

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101920\
 Data File : VX018958.D
 Acq On : 19 Oct 2020 17:36
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/20/2020 4:52:03 PM

Quant Time: Oct 19 18:21:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 17:59:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	98894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	176358	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	166988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	87026	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	60920	45.04	ug/l	0.00
Spiked Amount			Recovery	=	90.08%	
35) Dibromofluoromethane	5.46	113	51538	43.97	ug/l	0.00
Spiked Amount			Recovery	=	87.94%	
50) Toluene-d8	8.70	98	203773	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	
62) 4-Bromofluorobenzene	11.12	95	72944	42.79	ug/l	0.00
Spiked Amount			Recovery	=	85.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	46104	40.252	ug/l	100
3) Chloromethane	1.31	50	48536	39.688	ug/l	100
4) Vinyl Chloride	1.39	62	66591	52.320	ug/l	100
5) Bromomethane	1.62	94	56358	79.349	ug/l	100
6) Chloroethane	1.71	64	48569	66.995	ug/l	100
7) Trichlorofluoromethane	1.92	101	112397	62.212	ug/l	100
8) Diethyl Ether	2.17	74	44519	70.038	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.36	101	61888	62.924	ug/l	100
10) Methyl Iodide	2.49	142	59250	64.684	ug/l	100
11) Tert butyl alcohol	3.02	59	73964	270.421	ug/l	100
12) 1,1-Dichloroethene	2.36	96	65429	63.752	ug/l	100
13) Acrolein	2.28	56	47922	376.369	ug/l	100
14) Allyl chloride	2.71	41	73855	43.766	ug/l	100
15) Acrylonitrile	3.12	53	137485	230.280	ug/l	100
16) Acetone	2.42	43	121458	228.713	ug/l	100
17) Carbon Disulfide	2.55	76	139924	47.804	ug/l	100
18) Methyl Acetate	2.75	43	60362	47.245	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	166646	50.315	ug/l	100
20) Methylene Chloride	2.84	84	55481	45.872	ug/l	100
21) trans-1,2-Dichloroethene	3.14	96	57628	52.871	ug/l	100
22) Diisopropyl ether	3.83	45	146966	44.031	ug/l	100
23) Vinyl Acetate	3.79	43	720172	239.980	ug/l	100
24) 1,1-Dichloroethane	3.67	63	99826	51.018	ug/l	100
25) 2-Butanone	4.64	43	202241	232.876	ug/l	100
26) 2,2-Dichloropropane	4.55	77	93186	56.900	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	68921	54.478	ug/l	100
28) Bromochloromethane	4.98	49	42570	45.740	ug/l	100
29) Tetrahydrofuran	5.09	42	120384	220.874	ug/l	100
30) Chloroform	5.18	83	108446	53.004	ug/l	100
31) Cyclohexane	5.54	56	79907	48.949	ug/l	100
32) 1,1,1-Trichloroethane	5.46	97	99172	52.816	ug/l	100
36) 1,1-Dichloropropene	5.77	75	81933	50.442	ug/l	100
37) Ethyl Acetate	4.79	43	79266	43.040	ug/l	100
38) Carbon Tetrachloride	5.76	117	86857	47.939	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101920\
 Data File : VX018958.D
 Acq On : 19 Oct 2020 17:36
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/20/2020 4:52:03 PM

Quant Time: Oct 19 18:21:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 17:59:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	89983	50.722	ug/l	100
40) Benzene	6.11	78	243150	50.694	ug/l	100
41) Methacrylonitrile	5.00	41	41758	41.517	ug/l	100
42) 1,2-Dichloroethane	6.16	62	84181	46.562	ug/l	100
43) Isopropyl Acetate	6.42	43	131534	44.224	ug/l	100
44) Trichloroethene	7.19	130	64579	48.188	ug/l	100
45) 1,2-Dichloropropane	7.49	63	58805	46.420	ug/l	100
46) Dibromomethane	7.64	93	42850	47.628	ug/l	100
47) Bromodichloromethane	7.88	83	86932	48.524	ug/l	100
48) Methyl methacrylate	7.74	41	60932	41.561	ug/l	100
49) 1,4-Dioxane	7.71	88	28734	1048.710	ug/l	100
51) 4-Methyl-2-Pentanone	8.62	43	398014	218.161	ug/l	100
52) Toluene	8.76	92	161537	52.819	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	101195	50.596	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	104479	49.424	ug/l	100
55) 1,1,2-Trichloroethane	9.20	97	63624	49.390	ug/l	100
56) Ethyl methacrylate	9.16	69	98455	51.330	ug/l	100
57) 1,3-Dichloropropane	9.35	76	104685	49.327	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	253512	285.429	ug/l	100
59) 2-Hexanone	9.47	43	303692	219.482	ug/l	100
60) Dibromochloromethane	9.57	129	72586	48.364	ug/l	100
61) 1,2-Dibromoethane	9.65	107	69300	49.546	ug/l	100
64) Tetrachloroethene	9.32	164	57956	47.714	ug/l	100
65) Chlorobenzene	10.12	112	173008	51.651	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	64587	49.463	ug/l	100
67) Ethyl Benzene	10.23	91	304492	53.392	ug/l	100
68) m/p-Xylenes	10.34	106	238075	111.334	ug/l	100
69) o-Xylene	10.68	106	115325	55.412	ug/l	100
70) Styrene	10.70	104	195594	55.532	ug/l	100
71) Bromoform	10.84	173	54480	49.134	ug/l	# 100
73) Isopropylbenzene	11.00	105	301040	52.416	ug/l	100
74) N-amyl acetate	10.88	43	106145	40.973	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.25	83	96957	47.974	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	88405m	46.210	ug/l	
77) Bromobenzene	11.24	156	74030	47.075	ug/l	100
78) n-propylbenzene	11.34	91	342470	52.435	ug/l	100
79) 2-Chlorotoluene	11.40	91	200419	50.084	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	259016	54.670	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.05	75	36526	50.911	ug/l	100
82) 4-Chlorotoluene	11.49	91	238515	50.054	ug/l	100
83) tert-Butylbenzene	11.76	119	257494	54.734	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	261595	54.051	ug/l	100
85) sec-Butylbenzene	11.93	105	301995	56.296	ug/l	100
86) p-Isopropyltoluene	12.05	119	275039	56.076	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	137962	49.429	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	143733	51.127	ug/l	100
89) n-Butylbenzene	12.37	91	247441	55.029	ug/l	100
90) Hexachloroethane	12.58	117	45064	47.912	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	137710	52.236	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	22557	45.131	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101920\
Data File : VX018958.D
Acq On : 19 Oct 2020 17:36
Operator : JC/SP
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

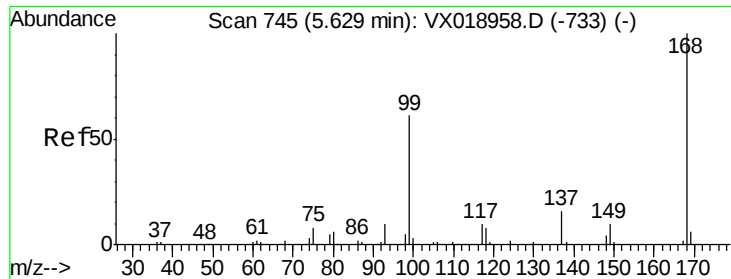
Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:03 PM

Quant Time: Oct 19 18:21:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101920W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 17:59:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	90885	51.691	ug/l	100
94) Hexachlorobutadiene	13.76	225	37782	53.777	ug/l	100
95) Naphthalene	13.82	128	321772	55.243	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	89255	51.274	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 98894

Ion Ratio Lower Upper

168 100

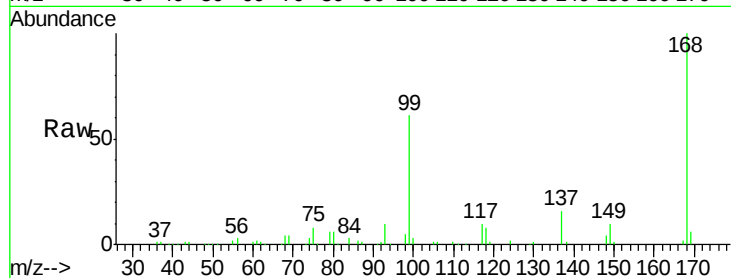
99 60.6 48.5 72.7

Manual Integrations

APPROVED

MMDadoda

10/20/2020 4:52:03 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

40000

30000

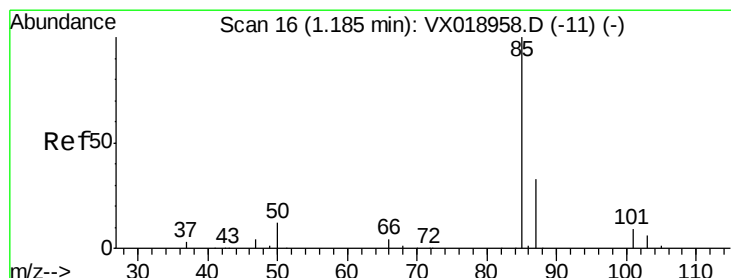
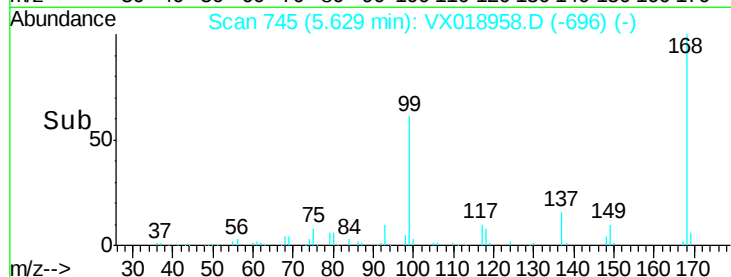
20000

10000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 40.252 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018958.D

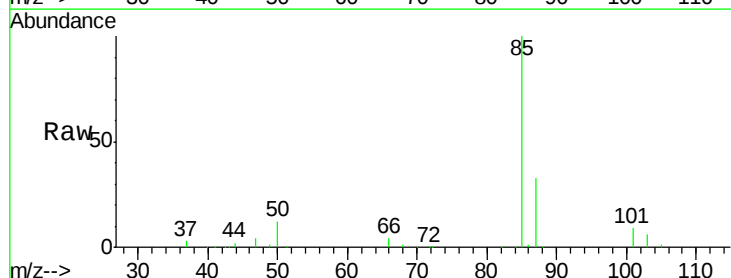
Acq: 19 Oct 2020 17:36

Tgt Ion: 85 Resp: 46104

Ion Ratio Lower Upper

85 100

87 33.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

60000

50000

40000

30000

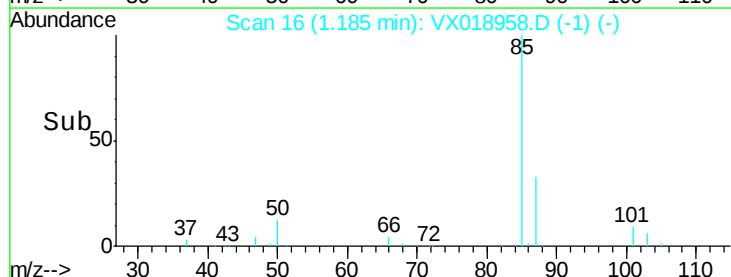
20000

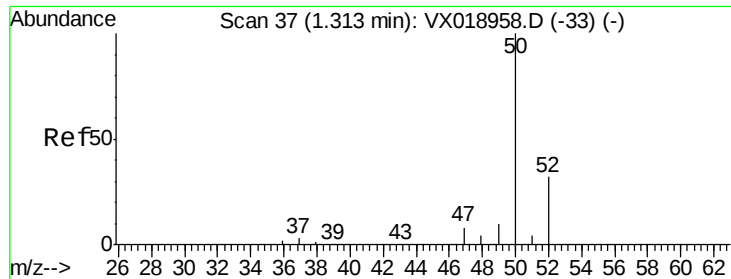
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 39.688 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 48536

Ion Ratio Lower Upper

50 100

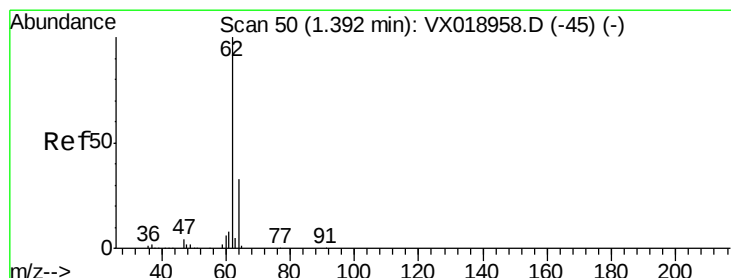
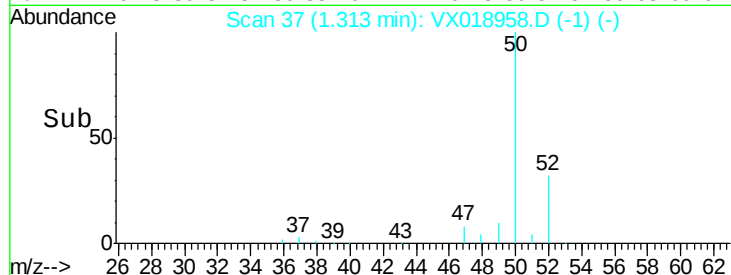
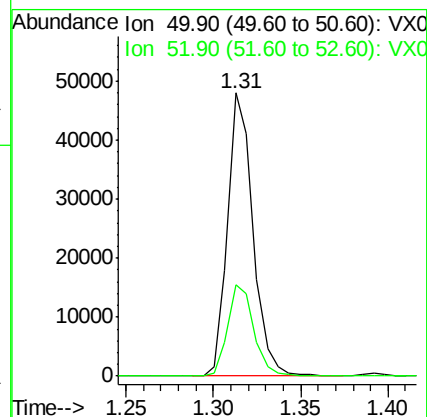
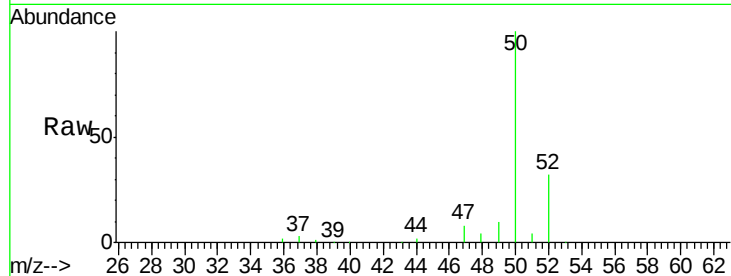
52 32.4 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

10/20/2020 4:52:03 PM



#4

Vinyl Chloride

Concen: 52.320 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018958.D

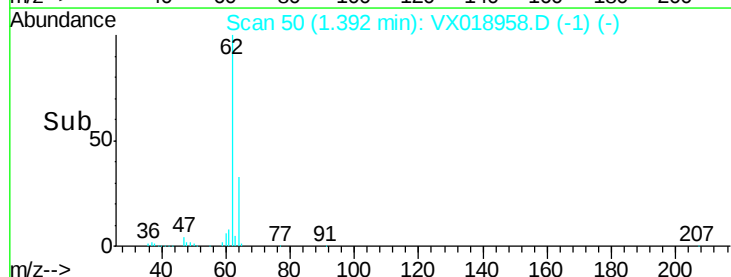
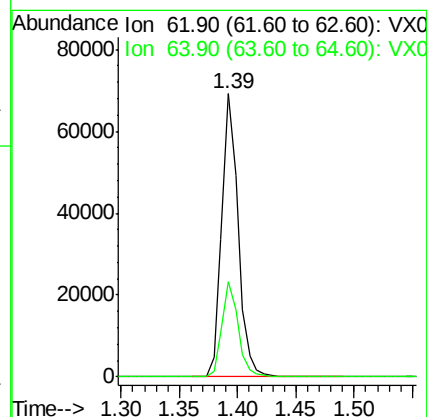
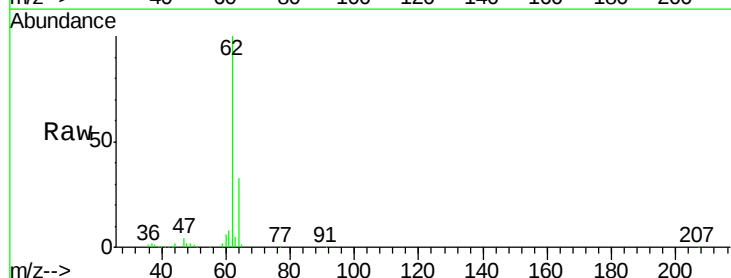
Acq: 19 Oct 2020 17:36

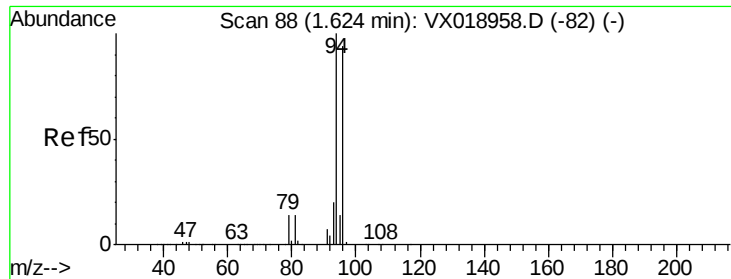
Tgt Ion: 62 Resp: 66591

Ion Ratio Lower Upper

62 100

64 33.4 26.7 40.1





#5

Bromomethane

Concen: 79.349 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 56358

Ion Ratio Lower Upper

94 100

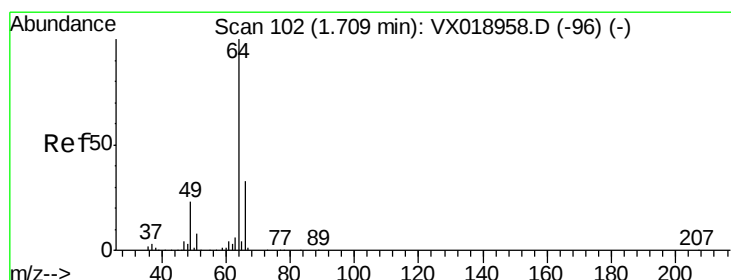
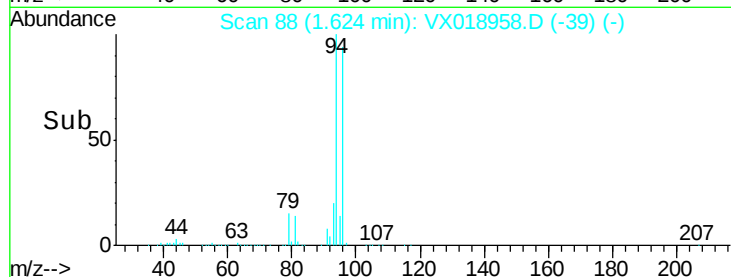
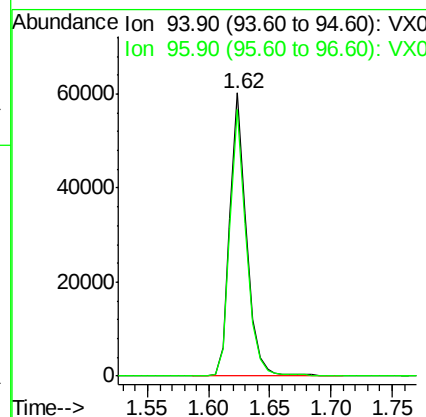
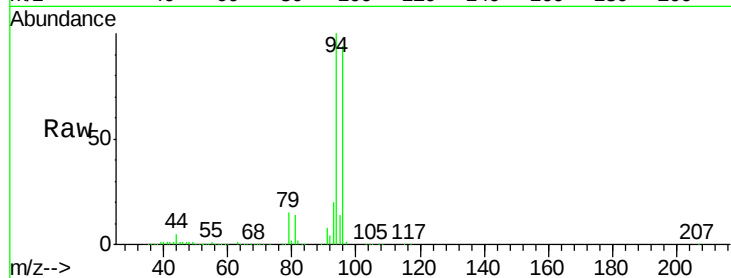
96 94.0 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

10/20/2020 4:52:03 PM



#6

Chloroethane

Concen: 66.995 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX018958.D

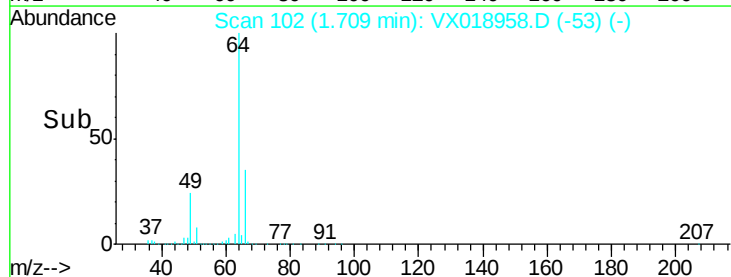
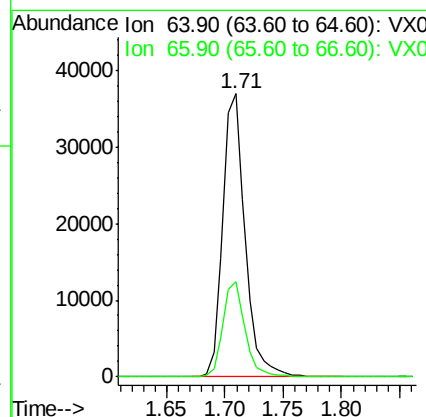
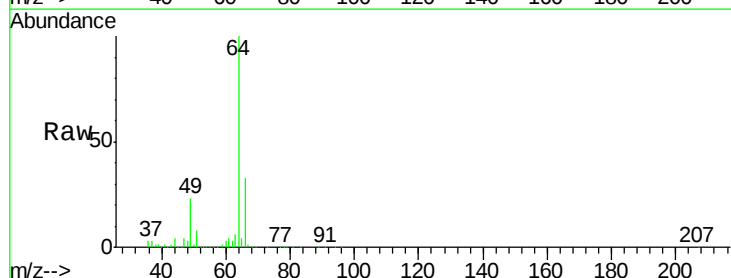
Acq: 19 Oct 2020 17:36

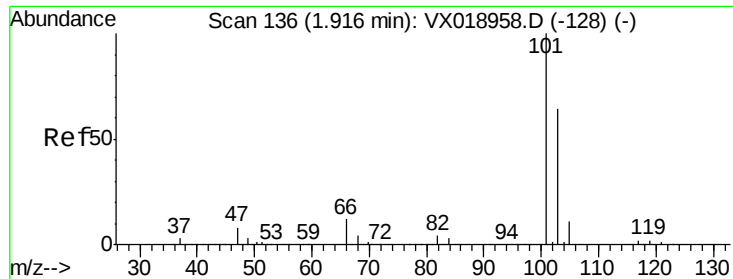
Tgt Ion: 64 Resp: 48569

Ion Ratio Lower Upper

64 100

66 33.4 26.7 40.1





#7

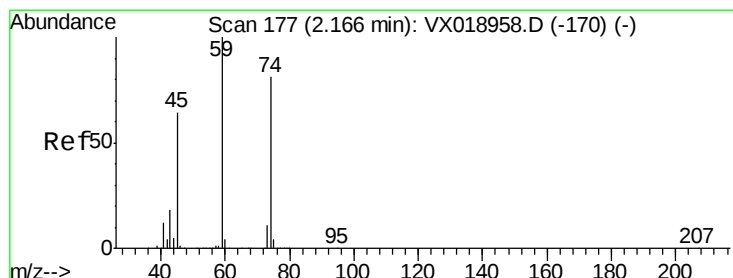
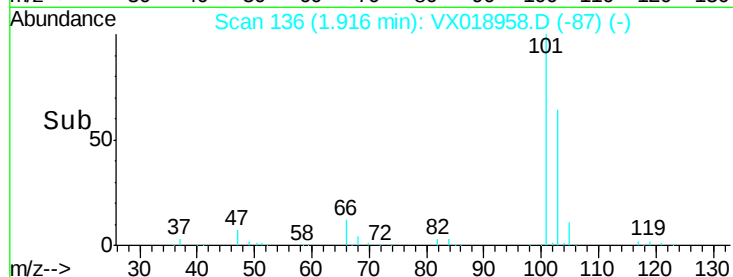
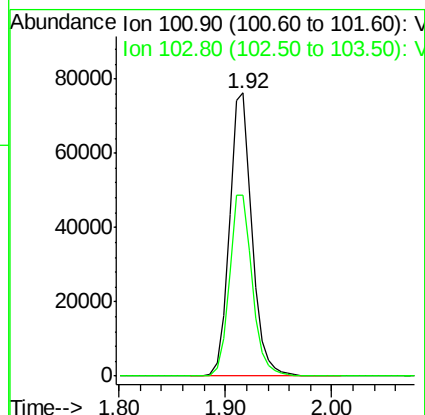
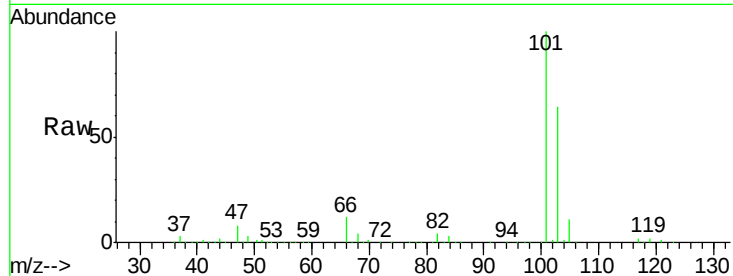
Trichlorofluoromethane
 Concen: 62.212 ug/l
 RT: 1.92 min Scan# 136
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.3	76.9

Manual Integrations
 APPROVED

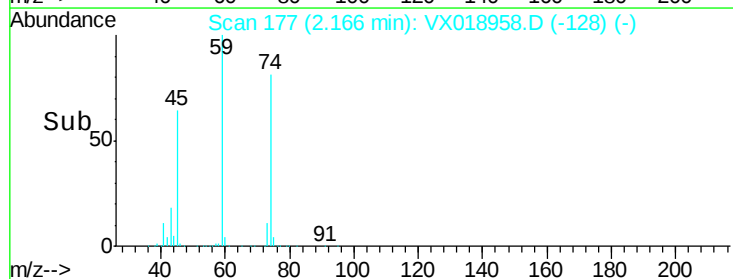
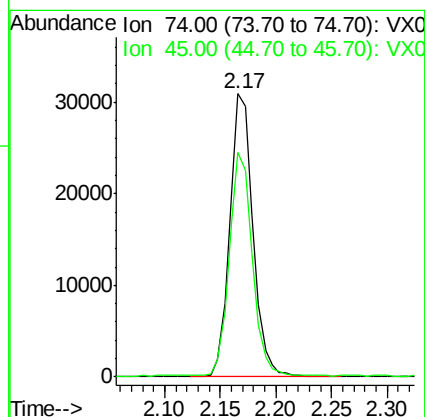
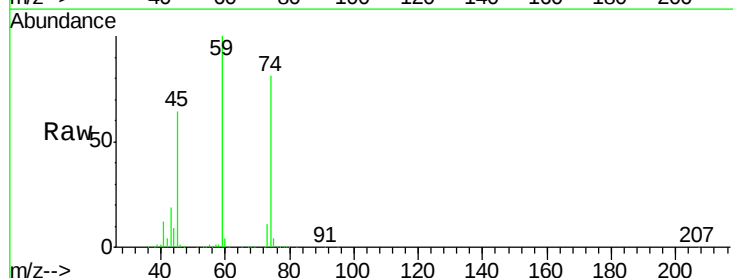
MMDadoda
 10/20/2020 4:52:03 PM

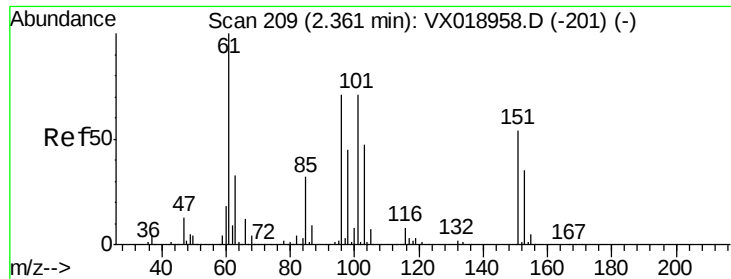


#8

Diethyl Ether
 Concen: 70.038 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.2	39.1	117.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 62.924 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Instrument :

MSVOA_X

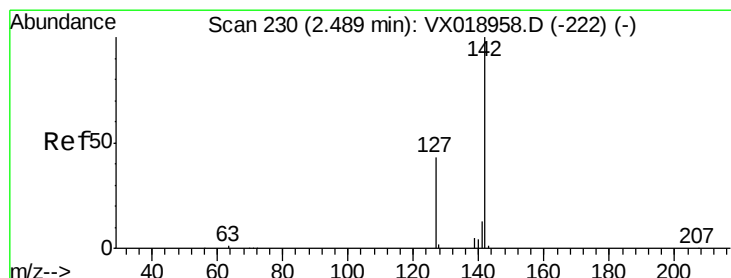
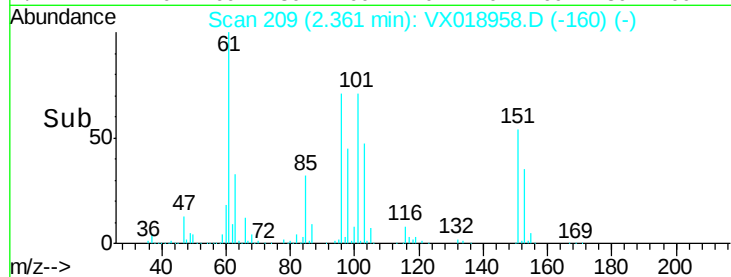
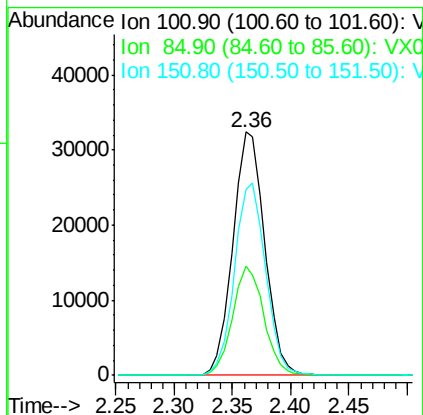
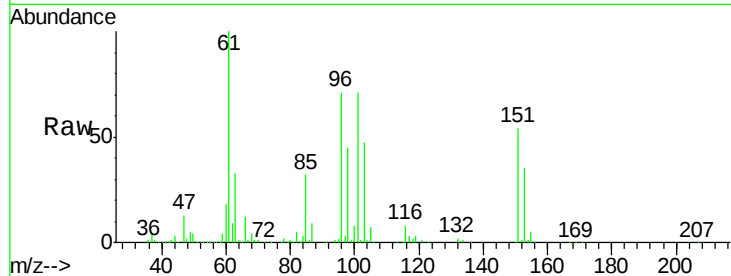
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	61888
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.1	52.7
151	77.6	62.1	93.1

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:03 PM



#10

Methyl Iodide

Concen: 64.684 ug/l

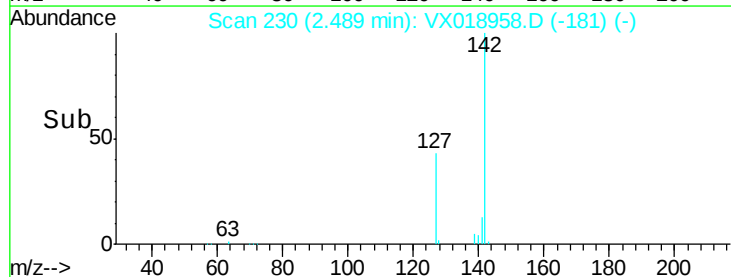
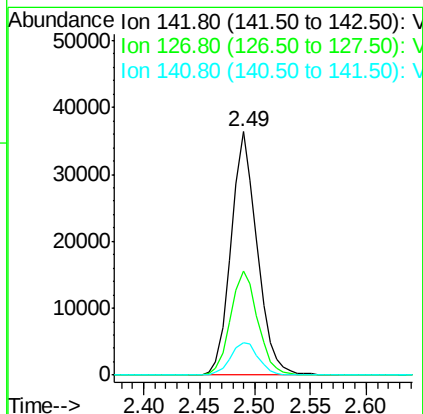
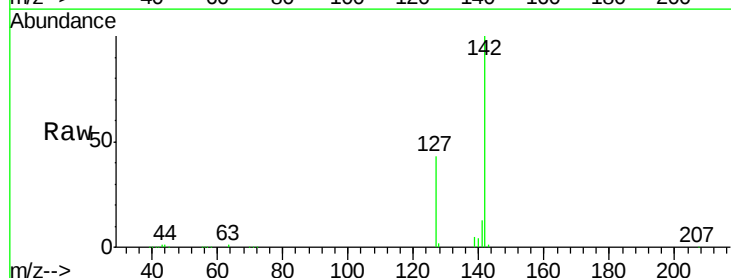
RT: 2.49 min Scan# 230

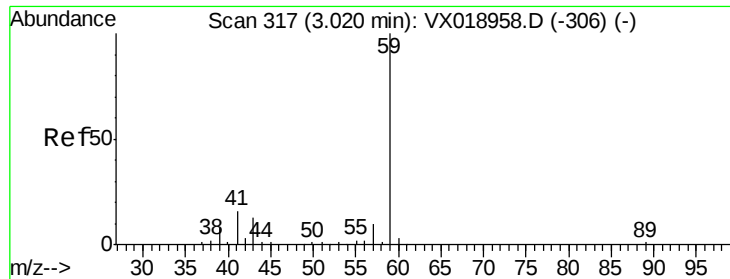
Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Tgt Ion:	142	Resp:	59250
Ion Ratio	Lower	Upper	
142	100		
127	44.9	35.9	53.9
141	14.5	11.6	17.4





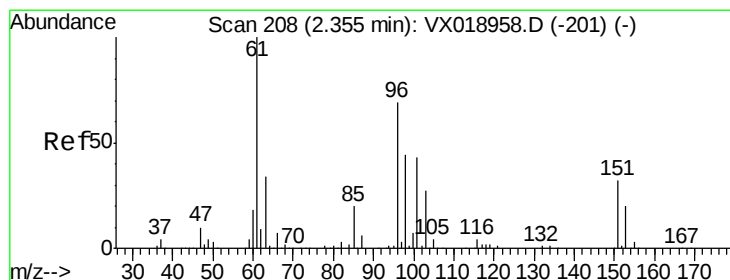
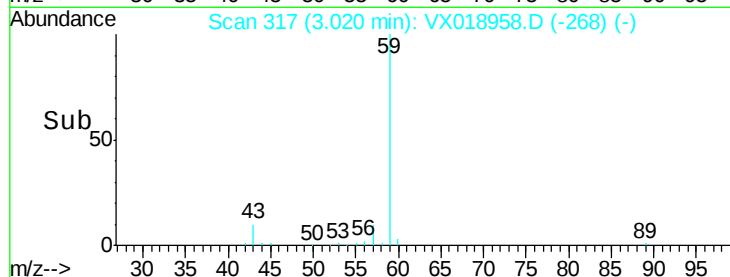
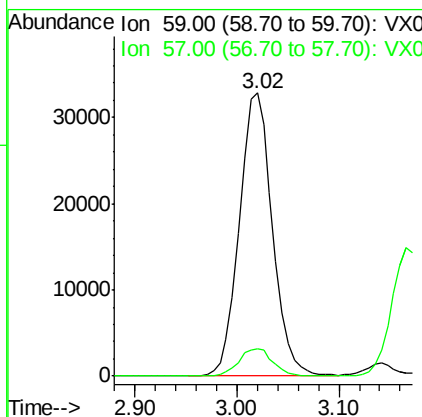
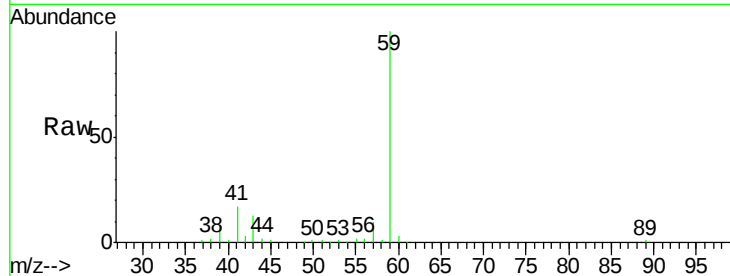
#11
Tert butyl alcohol
Concen: 270.421 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

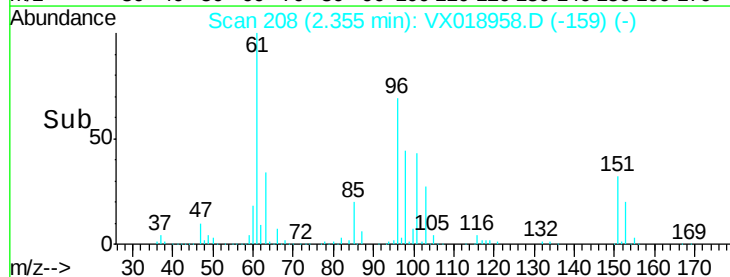
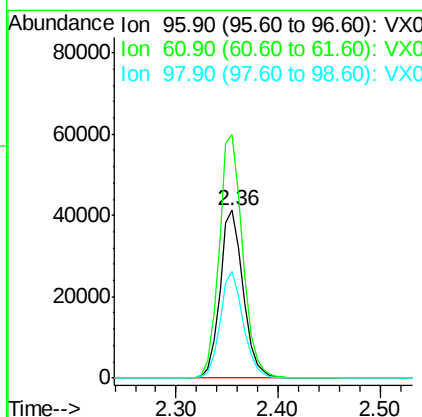
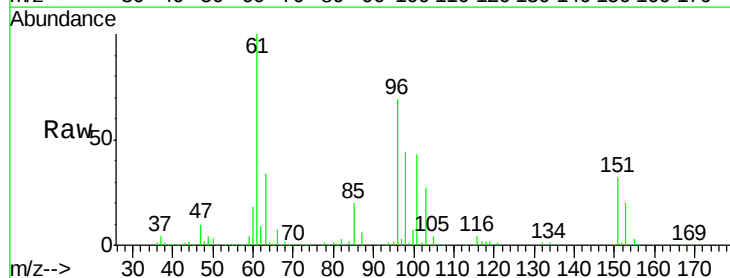
Manual Integrations
APPROVED

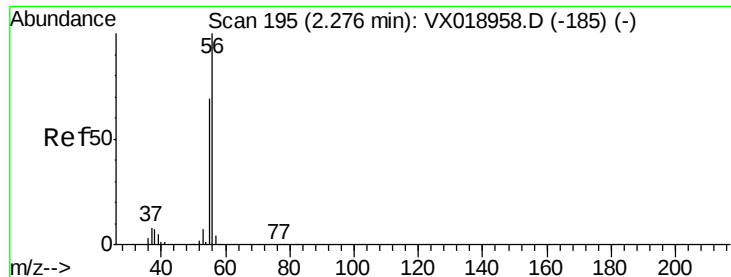
MMDadoda
10/20/2020 4:52:03 PM



#12
1,1-Dichloroethene
Concen: 63.752 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.2	116.2	174.2
98	63.6	50.9	76.3





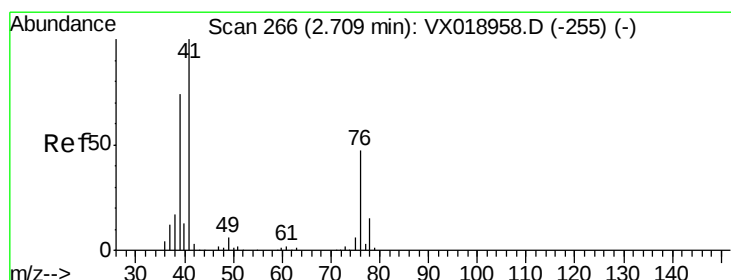
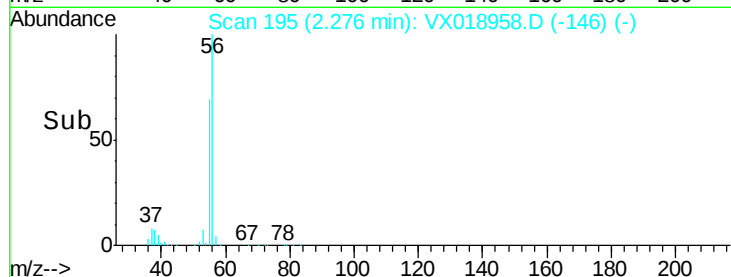
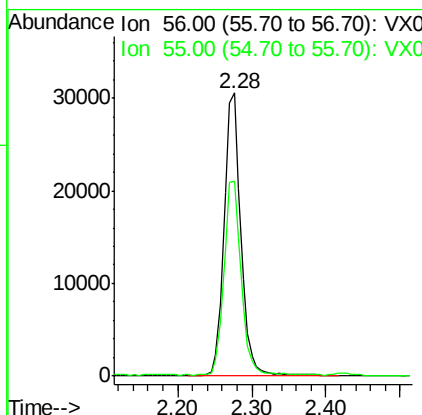
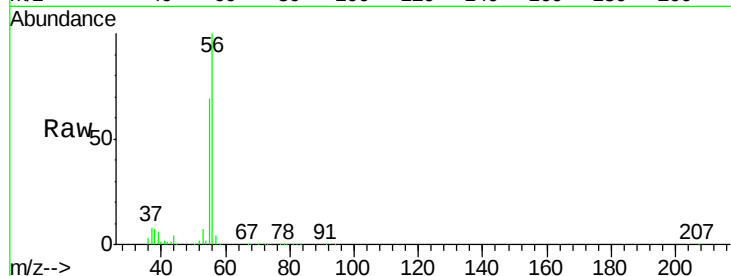
#13
Acrolein
Concen: 376.369 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	47922
Ion Ratio	100	Lower	Upper
55	70.2	56.2	84.2

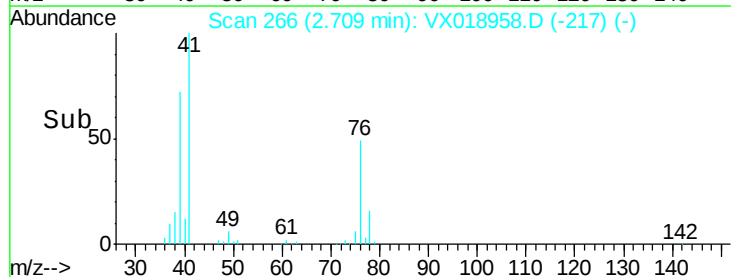
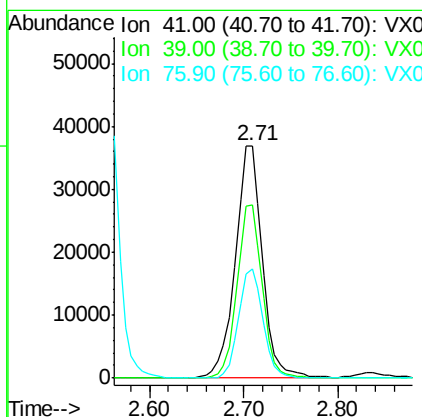
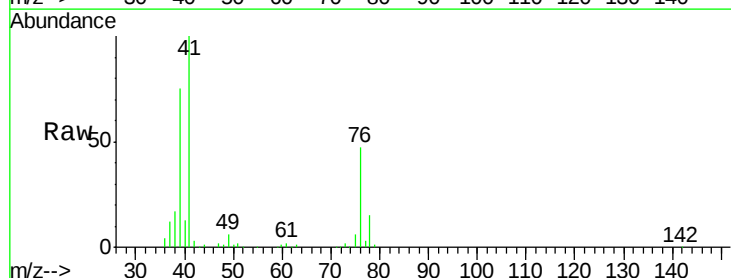
Manual Integrations
APPROVED

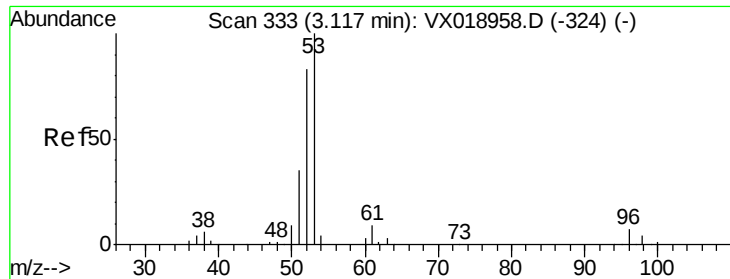
MMDadoda
10/20/2020 4:52:03 PM



#14
Allyl chloride
Concen: 43.766 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Tgt Ion	41	Resp	73855
Ion Ratio	100	Lower	Upper
39	69.3	55.4	83.2
76	42.6	34.1	51.1





#15

Acrylonitrile

Concen: 230.280 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Instrument :

MSVOA_X

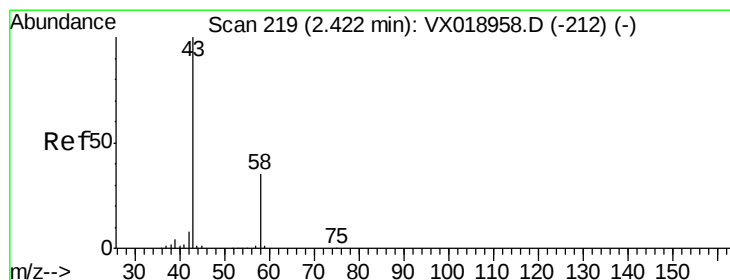
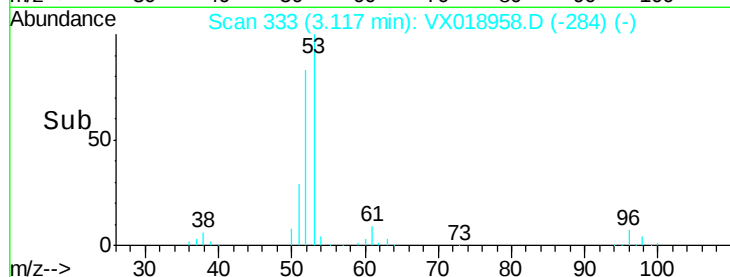
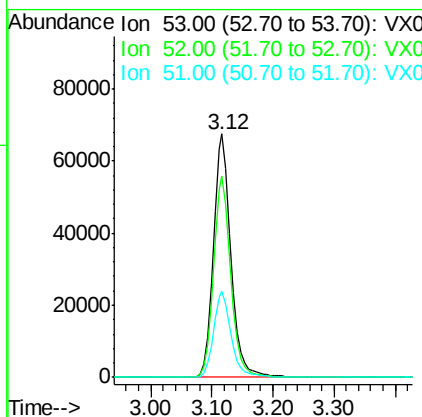
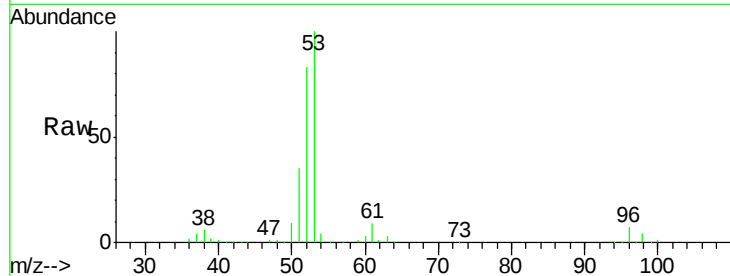
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	137485
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.3	97.9
51	35.8	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:03 PM



#16

Acetone

Concen: 228.713 ug/l

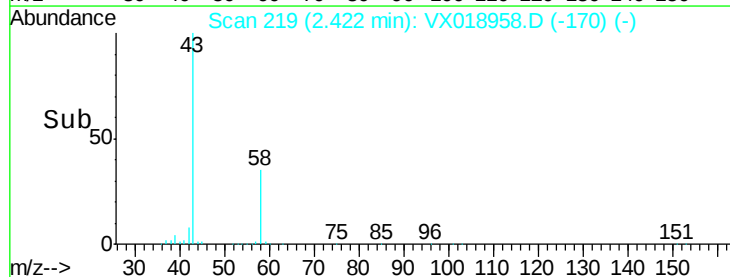
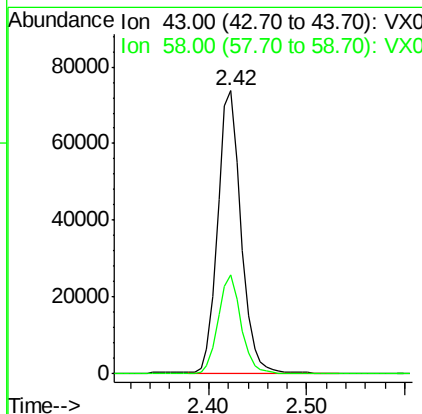
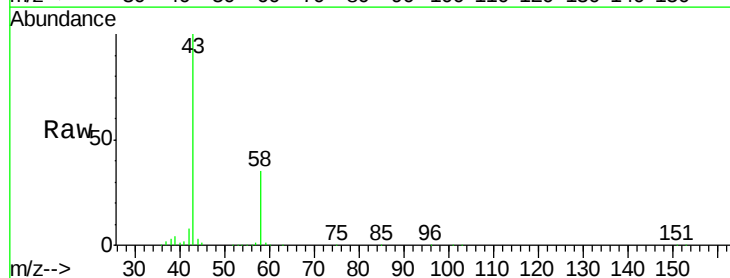
RT: 2.42 min Scan# 219

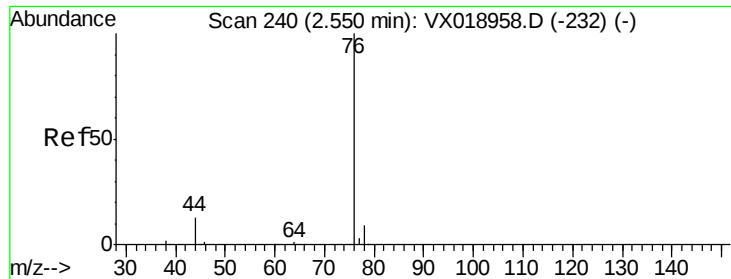
Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Tgt Ion:	43	Resp:	121458
Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.8	41.8





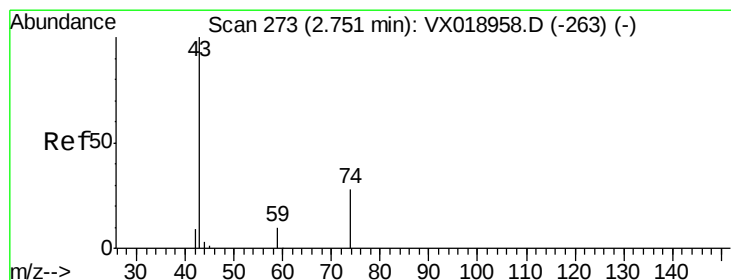
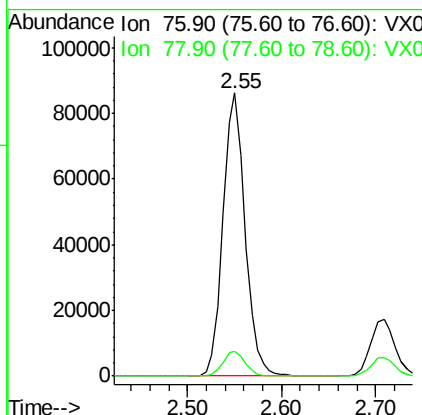
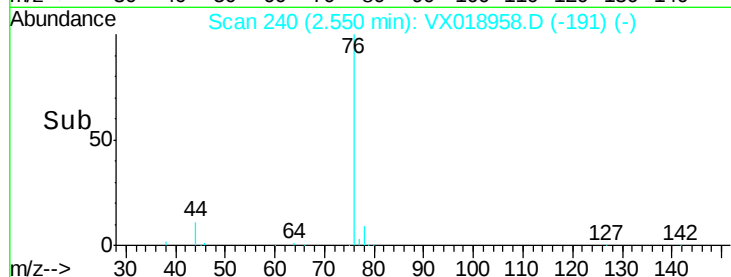
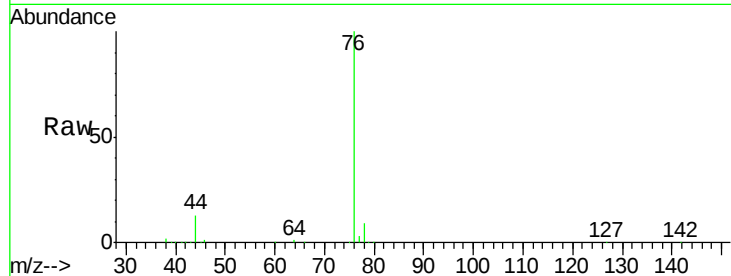
#17
Carbon Disulfide
Concen: 47.804 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.9	10.3

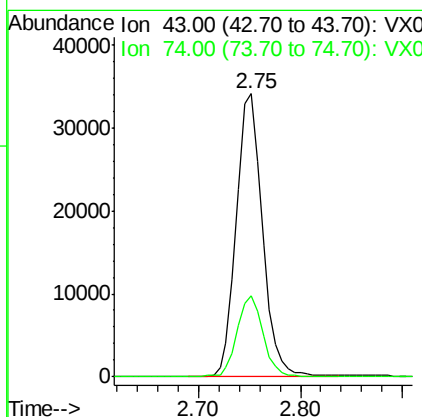
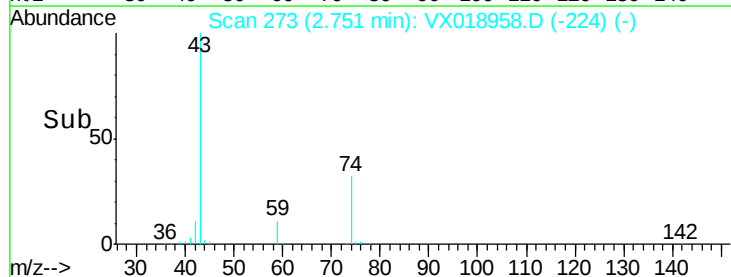
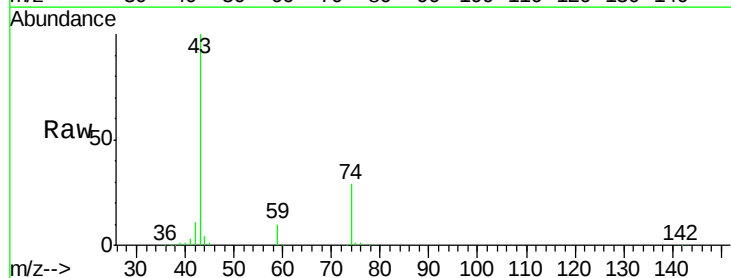
Manual Integrations
APPROVED

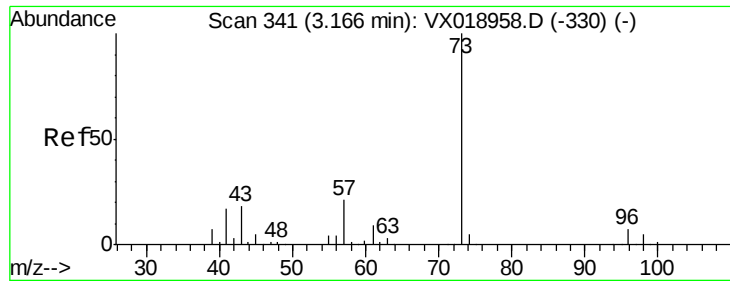
MMDadoda
10/20/2020 4:52:03 PM



#18
Methyl Acetate
Concen: 47.245 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.8	23.0	34.6





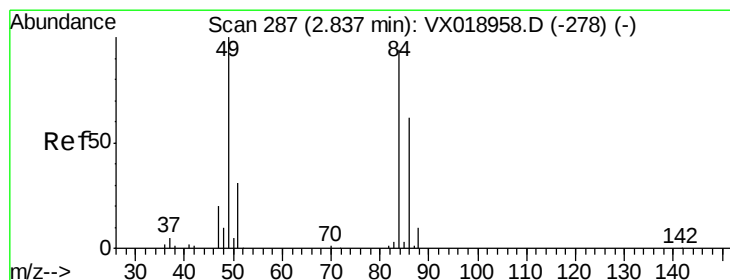
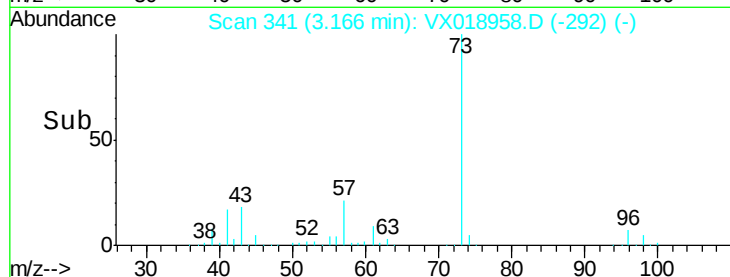
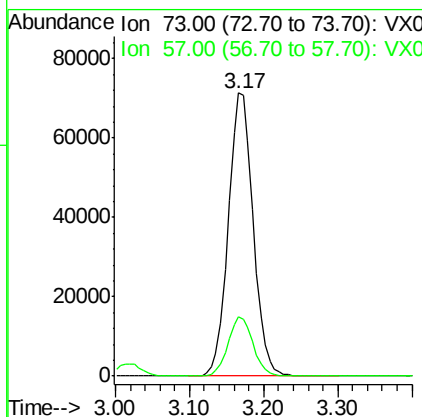
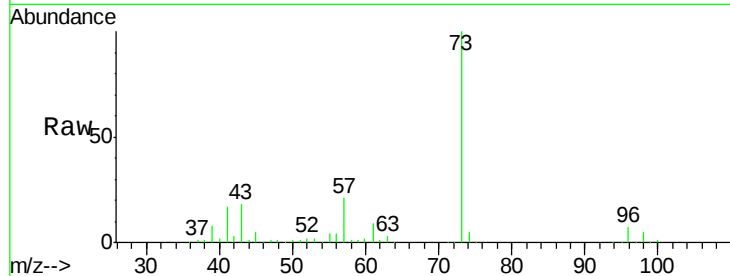
#19
Methyl tert-butyl Ether
Concen: 50.315 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 166646
Ion Ratio Lower Upper
73 100
57 20.8 16.6 25.0

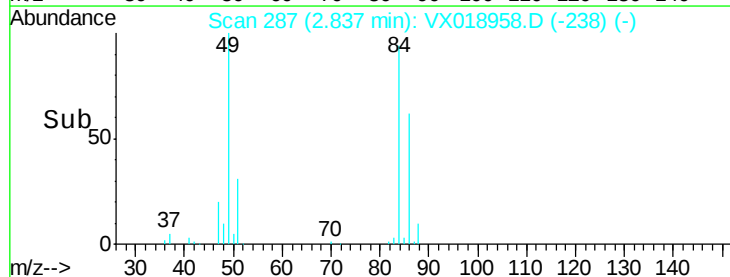
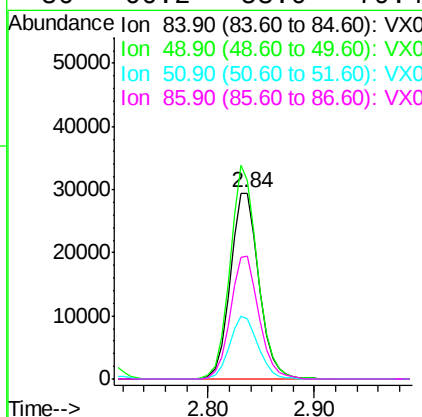
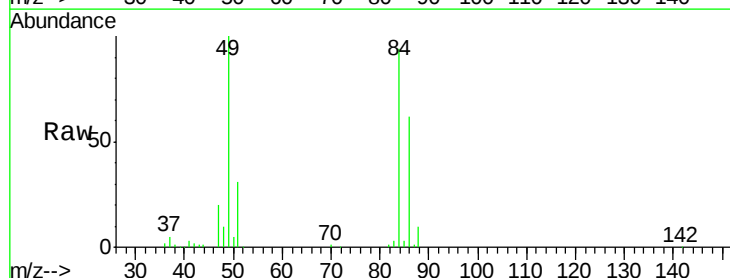
Manual Integrations
APPROVED

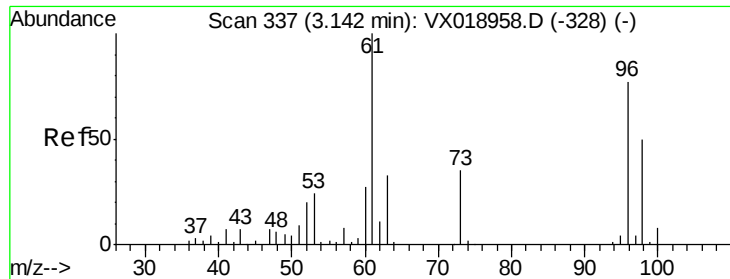
MMDadoda
10/20/2020 4:52:03 PM



#20
Methylene Chloride
Concen: 45.872 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Tgt Ion: 84 Resp: 55481
Ion Ratio Lower Upper
84 100
49 106.4 85.1 127.7
51 32.5 26.0 39.0
86 66.2 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 52.871 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 57628

Ion Ratio Lower Upper

96 100

61 129.2 103.4 155.0

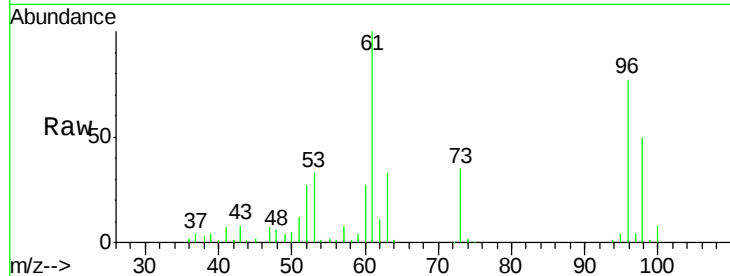
98 64.6 51.7 77.5

Manual Integrations

APPROVED

MMDadoda

10/20/2020 4:52:03 PM

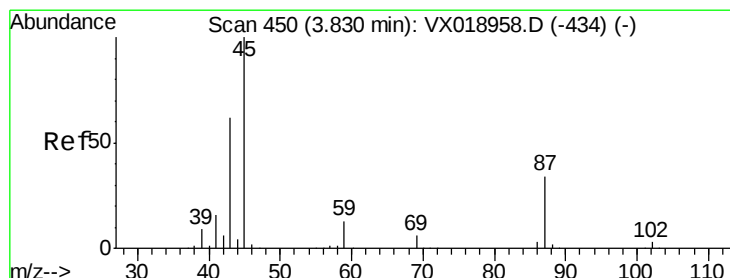
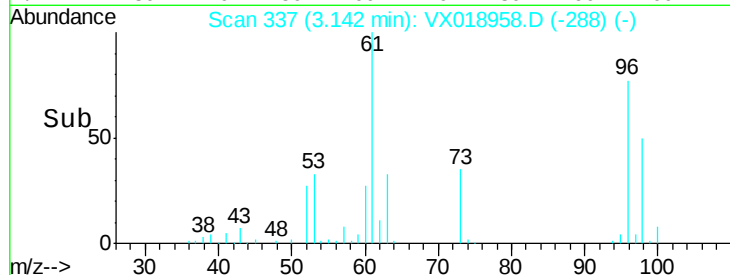
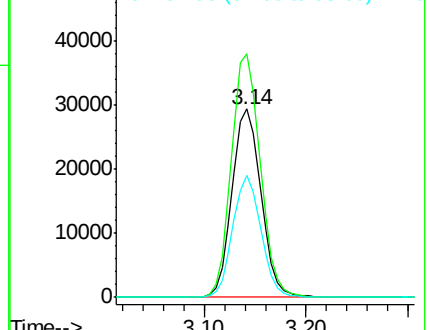


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 44.031 ug/l

RT: 3.83 min Scan# 450

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Tgt Ion: 45 Resp: 146966

Ion Ratio Lower Upper

45 100

43 62.1 49.7 74.5

87 34.3 27.4 41.2

59 12.6 10.1 15.1

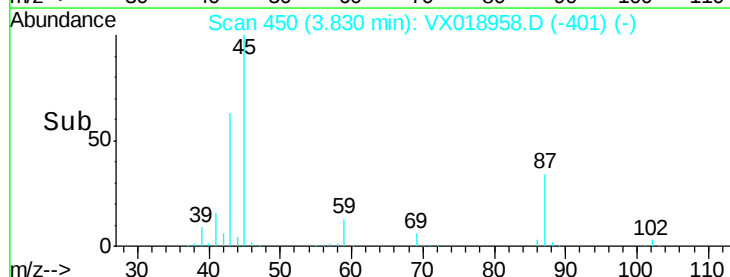
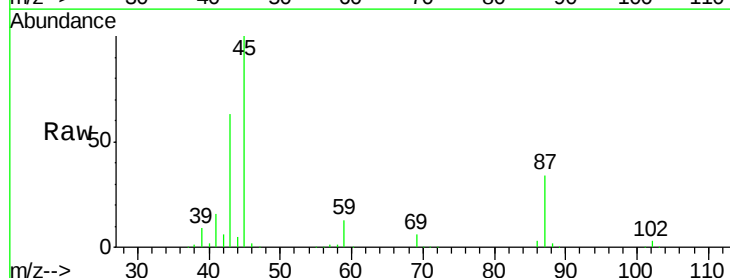
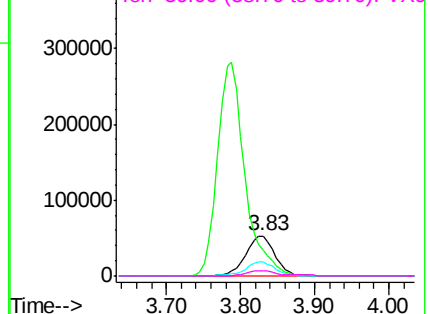
Abundance

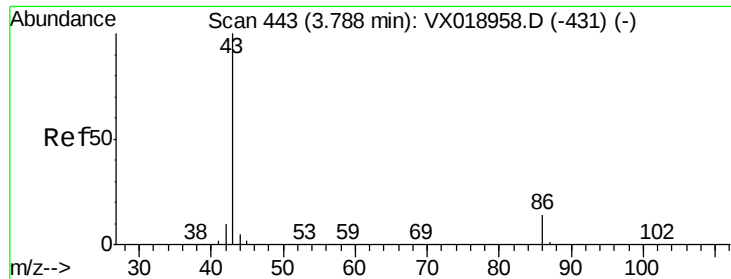
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 239.980 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 720172

Ion Ratio Lower Upper

43 100

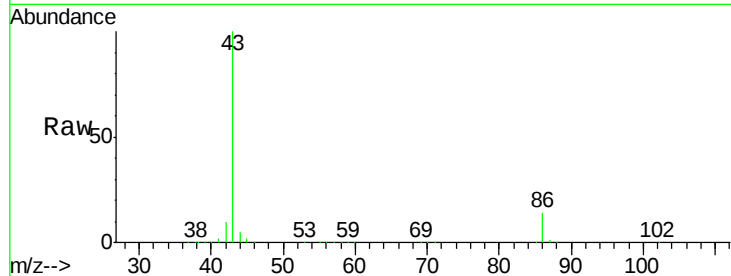
86 13.6 10.9 16.3

Manual Integrations

APPROVED

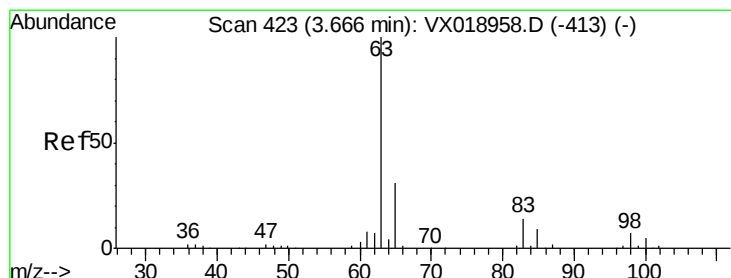
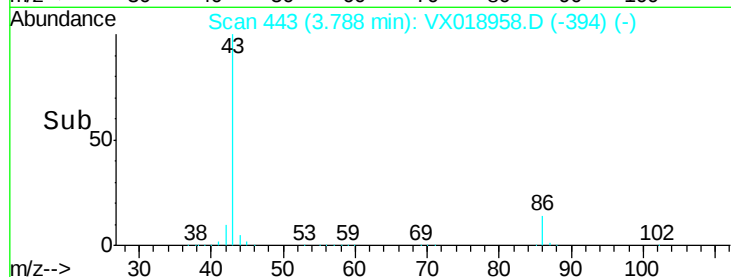
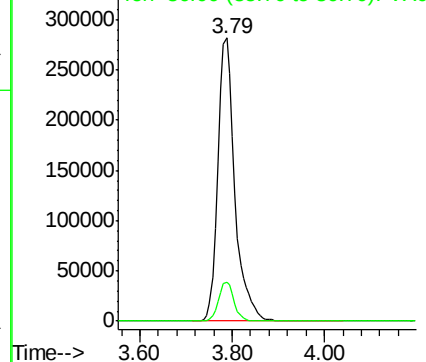
MMDadoda

10/20/2020 4:52:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.018 ug/l

RT: 3.67 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

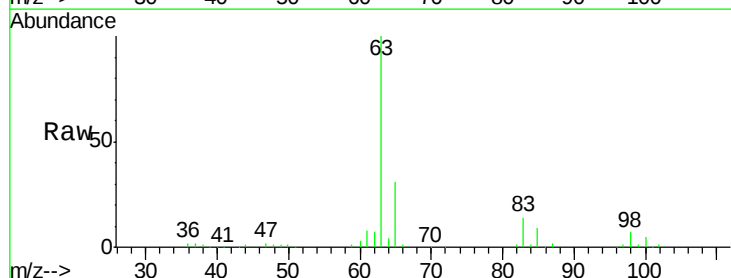
Tgt Ion: 63 Resp: 99826

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

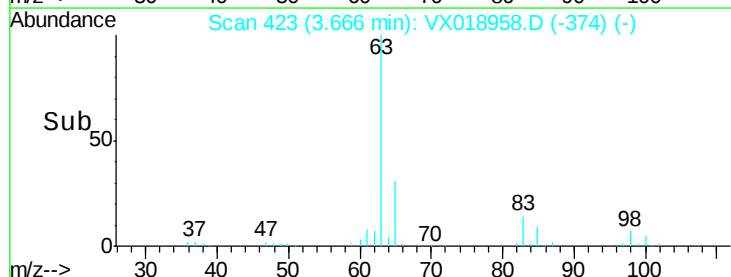
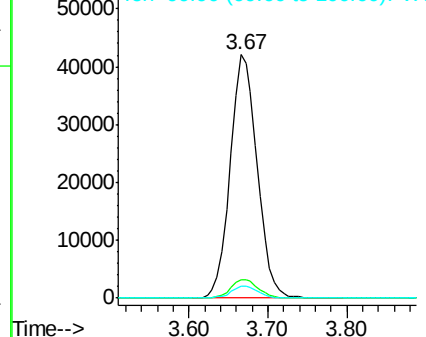
100 4.7 2.4 7.1

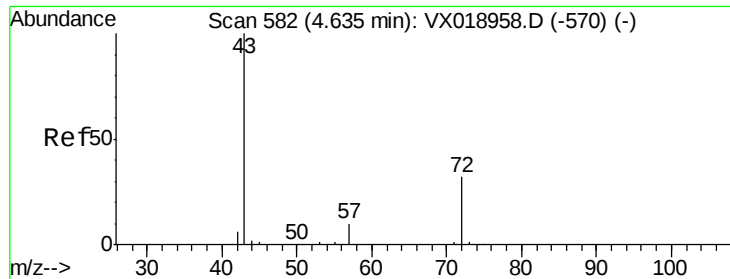


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 232.876 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 202241

Ion Ratio Lower Upper

43 100

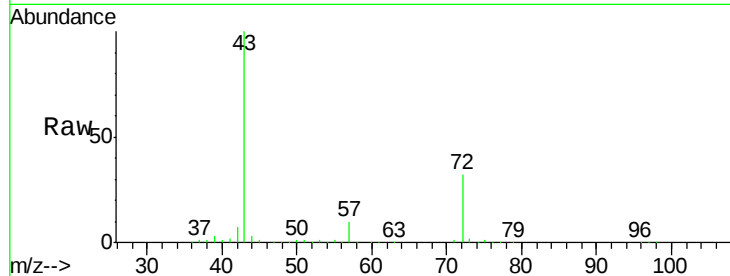
72 32.2 25.8 38.6

Manual Integrations

APPROVED

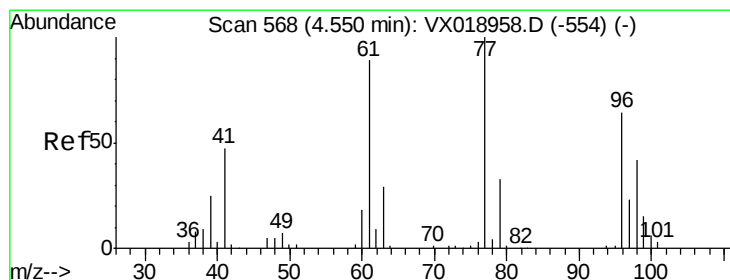
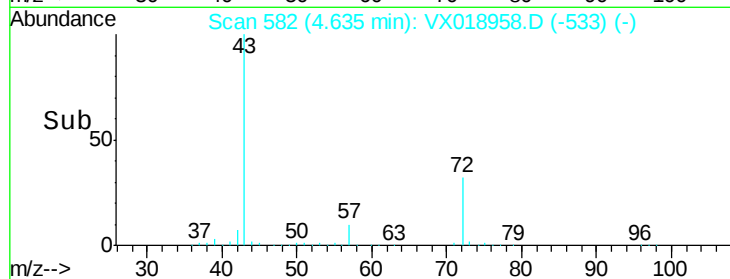
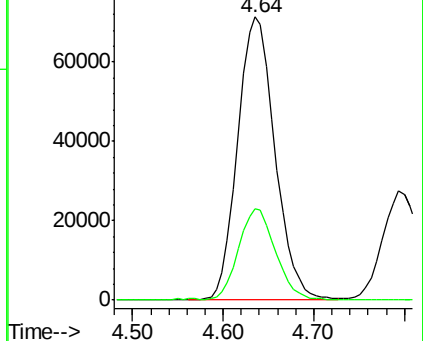
MMDadoda

10/20/2020 4:52:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 56.900 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.00 min

Lab File: VX018958.D

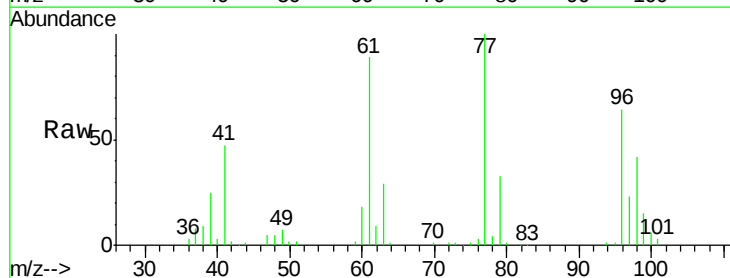
Acq: 19 Oct 2020 17:36

Tgt Ion: 77 Resp: 93186

Ion Ratio Lower Upper

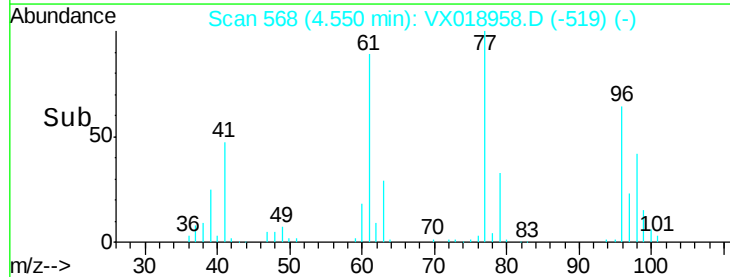
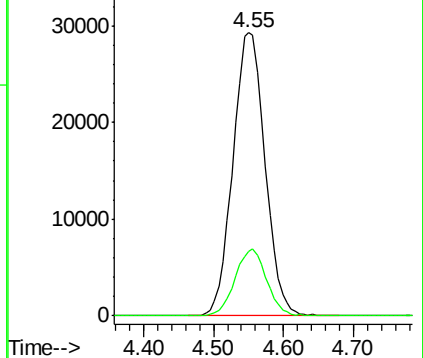
77 100

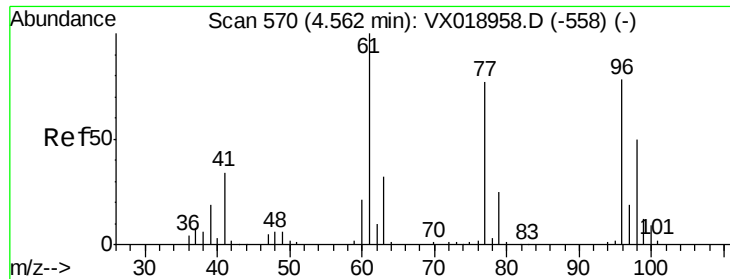
97 23.2 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

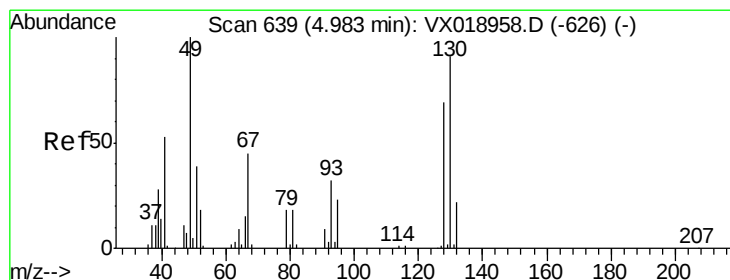
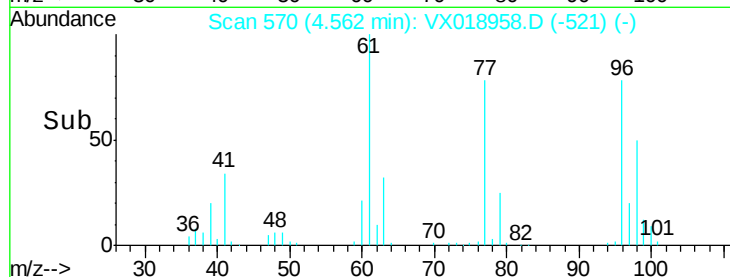
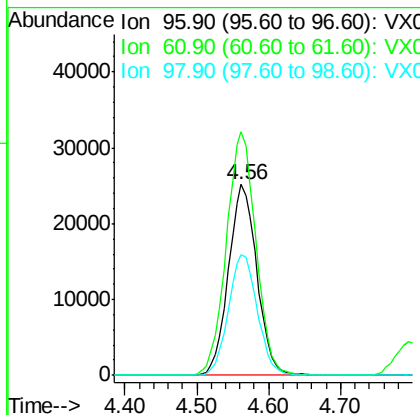
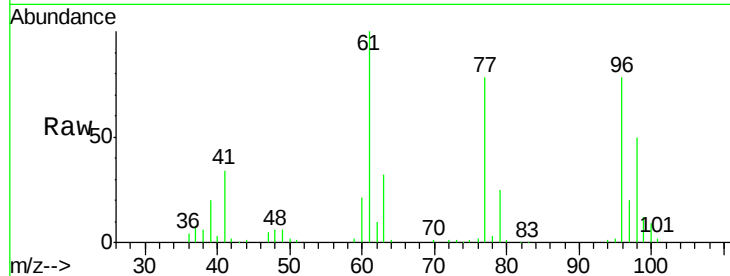
cis-1,2-Dichloroethene
Concen: 54.478 ug/l
RT: 4.56 min Scan# 570
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	68921		
61	132.6	0.0	265.2	
98	64.2	0.0	128.4	

Manual Integrations
APPROVED

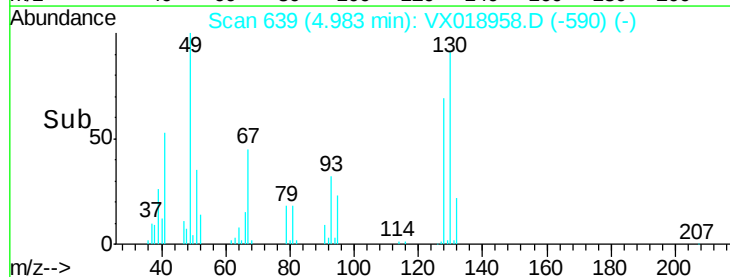
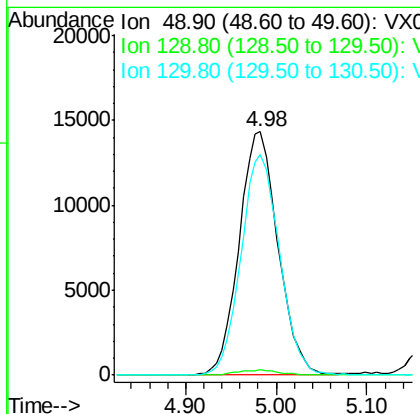
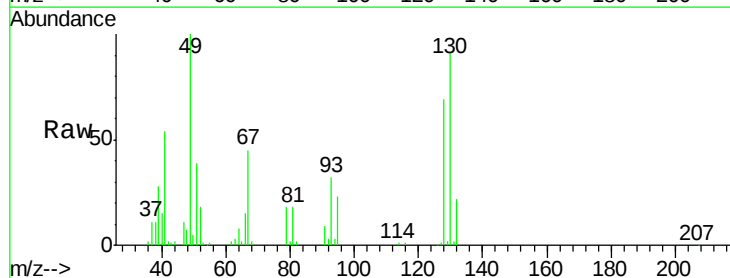
MMDadoda
10/20/2020 4:52:03 PM

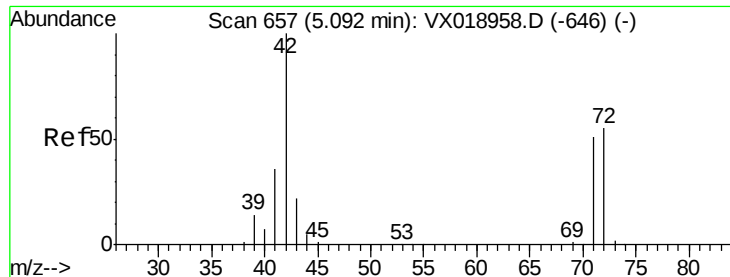


#28

Bromochloromethane
Concen: 45.740 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	42570		
129	2.1	0.0	4.2	
130	90.0	72.0	108.0	





#29

Tetrahydrofuran

Concen: 220.874 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Instrument :

MSVOA_X

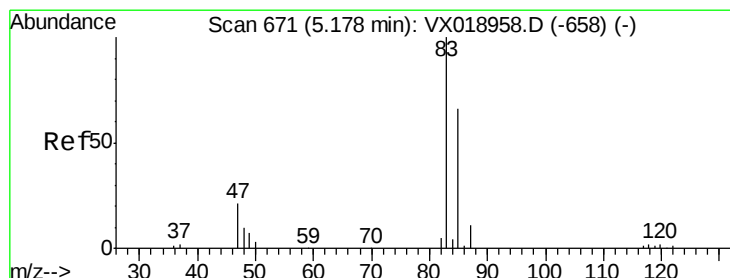
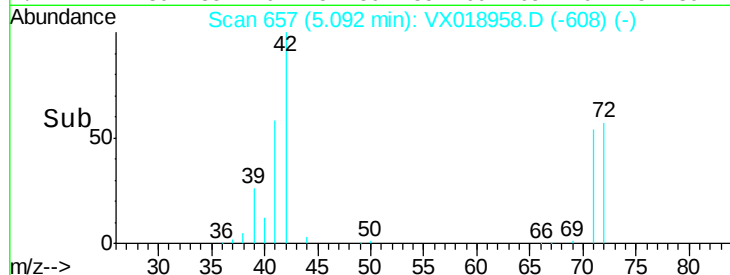
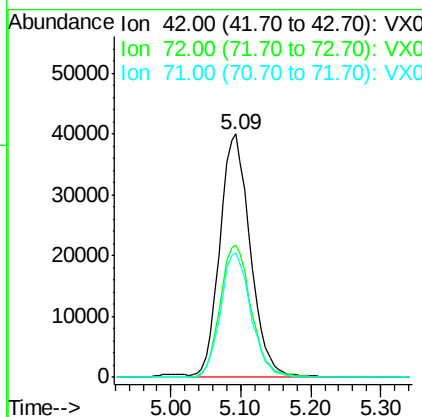
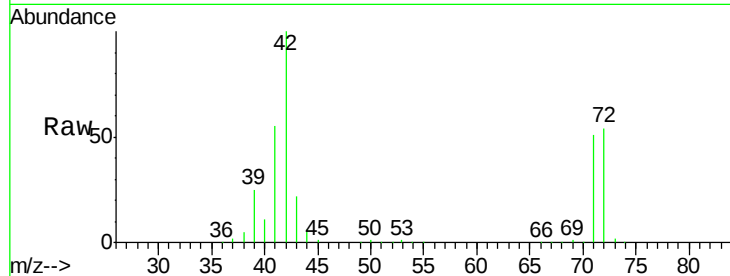
ClientSampleId :

VSTDICCC050

Tot Ion:	42	Resp:	120384
Ion	Ratio	Lower	Upper
42	100		
72	56.1	44.9	67.3
71	51.3	41.0	61.6

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:03 PM



#30

Chloroform

Concen: 53.004 ug/l

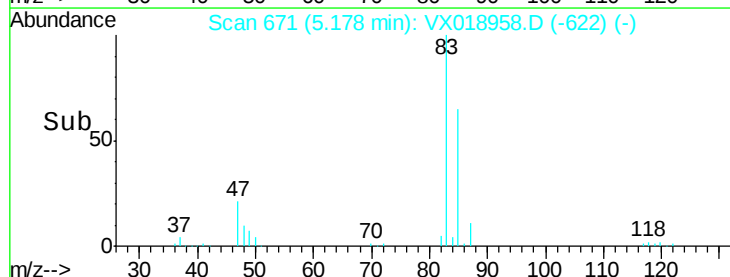
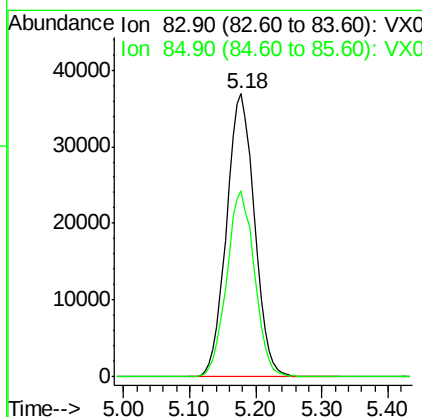
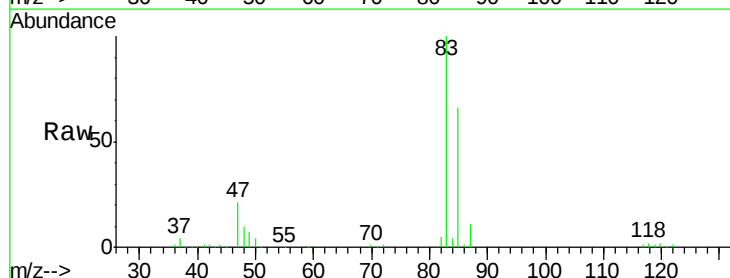
RT: 5.18 min Scan# 671

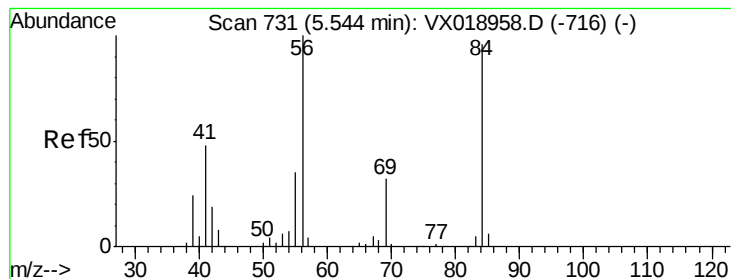
Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Tgt Ion:	83	Resp:	108446
Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8





#31

Cyclohexane

Concen: 48.949 ug/l

RT: 5.54 min Scan# 731

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 79907

Ion Ratio Lower Upper

56 100

69 31.7 25.4 38.0

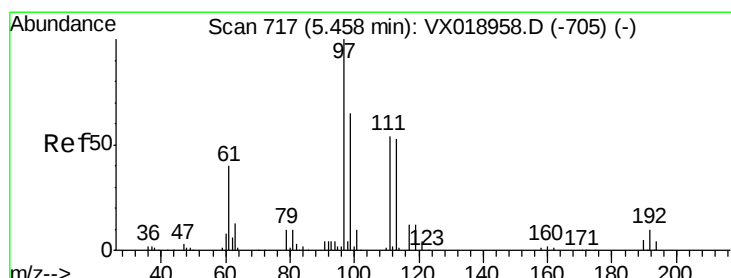
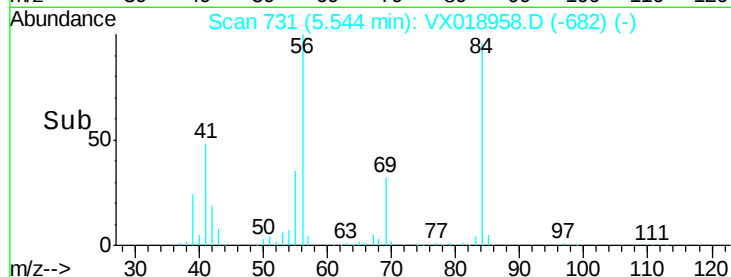
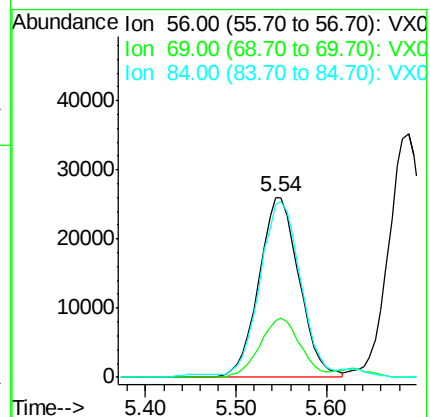
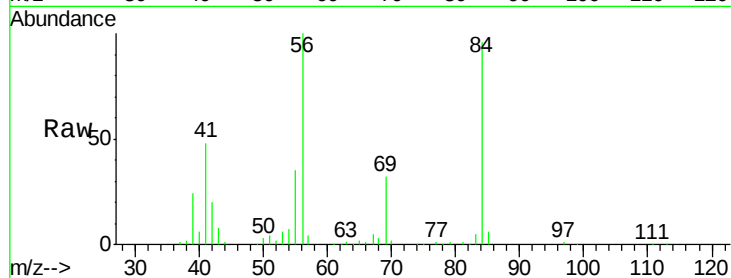
84 94.2 75.4 113.0

Manual Integrations

APPROVED

MMDadoda

10/20/2020 4:52:03 PM



#32

1,1,1-Trichloroethane

Concen: 52.816 ug/l

RT: 5.46 min Scan# 717

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

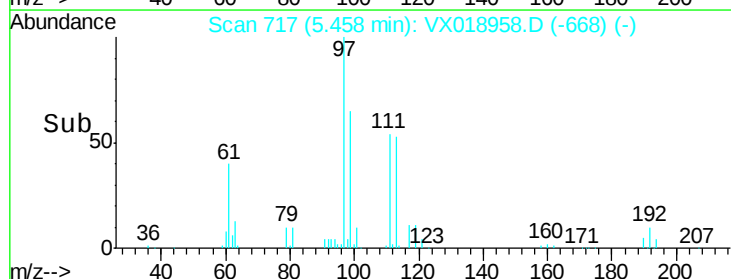
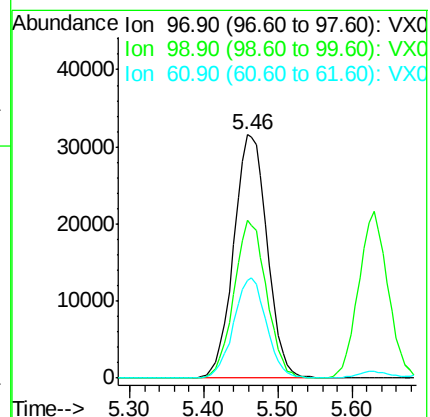
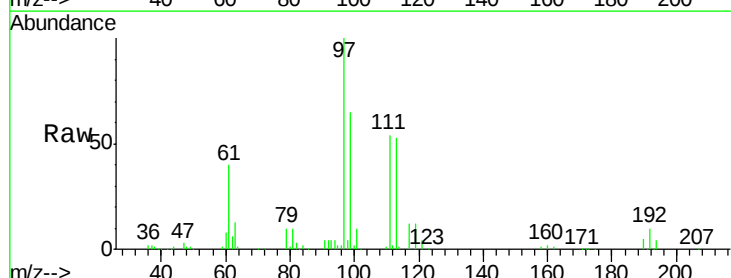
Tgt Ion: 97 Resp: 99172

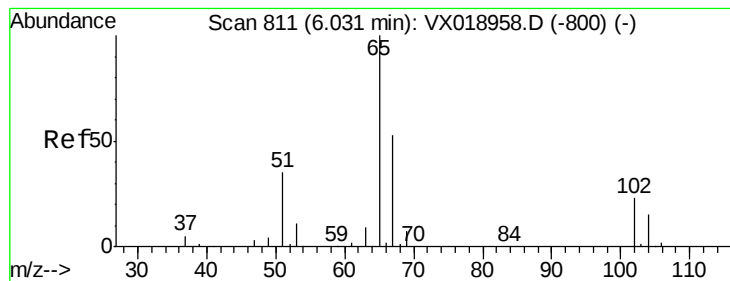
Ion Ratio Lower Upper

97 100

99 63.1 50.5 75.7

61 40.4 32.3 48.5





#33

1,2-Dichloroethane-d4

Concen: 45.042 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Tot Ion: 65 Resp: 60920

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.6

Instrument :

MSVOA_X

ClientSampleId :

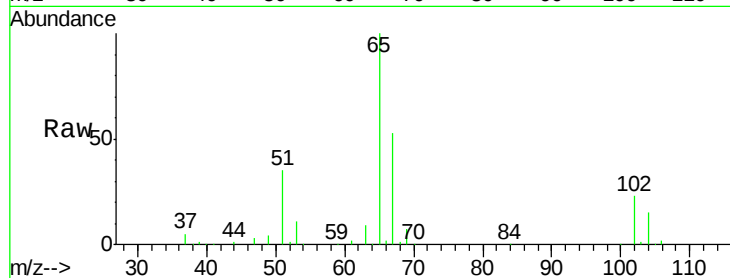
VSTDICCC050

Manual Integrations

APPROVED

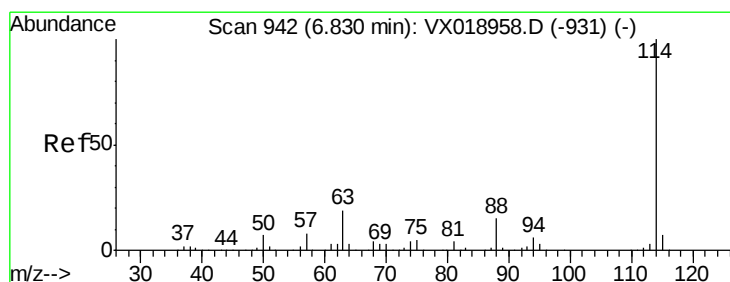
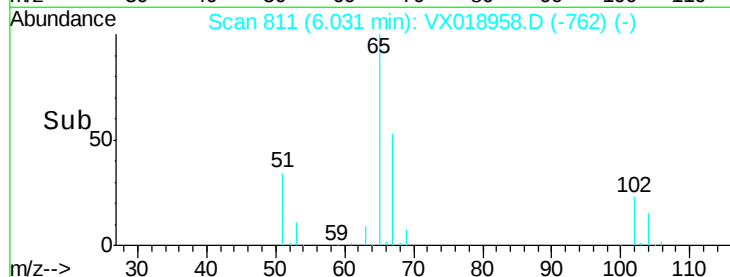
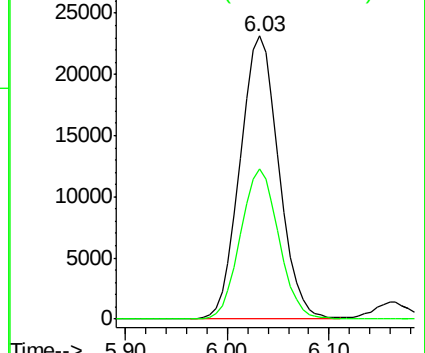
MMDadoda

10/20/2020 4:52:03 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

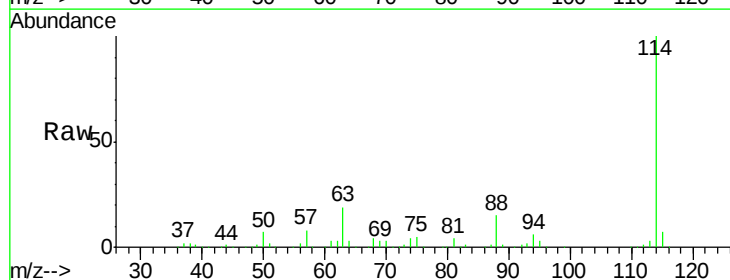
Tgt Ion: 114 Resp: 176358

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.0

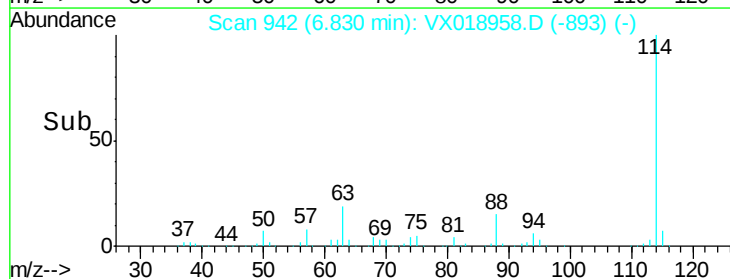
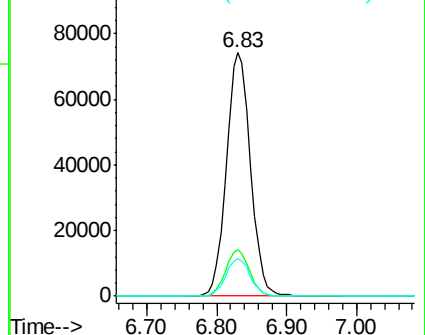
88 15.4 0.0 30.8

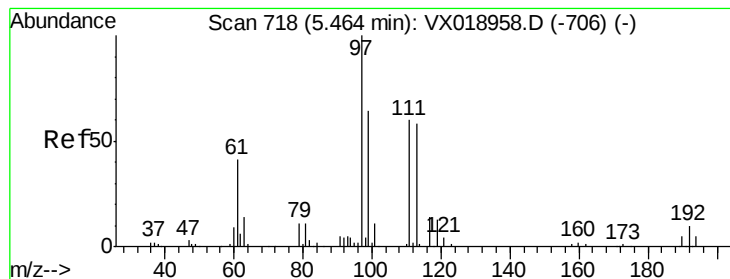


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 43.966 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:113 Resp: 51538

Ion Ratio Lower Upper

113 100

111 101.0 80.8 121.2

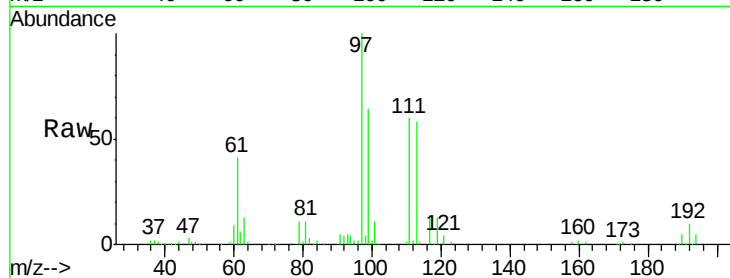
192 18.1 14.5 21.7

Manual Integrations

APPROVED

MMDadoda

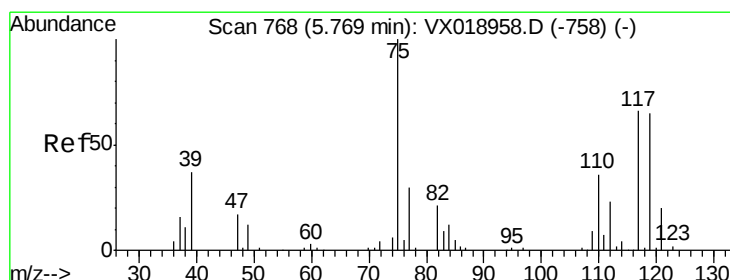
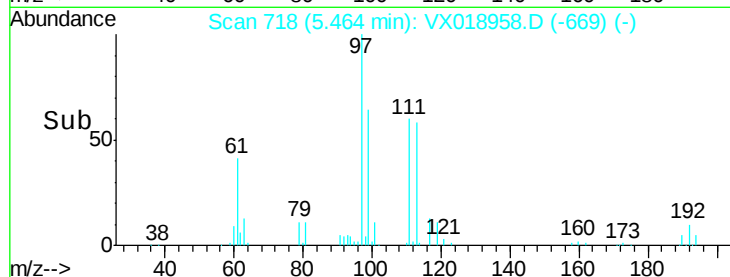
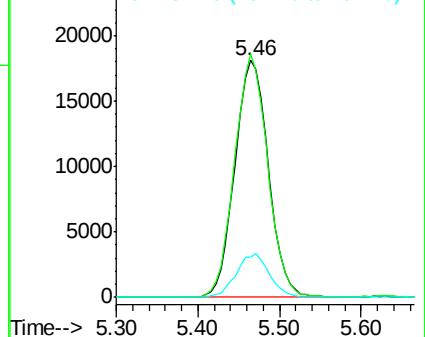
10/20/2020 4:52:03 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.442 ug/l

RT: 5.77 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

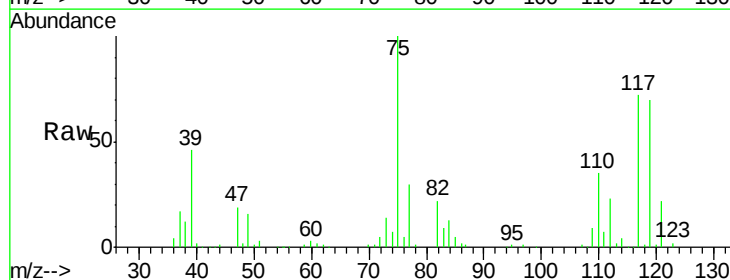
Tgt Ion: 75 Resp: 81933

Ion Ratio Lower Upper

75 100

110 36.5 18.3 54.8

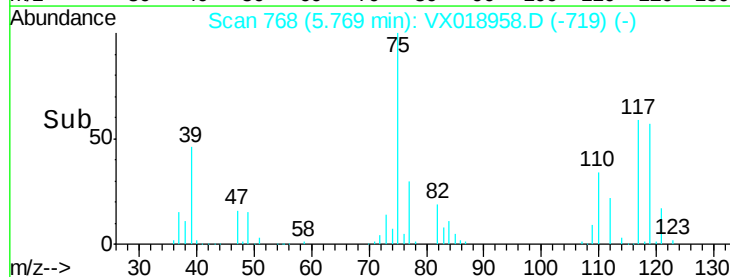
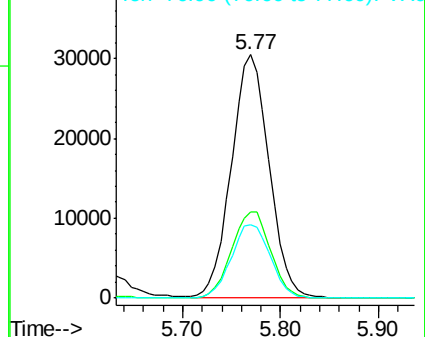
77 31.2 25.0 37.4

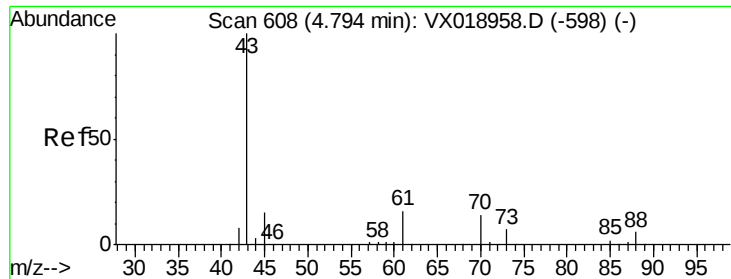


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





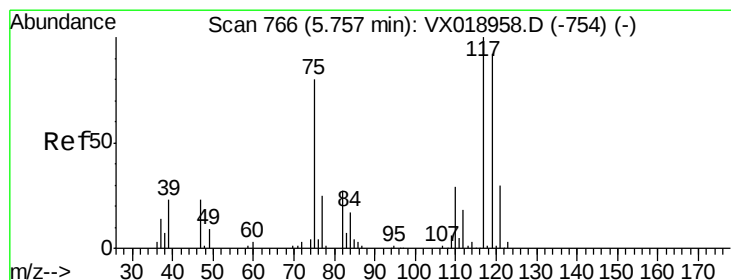
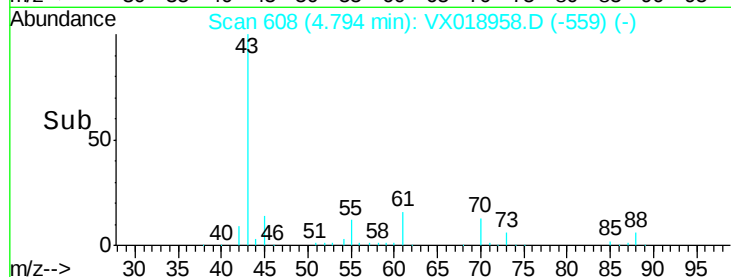
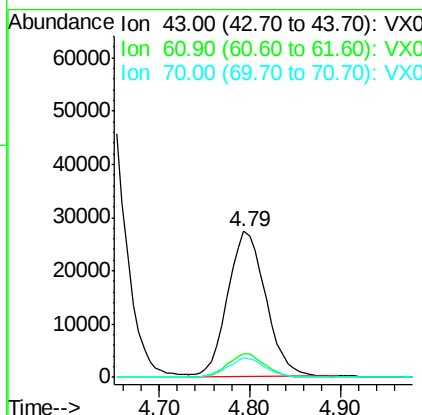
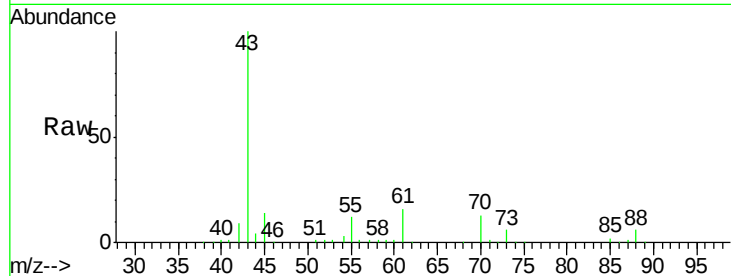
#37
Ethyl Acetate
Concen: 43.040 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.7	19.1
70	13.2	10.6	15.8

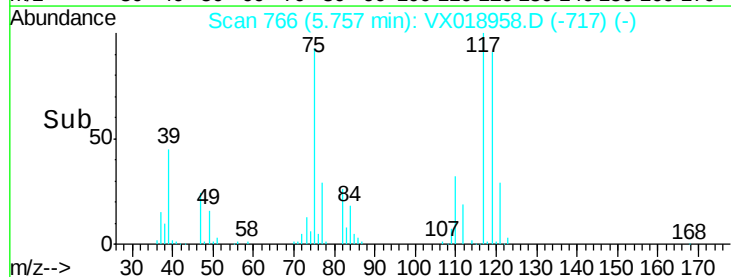
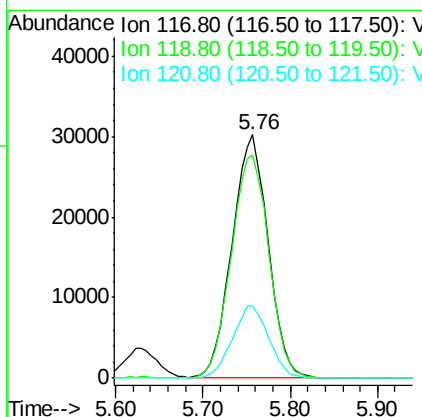
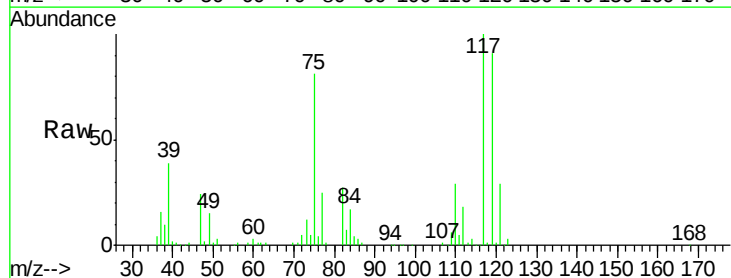
Manual Integrations
APPROVED

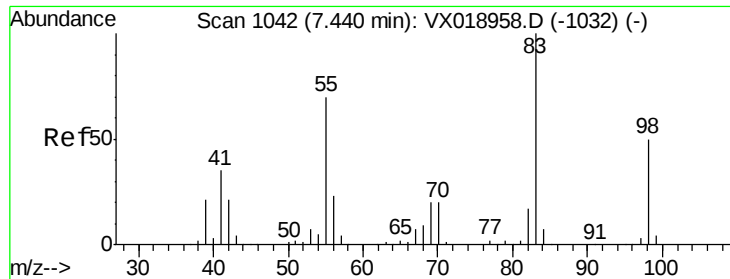
MMDadoda
10/20/2020 4:52:03 PM



#38
Carbon Tetrachloride
Concen: 47.939 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.5	73.2	109.8
121	29.4	23.5	35.3





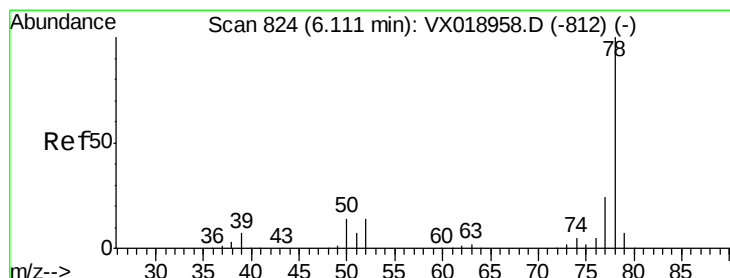
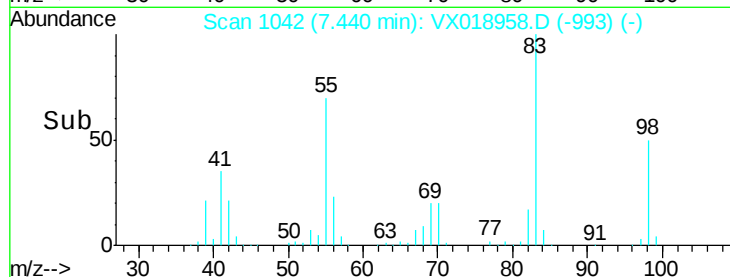
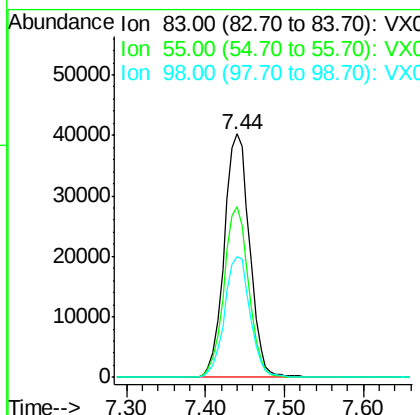
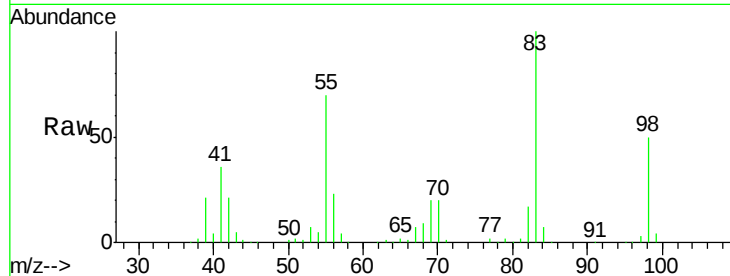
#39
Methylvlcvclohexane
Concen: 50.722 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.4	56.3	84.5
98	49.7	39.8	59.6

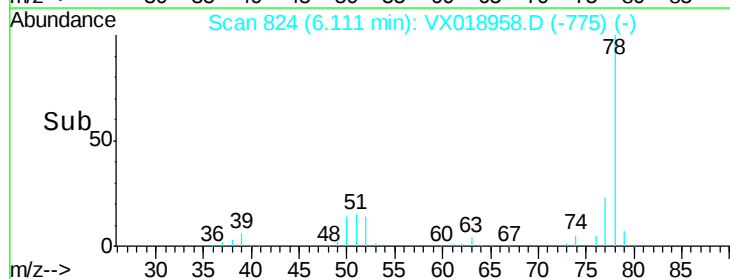
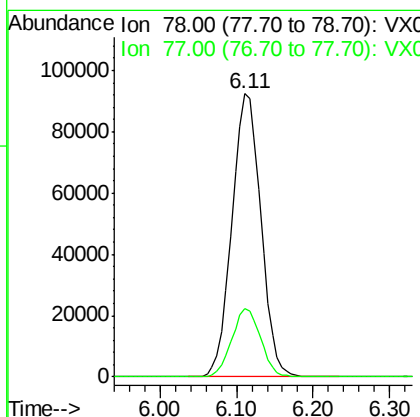
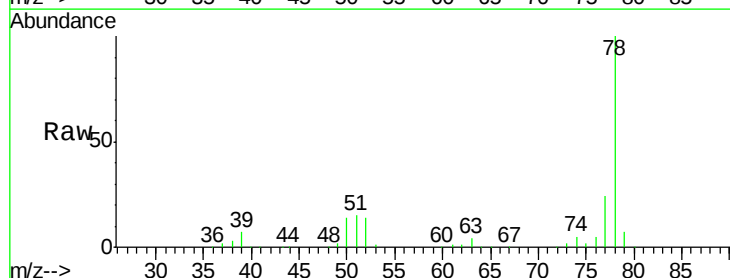
Manual Integrations
APPROVED

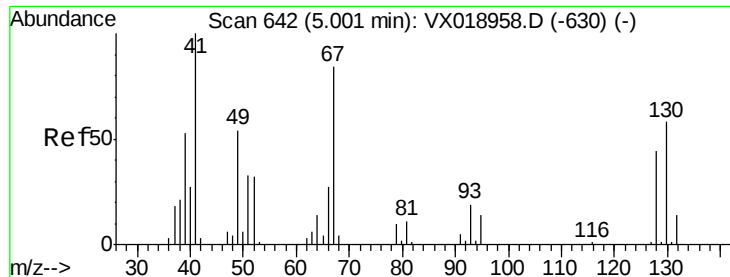
MMDadoda
10/20/2020 4:52:03 PM



#40
Benzene
Concen: 50.694 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





#41

Methacrylonitrile

Concen: 41.517 ug/l

RT: 5.00 min Scan# 642

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 41758

Ion Ratio Lower Upper

41 100

39 54.6 43.7 65.5

67 88.6 70.9 106.3

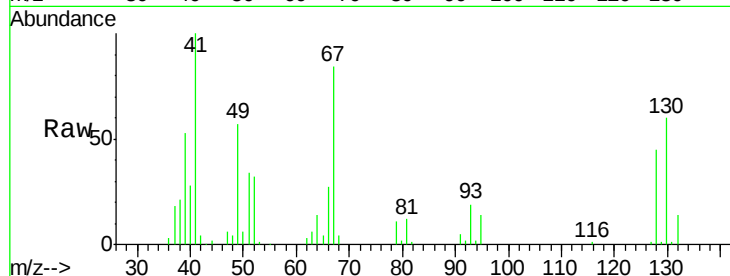
52 33.8 27.0 40.6

Manual Integrations

APPROVED

MMDadoda

10/20/2020 4:52:03 PM

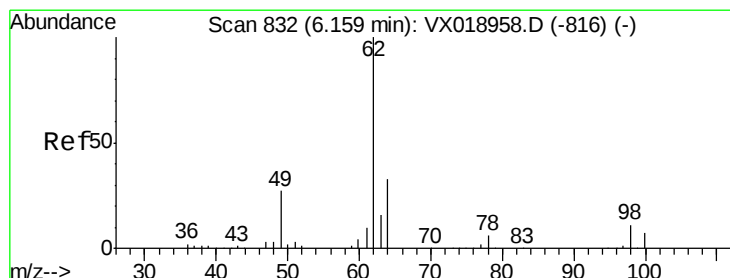
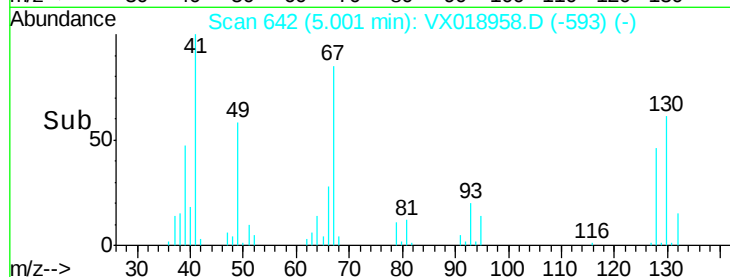
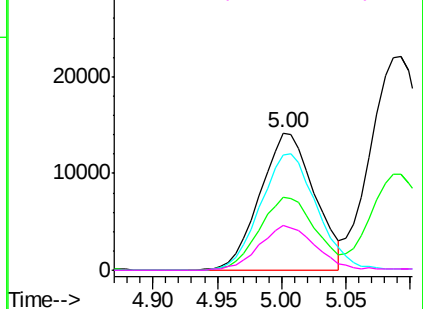


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 46.562 ug/l

RT: 6.16 min Scan# 832

Delta R.T. 0.00 min

Lab File: VX018958.D

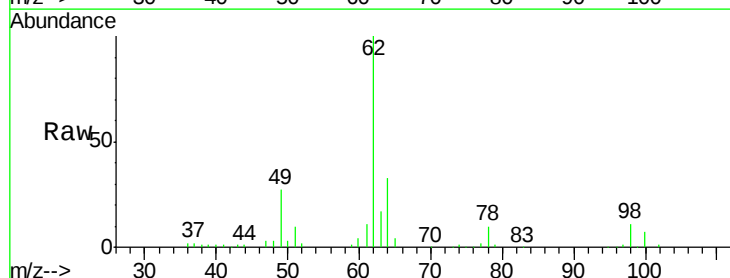
Acq: 19 Oct 2020 17:36

Tgt Ion: 62 Resp: 84181

Ion Ratio Lower Upper

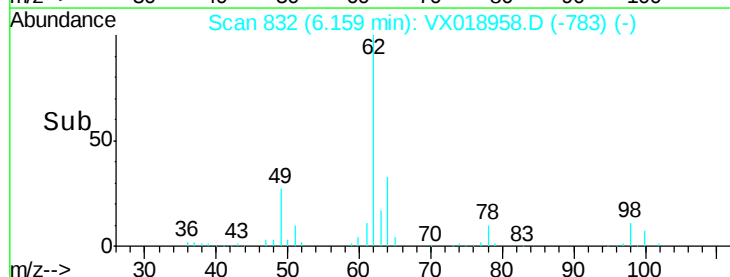
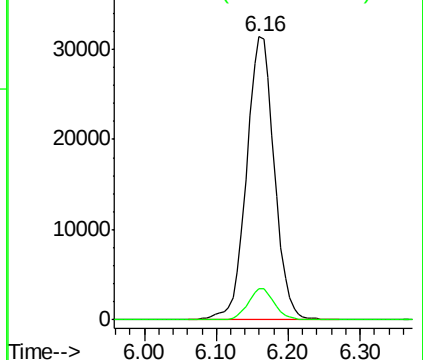
62 100

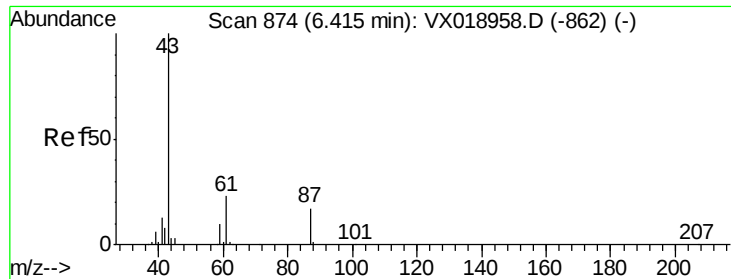
98 10.3 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 44.224 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Instrument :

MSVOA_X

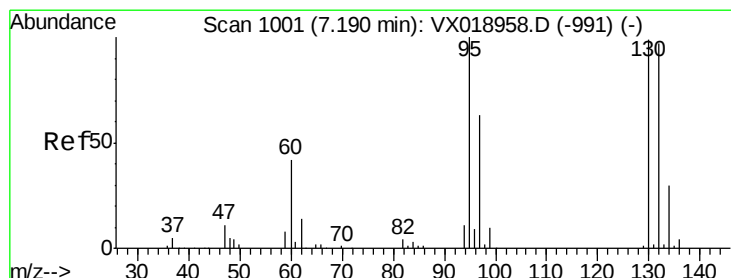
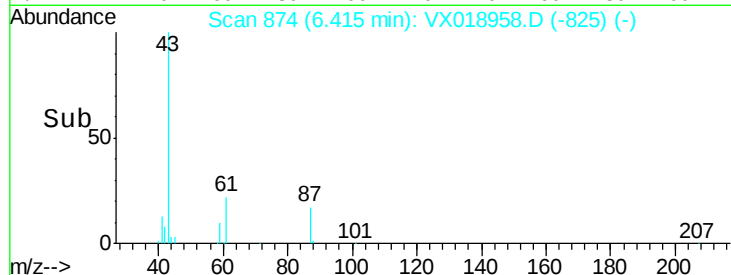
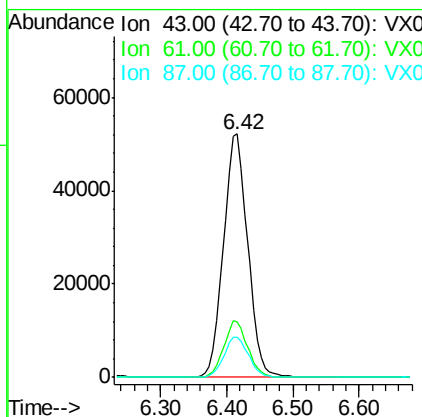
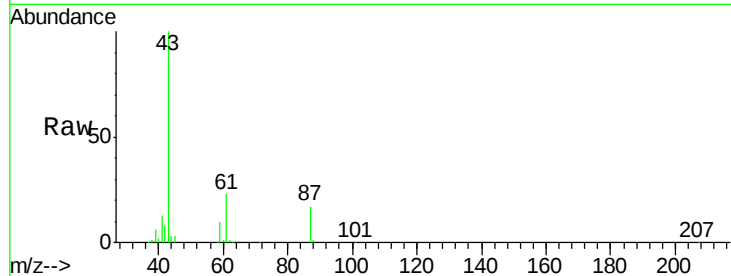
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	131534
Ion	Ratio	Lower	Upper
43	100		
61	22.9	18.3	27.5
87	16.8	13.4	20.2

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:03 PM



#44

Trichloroethene

Concen: 48.188 ug/l

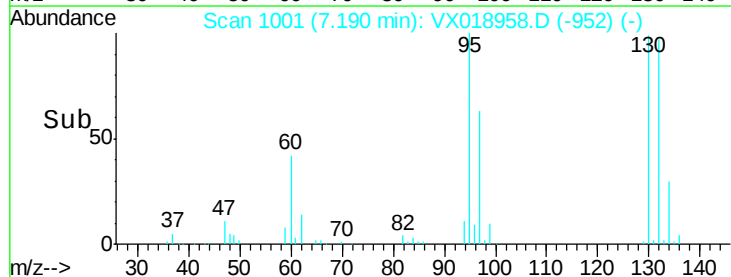
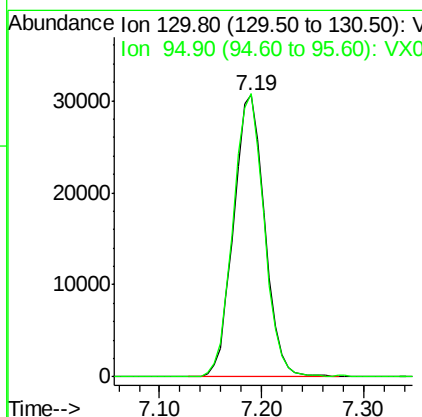
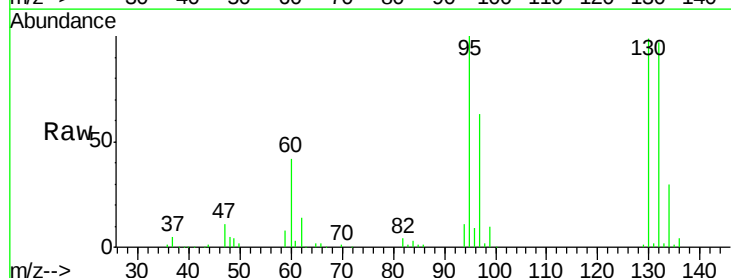
RT: 7.19 min Scan# 1001

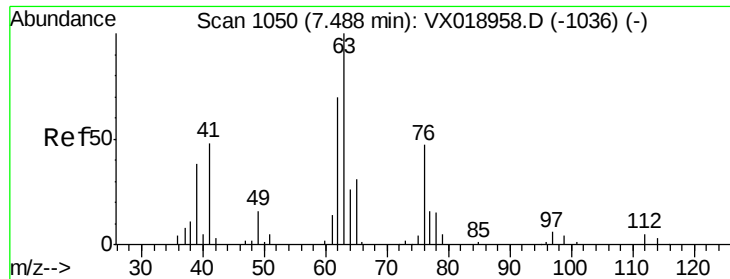
Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Tgt Ion:	130	Resp:	64579
Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	201.0





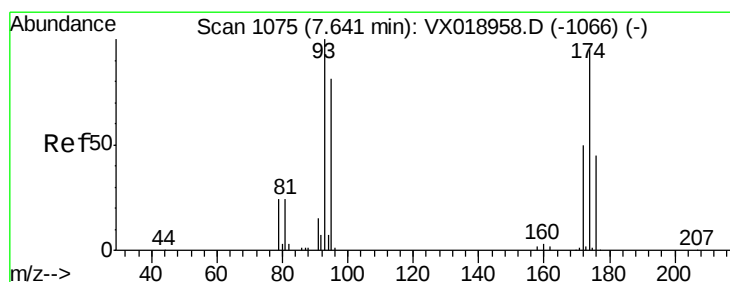
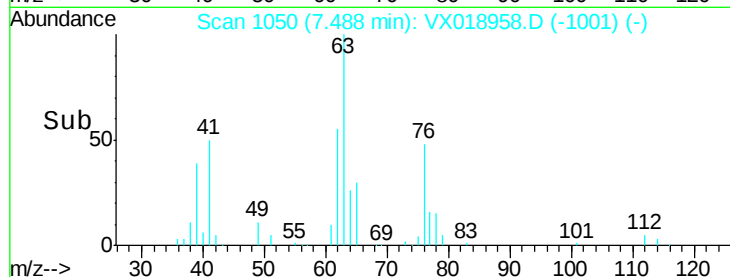
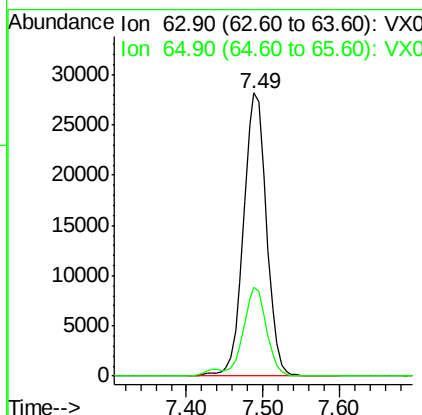
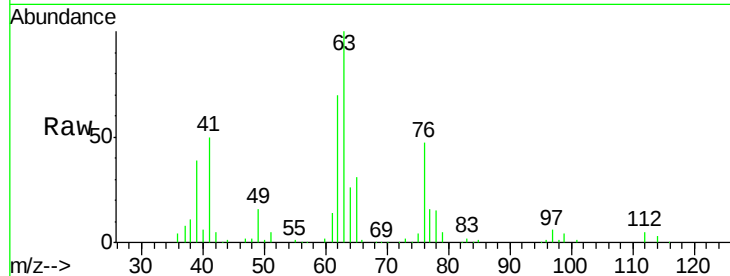
#45
 1,2-Dichloropropane
 Concen: 46.420 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 58805
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6

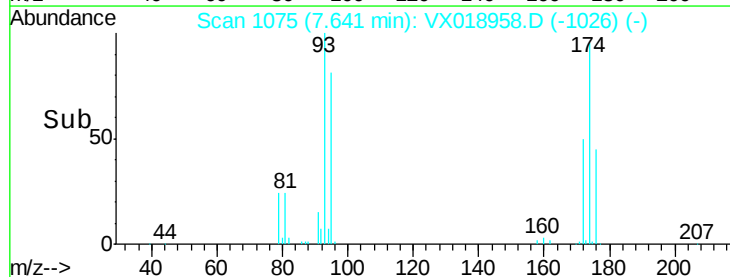
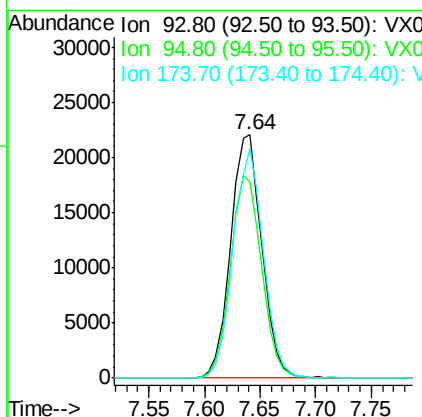
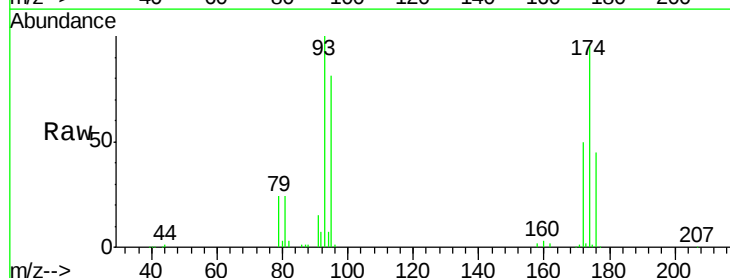
Manual Integrations
 APPROVED

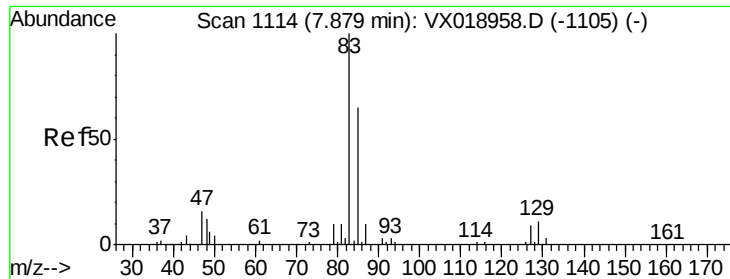
MMDadoda
 10/20/2020 4:52:03 PM



#46
 Dibromomethane
 Concen: 47.628 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Tgt Ion: 93 Resp: 42850
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 92.3 73.8 110.8





#47

Bromodichloromethane

Concen: 48.524 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Instrument :

MSVOA_X

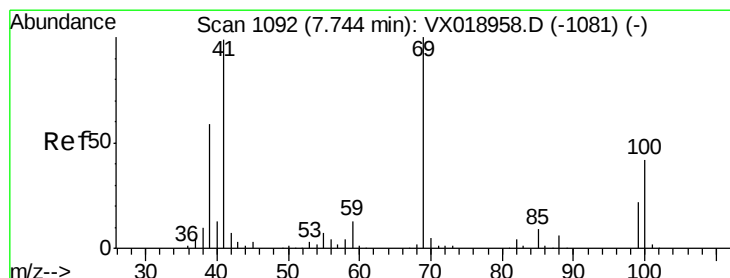
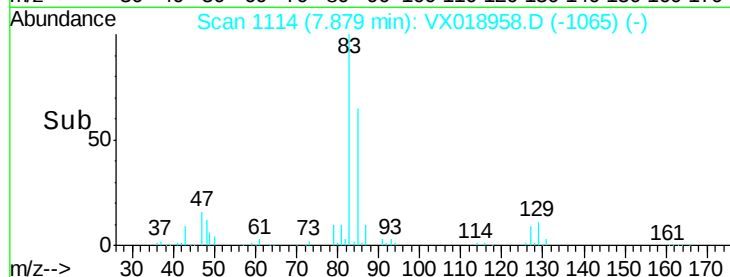
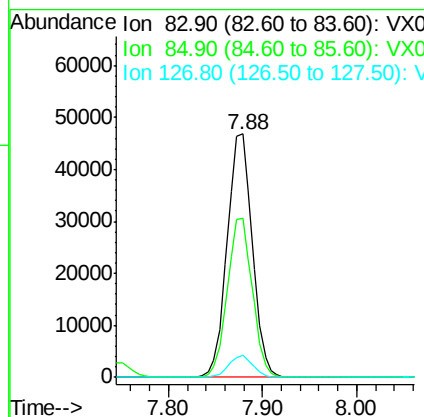
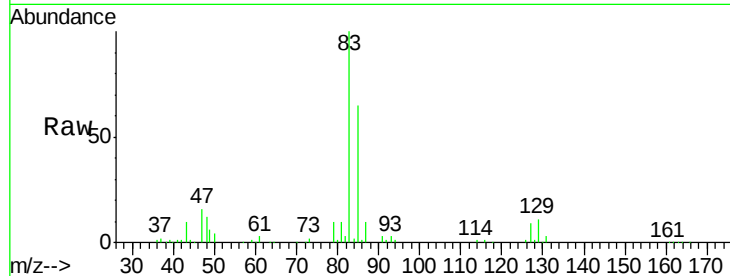
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	86932
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6
127	9.1	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:03 PM



#48

Methyl methacrylate

Concen: 41.561 ug/l

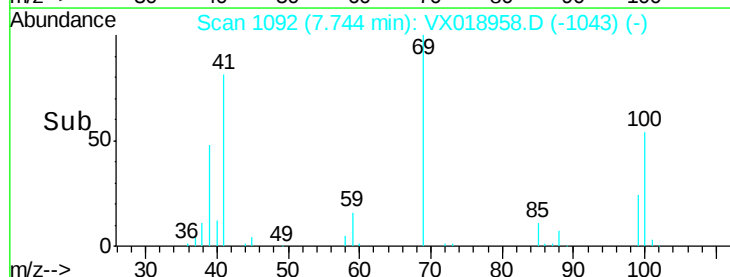
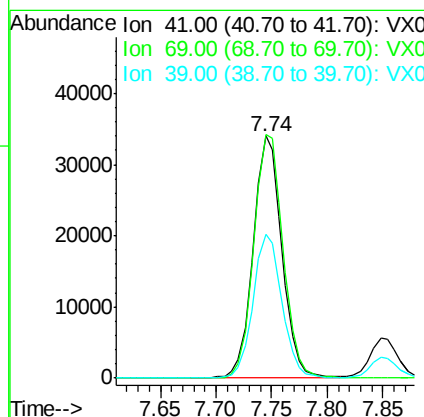
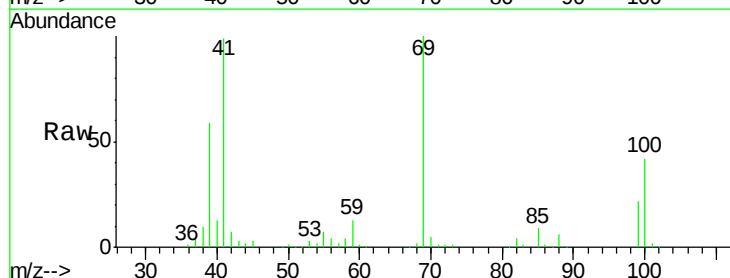
RT: 7.74 min Scan# 1092

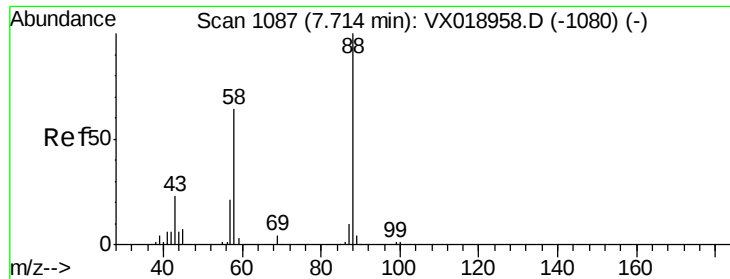
Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Tgt Ion:	41	Resp:	60932
Ion	Ratio	Lower	Upper
41	100		
69	103.0	82.4	123.6
39	60.1	48.1	72.1





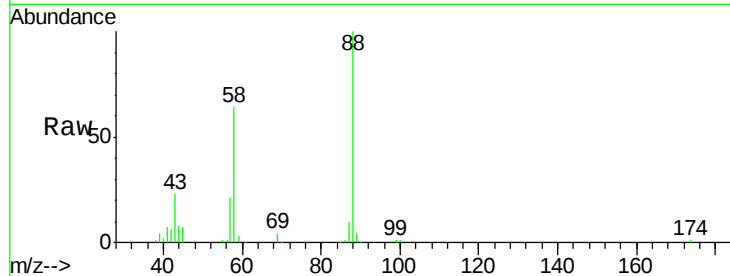
#49
1,4-Dioxane
Concen: 1048.710 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

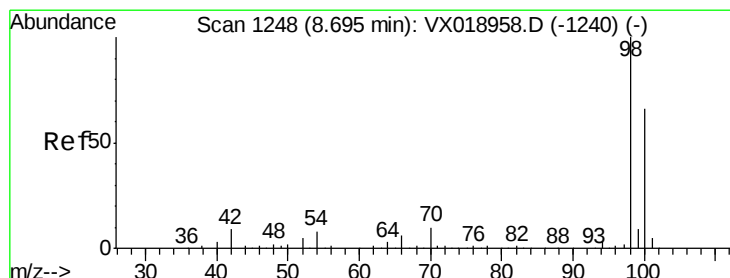
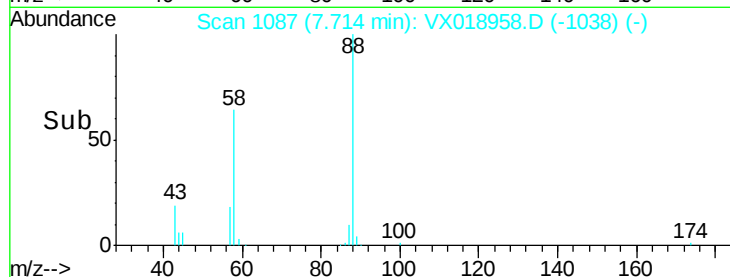
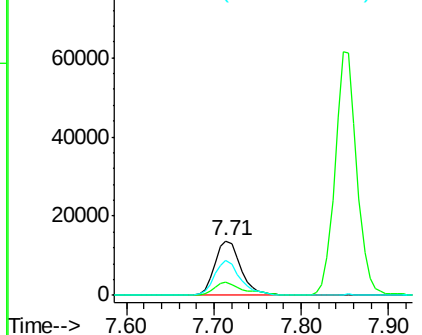
Tot Ion	Ratio	Lower	Upper
88	100		
43	26.4	21.1	31.7
58	62.9	50.3	75.5

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:03 PM

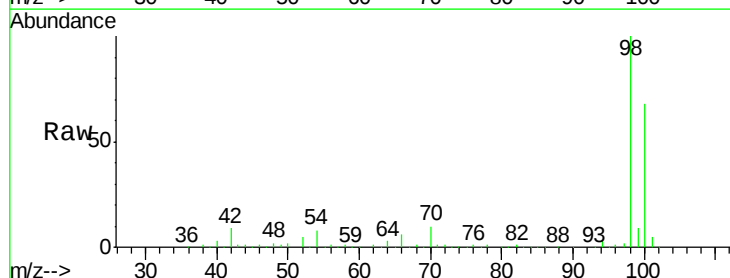


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

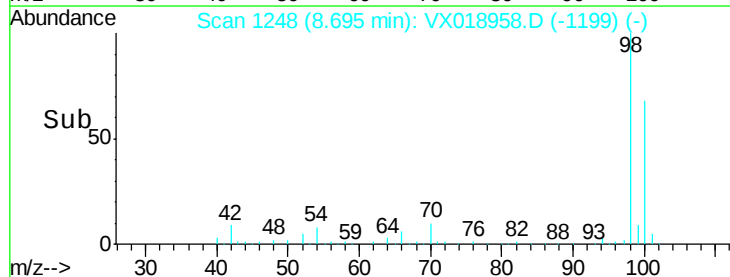
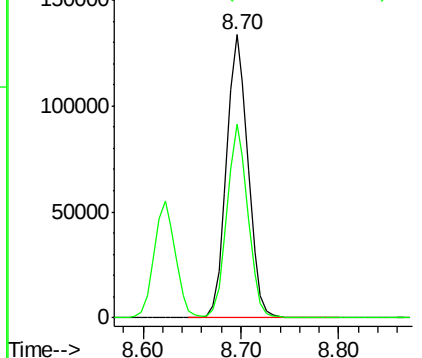


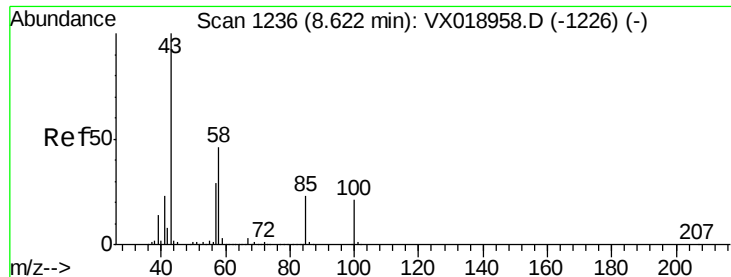
#50
Toluene-d8
Concen: 46.235 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.4	80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





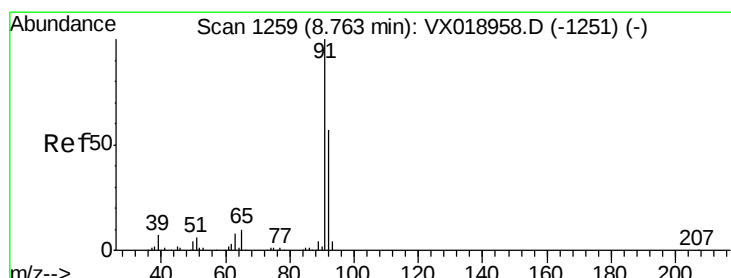
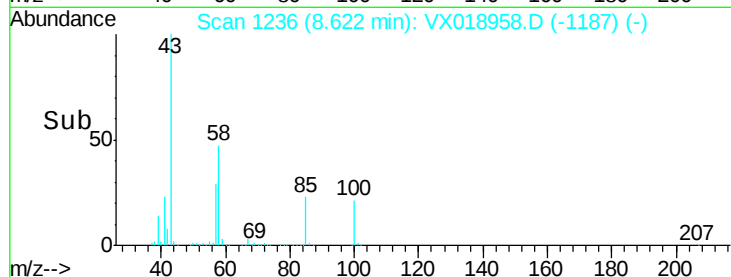
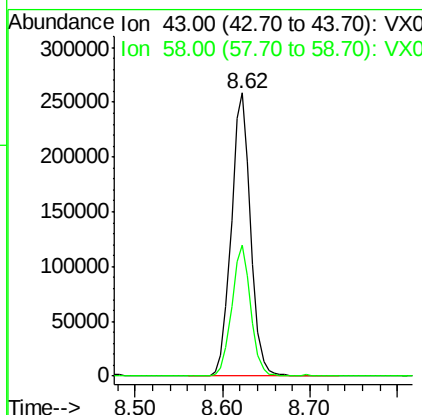
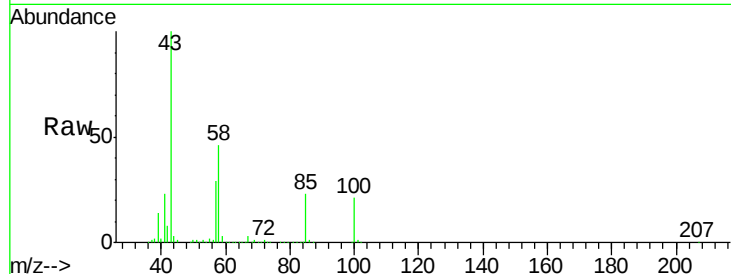
#51
4-Methyl-2-Pentanone
Concen: 218.161 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.5	36.4	54.6

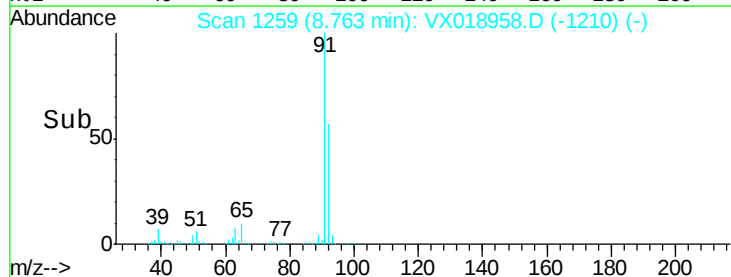
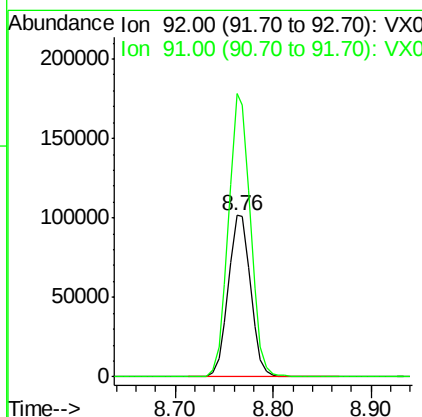
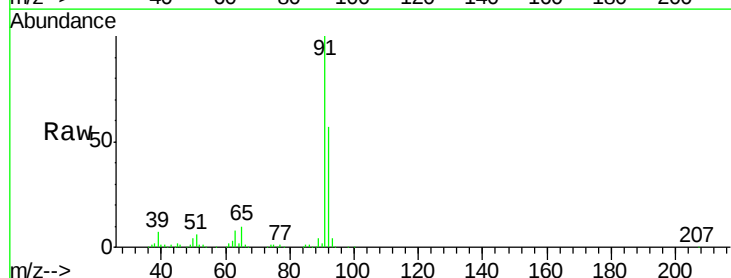
Manual Integrations
APPROVED

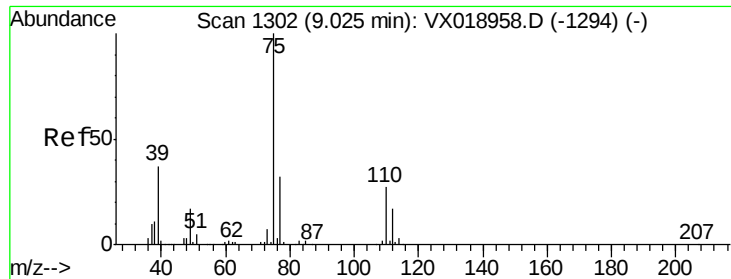
MMDadoda
10/20/2020 4:52:03 PM



#52
Toluene
Concen: 52.819 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.4	137.1	205.7





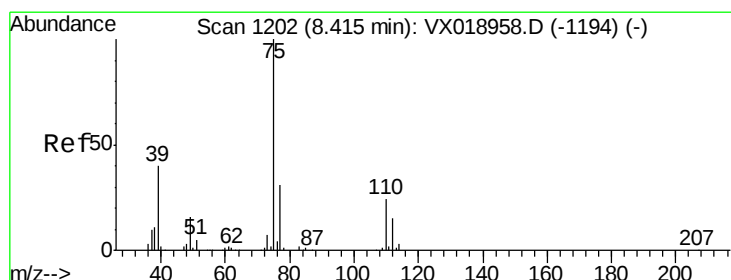
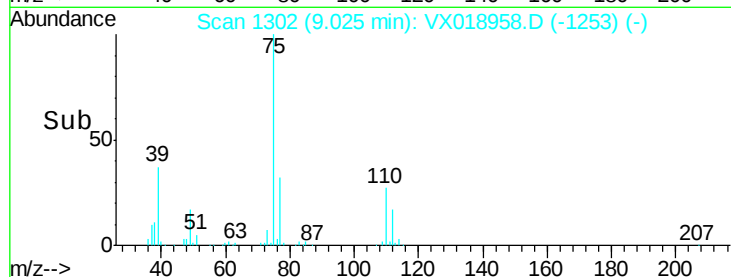
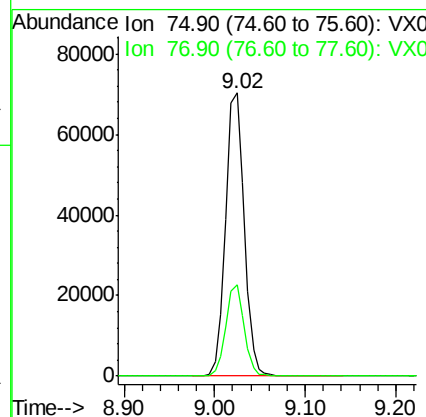
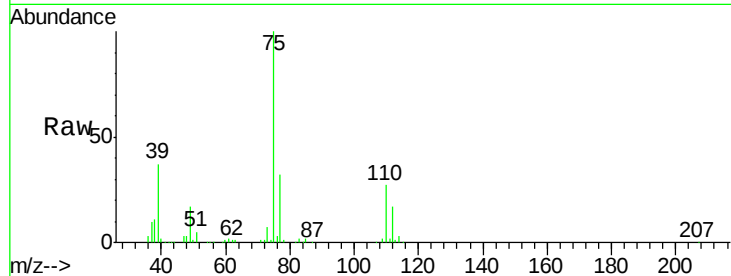
#53
 t-1,3-Dichloropropene
 Concen: 50.596 ug/l
 RT: 9.02 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 101195
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.0 39.0

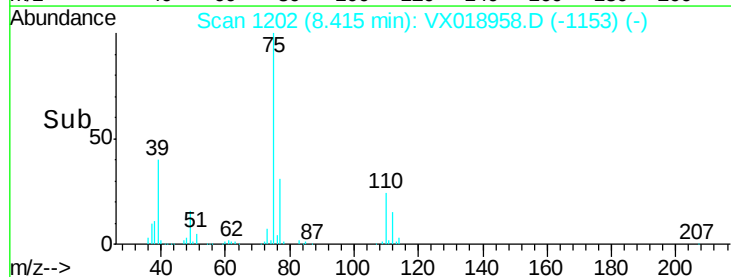
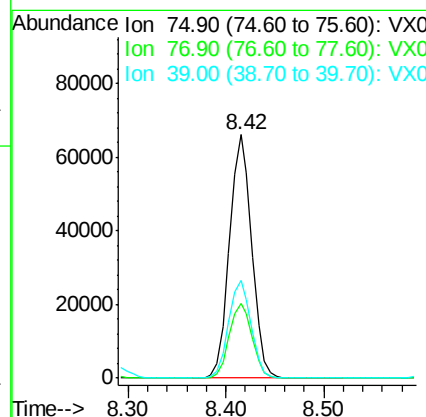
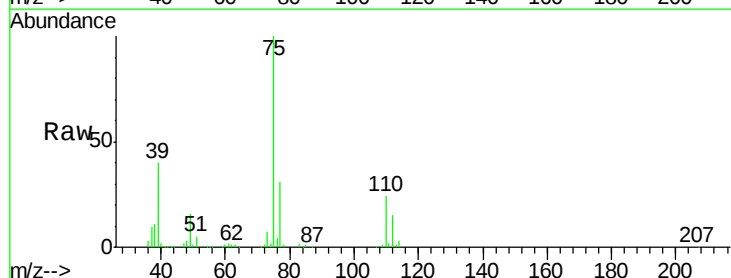
Manual Integrations
 APPROVED

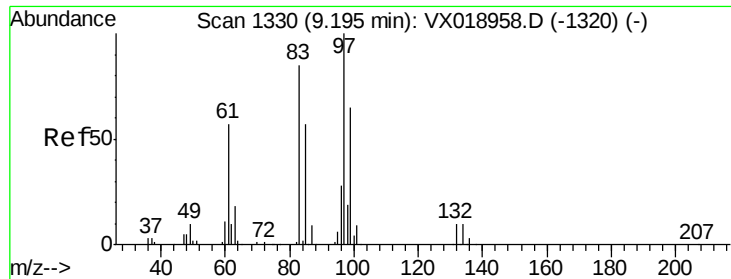
MMDadoda
 10/20/2020 4:52:03 PM



#54
 cis-1,3-Dichloropropene
 Concen: 49.424 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Tgt Ion: 75 Resp: 104479
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.6 36.8
 39 40.1 32.1 48.1





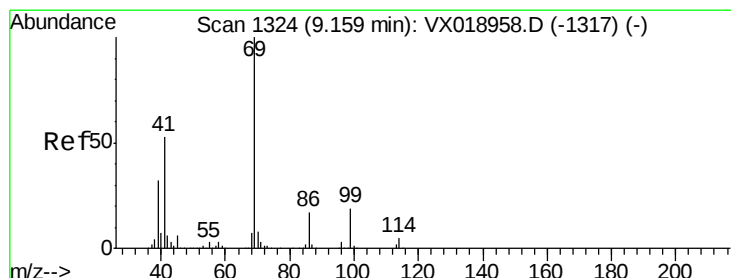
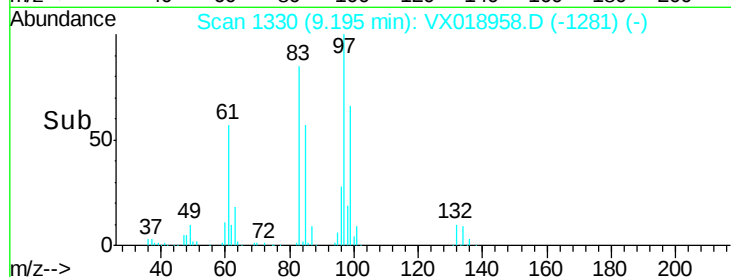
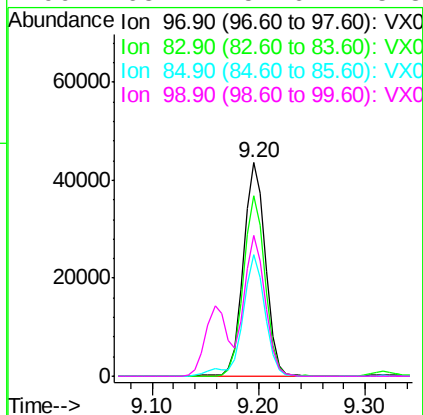
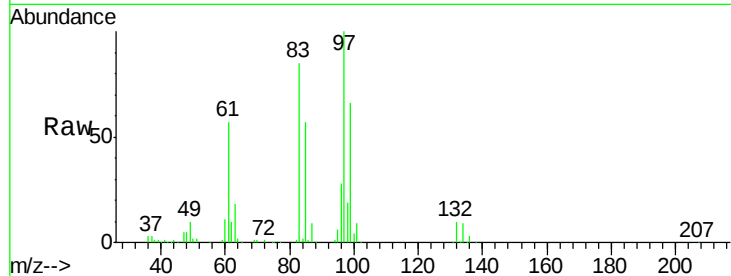
#55
 1,1,2-Trichloroethane
 Concen: 49.390 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.8	101.8
85	57.1	45.7	68.5
99	65.7	52.6	78.8

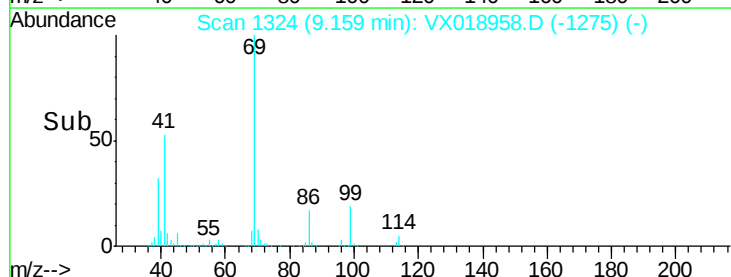
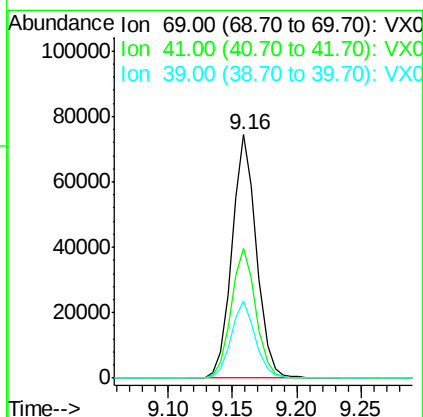
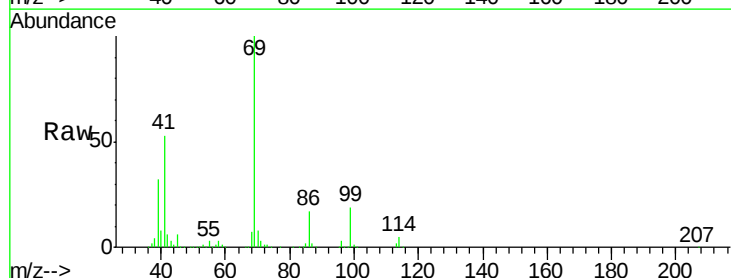
Manual Integrations
 APPROVED

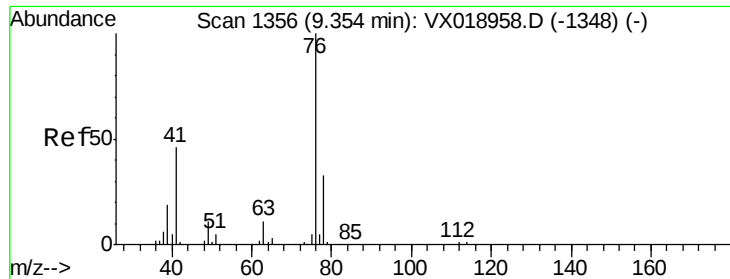
MMDadoda
 10/20/2020 4:52:03 PM



#56
 Ethyl methacrylate
 Concen: 51.330 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	54.3	43.4	65.2
39	31.2	25.0	37.4





#57

1,3-Dichloropropane

Concen: 49.327 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 104685

Ion Ratio Lower Upper

76 100

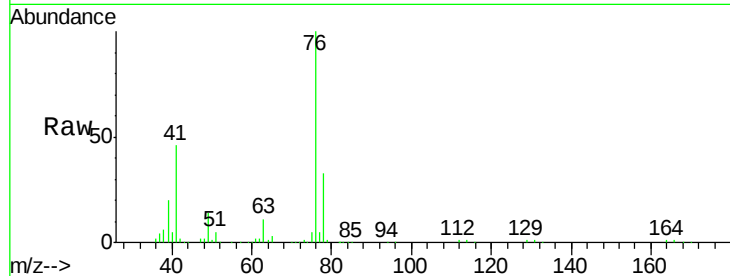
78 32.8 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

10/20/2020 4:52:03 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

80000

60000

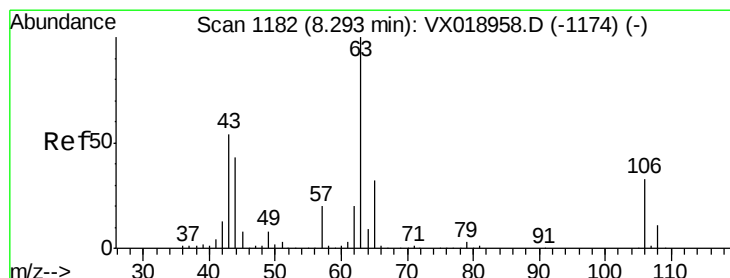
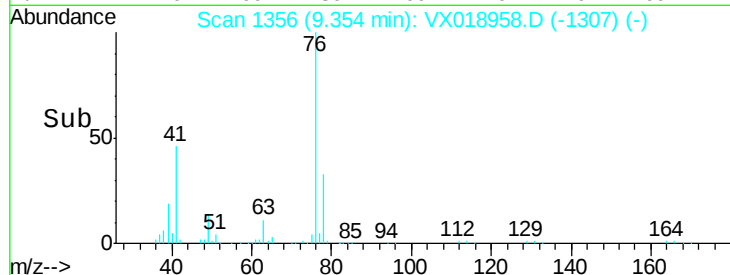
40000

20000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 285.429 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX018958.D

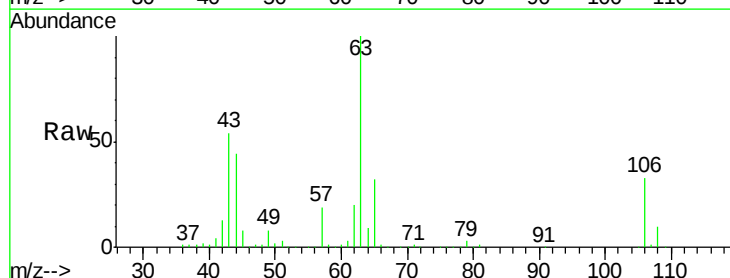
Acq: 19 Oct 2020 17:36

Tgt Ion: 63 Resp: 253512

Ion Ratio Lower Upper

63 100

106 31.0 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

150000

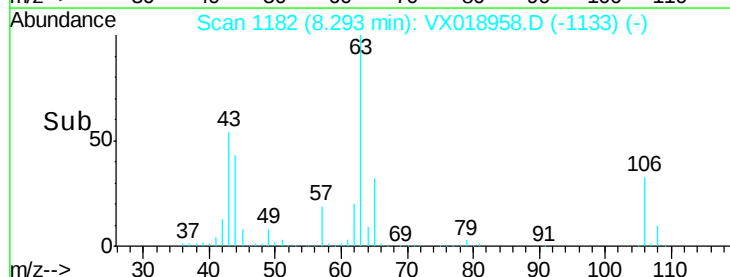
100000

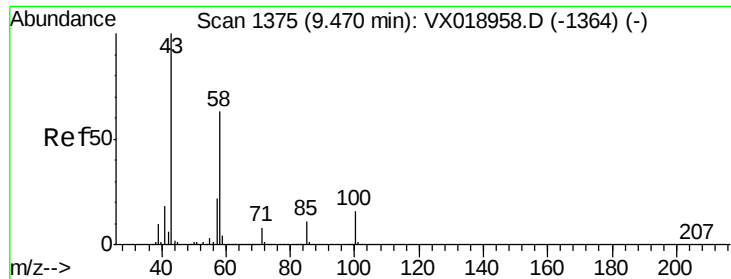
50000

0

8.20 8.30 8.40

Time-->





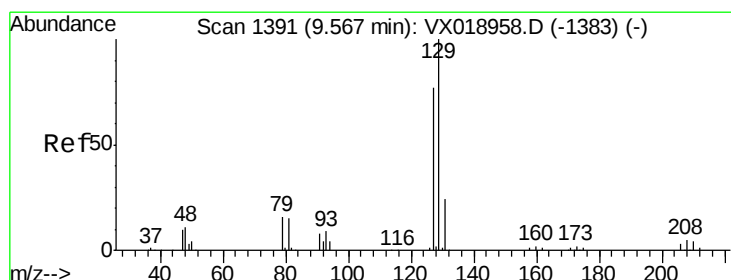
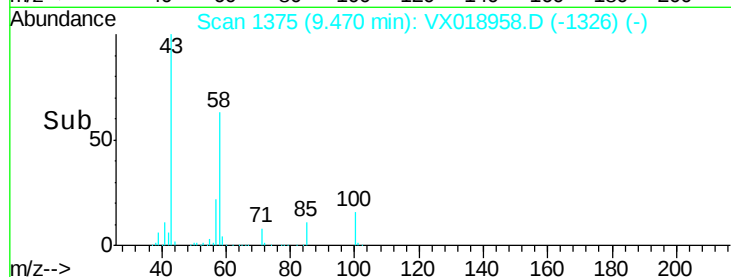
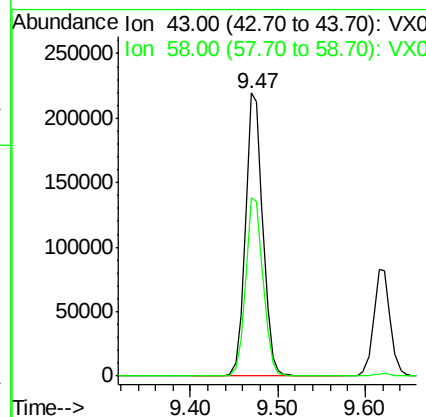
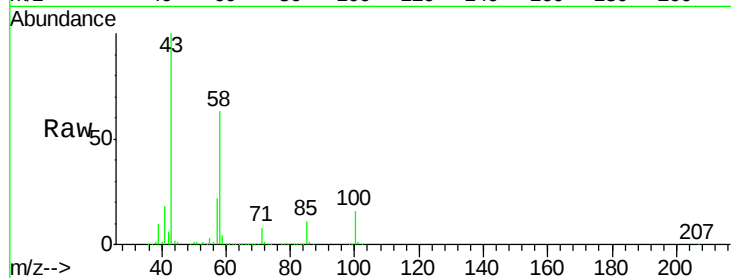
#59
2-Hexanone
Concen: 219.482 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 303692
Ion Ratio Lower Upper
43 100
58 63.4 31.7 95.1

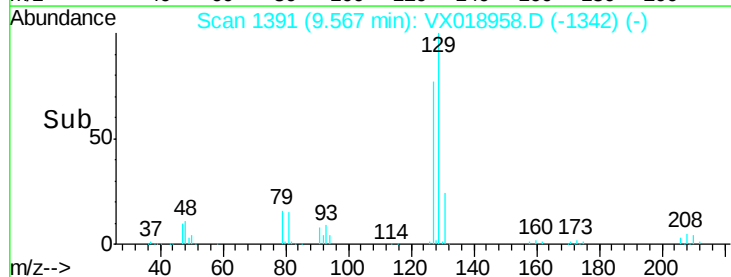
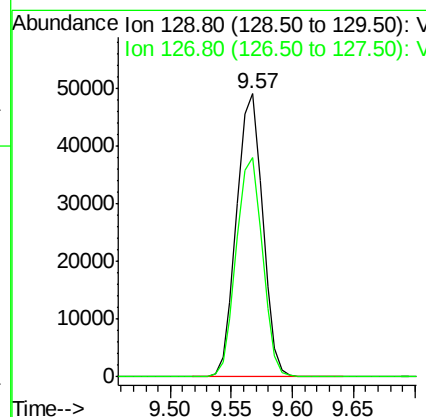
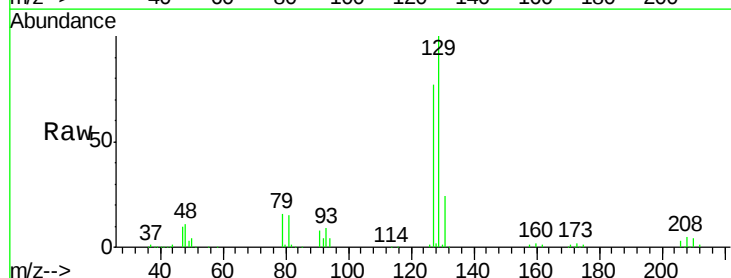
Manual Integrations
APPROVED

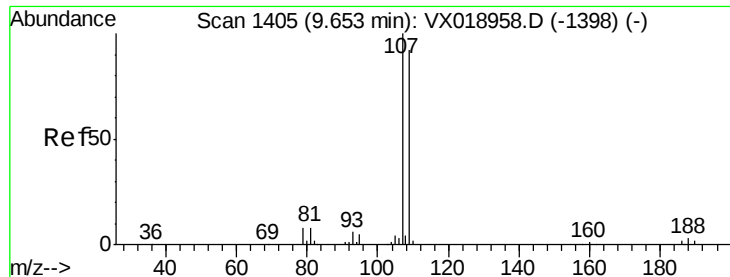
MMDadoda
10/20/2020 4:52:03 PM



#60
Dibromochloromethane
Concen: 48.364 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Tgt Ion: 129 Resp: 72586
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.4





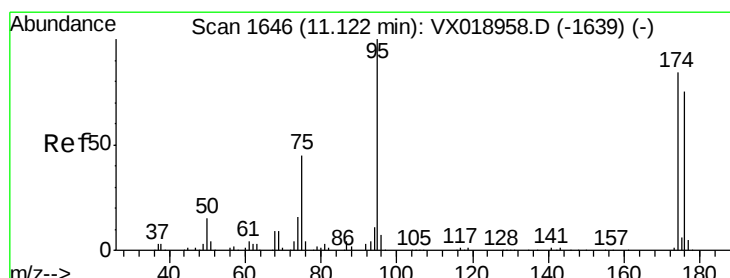
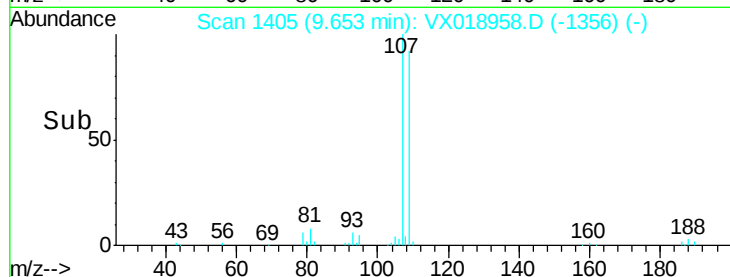
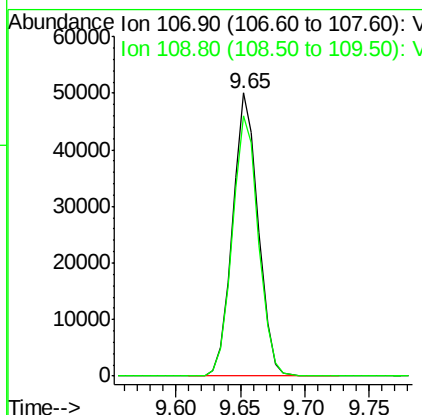
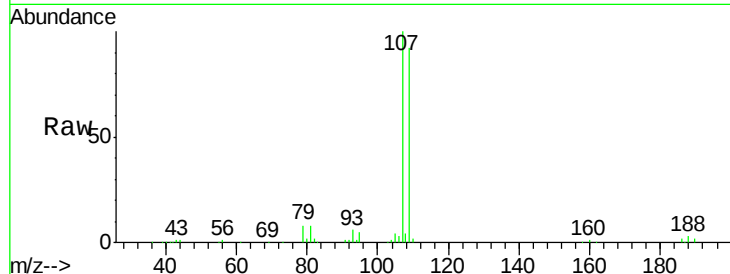
#61
 1,2-Dibromoethane
 Concen: 49.546 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion:107 Resp: 69300
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.2 112.8

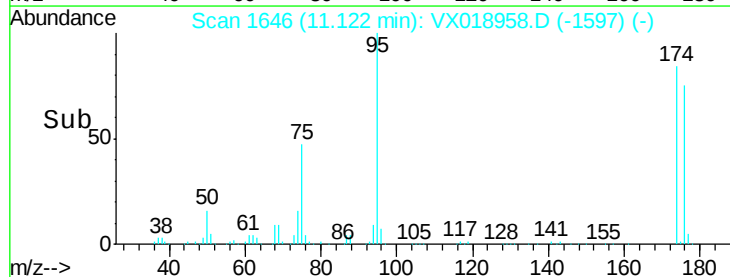
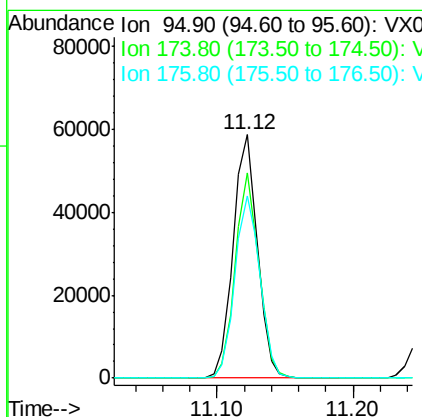
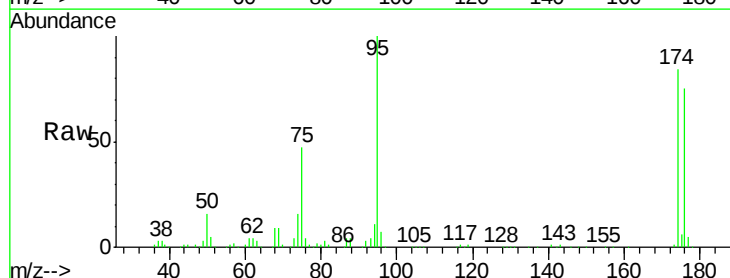
Manual Integrations
 APPROVED

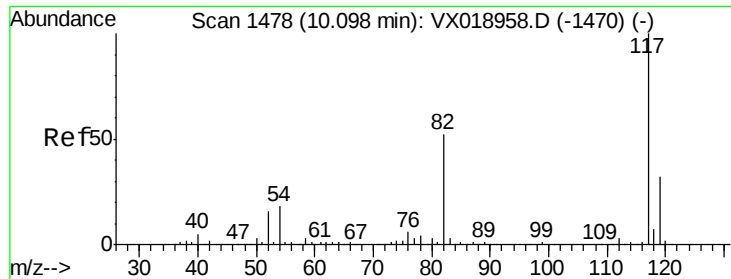
MMDadoda
 10/20/2020 4:52:03 PM



#62
 4-Bromofluorobenzene
 Concen: 42.789 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Tgt Ion: 95 Resp: 72944
 Ion Ratio Lower Upper
 95 100
 174 82.3 0.0 164.6
 176 77.3 0.0 154.6





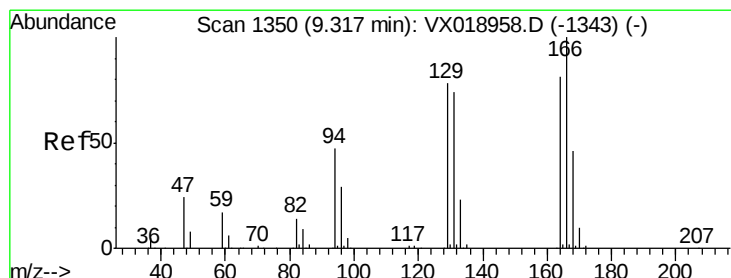
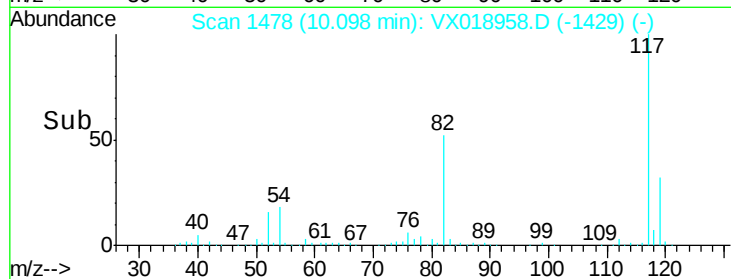
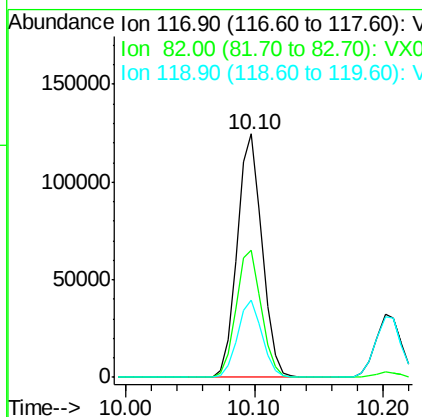
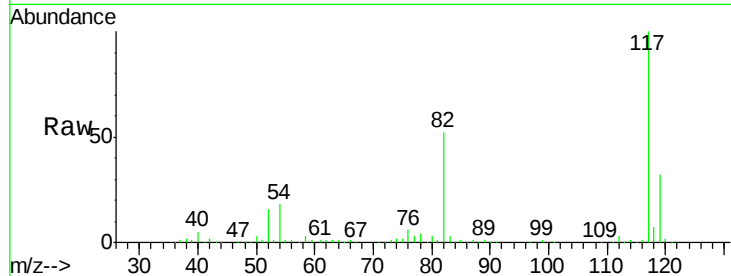
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.6	62.4
119	31.8	25.4	38.2

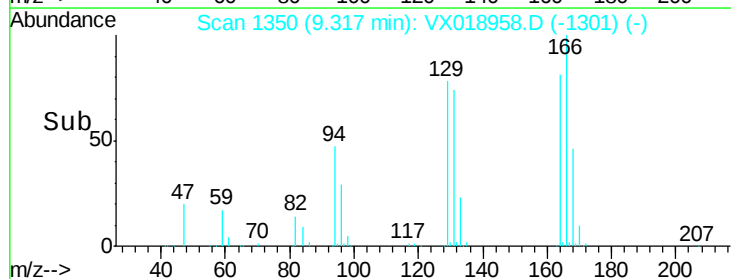
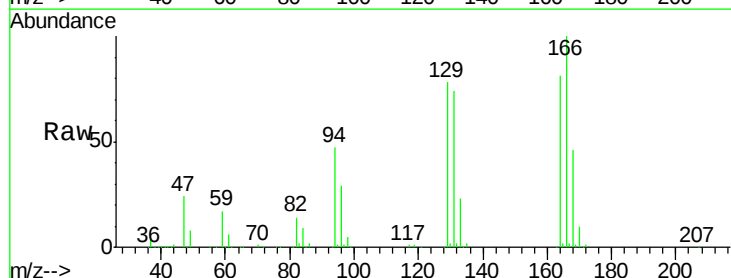
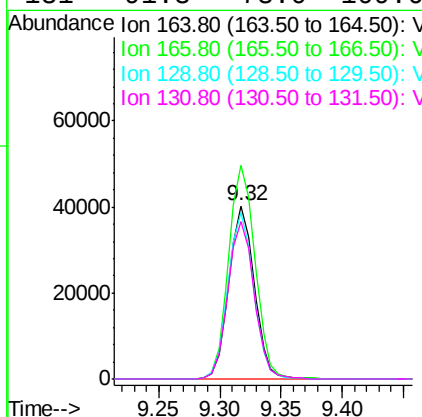
Manual Integrations
APPROVED

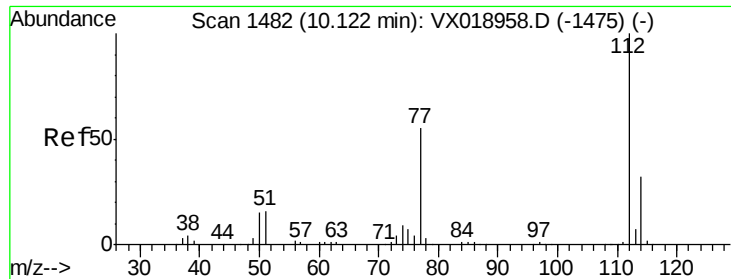
MMDadoda
10/20/2020 4:52:03 PM



#64
Tetrachloroethene
Concen: 47.714 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	98.9	148.3
129	96.2	77.0	115.4
131	91.3	73.0	109.6





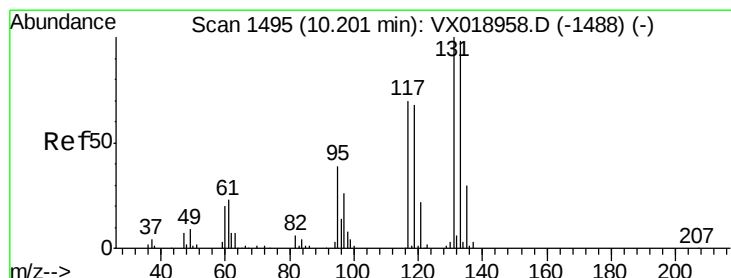
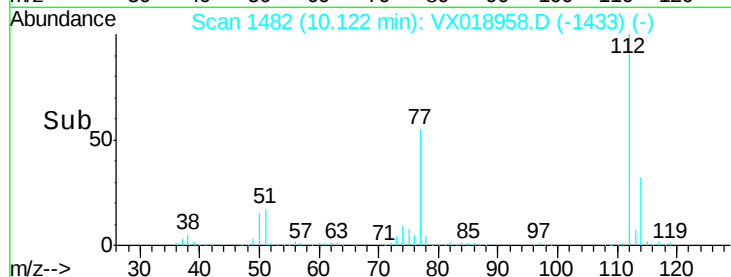
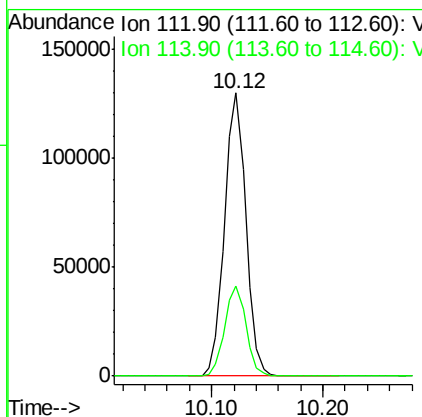
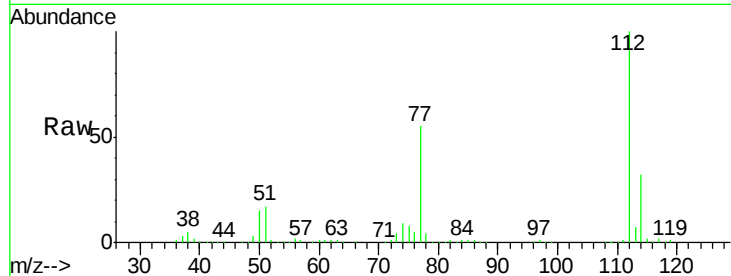
#65
Chlorobenzene
Concen: 51.651 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion:112 Resp: 173008
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

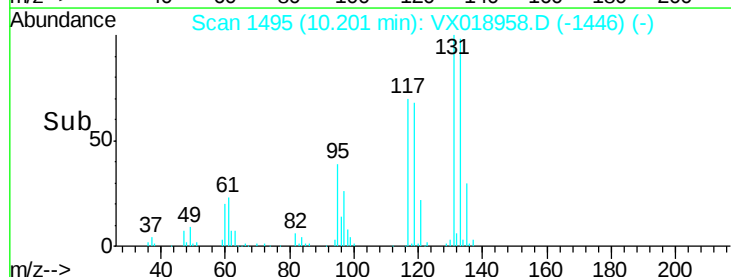
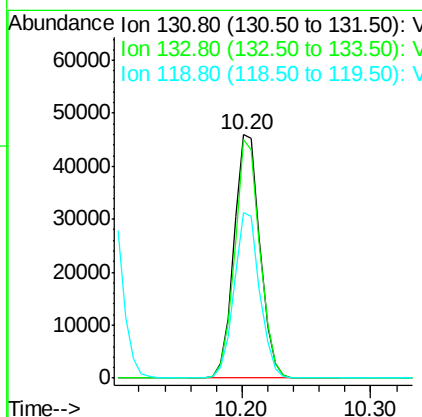
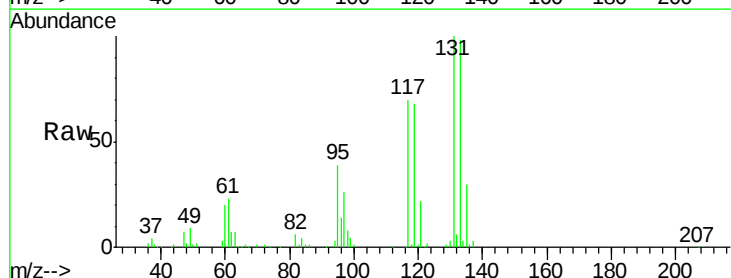
Manual Integrations
APPROVED

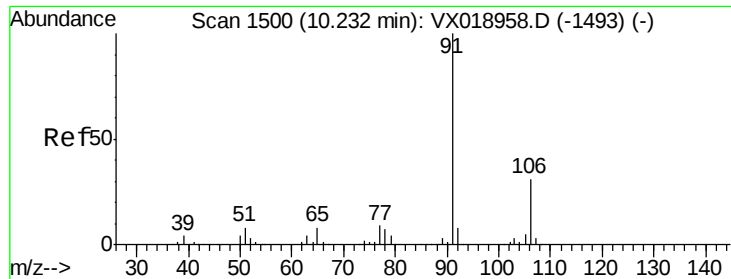
MMDadoda
10/20/2020 4:52:03 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.463 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Tgt Ion:131 Resp: 64587
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.2
119 66.9 33.5 100.4





#67

Ethyl Benzene

Concen: 53.392 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 304492

Ion Ratio Lower Upper

91 100

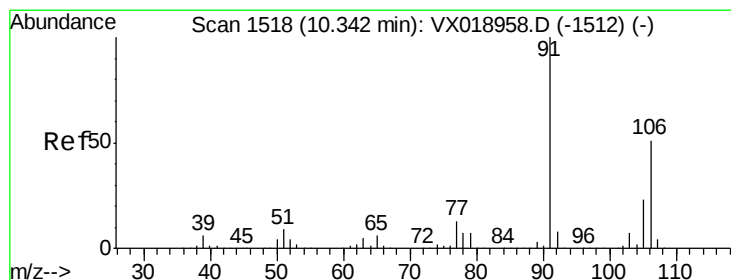
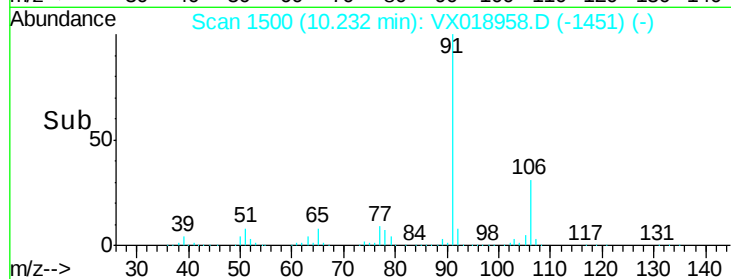
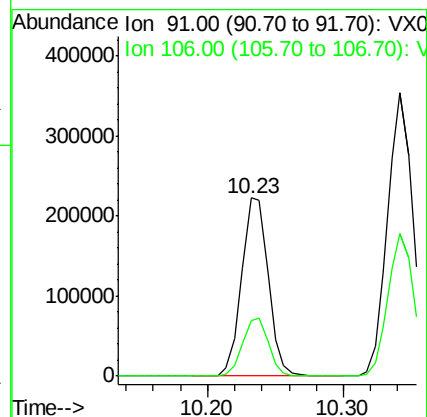
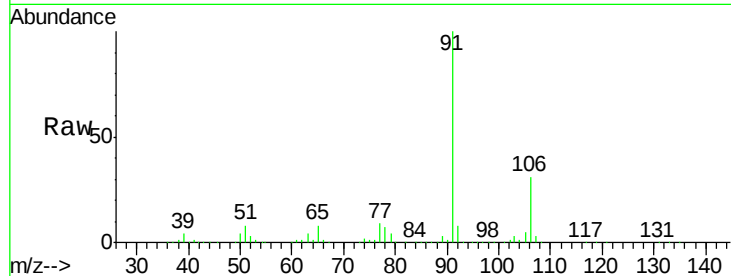
106 30.9 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

10/20/2020 4:52:03 PM



#68

m/p-Xylenes

Concen: 111.334 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018958.D

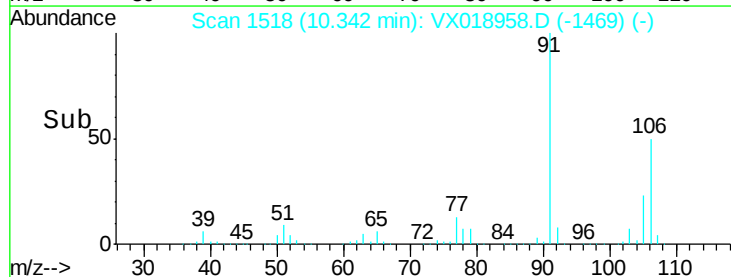
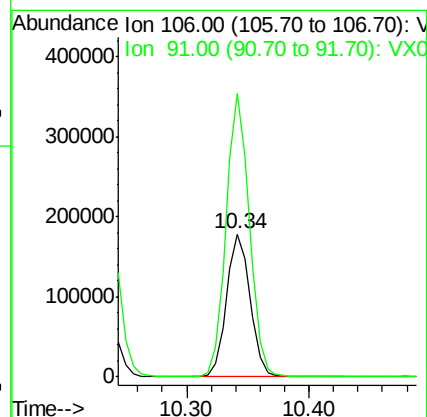
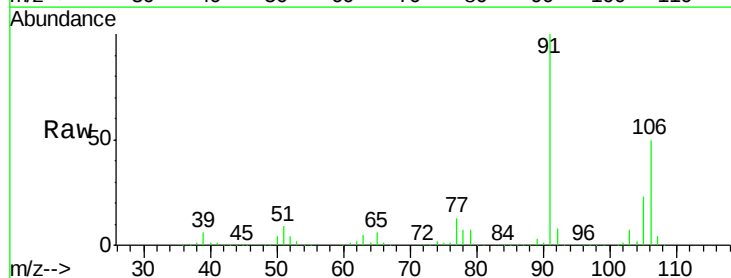
Acq: 19 Oct 2020 17:36

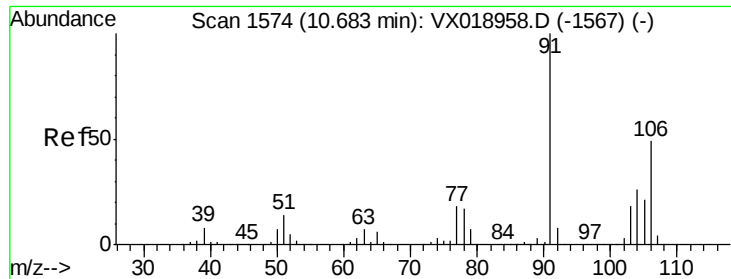
Tgt Ion: 106 Resp: 238075

Ion Ratio Lower Upper

106 100

91 195.9 156.7 235.1





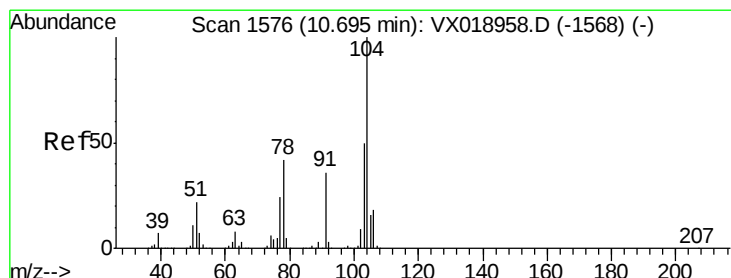
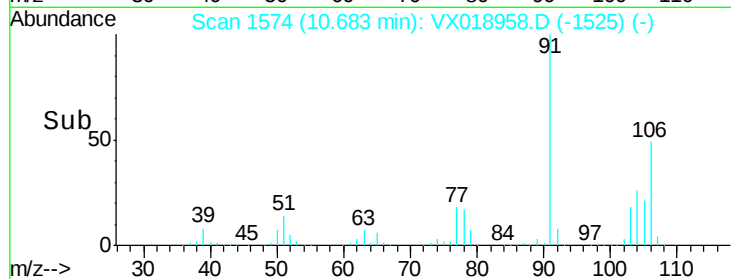
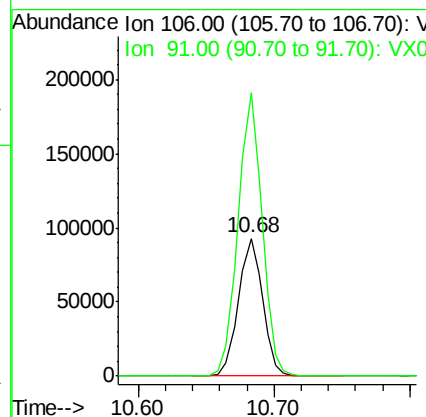
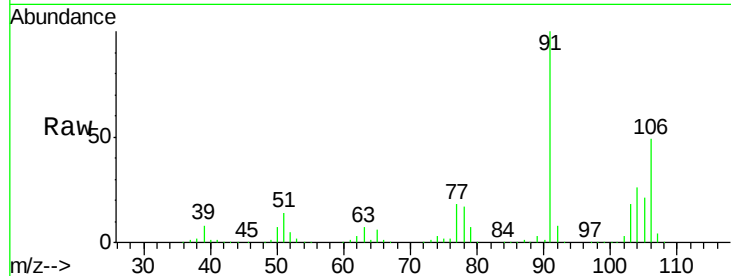
#69
o-Xylene
Concen: 55.412 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 115325
Ion Ratio Lower Upper
106 100
91 204.7 102.4 307.1

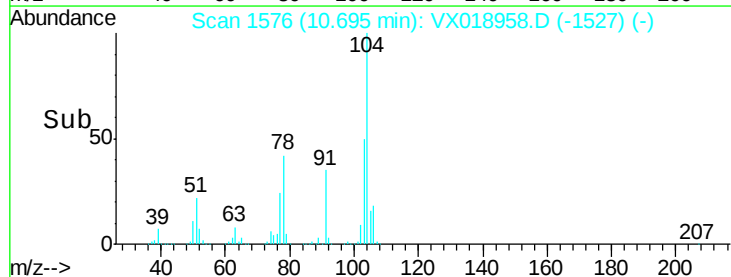
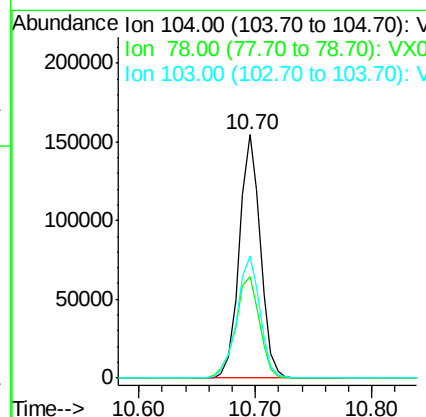
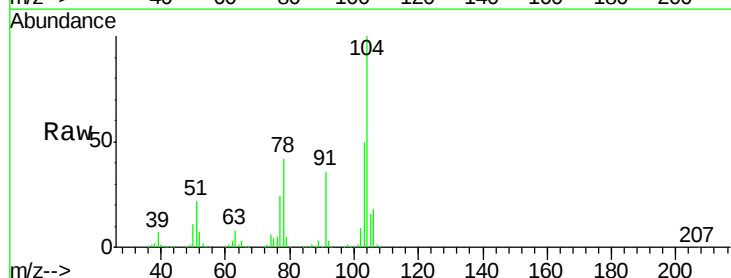
Manual Integrations
APPROVED

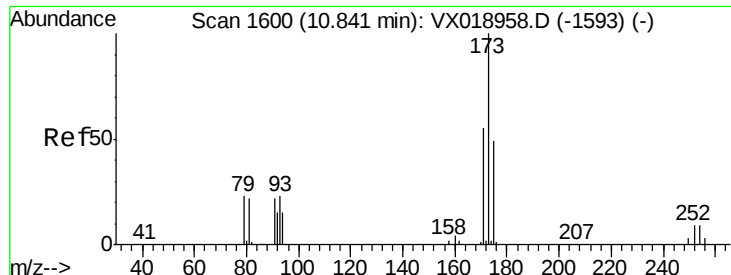
MMDadoda
10/20/2020 4:52:03 PM



#70
Styrene
Concen: 55.532 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Tgt Ion:104 Resp: 195594
Ion Ratio Lower Upper
104 100
78 47.4 37.9 56.9
103 54.6 43.7 65.5





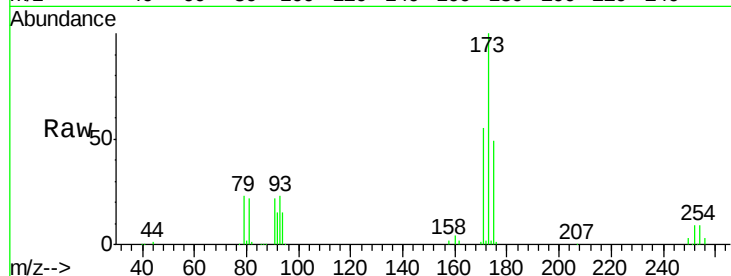
#71
Bromoform
Concen: 49.134 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

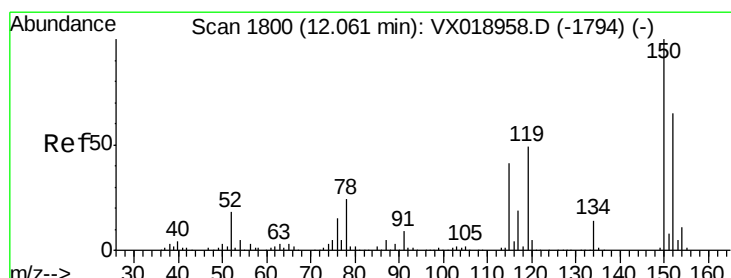
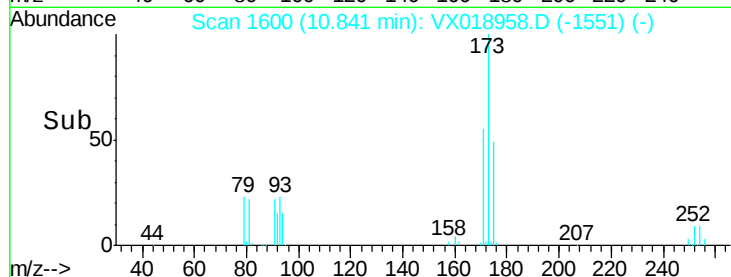
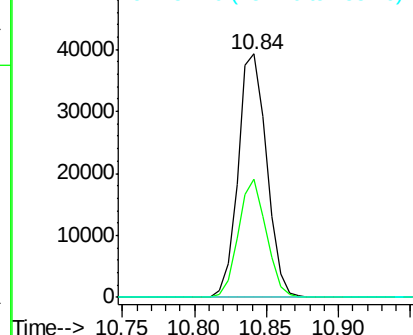
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	23.7	71.1
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:03 PM

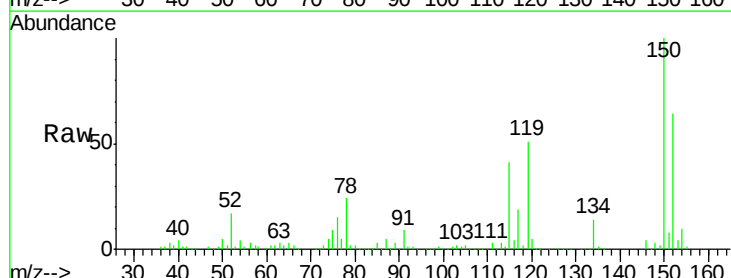


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

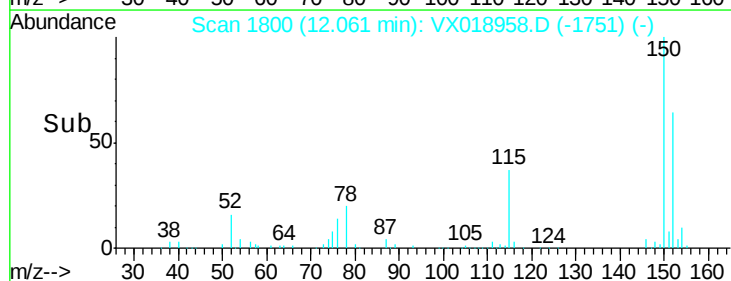
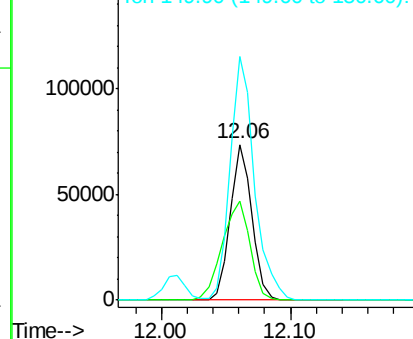


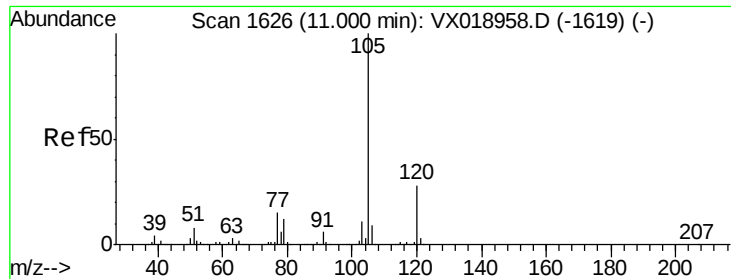
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.5	40.8	122.2
150	176.0	0.0	352.0



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: 52.416 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 301040

Ion Ratio Lower Upper

105 100

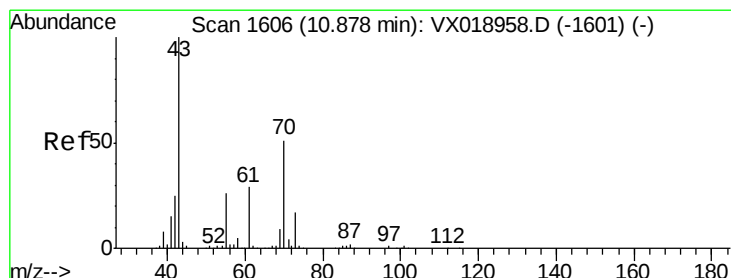
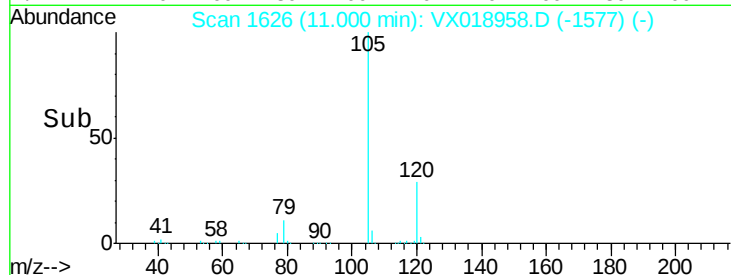
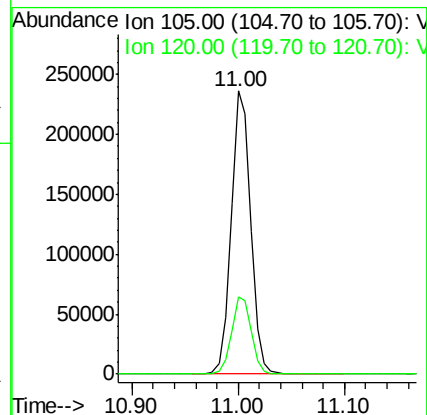
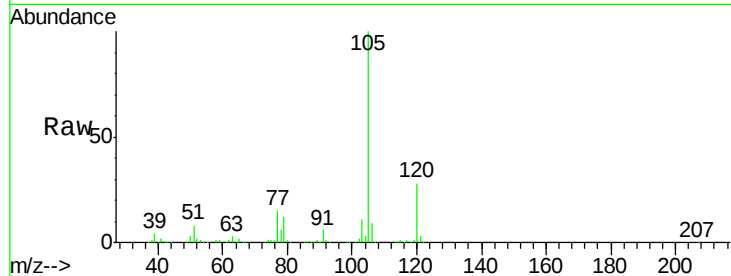
120 27.8 13.9 41.7

Manual Integrations

APPROVED

MMDadoda

10/20/2020 4:52:03 PM



#74

N-ethyl acetate

Concen: 40.973 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Tgt Ion: 43 Resp: 106145

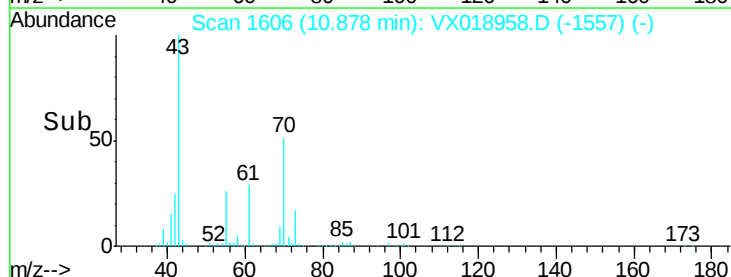
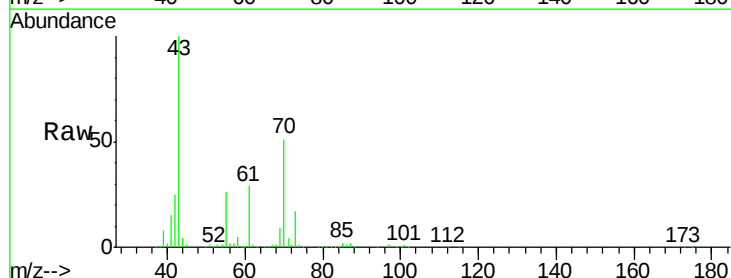
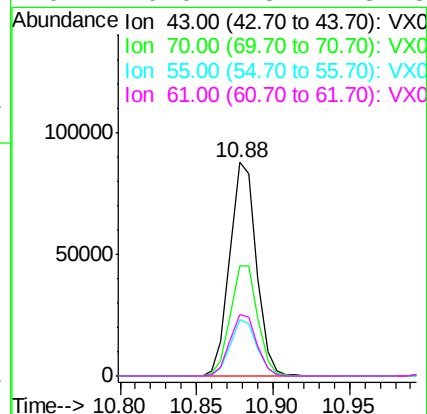
Ion Ratio Lower Upper

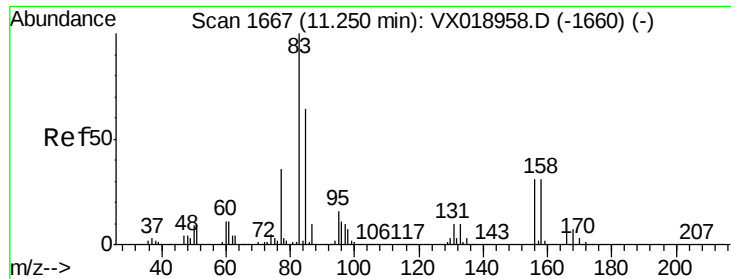
43 100

70 53.0 42.4 63.6

55 26.3 21.0 31.6

61 29.0 23.2 34.8





#75

1,1,2,2-Tetrachloroethane

Concen: 47.974 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Instrument :

MSVOA_X

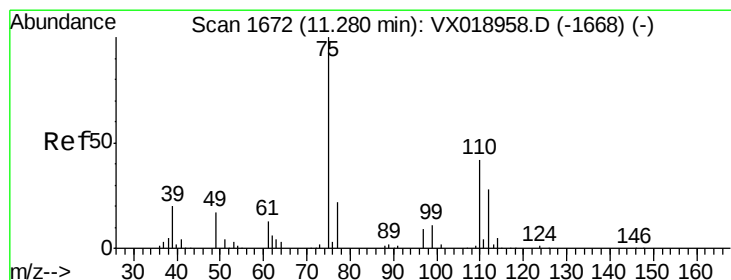
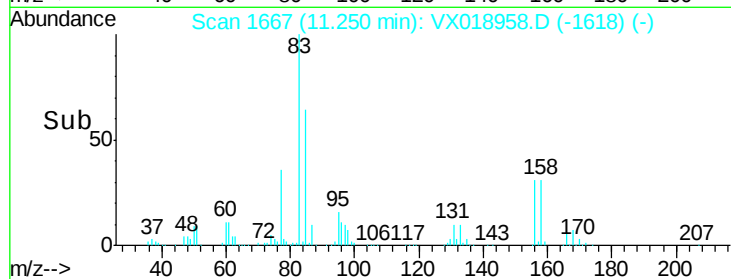
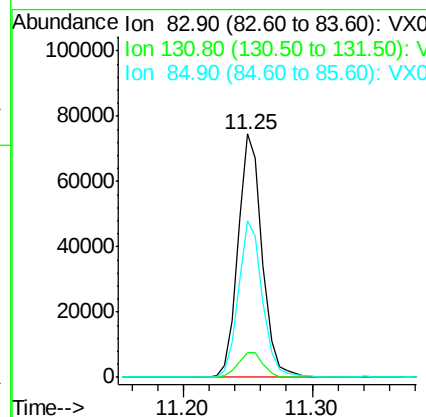
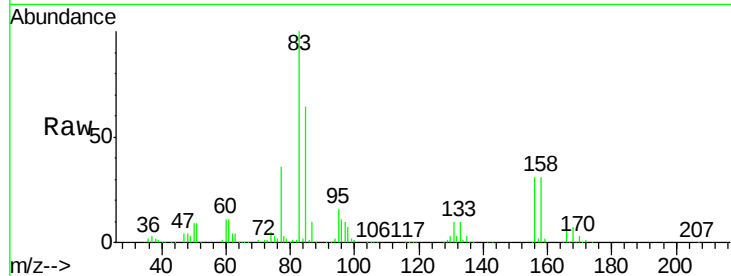
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	96957
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	64.4	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:03 PM



#76

1,2,3-Trichloropropane

Concen: 46.210 ug/l m

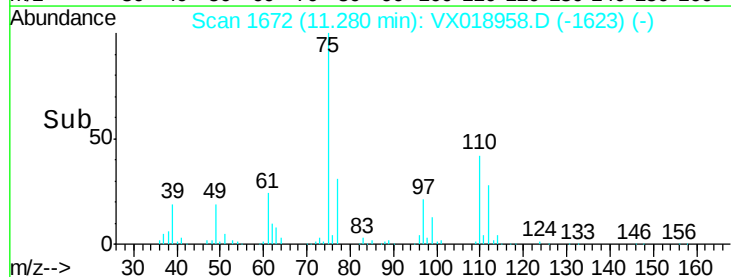
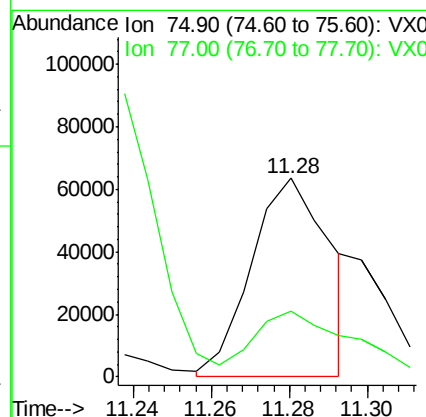
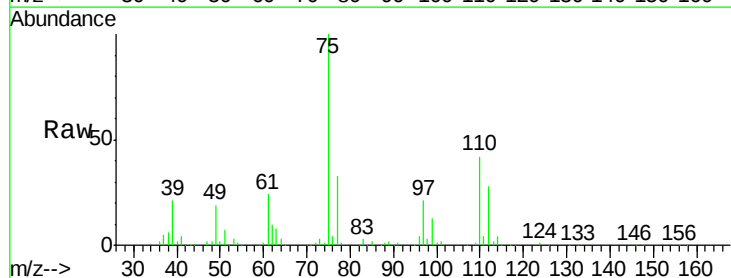
RT: 11.28 min Scan# 1672

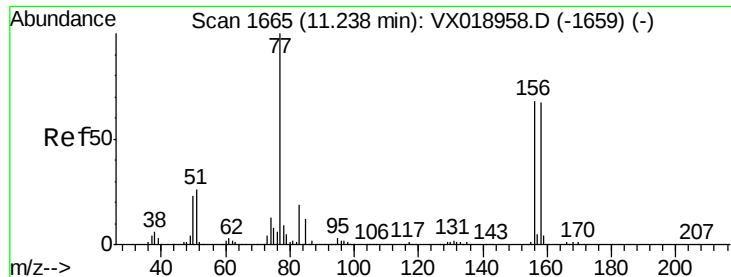
Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Tgt Ion:	75	Resp:	88405
Ion Ratio	Lower	Upper	
75	100		
77	42.1	21.1	63.1





#77

Bromobenzene

Concen: 47.075 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Instrument :

MSVOA_X

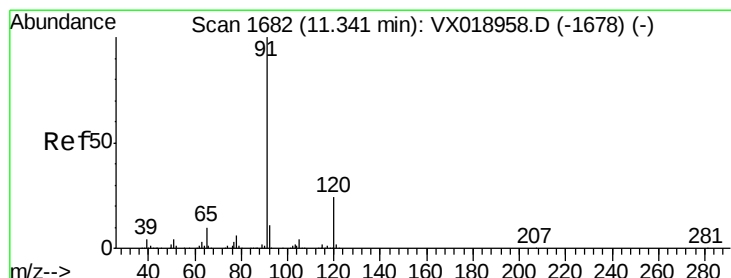
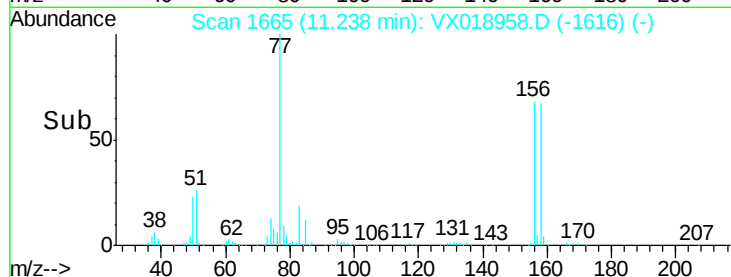
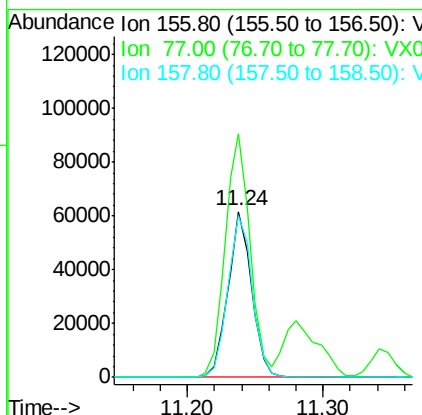
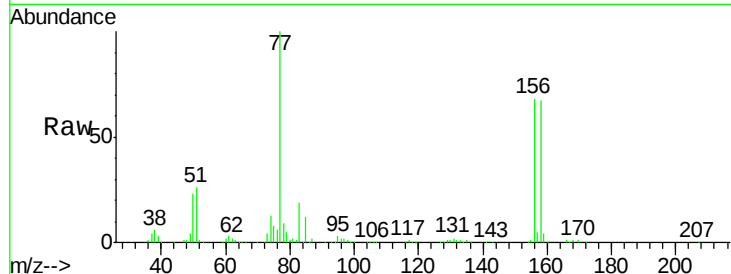
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	154.8	77.4	232.2	
158	101.3	50.6	151.9	

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:03 PM



#78

n-propylbenzene

Concen: 52.435 ug/l

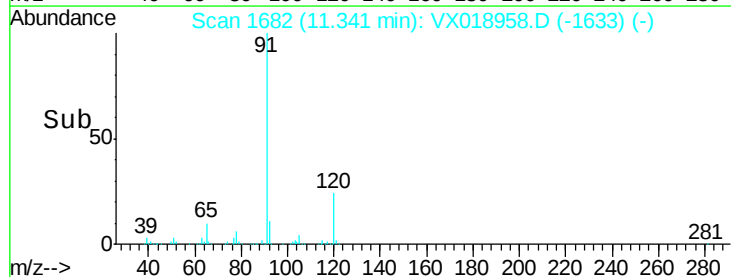
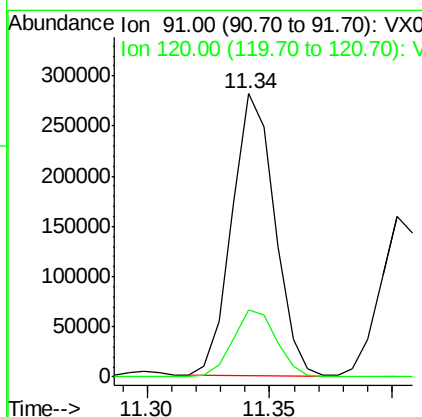
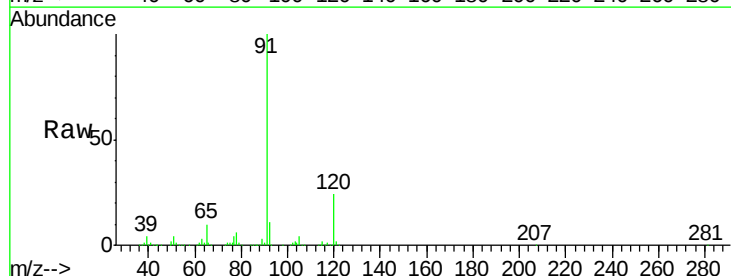
RT: 11.34 min Scan# 1682

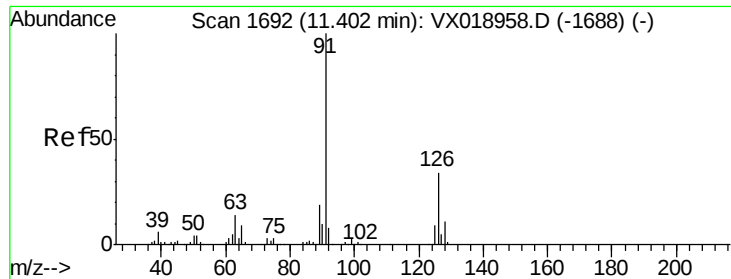
Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.3	12.2	36.4	





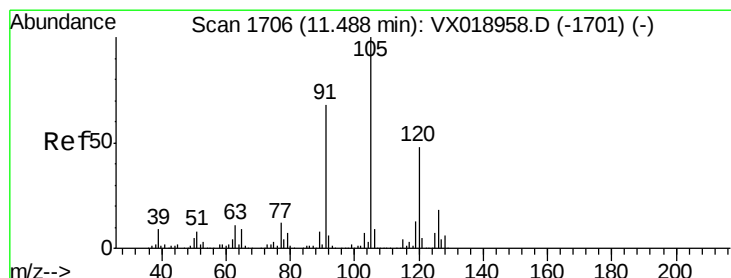
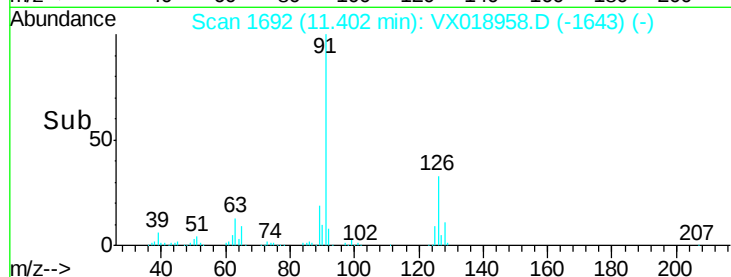
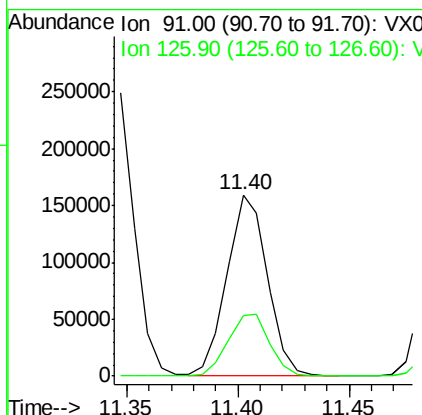
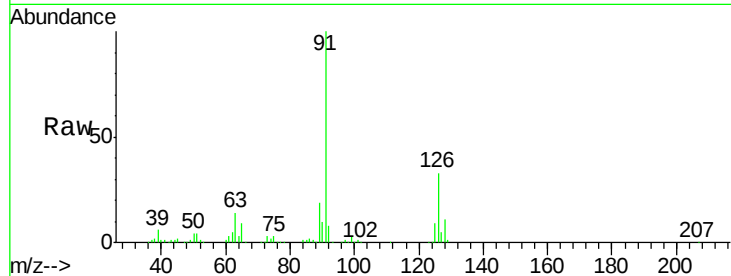
#79
 2-Chlorotoluene
 Concen: 50.084 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.6	52.9

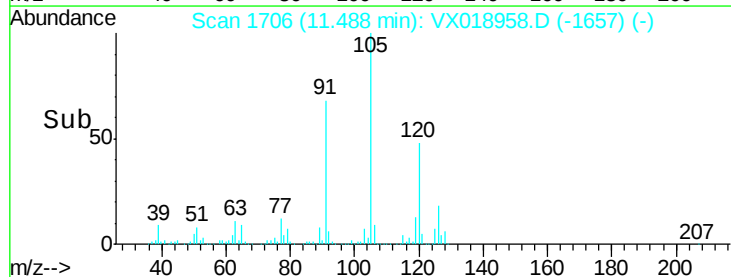
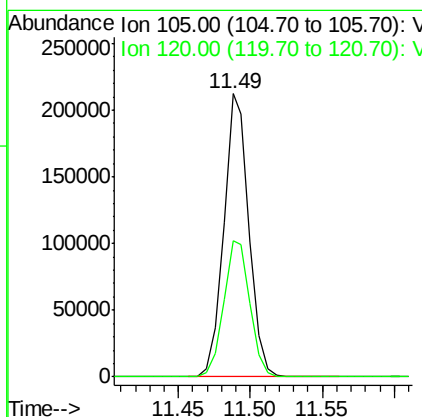
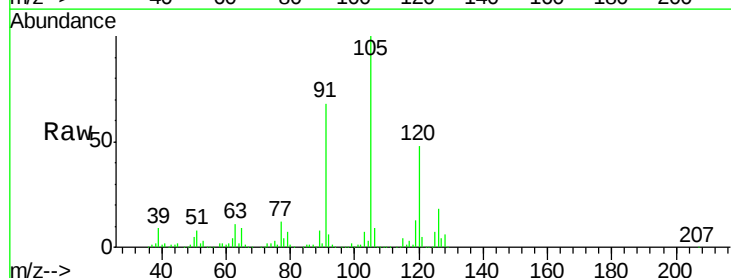
Manual Integrations
 APPROVED

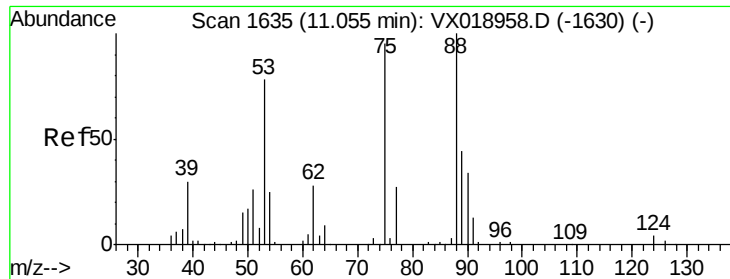
MMDadoda
 10/20/2020 4:52:03 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 54.670 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.2	25.1	75.3





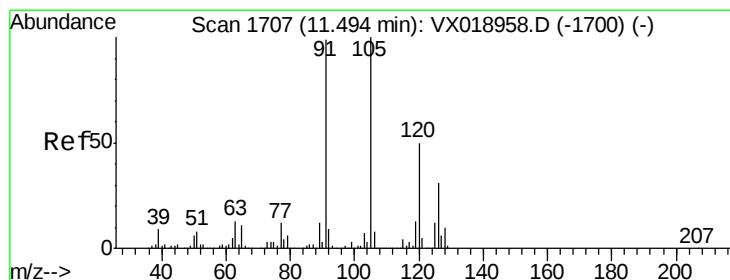
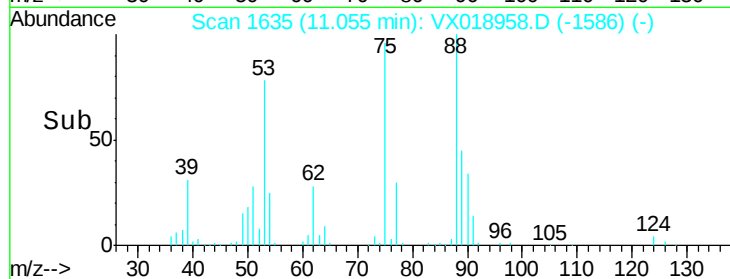
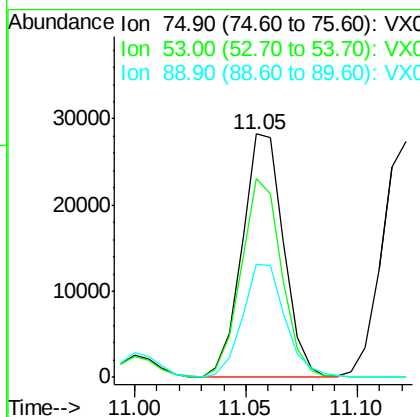
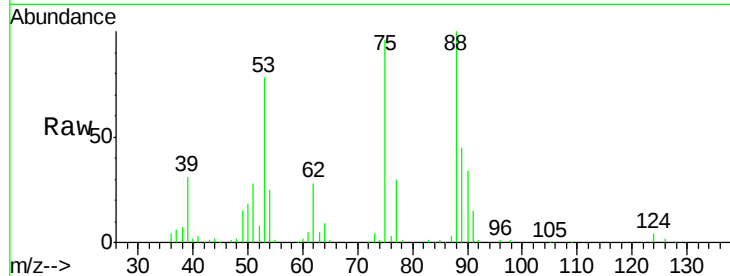
#81
trans-1,4-Dichloro-2-butene
Concen: 50.911 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
53	80.2	64.2	96.2	
89	48.3	38.6	58.0	

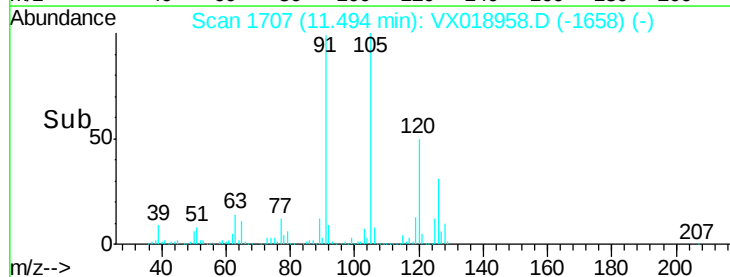
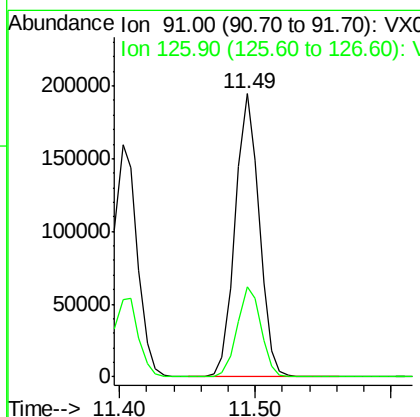
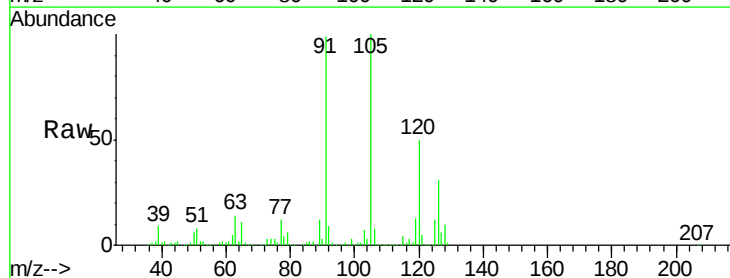
Manual Integrations
APPROVED

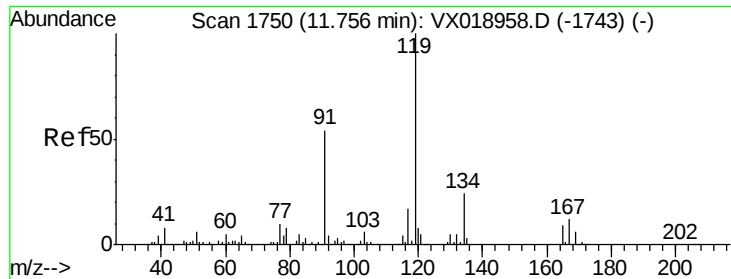
MMDadoda
10/20/2020 4:52:03 PM



#82
4-Chlorotoluene
Concen: 50.054 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
126	31.6	15.8	47.4	





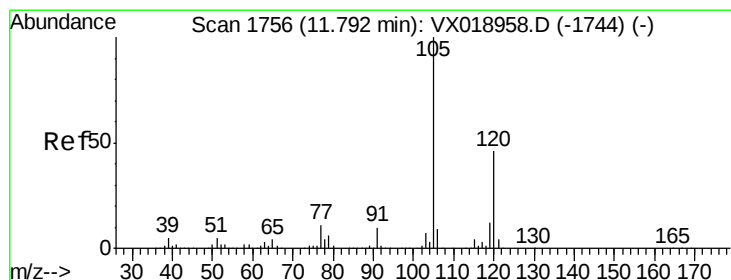
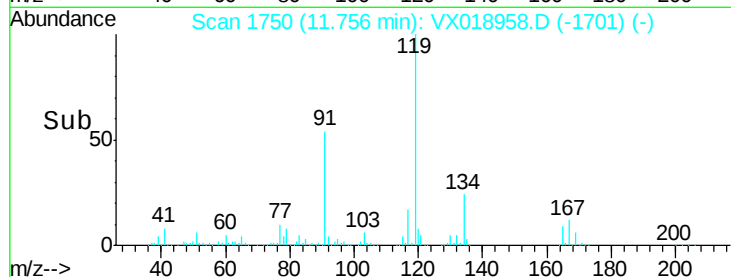
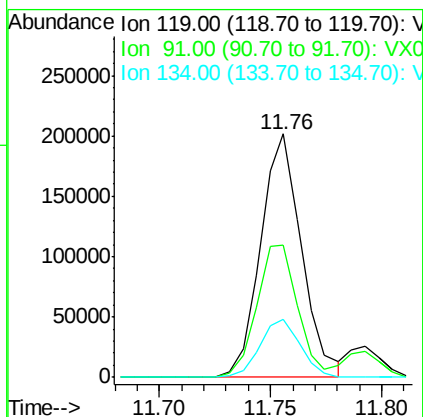
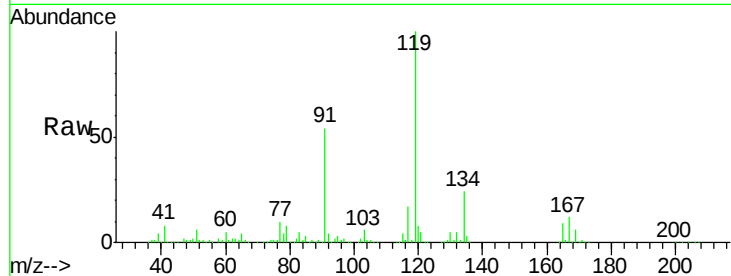
#83
 tert-Butylbenzene
 Concen: 54.734 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	257494		
91	54.4	27.2	81.6	
134	23.6	11.8	35.4	

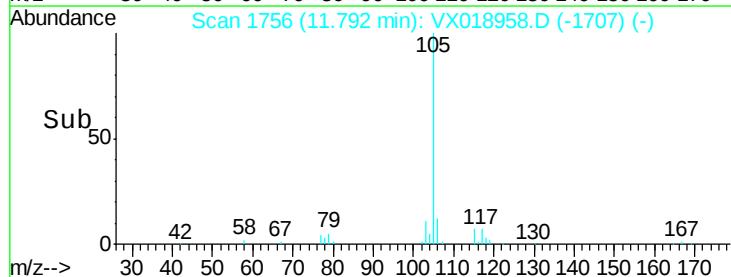
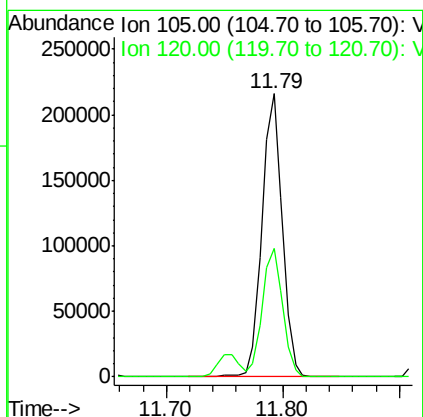
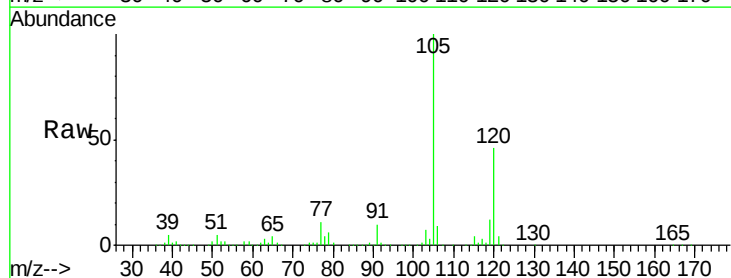
Manual Integrations
 APPROVED

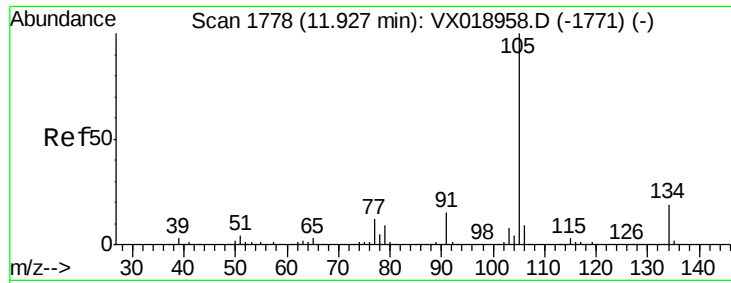
MMDadoda
 10/20/2020 4:52:03 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.051 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	261595		
120	45.7	22.9	68.5	





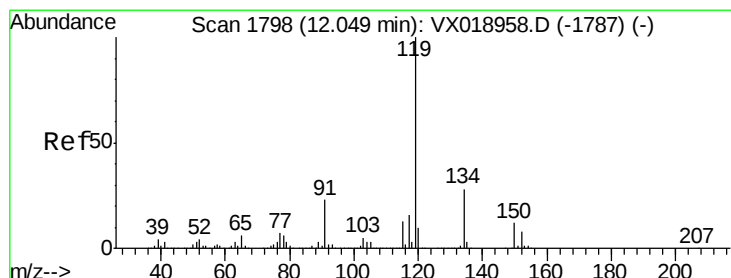
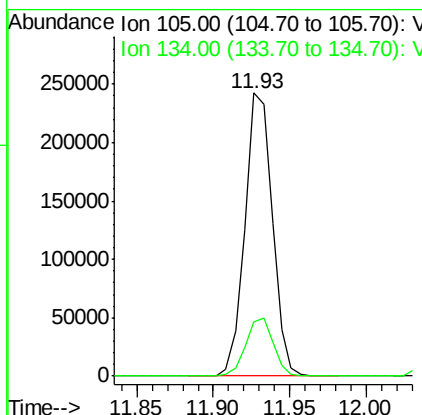
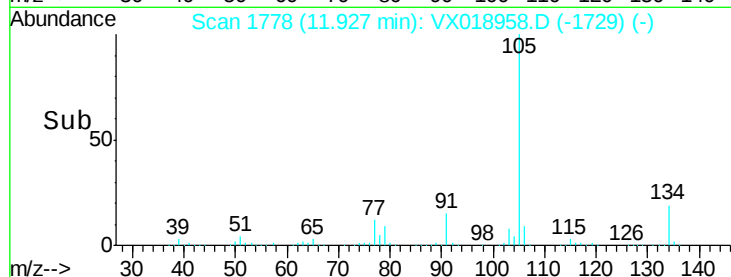
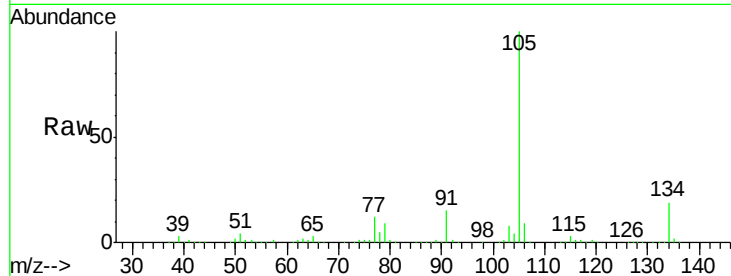
#85
 sec-Butylbenzene
 Concen: 56.296 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 301995
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.8

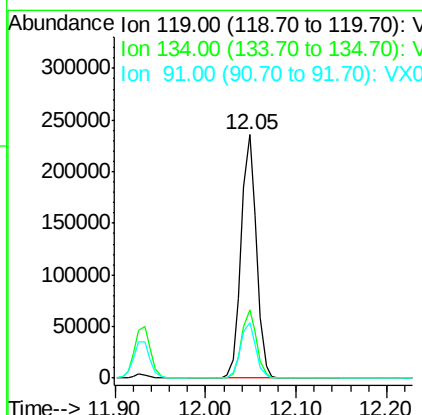
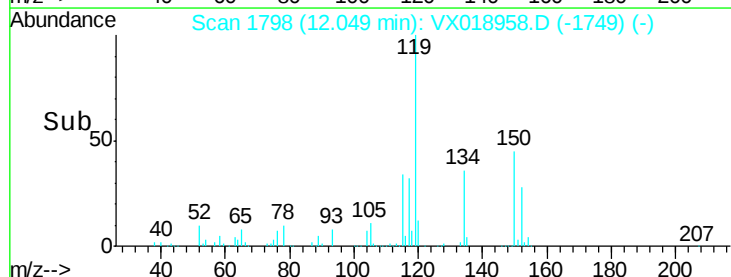
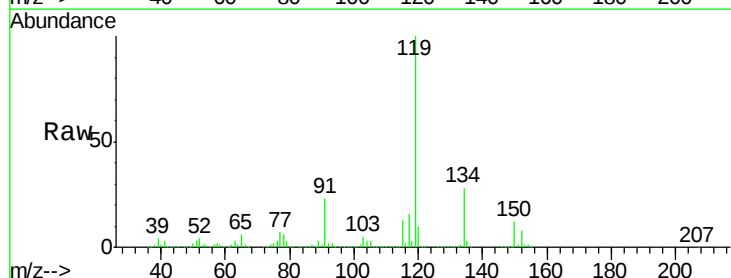
Manual Integrations
 APPROVED

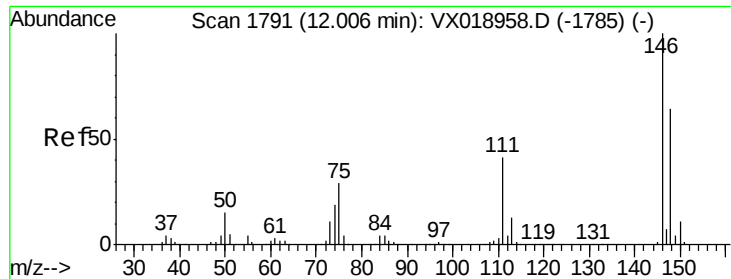
MMDadoda
 10/20/2020 4:52:03 PM



#86
 p-Isopropyltoluene
 Concen: 56.076 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Tgt Ion:119 Resp: 275039
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.8 41.4
 91 23.0 11.5 34.5





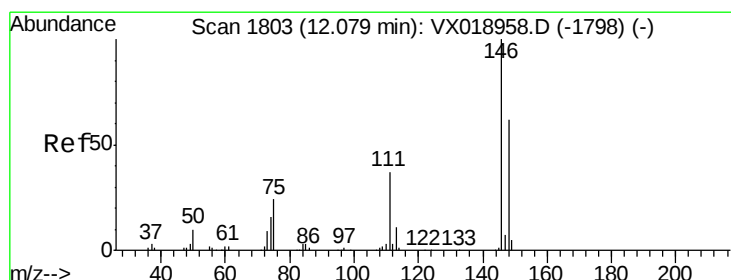
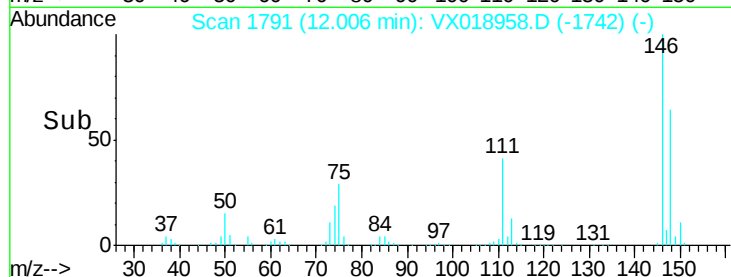
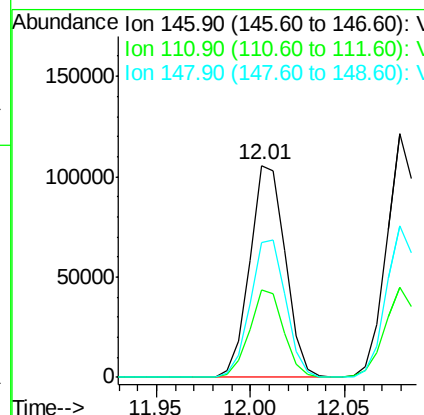
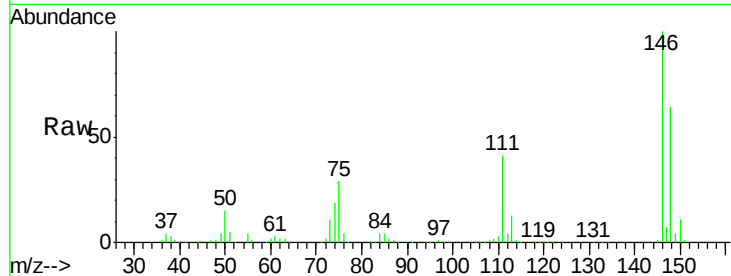
#87
 1,3-Dichlorobenzene
 Concen: 49.429 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	64.8	32.4	97.2

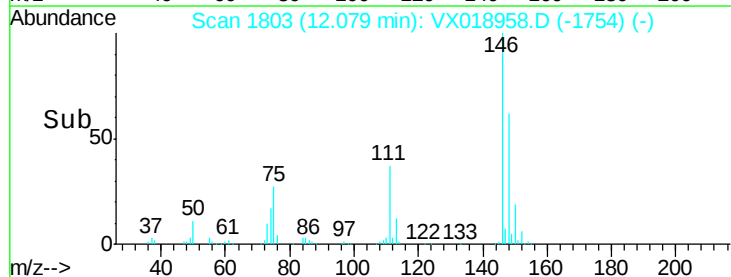
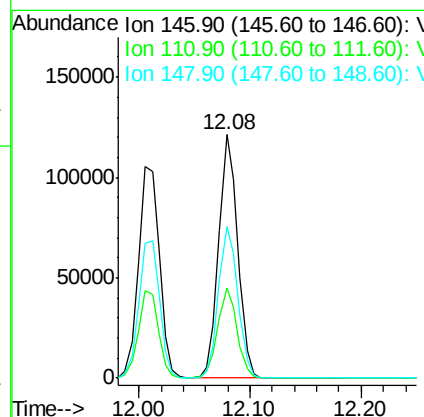
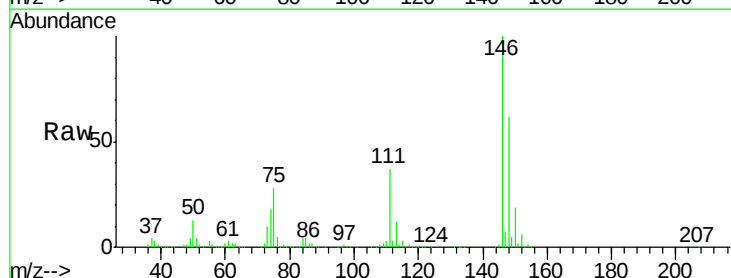
Manual Integrations
 APPROVED

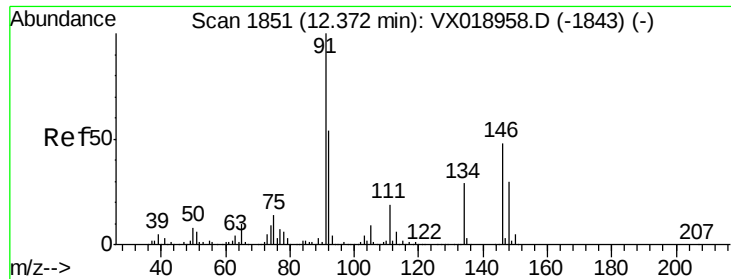
MMDadoda
 10/20/2020 4:52:03 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.127 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	63.4	31.7	95.1





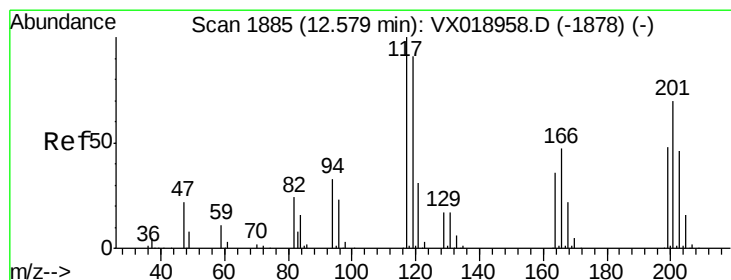
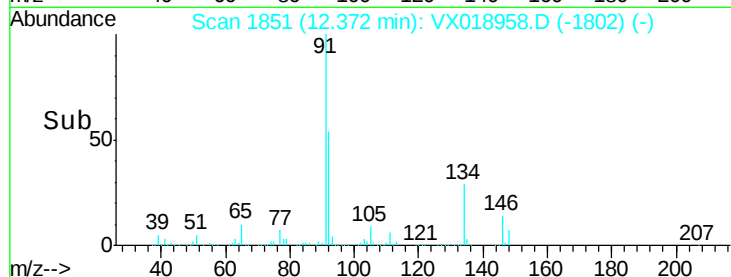
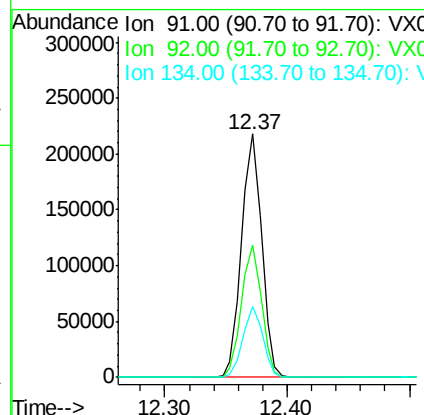
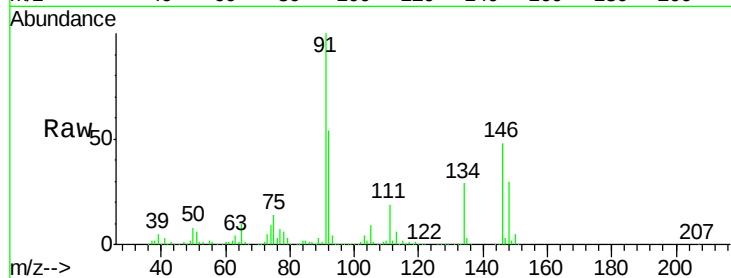
#89
n-Butylbenzene
Concen: 55.029 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.5
134	28.4	14.2	42.6

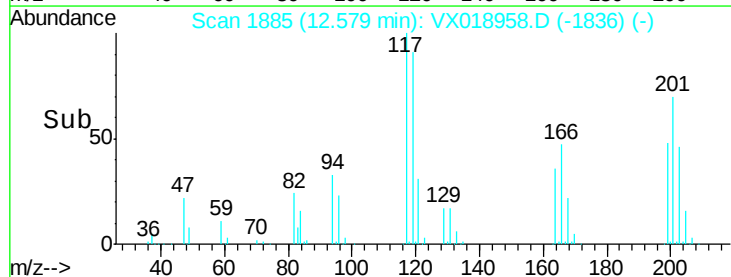
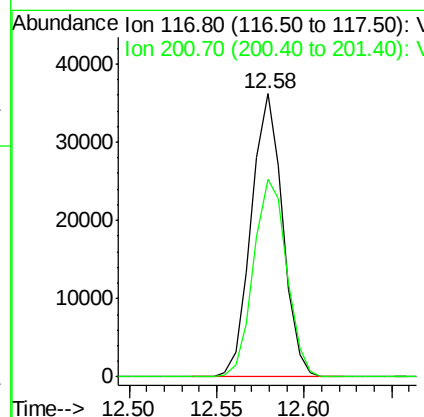
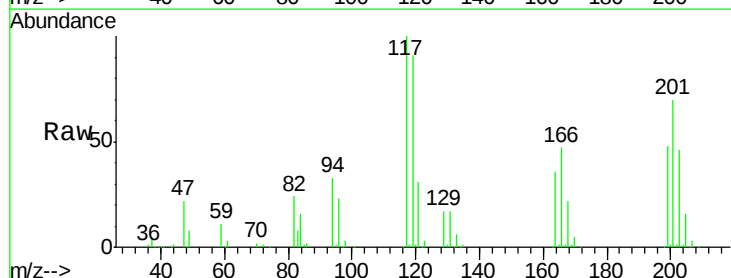
Manual Integrations
APPROVED

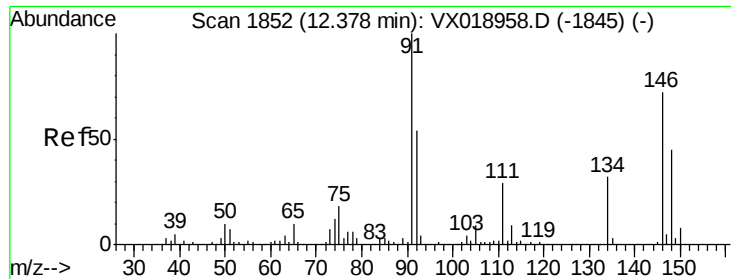
MMDadoda
10/20/2020 4:52:03 PM



#90
Hexachloroethane
Concen: 47.912 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX018958.D
Acq: 19 Oct 2020 17:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.8	36.9	110.7





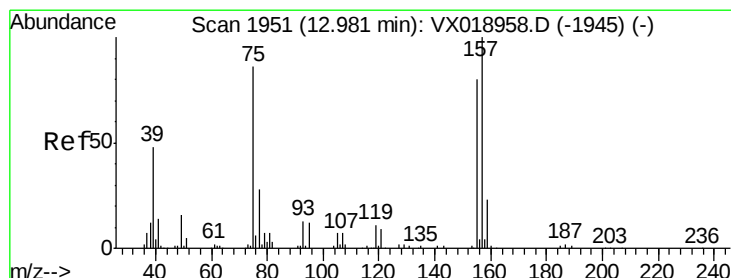
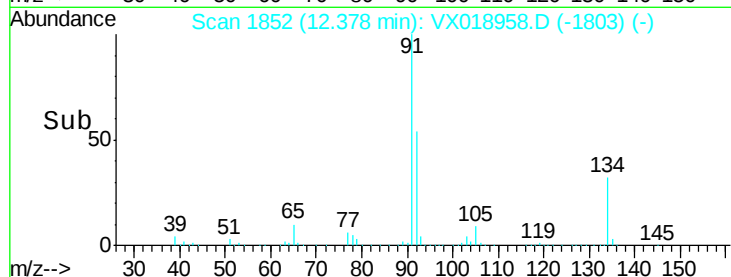
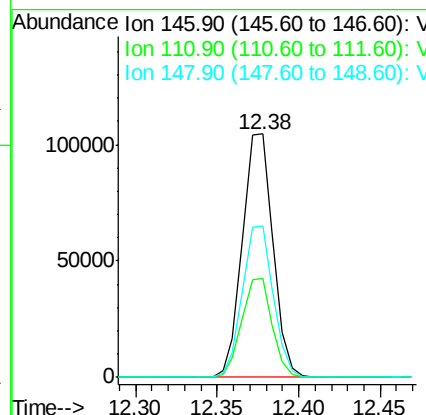
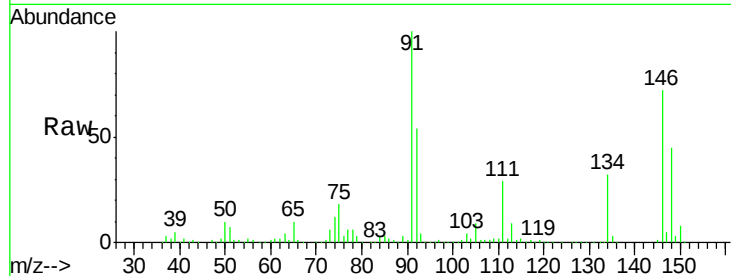
#91
 1,2-Dichlorobenzene
 Concen: 52.236 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.6
148	62.7	31.4	94.0

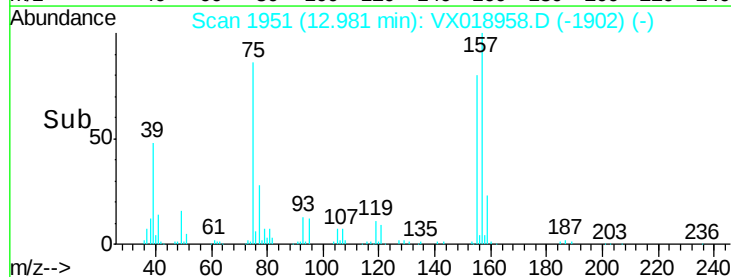
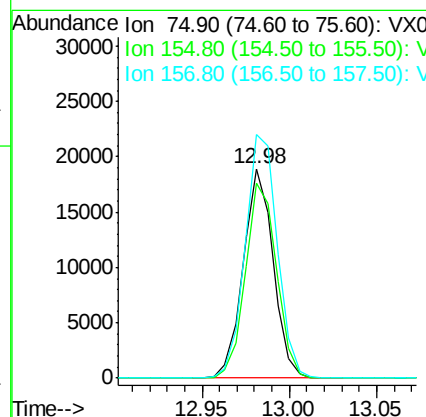
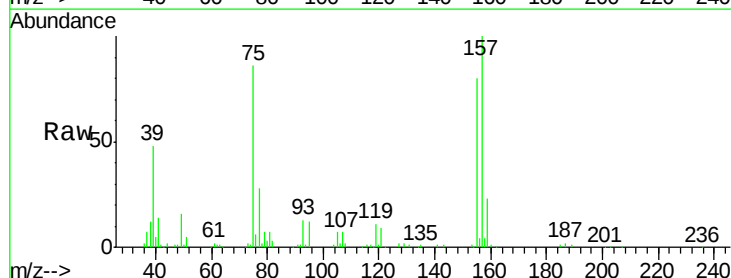
Manual Integrations
 APPROVED

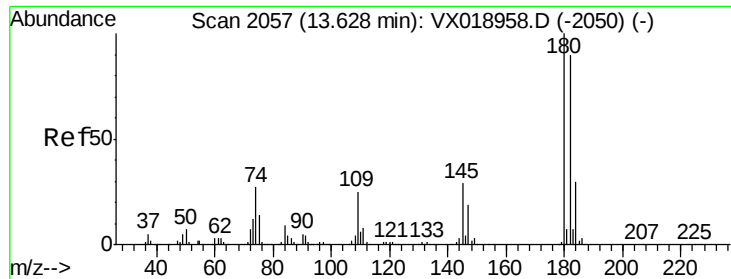
MMDadoda
 10/20/2020 4:52:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.131 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.4	48.2	144.6
157	124.4	62.2	186.6





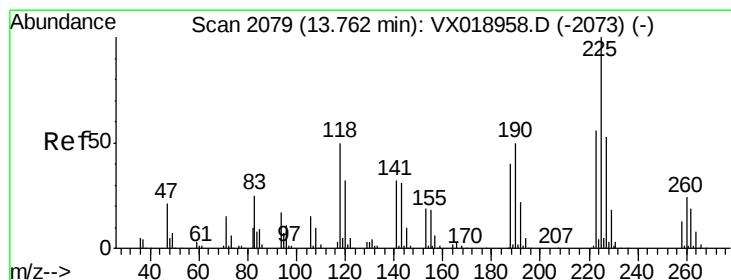
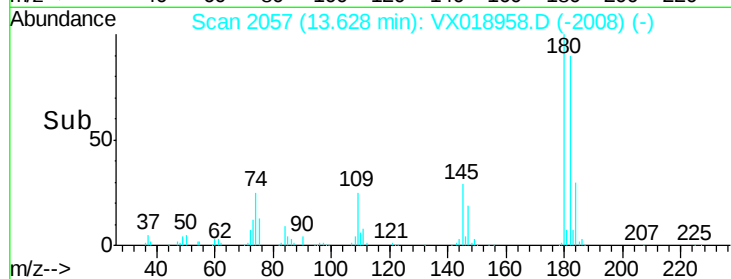
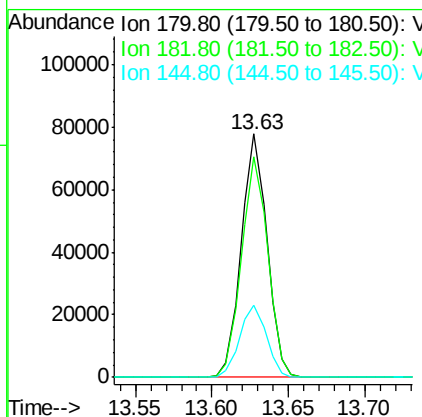
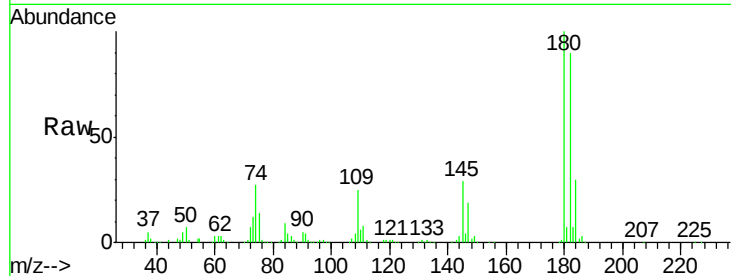
#93
 1,2,4-Trichlorobenzene
 Concen: 51.691 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	90885		
182	92.6	46.3	138.9	
145	31.0	15.5	46.5	

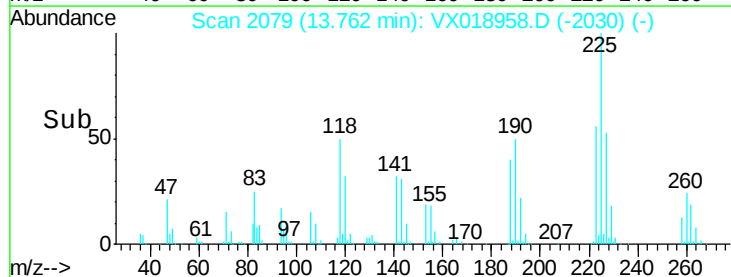
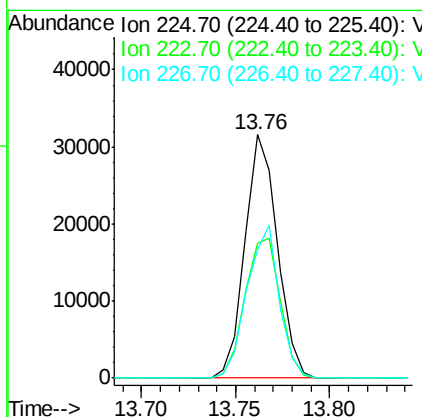
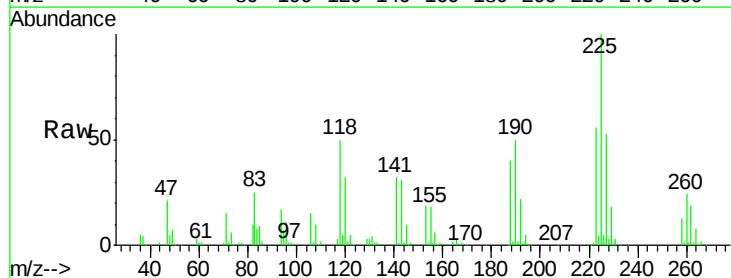
Manual Integrations
 APPROVED

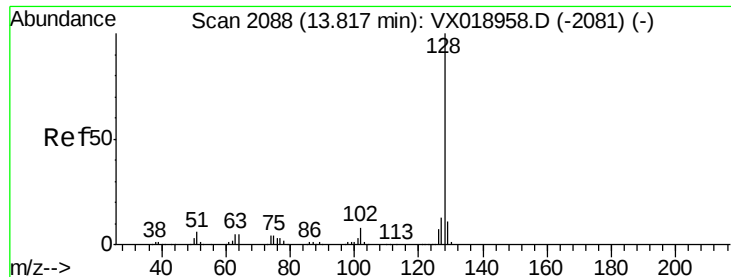
MMDadoda
 10/20/2020 4:52:03 PM



#94
 Hexachlorobutadiene
 Concen: 53.777 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX018958.D
 Acq: 19 Oct 2020 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	37782		
223	62.7	31.4	94.0	
227	61.9	30.9	92.8	





#95

Naphthalene

Concen: 55.243 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Instrument :

MSVOA_X

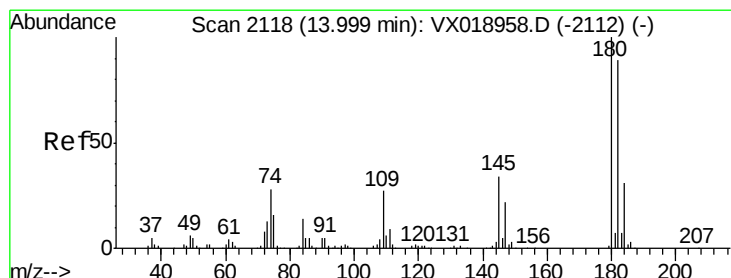
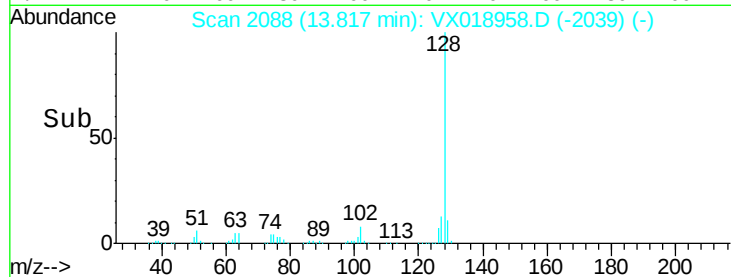
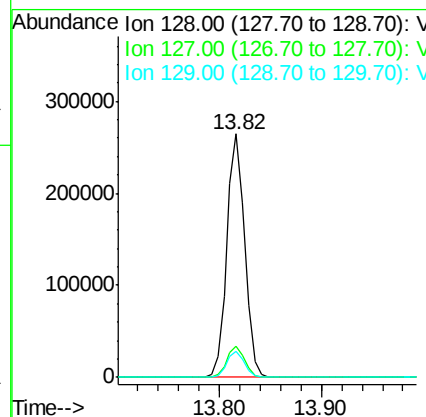
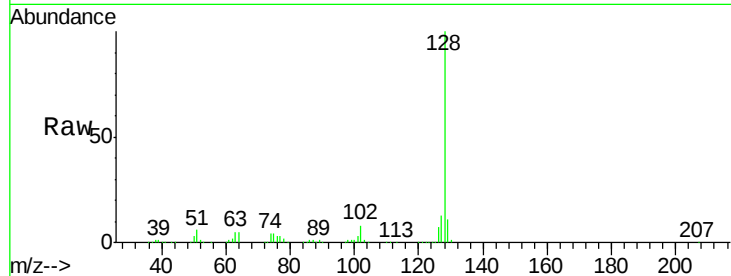
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	321772
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:03 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.274 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX018958.D

Acq: 19 Oct 2020 17:36

Tgt Ion:	180	Resp:	89255
Ion	Ratio	Lower	Upper
180	100		
182	93.1	46.6	139.7
145	34.0	17.0	51.0

