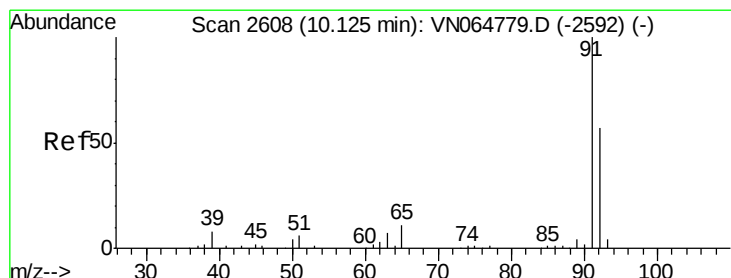
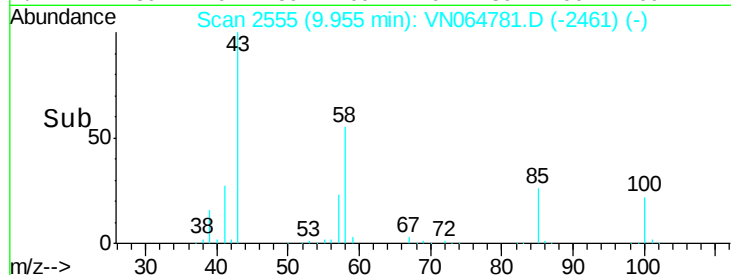
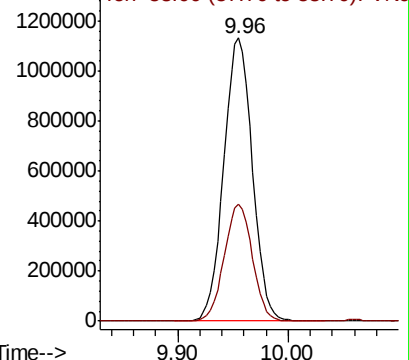
MMDadoda

11/24/2020 3:01:15 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 153.796 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064781.D

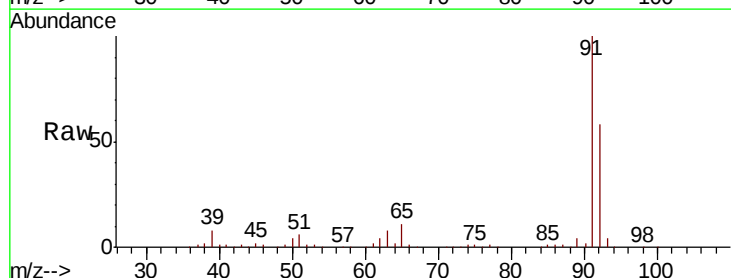
Acq: 23 Nov 2020 13:30

Tgt Ion: 92 Resp: 796184

Ion Ratio Lower Upper

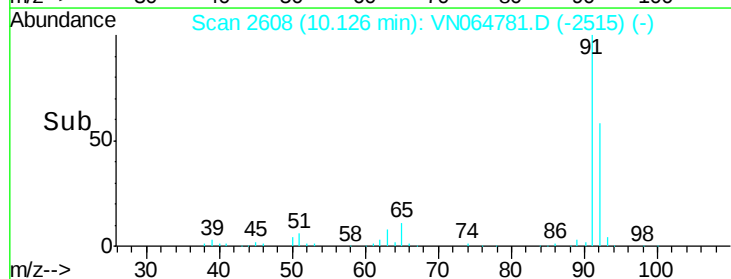
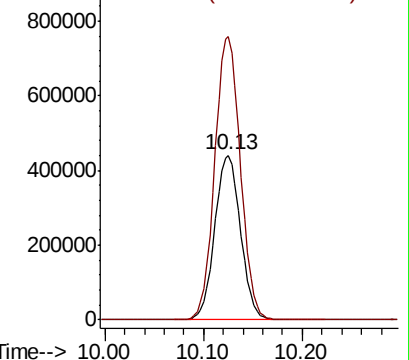
92 100

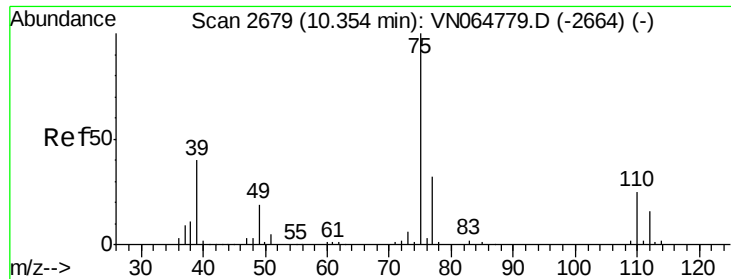
91 172.2 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





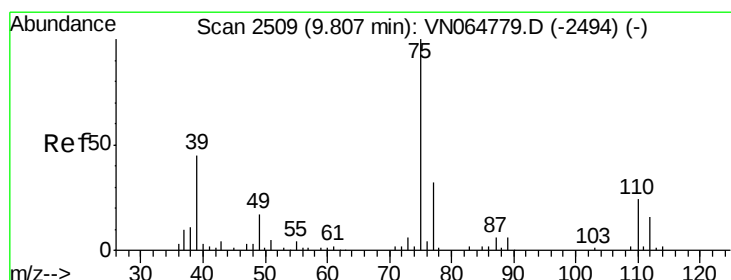
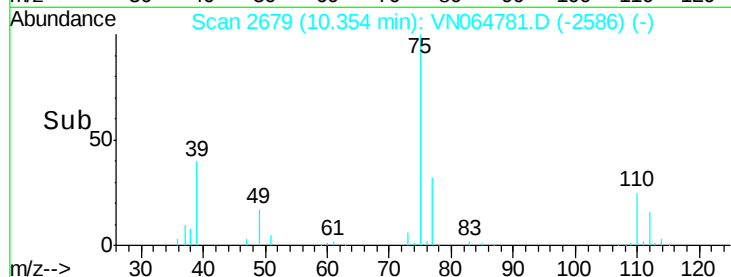
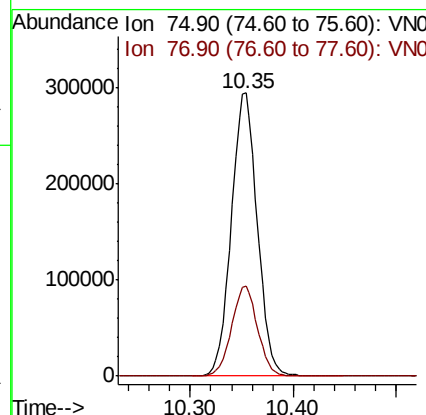
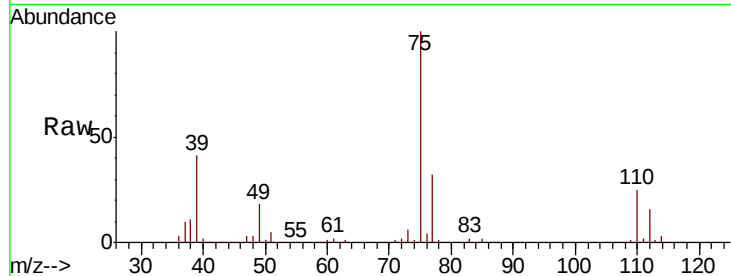
#53
t-1,3-Dichloropropene
Concen: 146.773 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 516818
Ion Ratio Lower Upper
75 100
77 31.8 25.8 38.6

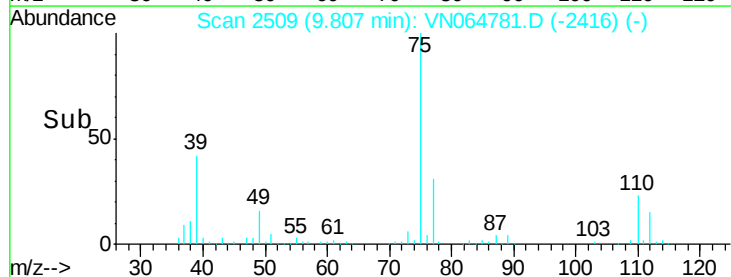
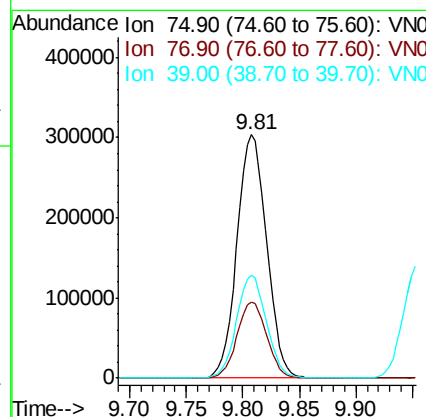
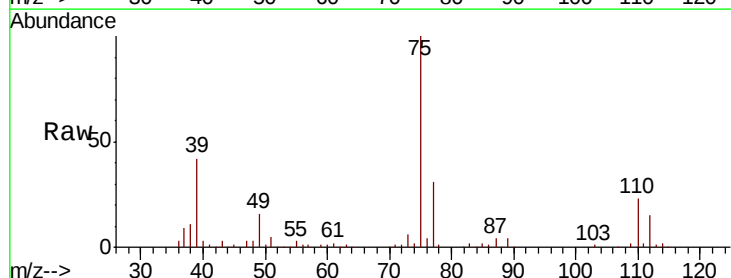
Manual Integrations
APPROVED

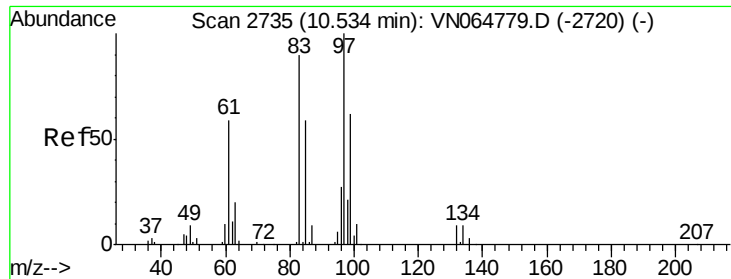
MMDadoda
11/24/2020 3:01:15 PM



#54
cis-1,3-Dichloropropene
Concen: 151.582 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Tgt Ion: 75 Resp: 556942
Ion Ratio Lower Upper
75 100
77 31.4 25.5 38.3
39 42.2 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 152.212 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 315930

Ion Ratio Lower Upper

97 100

83 87.0 72.1 108.1

85 56.5 46.8 70.2

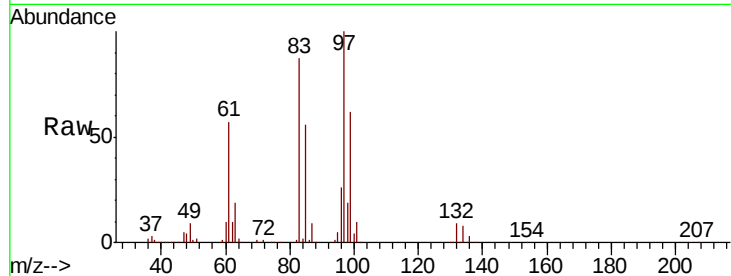
99 62.2 49.6 74.4

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:15 PM

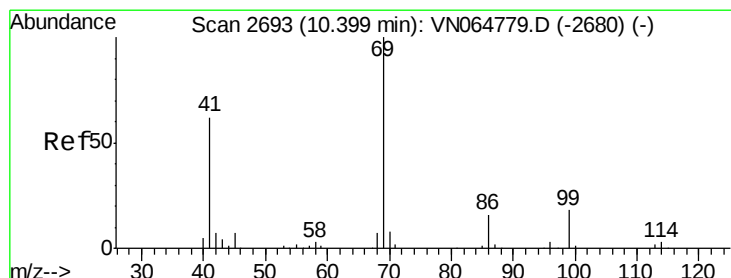
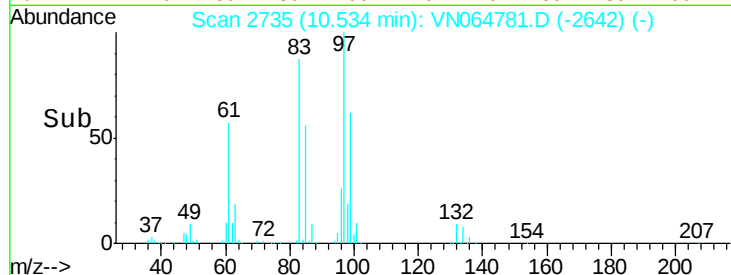
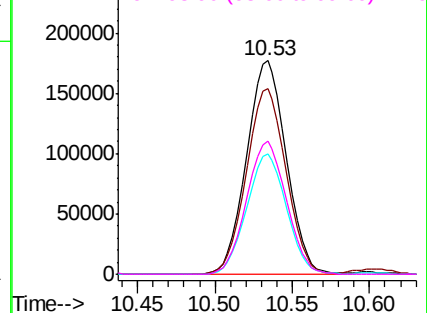


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 172.724 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

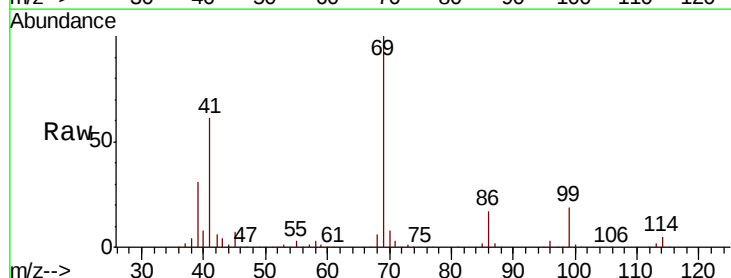
Tgt Ion: 69 Resp: 500405

Ion Ratio Lower Upper

69 100

41 60.5 49.4 74.0

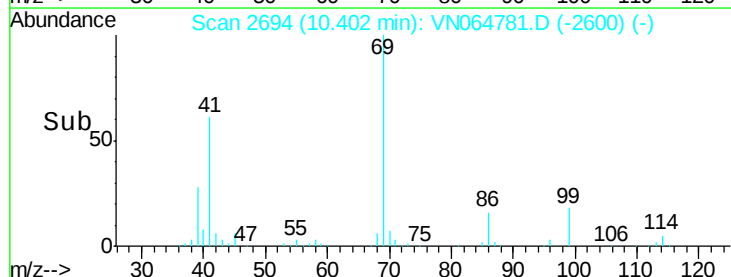
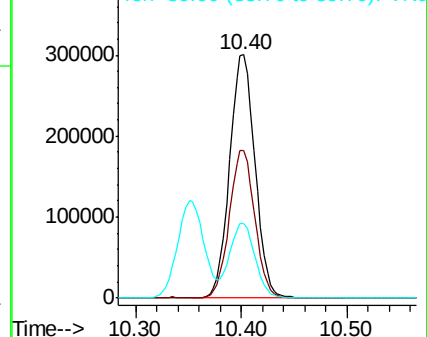
39 31.3 25.9 38.9

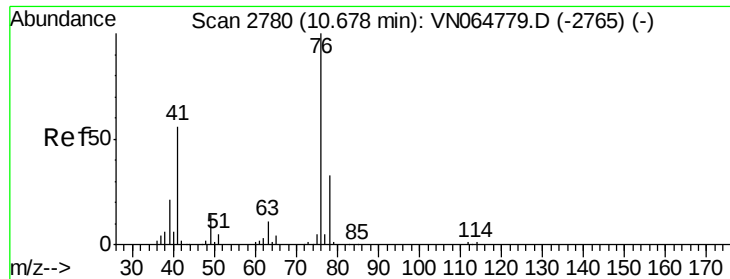


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





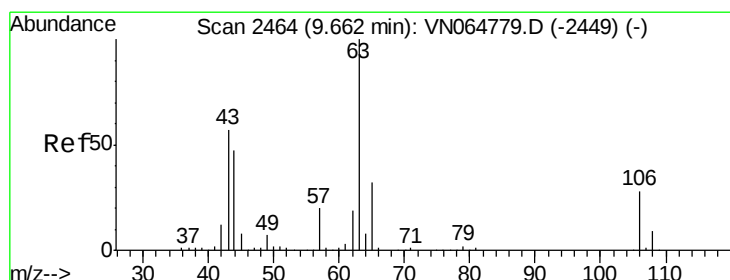
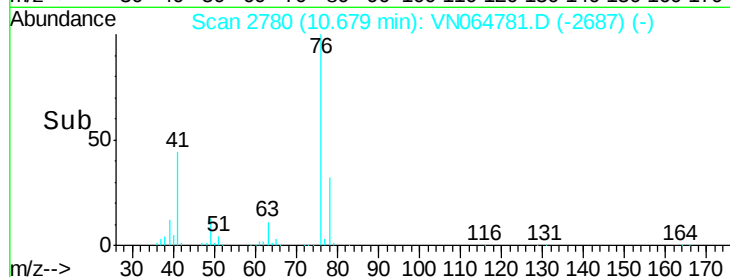
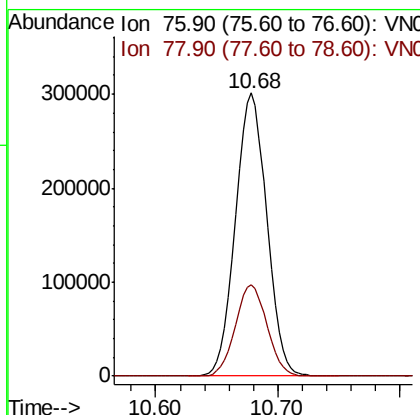
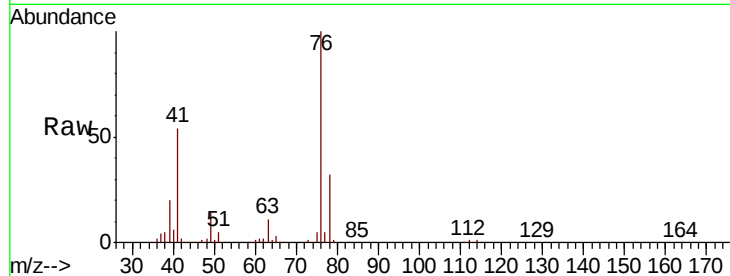
#57
 1,3-Dichloropropane
 Concen: 149.056 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064781.D
 Acq: 23 Nov 2020 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 535566
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.1 39.1

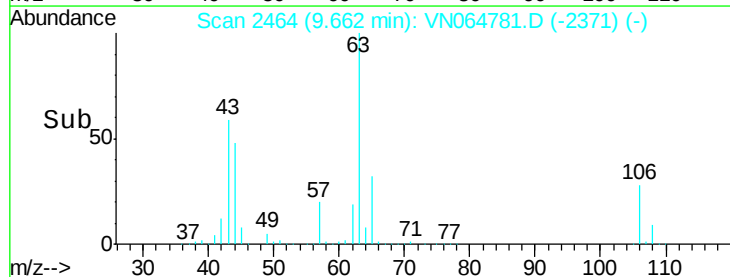
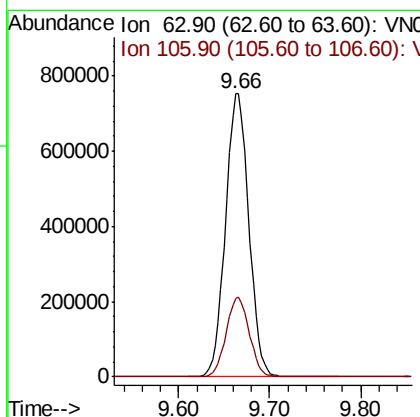
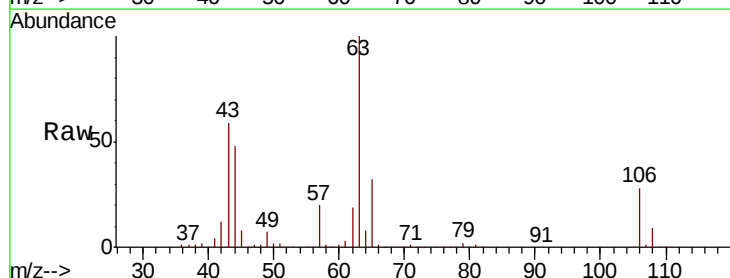
Manual Integrations
 APPROVED

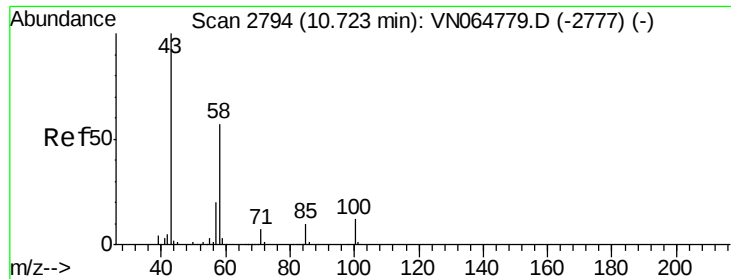
MMDadoda
 11/24/2020 3:01:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 839.178 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064781.D
 Acq: 23 Nov 2020 13:30

Tgt Ion: 63 Resp: 1340196
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.7 34.1





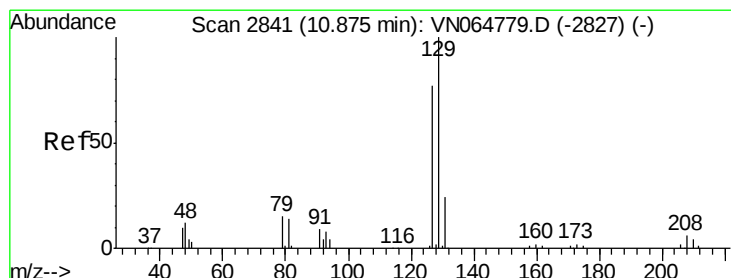
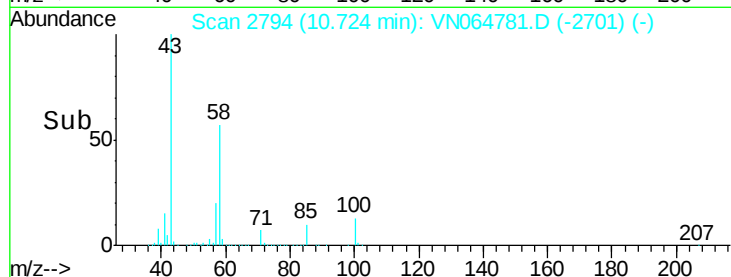
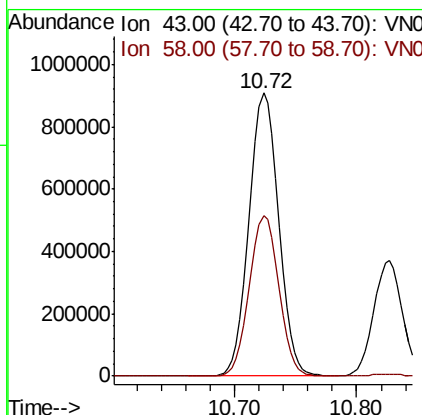
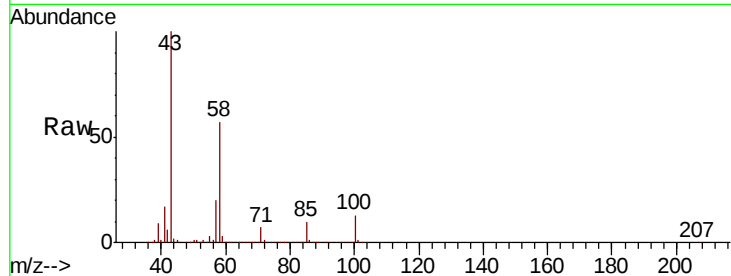
#59
2-Hexanone
Concen: 795.507 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 1516807
Ion Ratio Lower Upper
43 100
58 56.7 28.3 84.9

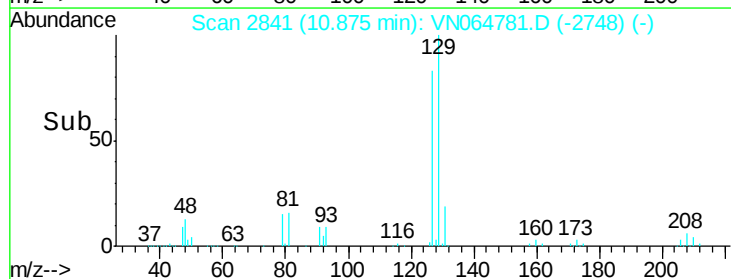
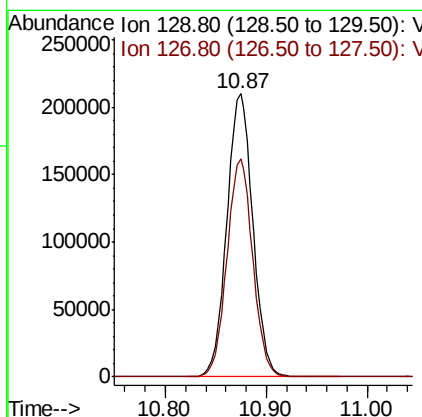
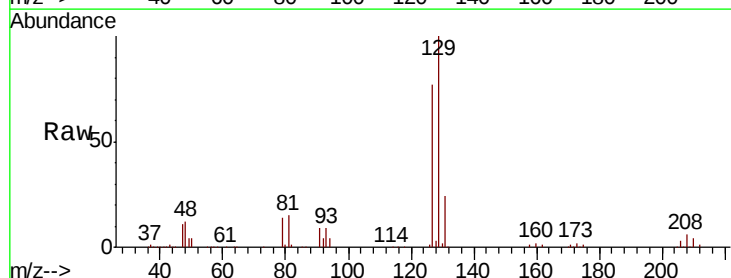
Manual Integrations
APPROVED

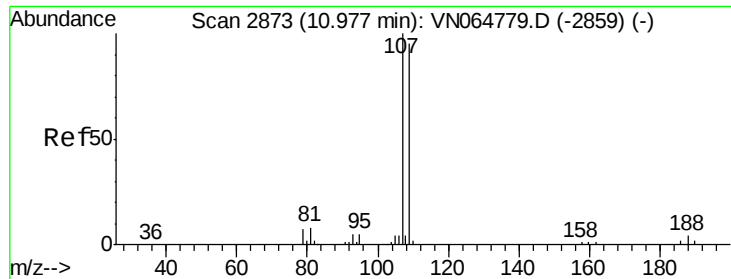
MMDadoda
11/24/2020 3:01:15 PM



#60
Dibromochloromethane
Concen: 156.833 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Tgt Ion: 129 Resp: 377556
Ion Ratio Lower Upper
129 100
127 76.5 39.1 117.2





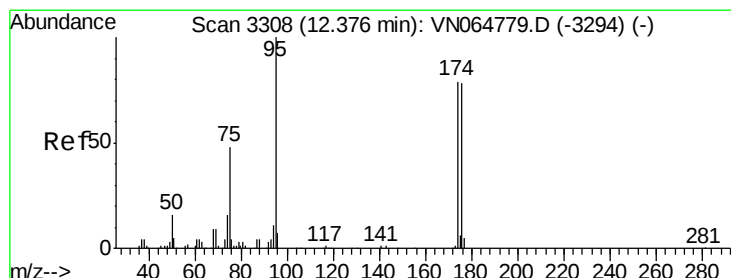
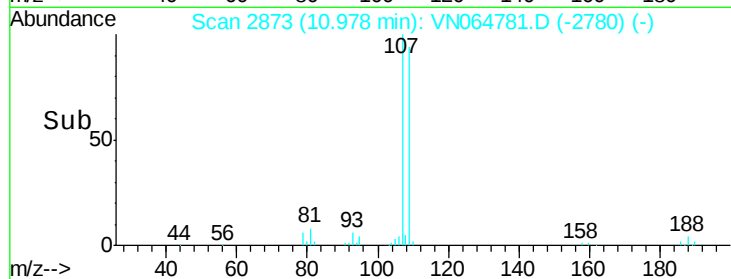
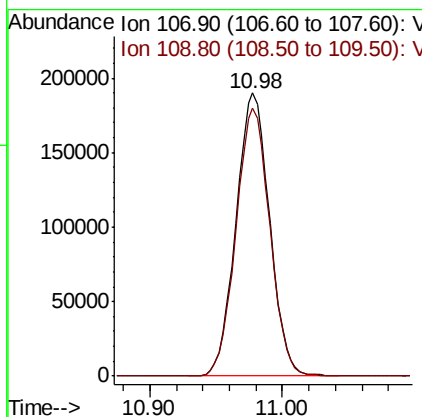
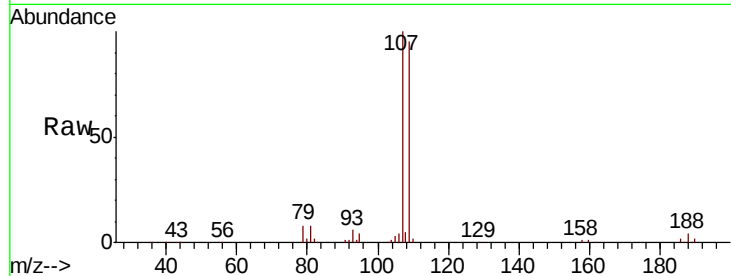
#61
 1,2-Dibromoethane
 Concen: 150.658 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064781.D
 Acq: 23 Nov 2020 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	334205		
109	95.4	76.0	114.0	

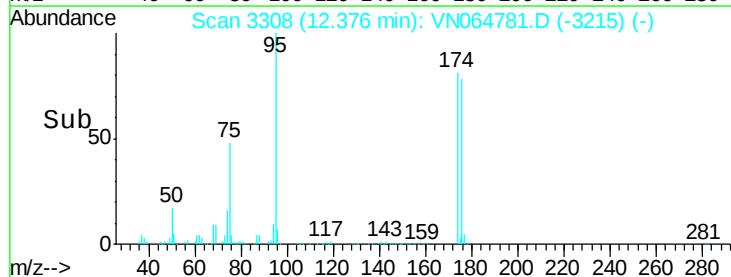
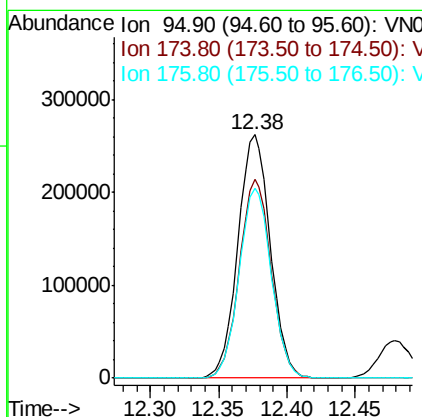
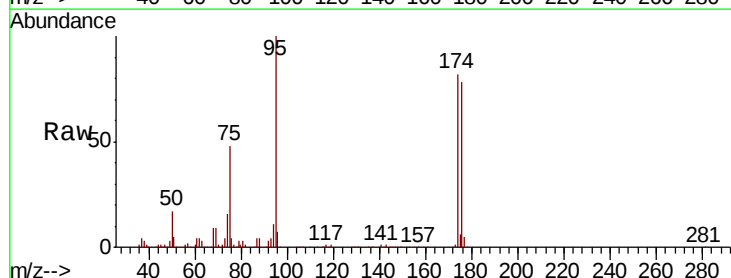
Manual Integrations
 APPROVED

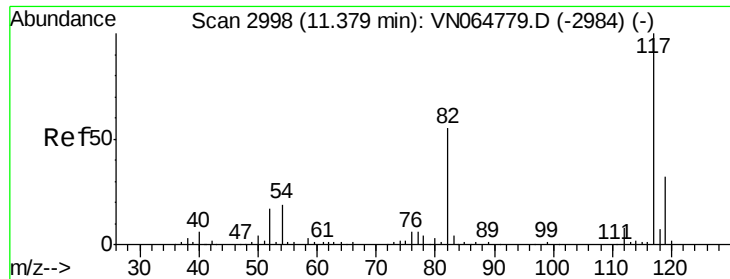
MMDadoda
 11/24/2020 3:01:15 PM



#62
 4-Bromofluorobenzene
 Concen: 154.340 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064781.D
 Acq: 23 Nov 2020 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	432867		
174	80.3	0.0	160.4	
176	77.5	0.0	158.4	





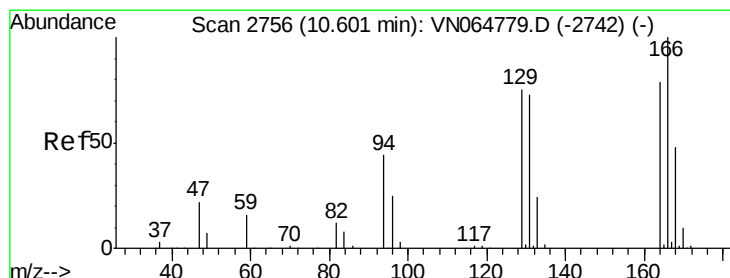
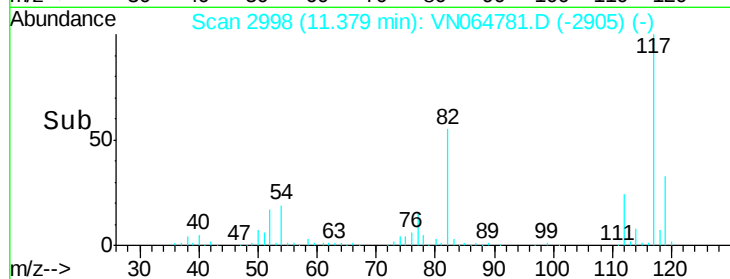
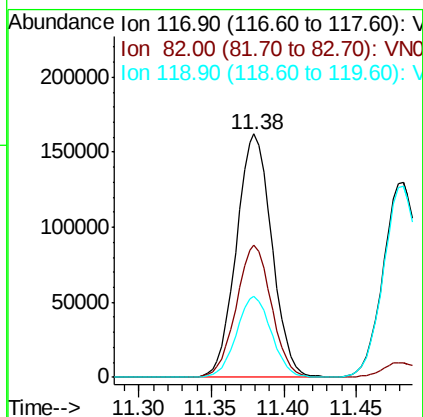
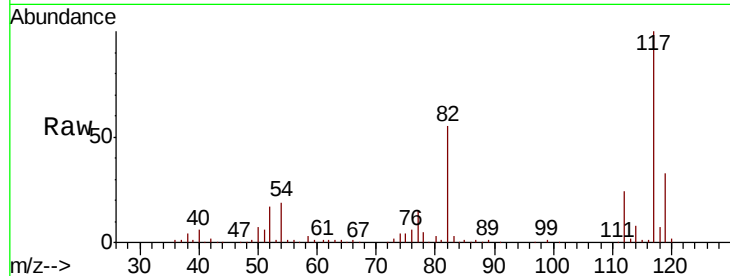
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.2	66.2
119	33.1	25.8	38.6

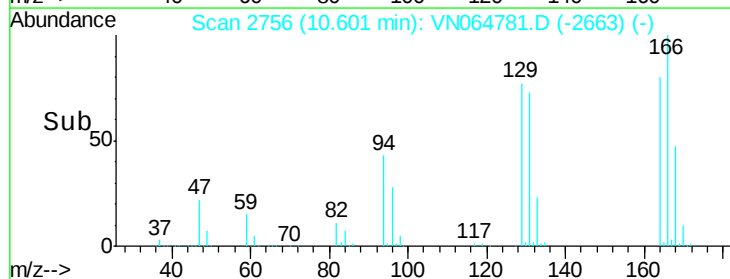
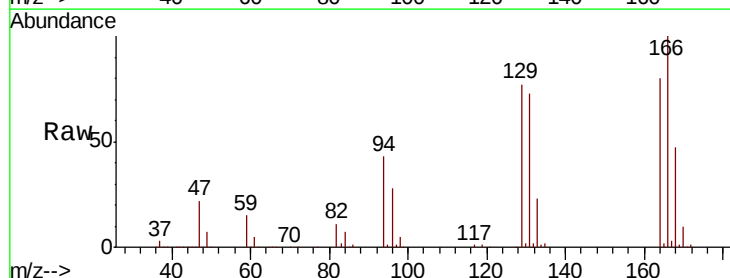
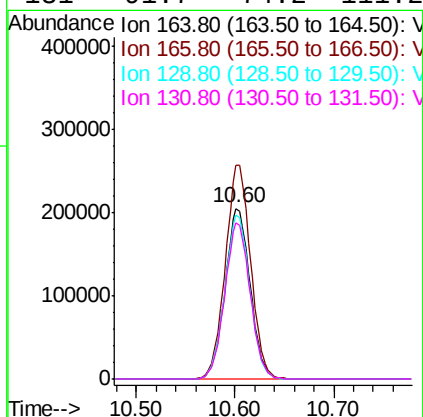
Manual Integrations
APPROVED

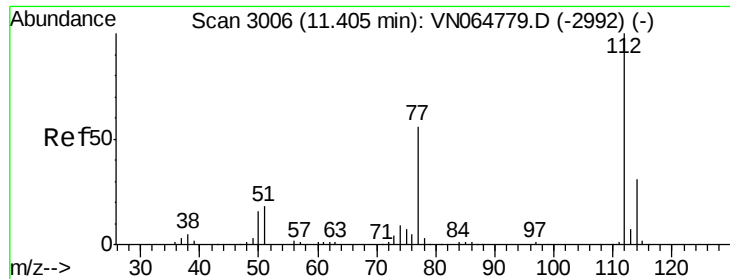
MMDadoda
11/24/2020 3:01:15 PM



#64
Tetrachloroethene
Concen: 147.781 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	101.4	152.0
129	96.0	76.1	114.1
131	91.7	74.2	111.2





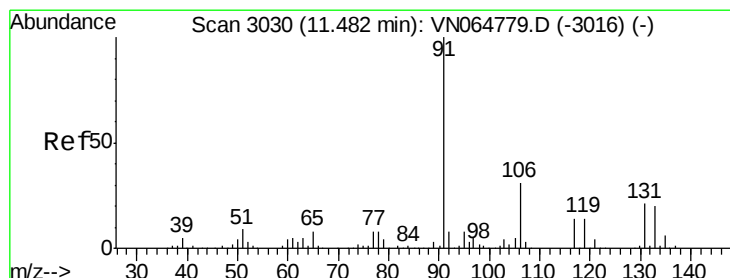
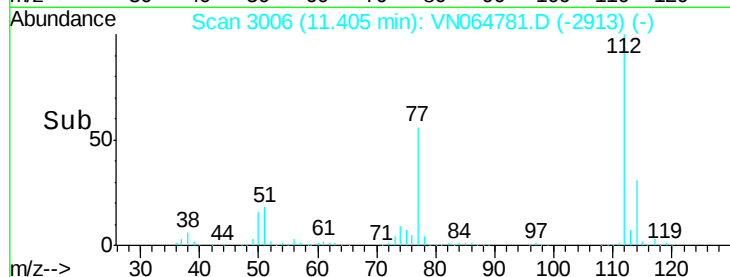
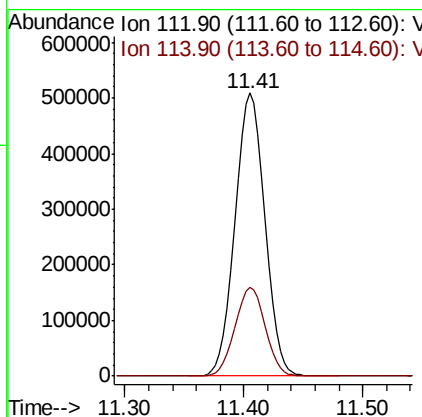
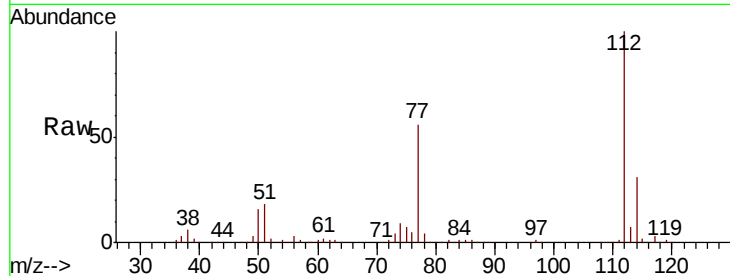
#65
Chlorobenzene
Concen: 151.788 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 884185
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7

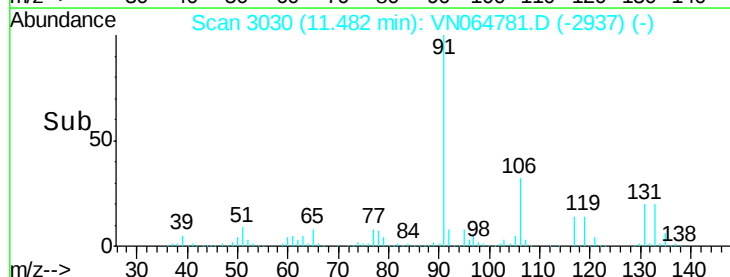
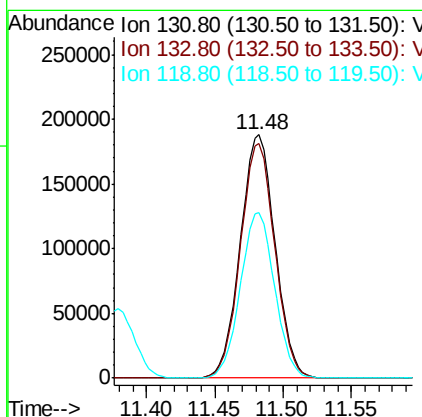
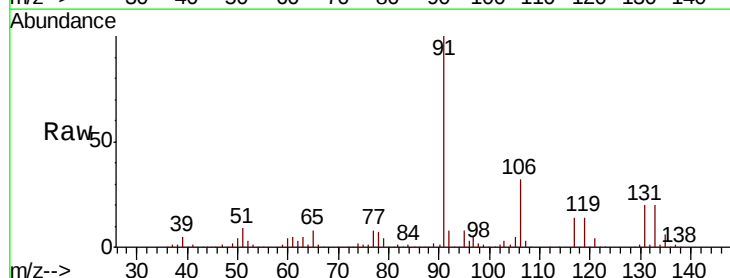
Manual Integrations
APPROVED

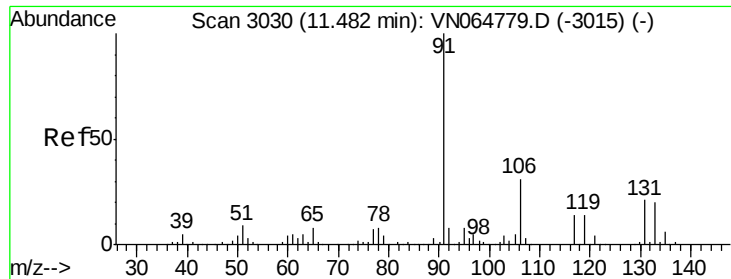
MMDadoda
11/24/2020 3:01:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 152.308 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Tgt Ion:131 Resp: 333094
Ion Ratio Lower Upper
131 100
133 95.6 47.5 142.5
119 67.1 33.3 99.8





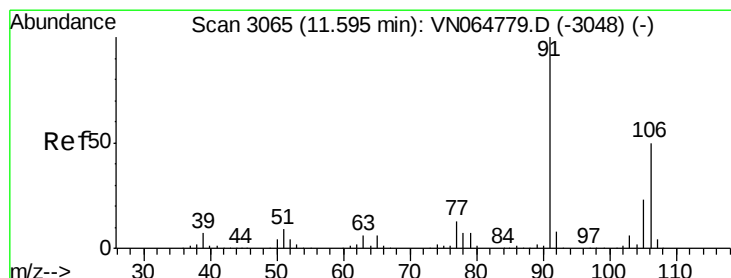
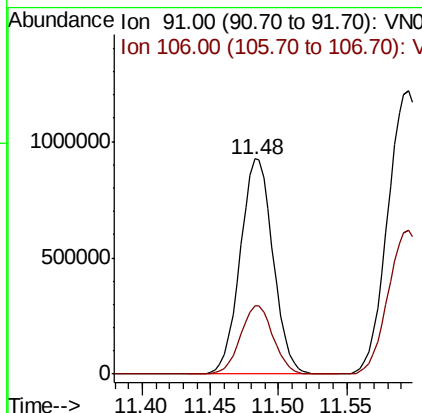
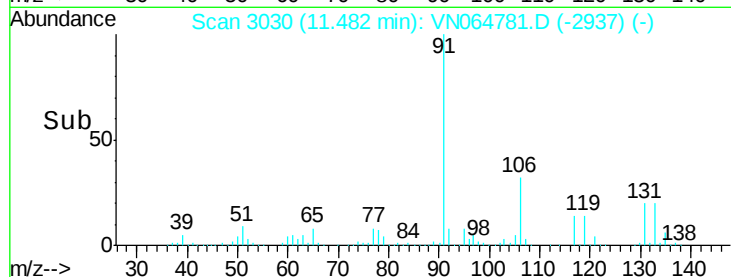
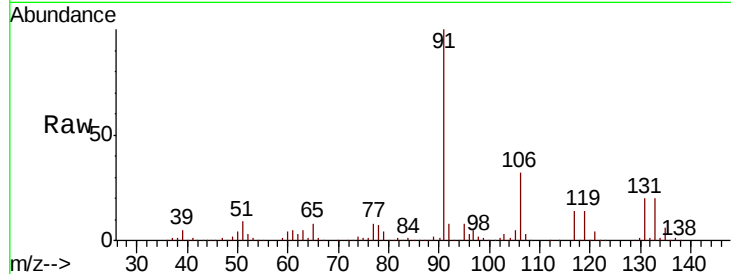
#67
Ethyl Benzene
Concen: 151.442 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1547199
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8

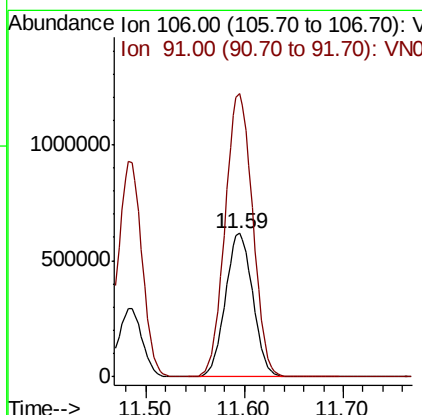
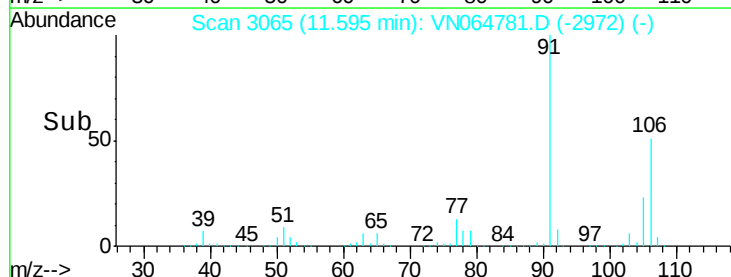
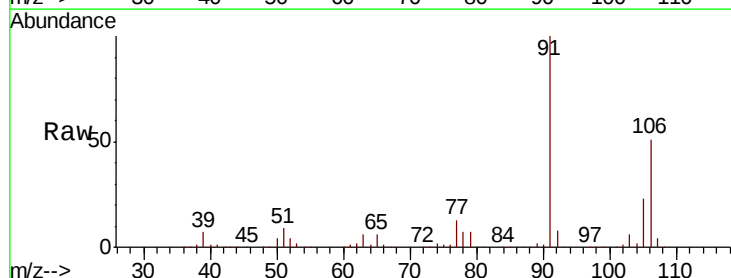
Manual Integrations
APPROVED

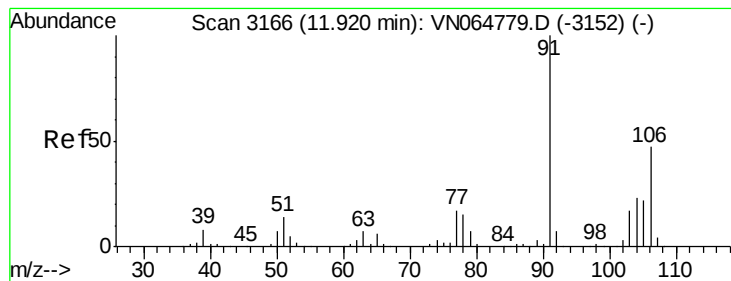
MMDadoda
11/24/2020 3:01:15 PM



#68
m/p-Xylenes
Concen: 323.947 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Tgt Ion: 106 Resp: 1196096
Ion Ratio Lower Upper
106 100
91 199.3 161.0 241.4





#69

o-Xylene

Concen: 160.388 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:106 Resp: 574871

Ion Ratio Lower Upper

106 100

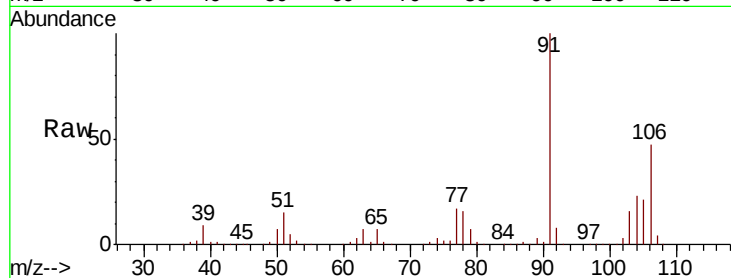
91 210.0 105.5 316.5

Manual Integrations

APPROVED

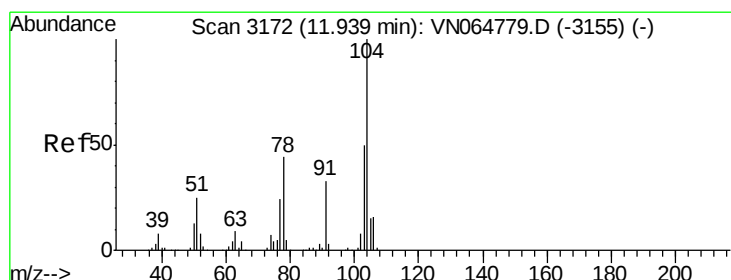
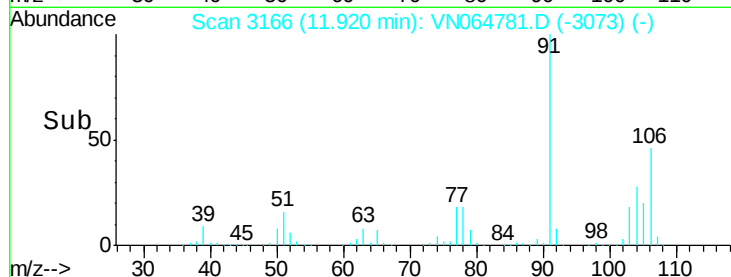
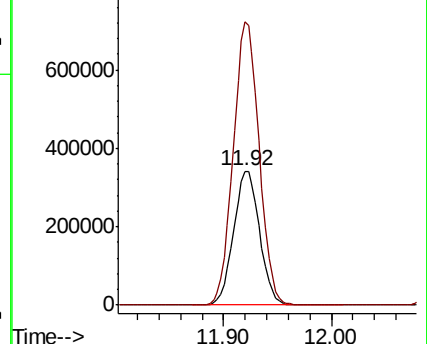
MMDadoda

11/24/2020 3:01:15 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 163.975 ug/l

RT: 11.94 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

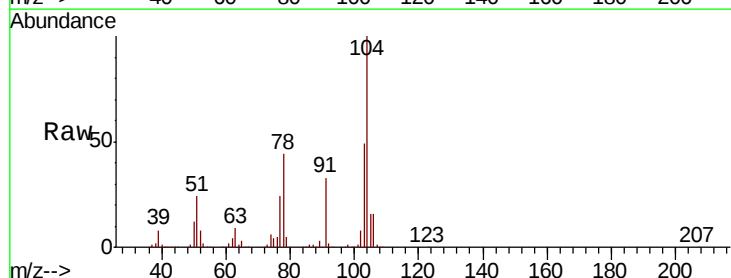
Tgt Ion:104 Resp: 995157

Ion Ratio Lower Upper

104 100

78 48.9 39.0 58.6

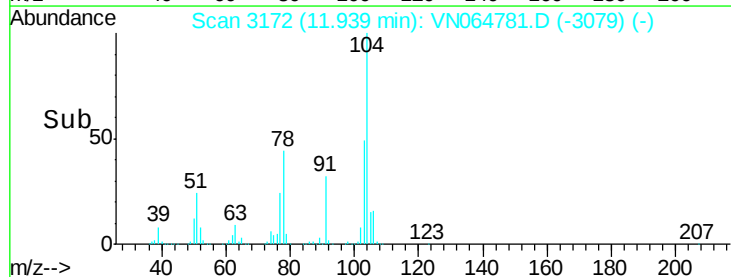
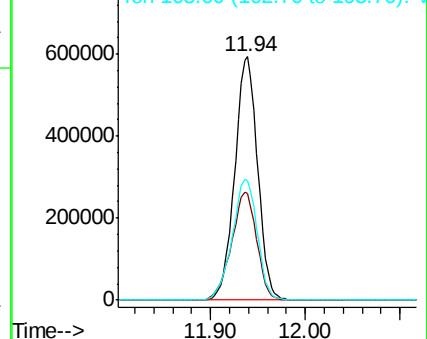
103 54.5 44.3 66.5

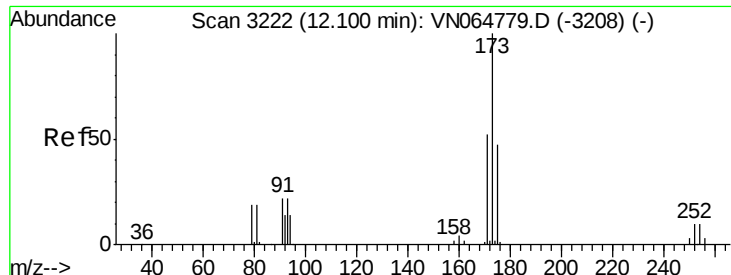


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 179.058 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 274886

Ion Ratio Lower Upper

173 100

175 48.9 24.3 72.8

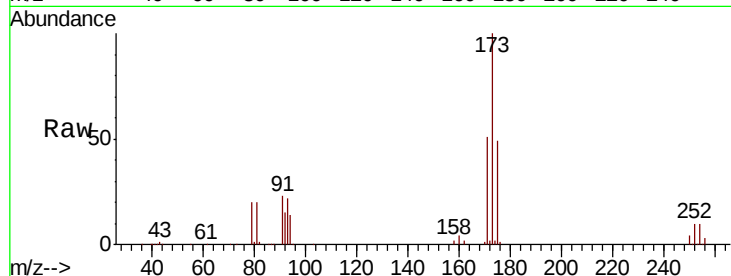
254 0.1 0.0 0.0#

Manual Integrations

APPROVED

MMDadoda

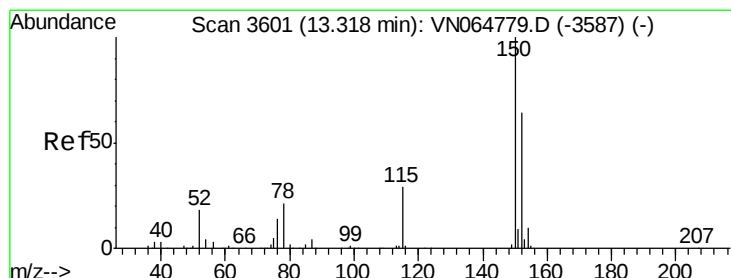
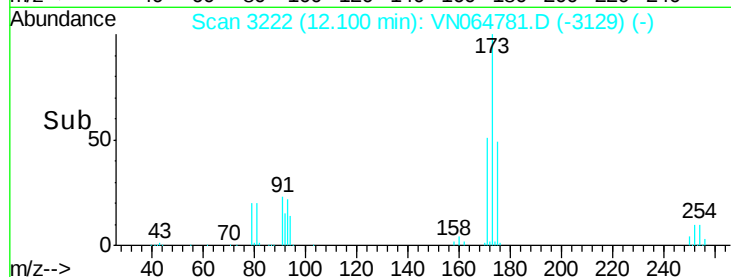
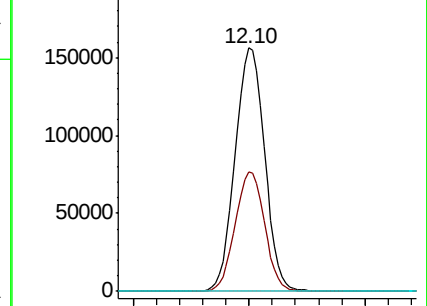
11/24/2020 3:01:15 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

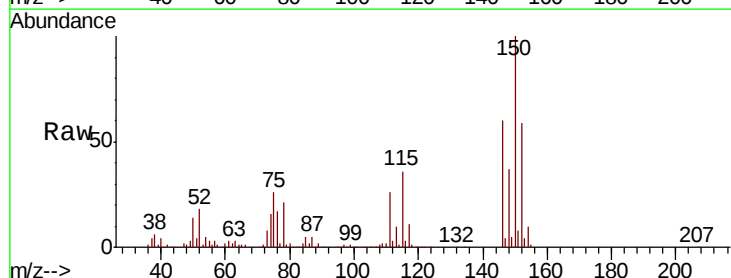
Tgt Ion:152 Resp: 143201

Ion Ratio Lower Upper

152 100

115 61.1 29.7 89.1

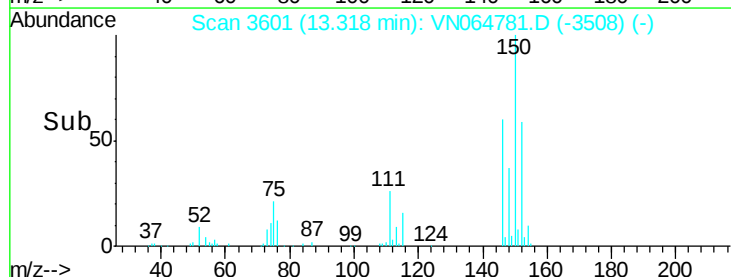
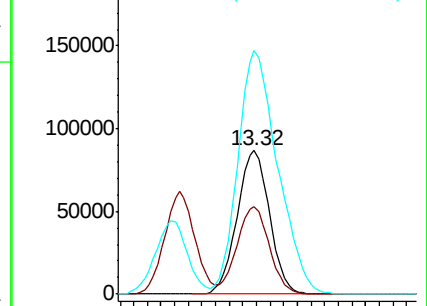
150 207.1 0.0 350.6

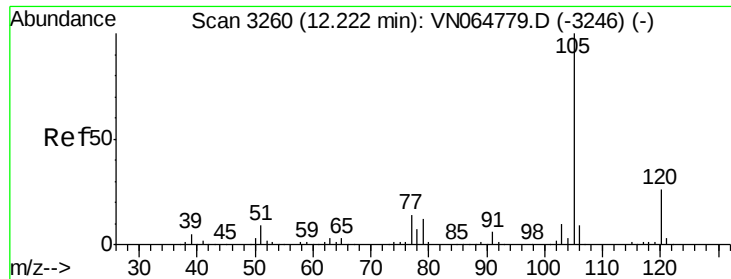


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 149.369 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1511377

Ion Ratio Lower Upper

105 100

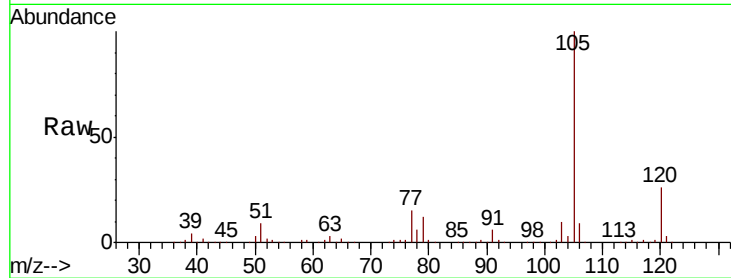
120 26.8 13.3 39.9

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:15 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

1000000

800000

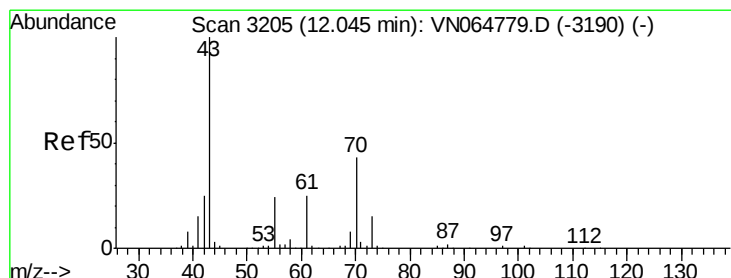
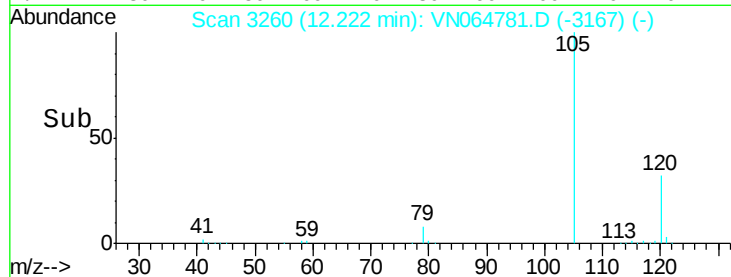
600000

400000

200000

0

Time--> 12.10 12.20 12.30



#74

N-ethyl acetate

Concen: 135.531 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Tgt Ion: 43 Resp: 624082

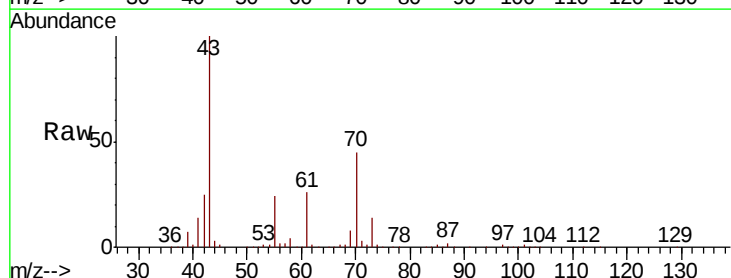
Ion Ratio Lower Upper

43 100

70 44.2 34.5 51.7

55 24.1 20.4 30.6

61 25.6 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.05

600000

500000

400000

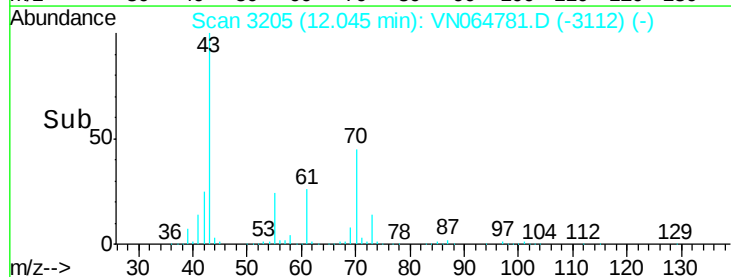
300000

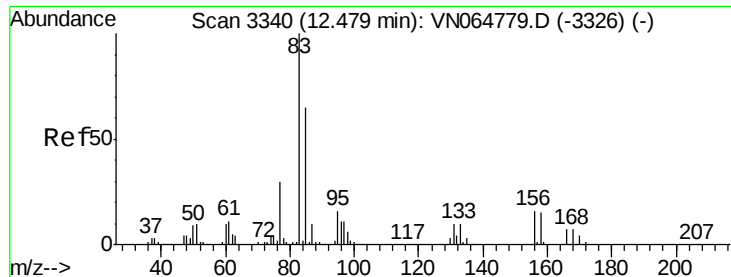
200000

100000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 152.320 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 432958
Ion Ratio Lower Upper

83 100

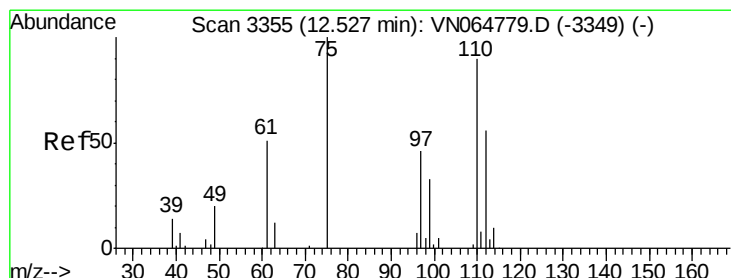
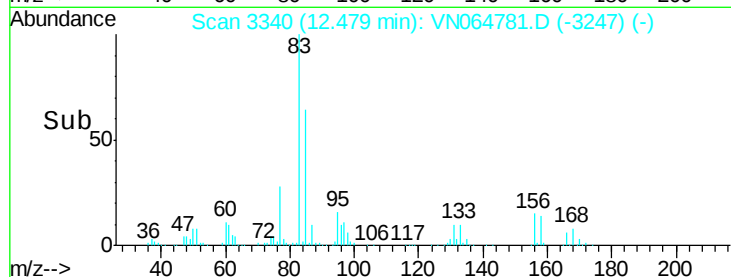
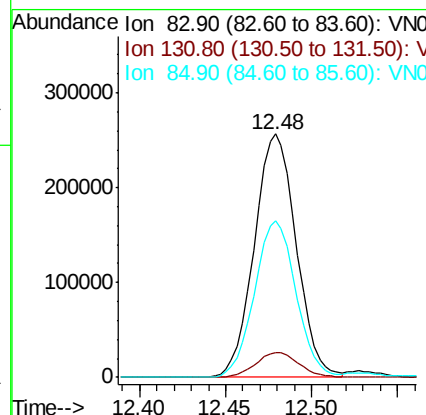
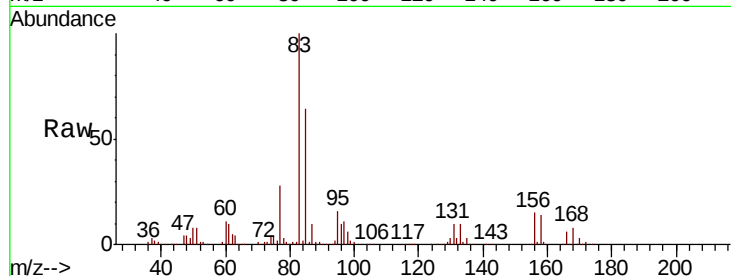
131 10.5 5.1 15.3

85 63.8 33.0 99.0

Manual Integrations
APPROVED

MMDadoda

11/24/2020 3:01:15 PM



#76

1,2,3-Trichloropropane

Concen: 138.951 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

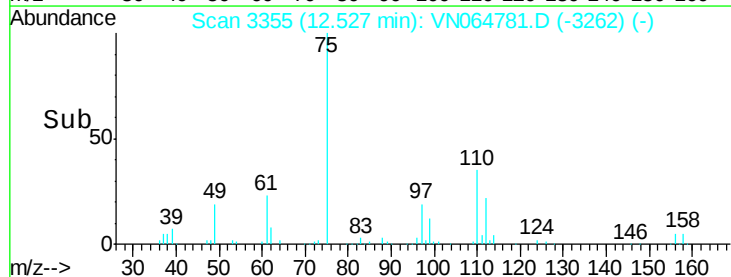
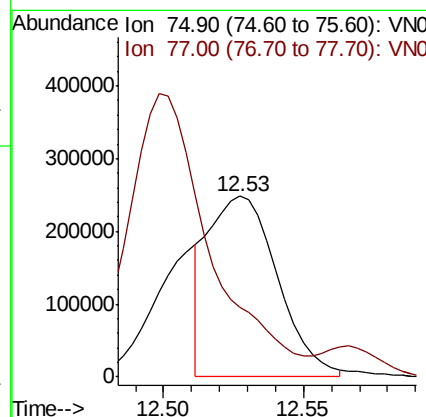
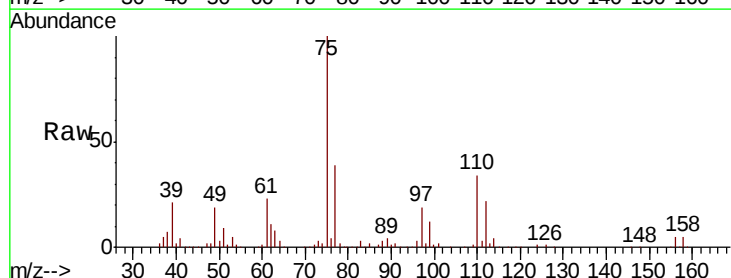
Lab File: VN064781.D

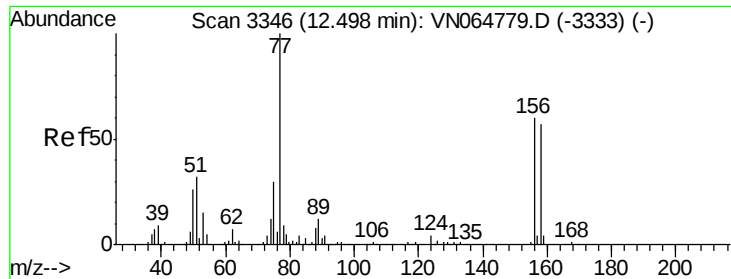
Acq: 23 Nov 2020 13:30

Tgt Ion: 75 Resp: 426896
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 148.713 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

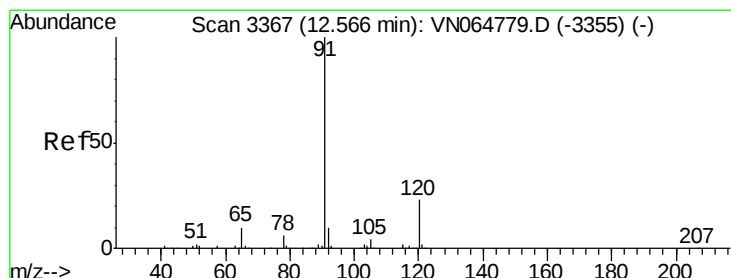
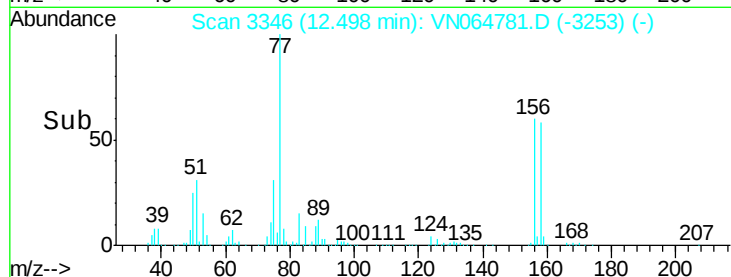
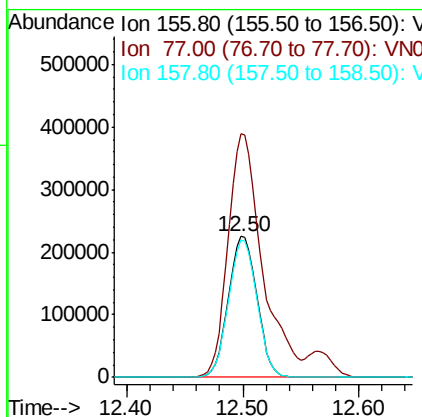
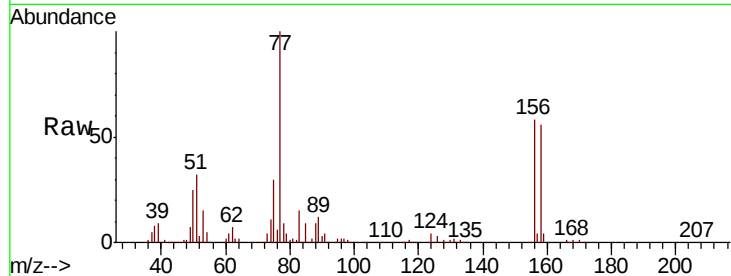
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	207.1	101.3	303.7	
158	97.3	48.2	144.6	

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:15 PM



#78

n-propylbenzene

Concen: 149.271 ug/l

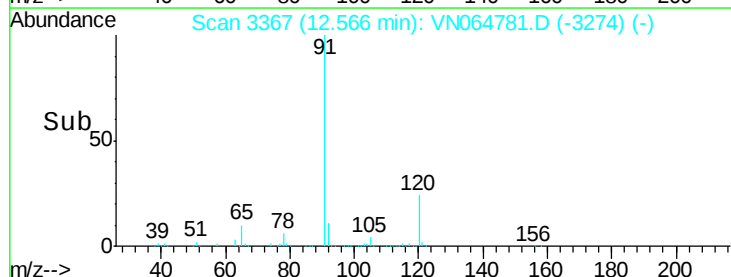
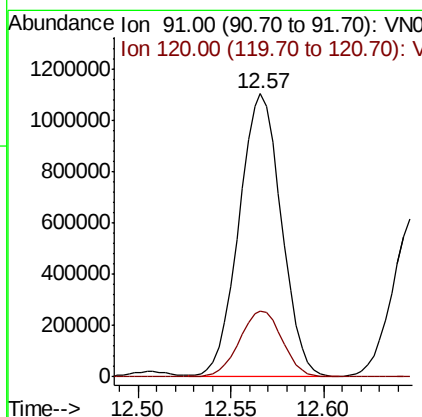
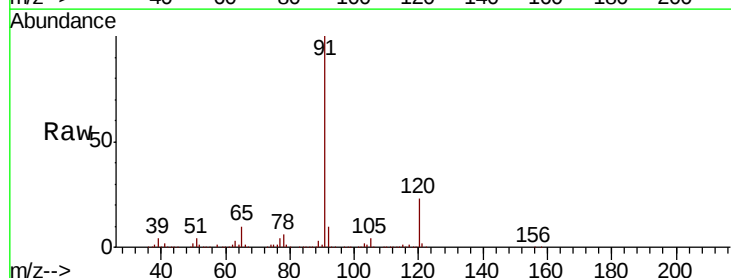
RT: 12.57 min Scan# 3367

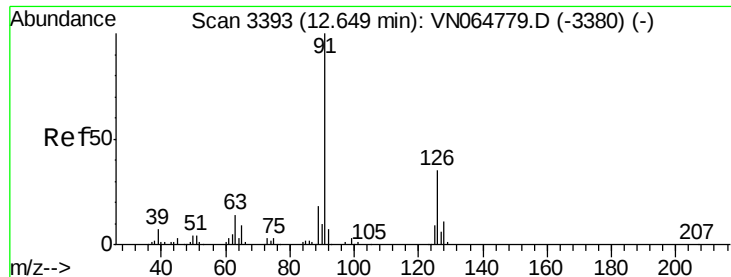
Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.4	11.6	34.7	





#79

2-Chlorotoluene

Concen: 138.772 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1036807

Ion Ratio Lower Upper

91 100

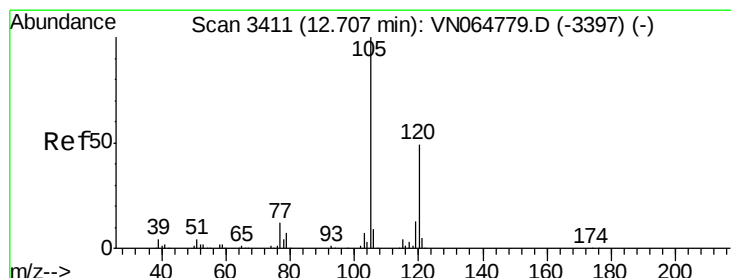
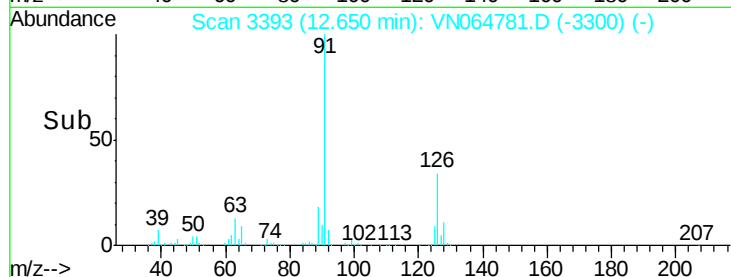
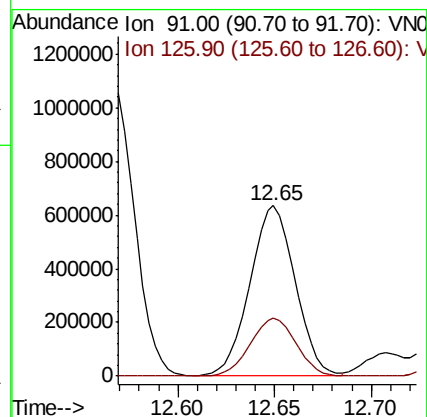
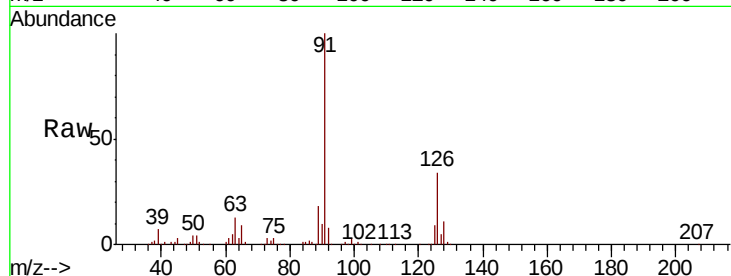
126 34.4 17.2 51.6

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:15 PM



#80

1,3,5-Trimethylbenzene

Concen: 155.934 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064781.D

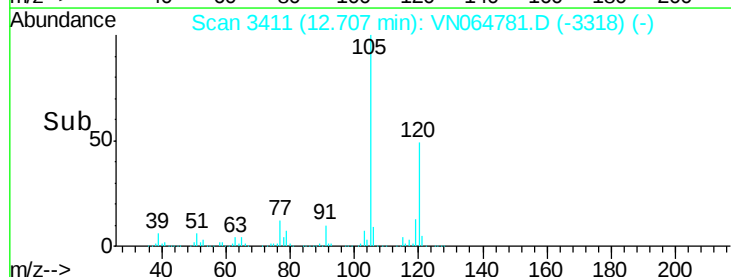
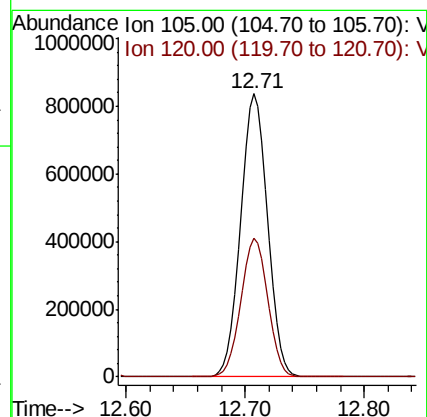
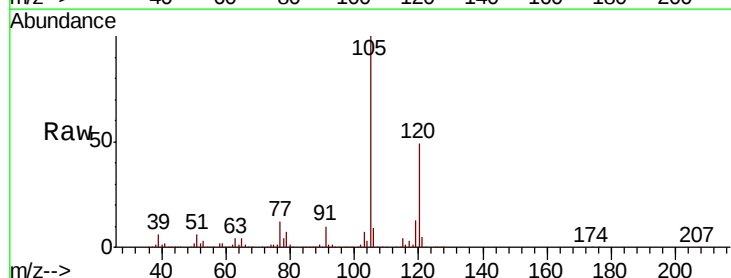
Acq: 23 Nov 2020 13:30

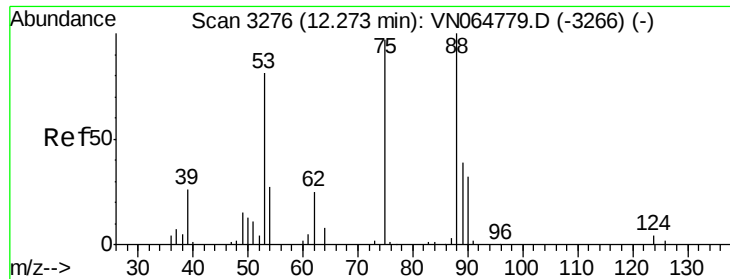
Tgt Ion: 105 Resp: 1309252

Ion Ratio Lower Upper

105 100

120 49.0 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 161.742 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 179766

Ion Ratio Lower Upper

75 100

53 80.7 67.0 100.4

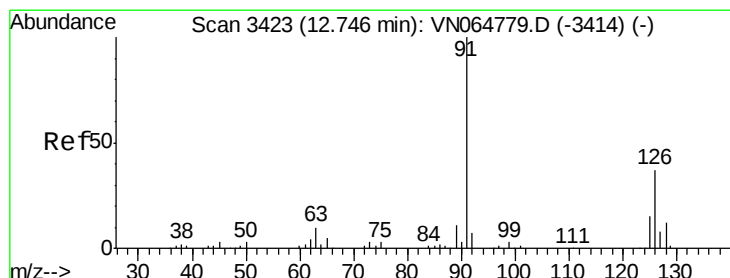
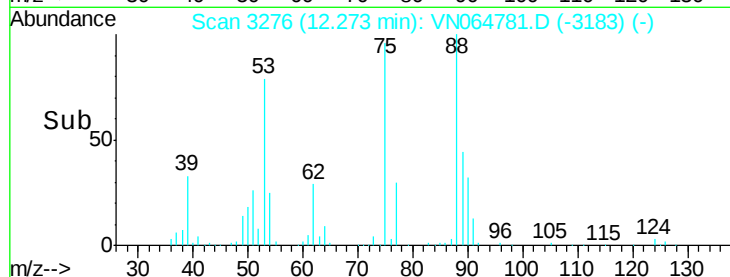
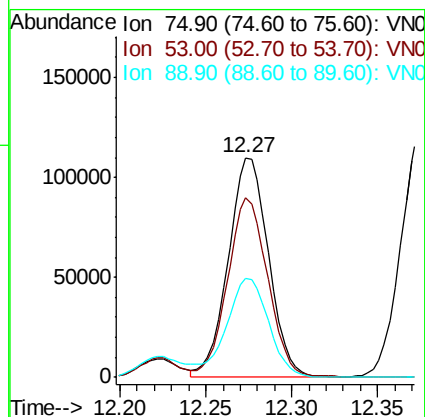
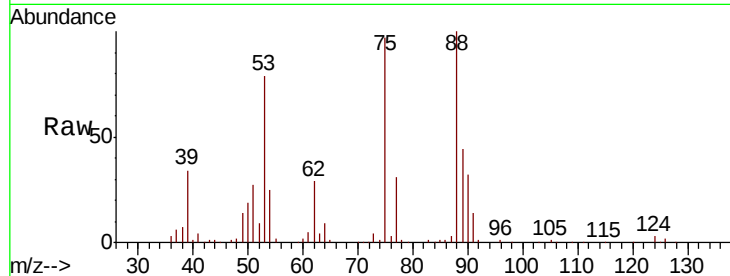
89 46.8 39.6 59.4

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:15 PM



#82

4-Chlorotoluene

Concen: 136.948 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064781.D

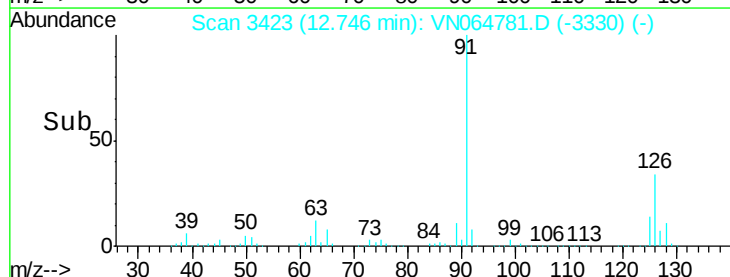
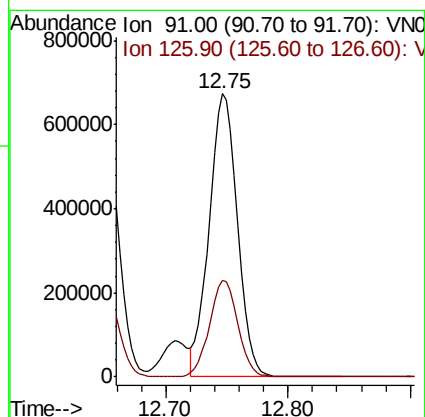
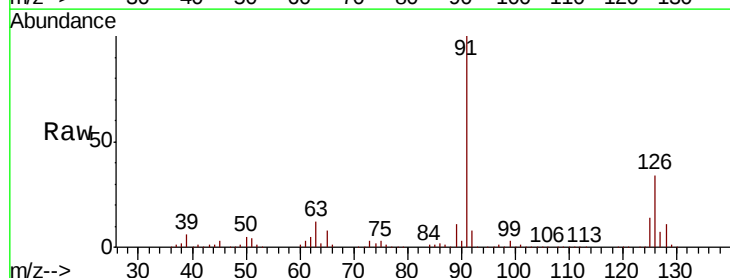
Acq: 23 Nov 2020 13:30

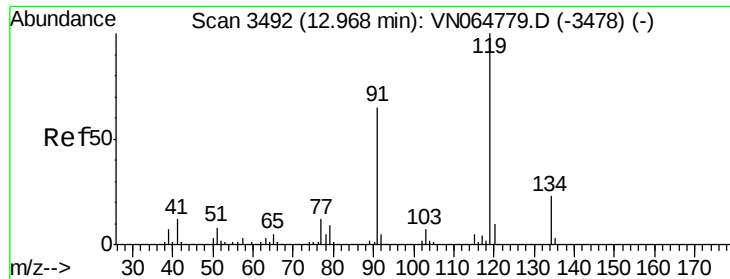
Tgt Ion: 91 Resp: 1086131

Ion Ratio Lower Upper

91 100

126 34.4 16.9 50.7





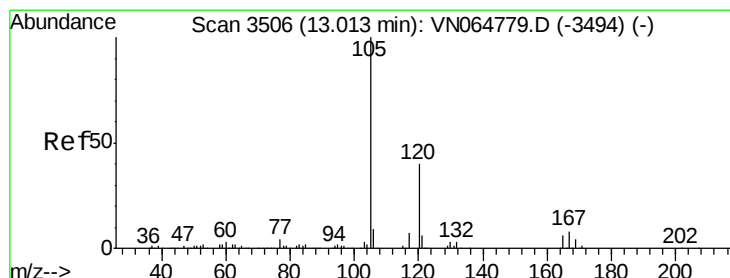
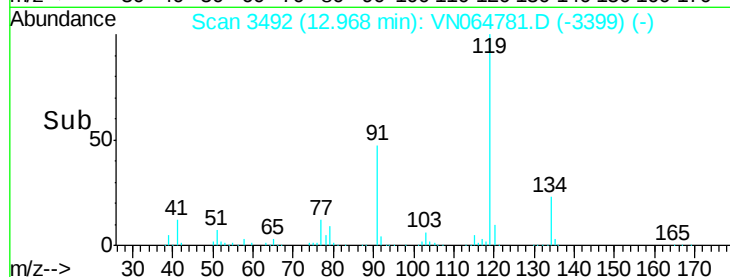
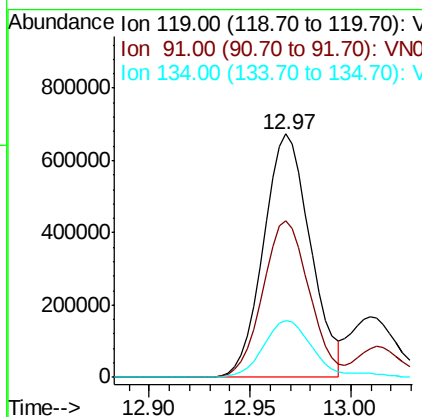
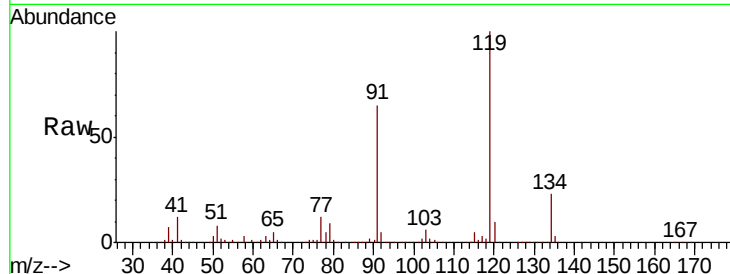
#83
tert-Butylbenzene
Concen: 166.120 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 1089372
Ion Ratio Lower Upper
119 100
91 63.9 32.3 96.8
134 24.9 12.6 37.6

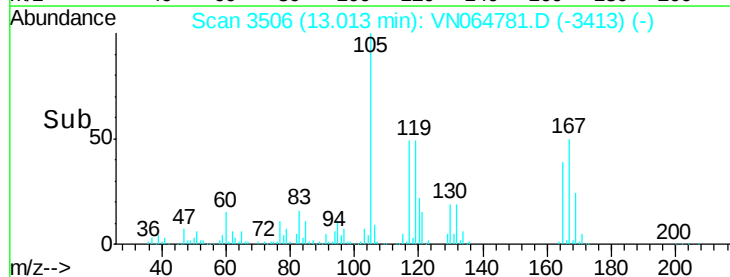
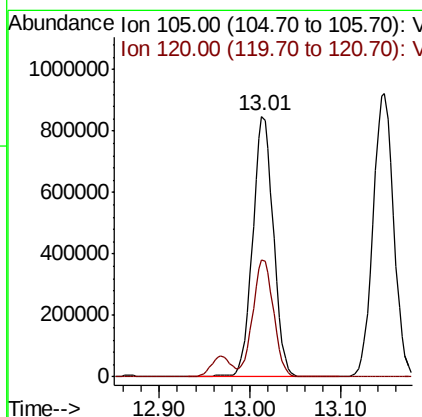
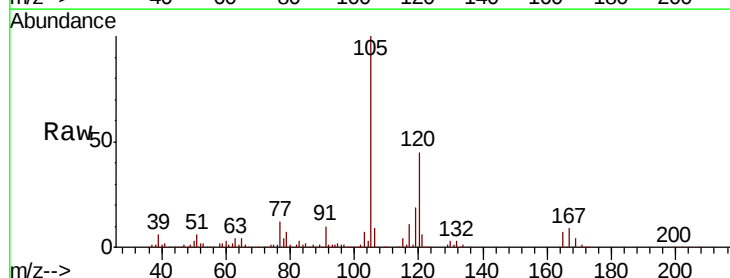
Manual Integrations
APPROVED

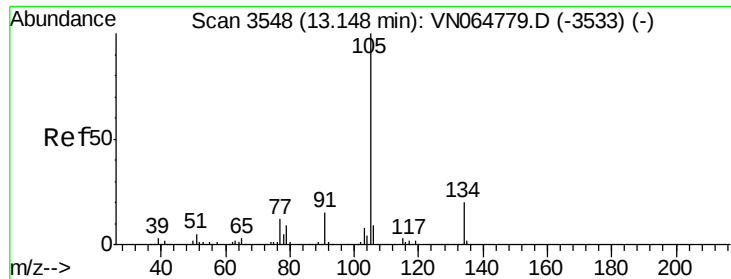
MMDadoda
11/24/2020 3:01:15 PM



#84
1,2,4-Trimethylbenzene
Concen: 156.637 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Tgt Ion:105 Resp: 1338968
Ion Ratio Lower Upper
105 100
120 44.9 23.1 69.2





#85

sec-Butylbenzene

Concen: 165.673 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1451307

Ion Ratio Lower Upper

105 100

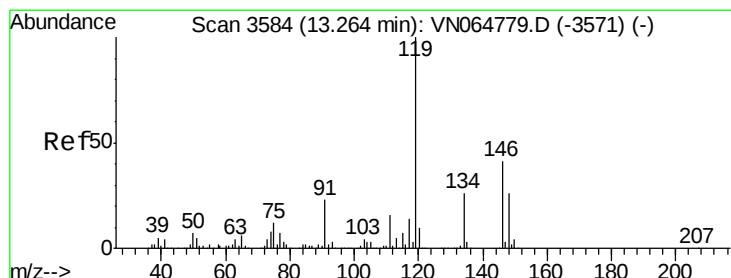
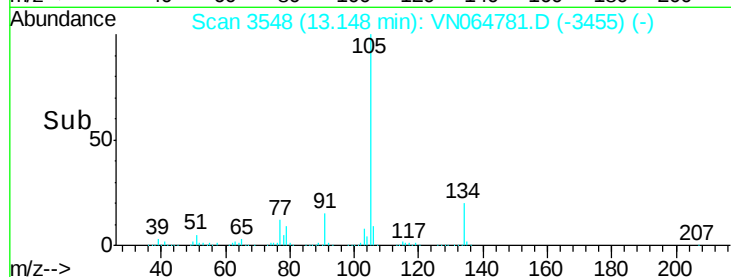
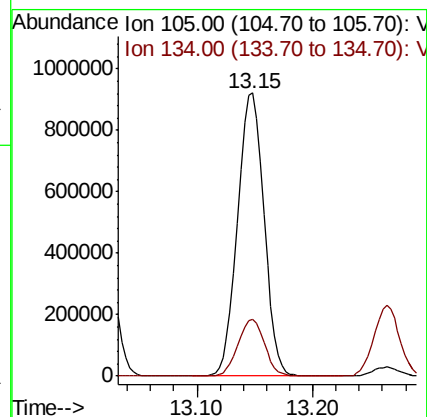
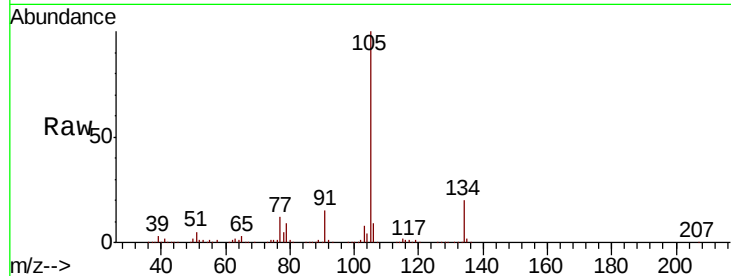
134 19.9 10.1 30.1

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:15 PM



#86

p-Isopropyltoluene

Concen: 169.580 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

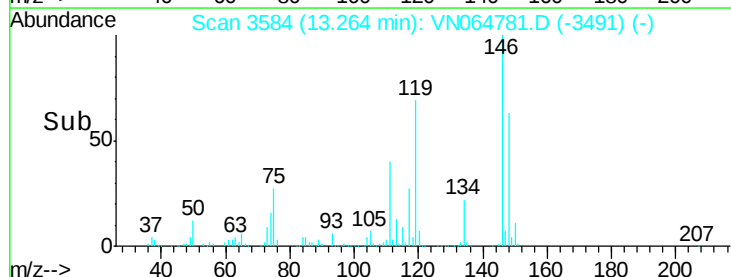
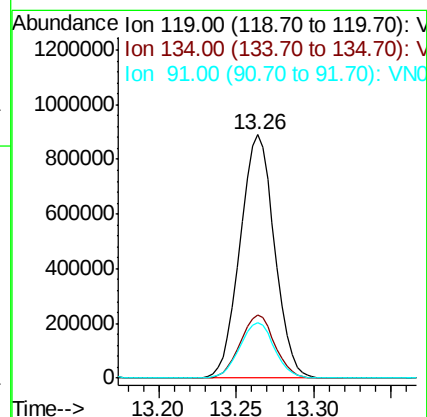
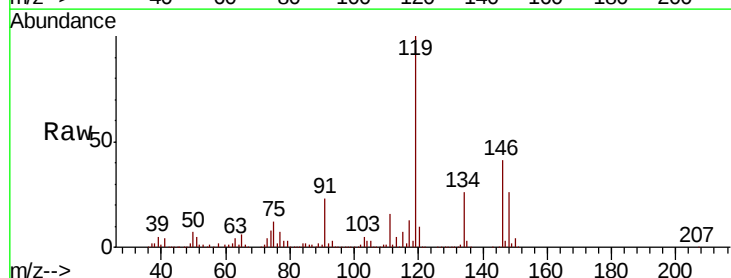
Tgt Ion:119 Resp: 1368993

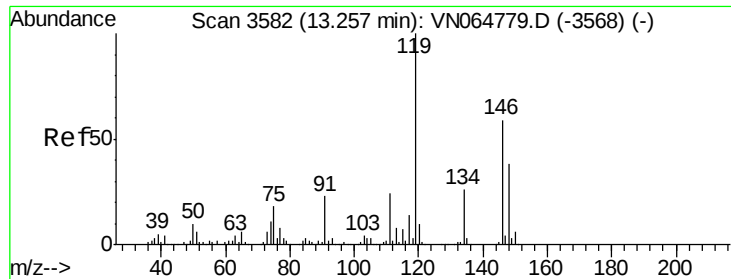
Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.1

91 22.8 11.5 34.5





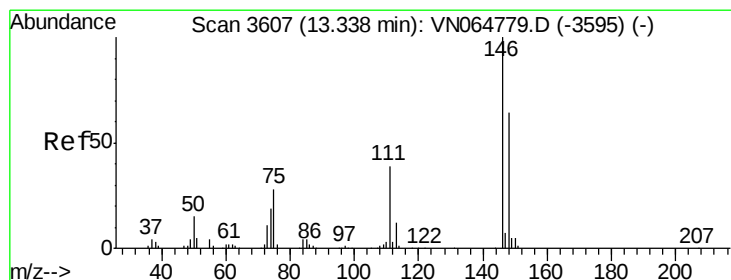
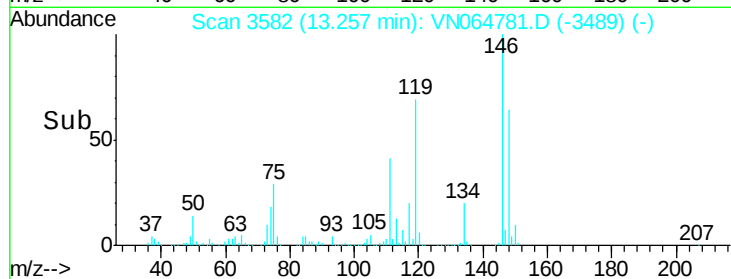
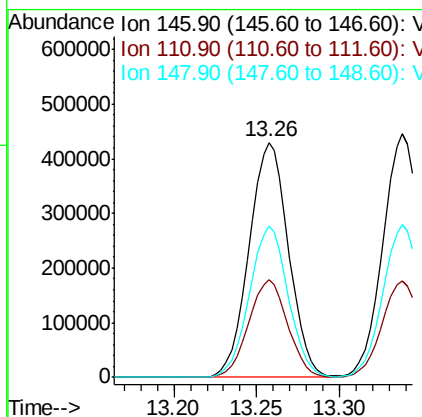
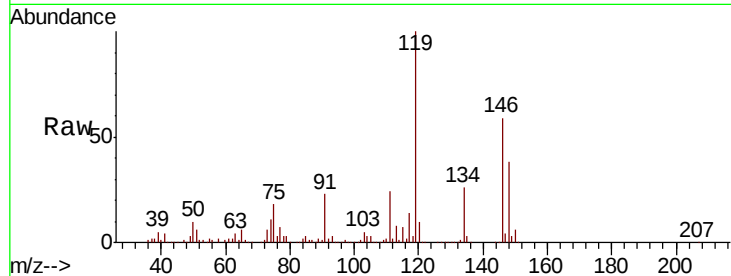
#87
 1,3-Dichlorobenzene
 Concen: 151.821 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064781.D
 Acq: 23 Nov 2020 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.6	61.9
148	63.4	31.9	95.5

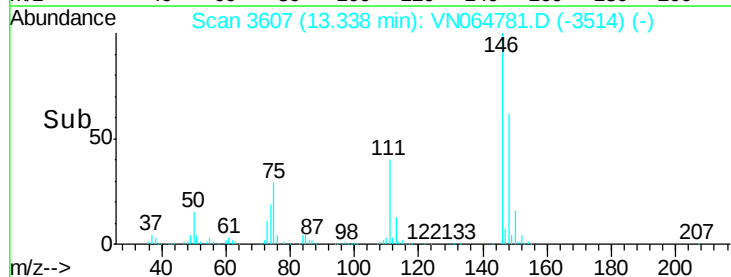
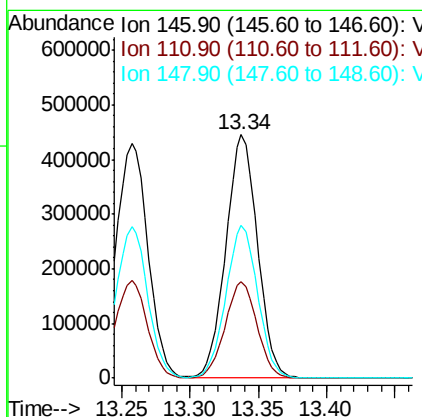
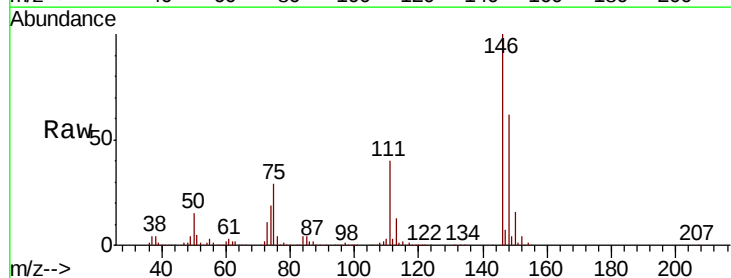
Manual Integrations
 APPROVED

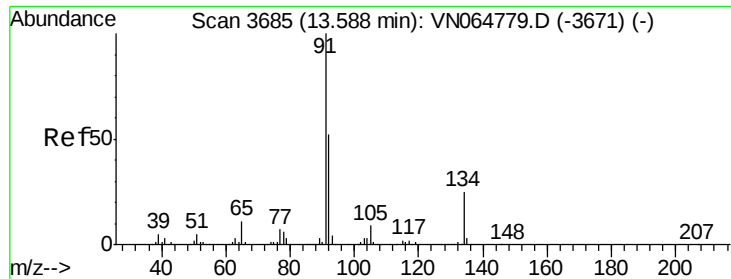
MMDadoda
 11/24/2020 3:01:15 PM



#88
 1,4-Dichlorobenzene
 Concen: 149.219 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064781.D
 Acq: 23 Nov 2020 13:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.3
148	63.1	31.9	95.5





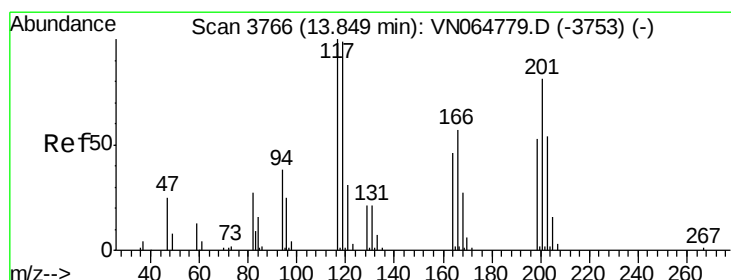
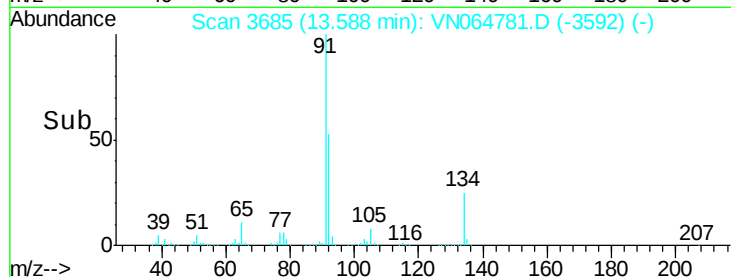
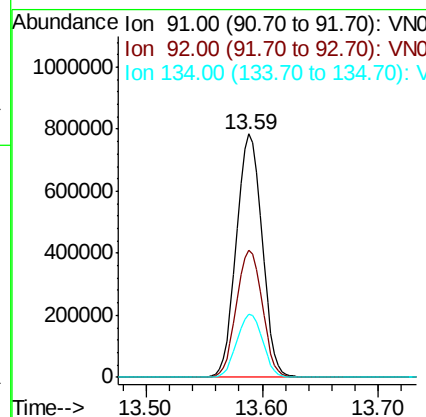
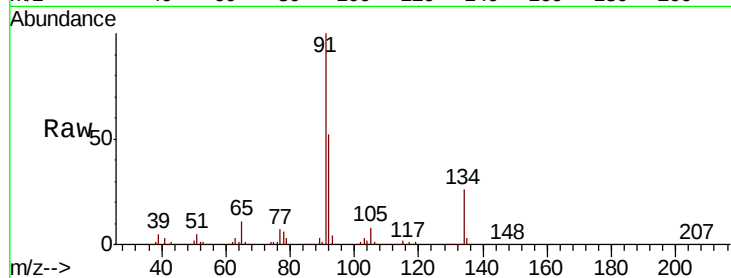
#89
n-Butylbenzene
Concen: 162.169 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.0	78.0
134	26.2	12.9	38.6

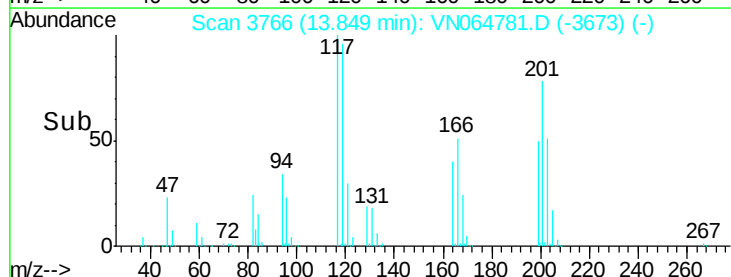
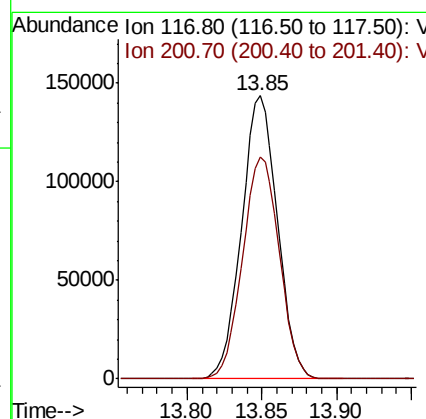
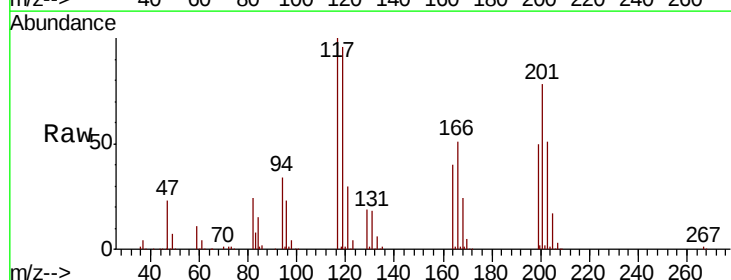
Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:15 PM



#90
Hexachloroethane
Concen: 178.178 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064781.D
Acq: 23 Nov 2020 13:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.4	40.1	120.3





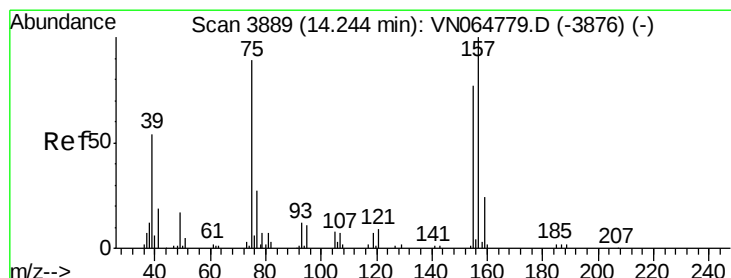
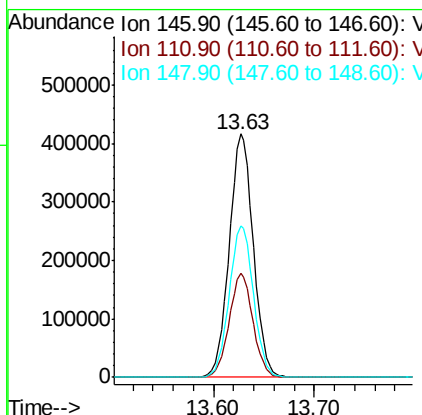
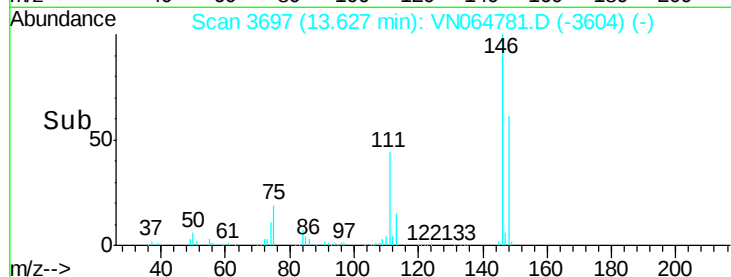
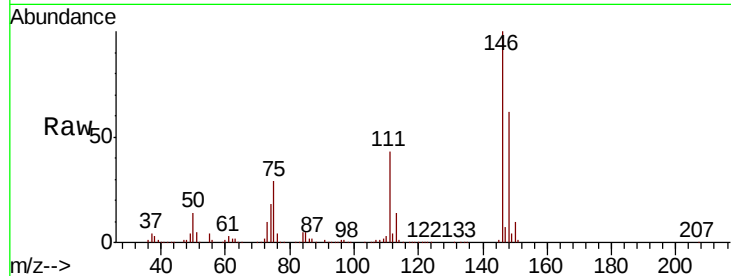
#91
 1,2-Dichlorobenzene
 Concen: 151.058 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064781.D
 Acq: 23 Nov 2020 13:30

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.1
148	63.0	32.0	96.2

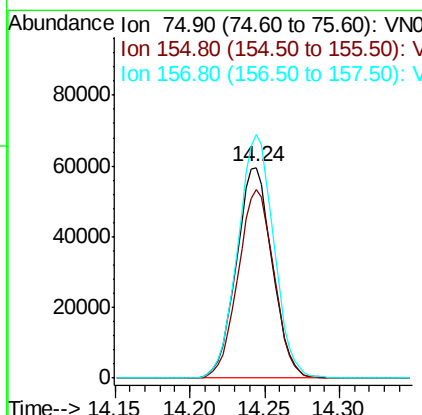
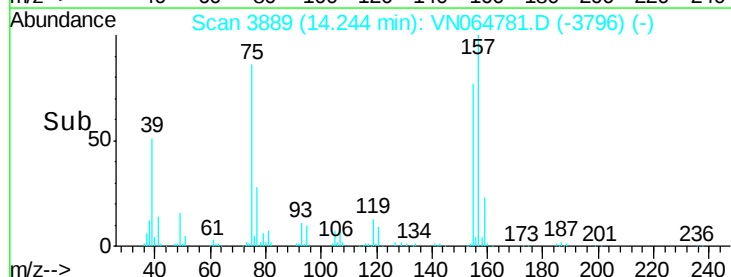
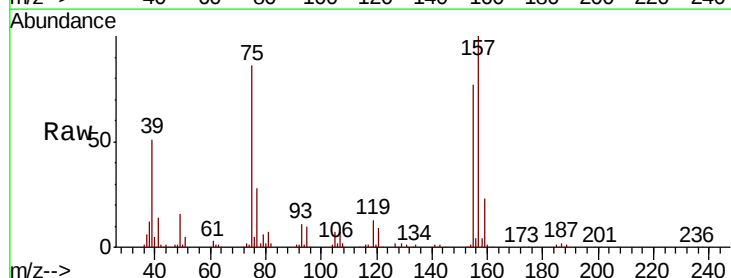
Manual Integrations
 APPROVED

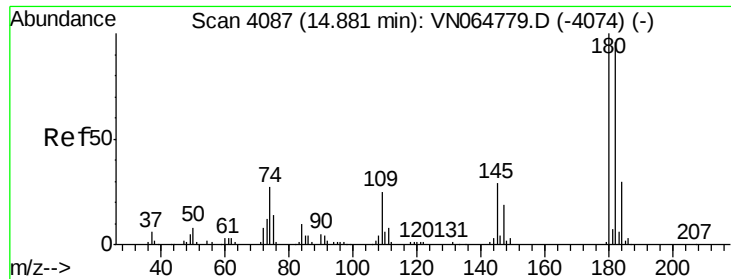
MMDadoda
 11/24/2020 3:01:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 136.062 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064781.D
 Acq: 23 Nov 2020 13:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	42.8	128.3
157	116.0	56.4	169.1





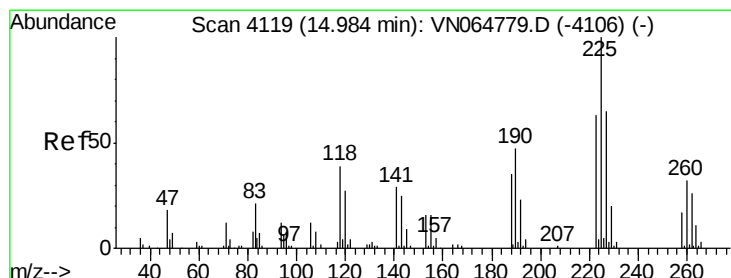
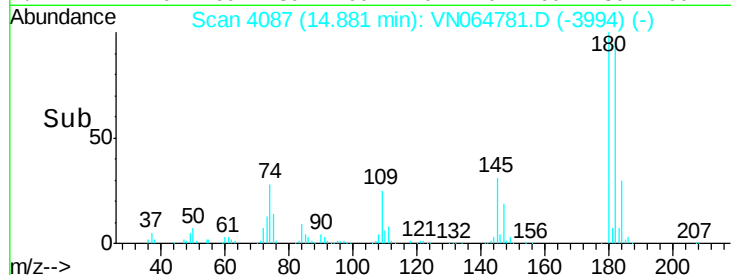
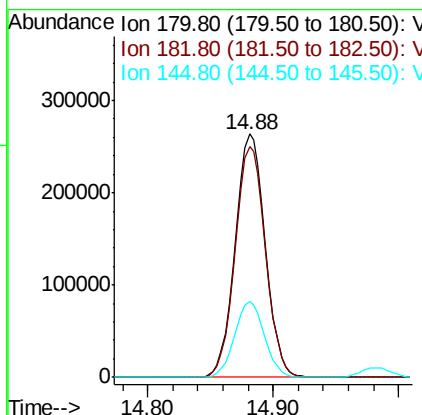
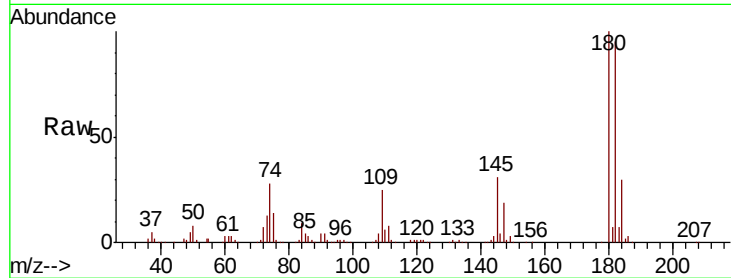
#93
 1,2,4-Trichlorobenzene
 Concen: 170.883 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064781.D
 Acq: 23 Nov 2020 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.6	142.9
145	31.1	15.3	45.8

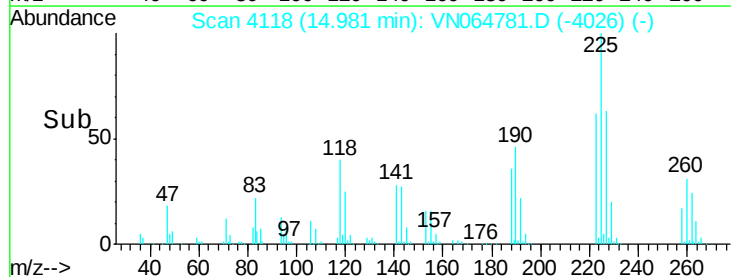
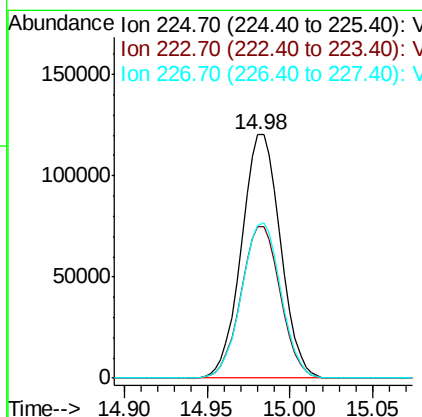
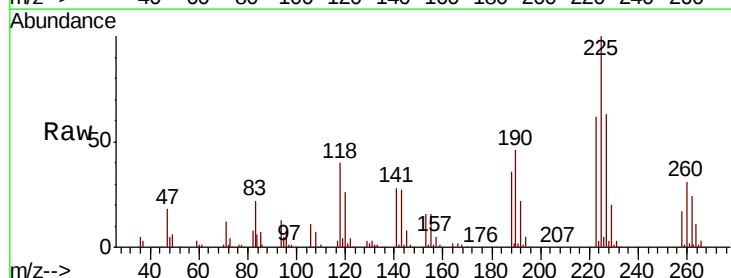
Manual Integrations
 APPROVED

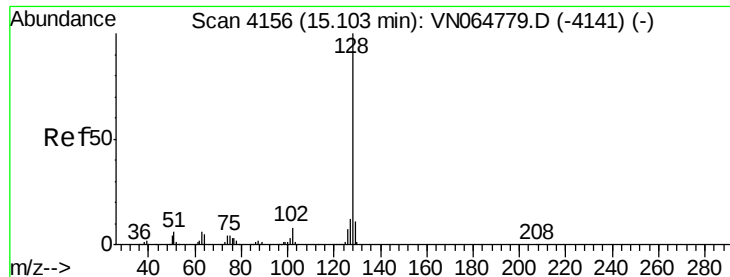
MMDadoda
 11/24/2020 3:01:15 PM



#94
 Hexachlorobutadiene
 Concen: 152.310 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064781.D
 Acq: 23 Nov 2020 13:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.0	93.0
227	64.3	32.0	96.0





#95

Naphthalene

Concen: 168.294 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1364149

Ion Ratio Lower Upper

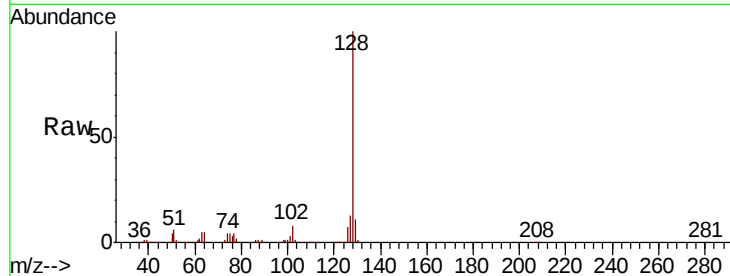
128 100

127 12.6 10.3 15.5

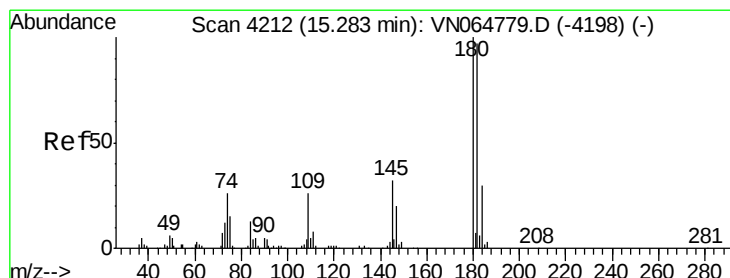
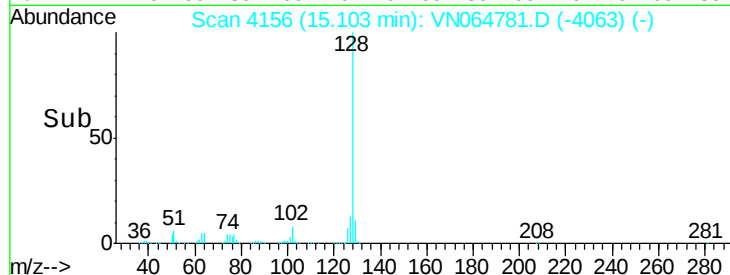
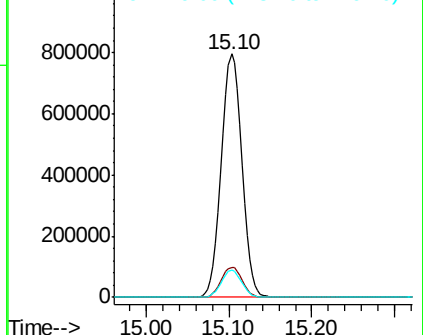
129 11.0 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:15 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 172.300 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064781.D

Acq: 23 Nov 2020 13:30

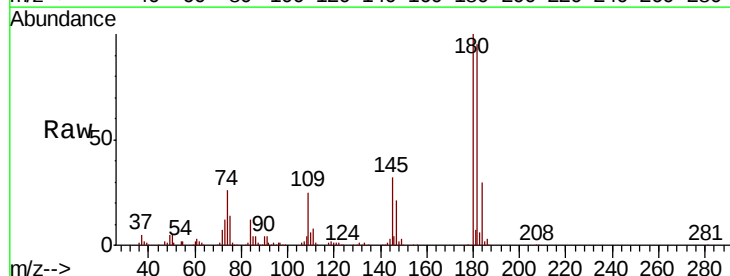
Tgt Ion:180 Resp: 424229

Ion Ratio Lower Upper

180 100

182 95.5 48.1 144.4

145 32.7 16.4 49.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

