

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090420\
 Data File : VX018250.D
 Acq On : 04 Sep 2020 10:40
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 5:16:47 PM

Quant Time: Sep 04 12:08:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 11:54:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	84178	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	433122	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	411406	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	202915	30.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.50%
60) 4-Bromofluorobenzene	11.12	95	213778	30.82	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.73%
63) Toluene-d8	8.70	98	554413	31.01	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	82909	17.247	ug/l 100
3) Chloromethane	1.31	50	87896	18.032	ug/l 100
4) Vinyl Chloride	1.39	62	92354	18.833	ug/l 100
5) Bromomethane	1.64	94	69203	21.954	ug/l 100
6) Chloroethane	1.71	64	57274	20.084	ug/l 100
7) Trichlorofluoromethane	1.92	101	155453	19.819	ug/l 100
8) Diethyl Ether	2.17	74	49588	20.810	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	80941	21.481	ug/l 100
10) 1,1-Dichloroethene	2.36	96	78690	21.963	ug/l 100
11) Methyl Iodide	2.50	142	68587	17.062	ug/l 100
12) Methyl Acetate	2.75	43	106132	20.504	ug/l 100
13) Acrolein	2.28	56	37186	55.398	ug/l 100
14) Acrylonitrile	3.12	53	233149	106.715	ug/l 100
15) Acetone	2.42	58	64886	107.749	ug/l 100
16) Carbon Disulfide	2.56	76	232288	24.184	ug/l 100
17) Allyl chloride	2.71	41	138729	20.994	ug/l 100
18) Methylene Chloride	2.84	84	94479	22.637	ug/l 100
19) trans-1,2-Dichloroethene	3.14	96	86165	22.722	ug/l 100
20) Diisopropyl ether	3.83	45	283471	21.439	ug/l 100
21) 1,1-Dichloroethane	3.67	63	162336	22.461	ug/l 100
22) cis-1,2-Dichloroethene	4.57	96	97978	21.826	ug/l 100
23) tert-Butyl Alcohol	3.01	59	97625	98.222	ug/l 100
24) Methyl tert-Butyl Ether	3.17	73	277142	20.564	ug/l 100
25) Chloroform	5.18	83	172886	21.807	ug/l 100
26) Cyclohexane	5.56	56	125785	20.442	ug/l # 100
29) 1,1-Dichloropropene	5.77	75	120068	22.272	ug/l 100
30) 2-Butanone	4.64	43	335189	111.540	ug/l 100
31) 2,2-Dichloropropane	4.56	77	146229	21.712	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	160685	22.240	ug/l 100
33) Carbon Tetrachloride	5.76	117	150455	22.504	ug/l 100
34) Benzene	6.11	78	351378	22.834	ug/l 100
35) Methacrylonitrile	5.01	41	69184	21.292	ug/l 100
36) 1,2-Dichloroethane	6.17	62	143683	22.275	ug/l # 100
37) Trichloroethene	7.19	130	98405	21.917	ug/l 100
38) Methylcyclohexane	7.45	83	120956	19.310	ug/l 100
39) 1,2-Dichloropropane	7.49	63	94315	22.658	ug/l 100
40) Dibromomethane	7.64	93	67936	22.857	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090420\
 Data File : VX018250.D
 Acq On : 04 Sep 2020 10:40
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 5:16:47 PM

Quant Time: Sep 04 12:08:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 11:54:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	138636	21.555	ug/l	100
42) Vinyl Acetate	3.79	43	1247434	120.062	ug/l	100
43) Ethyl Acetate	4.79	43	133055	23.120	ug/l	100
44) Isopropyl Acetate	6.42	43	211022	21.523	ug/l	100
45) 1,4-Dioxane	7.71	88	34270	376.086	ug/l	100
46) Methyl methacrylate	7.75	41	98820	20.661	ug/l	100
47) n-amyl Acetate	10.88	43	176559	21.710	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	146359	21.230	ug/l	100
49) cis-1,3-Dichloropropene	8.41	75	157383	21.166	ug/l	100
50) 1,1,2-Trichloroethane	9.20	97	94510	22.687	ug/l	100
51) Ethyl methacrylate	9.16	69	129263	21.146	ug/l	100
52) 1,3-Dichloropropane	9.35	76	155302	22.557	ug/l	100
53) Dibromochloromethane	9.57	129	112736	21.173	ug/l	100
54) 1,2-Dibromoethane	9.65	107	100959	21.969	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	349378	105.601	ug/l	100
56) Bromoform	10.84	173	82743	20.950	ug/l	100
58) 4-Methyl-2-Pentanone	8.62	43	662526	109.814	ug/l	100
59) 2-Hexanone	9.47	43	495861	113.461	ug/l	100
61) Tetrachloroethene	9.32	164	96394	20.943	ug/l	100
62) Toluene	8.77	91	383873	22.508	ug/l	100
64) Chlorobenzene	10.12	112	248569	21.823	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.20	131	98618	21.179	ug/l	100
66) Ethyl Benzene	10.24	91	417597	22.019	ug/l	100
67) m/p-Xylenes	10.34	106	322256	45.151	ug/l	100
68) o-Xylene	10.68	106	147436	21.188	ug/l	100
69) Styrene	10.69	104	262066	21.492	ug/l	100
70) Isopropylbenzene	11.00	105	420083	20.893	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	139130	23.646	ug/l	100
72) 1,2,3-Trichloropropane	11.28	75	135323m	23.277	ug/l	100
73) Bromobenzene	11.24	156	115885	21.657	ug/l	100
74) n-propylbenzene	11.34	91	493887	21.351	ug/l	100
75) 2-Chlorotoluene	11.40	91	301651	21.517	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	363366	21.391	ug/l	100
77) t-1,4-Dichloro-2-butene	11.05	75	49366	21.689	ug/l	100
78) 4-Chlorotoluene	11.49	91	357597	21.877	ug/l	100
79) tert-butylbenzene	11.76	119	350144	21.022	ug/l	100
80) 1,2,4-Trimethylbenzene	11.79	105	363223	20.586	ug/l	100
81) sec-Butylbenzene	11.93	105	403260	20.396	ug/l	100
82) p-Isopropyltoluene	12.05	119	375942	20.827	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	208450	21.255	ug/l	100
84) 1,4-Dichlorobenzene	12.08	146	209582	21.530	ug/l	100
85) n-Butylbenzene	12.37	91	324451	18.987	ug/l	100
86) Hexachloroethane	12.58	117	73481	19.254	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	193519	20.032	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	33273	20.538	ug/l	100
89) 1,2,4-Trichlorobenzene	13.63	180	125284	18.765	ug/l	100
90) Hexachlorobutadiene	13.76	225	56642	18.530	ug/l	100
91) Naphthalene	13.82	128	391182	19.686	ug/l	100
92) 1,2,3-Trichlorobenzene	14.00	180	124619	19.340	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090420\
Data File : VX018250.D
Acq On : 04 Sep 2020 10:40
Operator : JC/SP
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

MMDadoda
9/8/2020 5:16:47 PM

Quant Time: Sep 04 12:08:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 04 11:54:34 2020
Response via : Initial Calibration

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

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

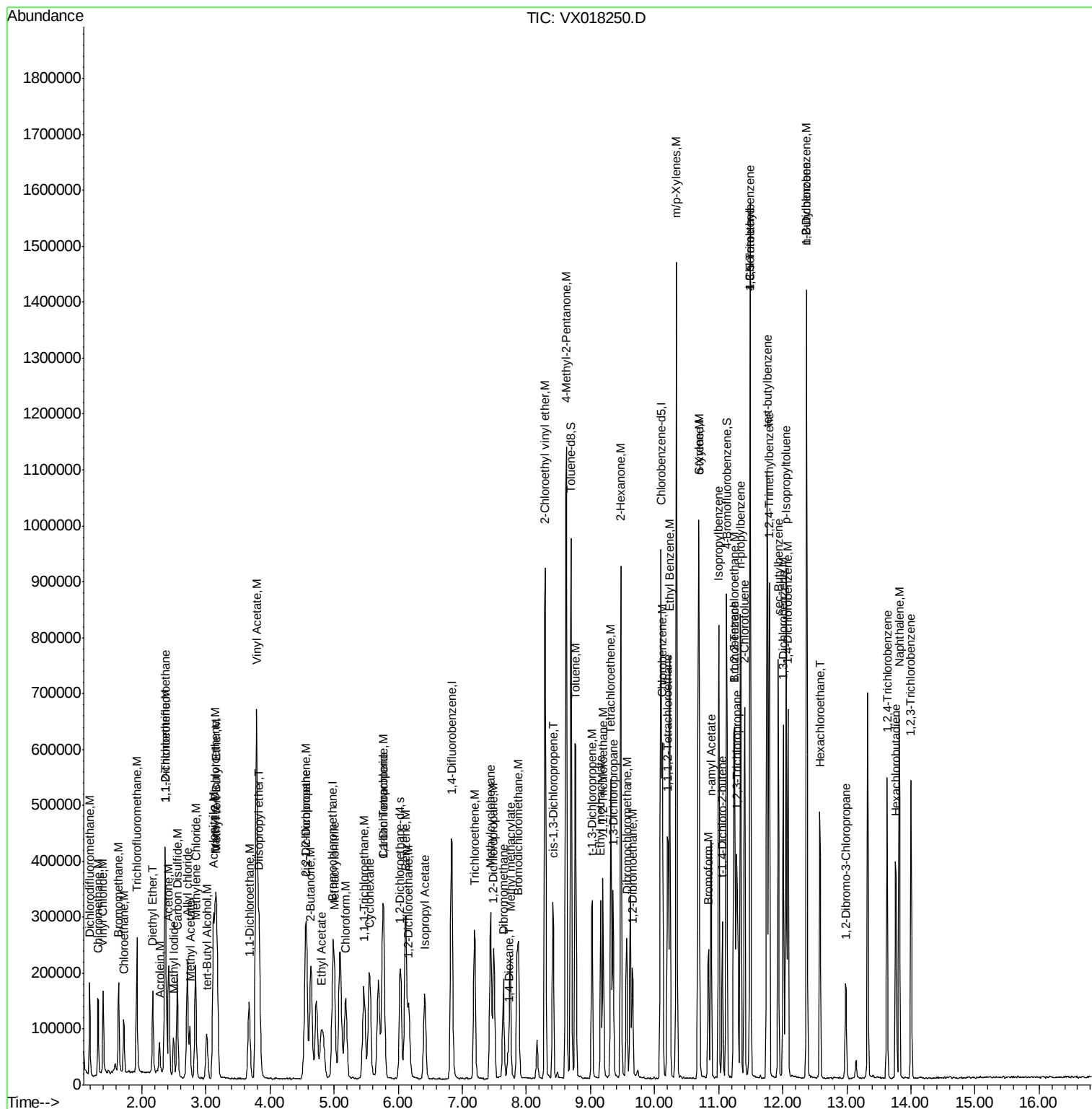
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090420\
Data File : VX018250.D
Acq On : 04 Sep 2020 10:40
Operator : JC/SP
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

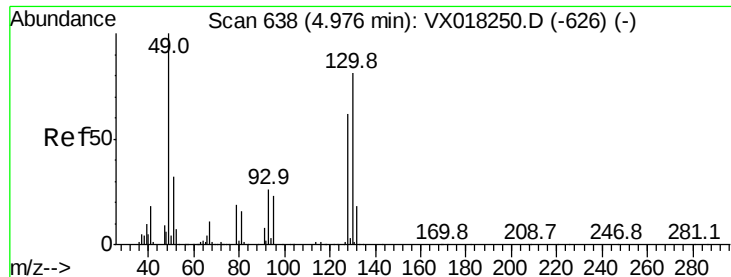
Instrument :
MSVOA_X
ClientSampleID :
VSTDICCC020

Manual Integrations
APPROVED

MMDadoda
9/8/2020 5:16:47 PM

Quant Time: Sep 04 12:08:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 04 11:54:34 2020
Response via : Initial Calibration





#1

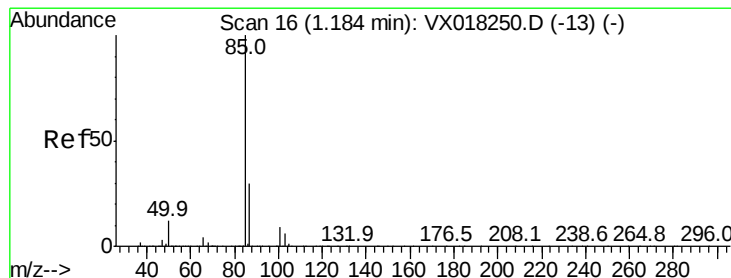
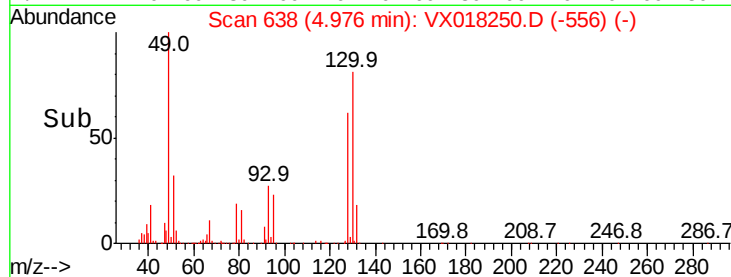
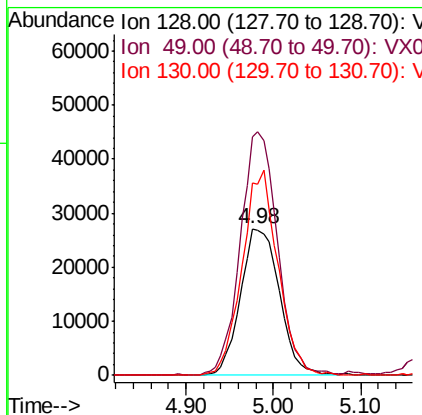
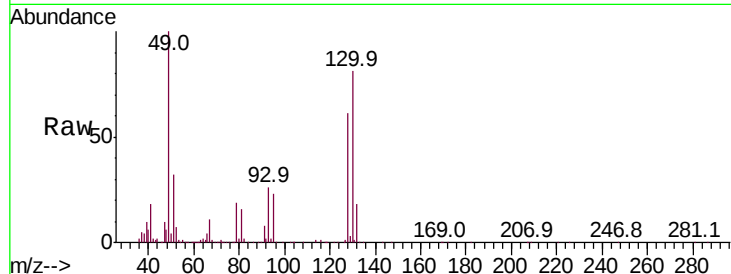
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.98 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VX018250.D
 Acq: 04 Sep 2020 10:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	156.8	0.0	392.0
130	128.1	0.0	320.2

Manual Integrations
 APPROVED

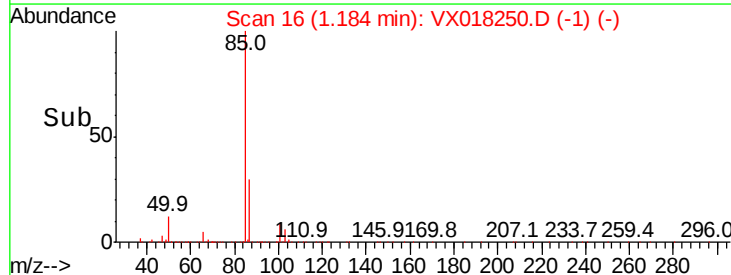
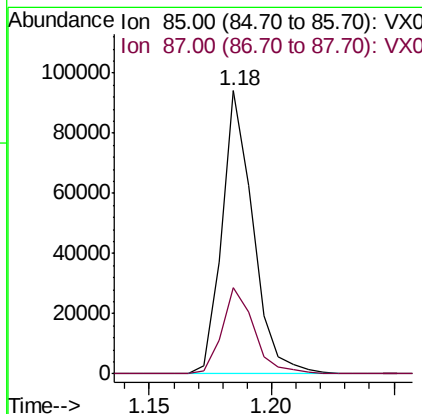
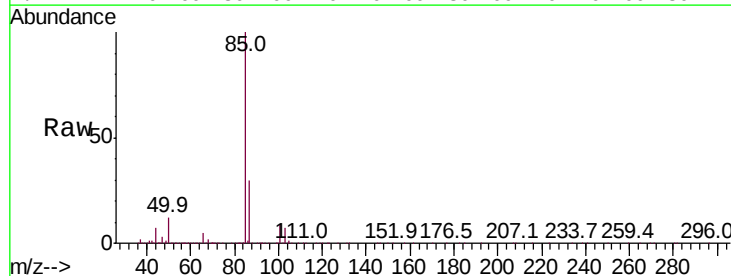
MMDadoda
 9/8/2020 5:16:47 PM

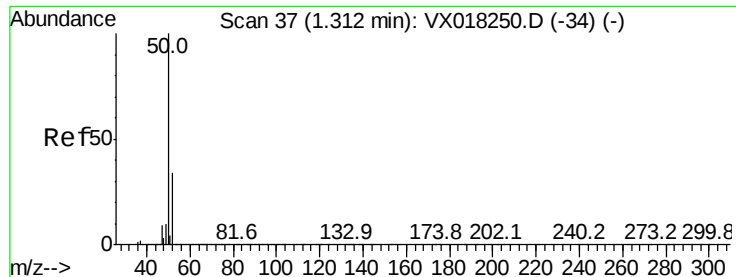


#2

Dichlorodifluoromethane
 Concen: 17.247 ug/l
 RT: 1.18 min Scan# 16
 Delta R.T. 0.00 min
 Lab File: VX018250.D
 Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.2	15.1	45.3





#3

Chloromethane

Concen: 18.032 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 87896

Ion Ratio Lower Upper

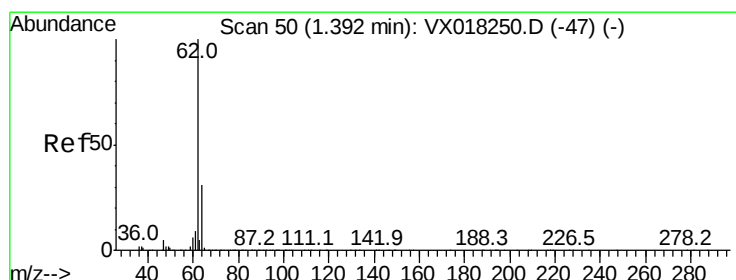
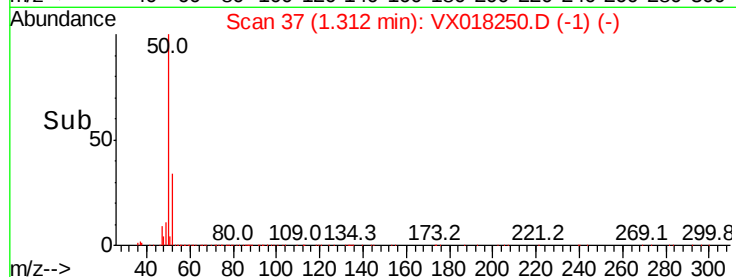
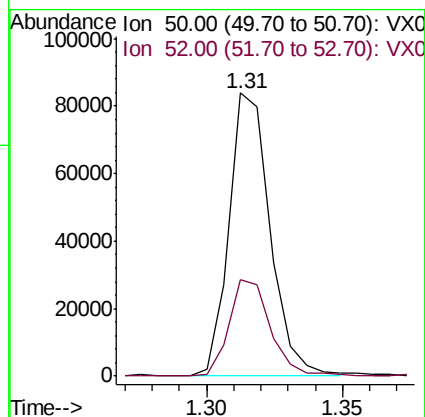
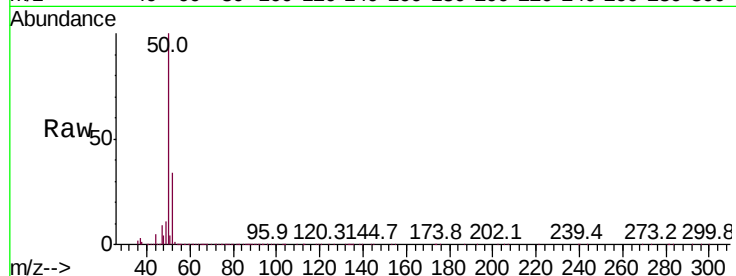
50 100

52 33.9 27.1 40.7

Manual Integrations
APPROVED

MMDadoda

9/8/2020 5:16:47 PM



#4

Vinyl Chloride

Concen: 18.833 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018250.D

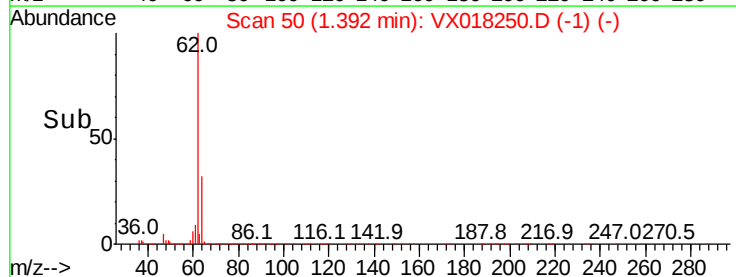
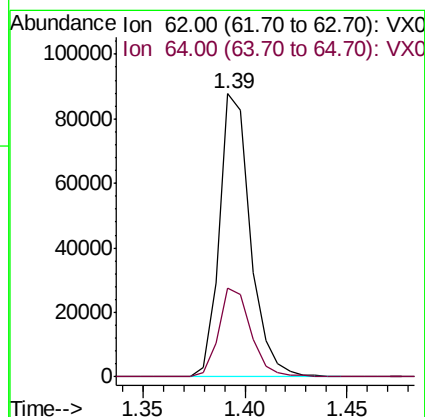
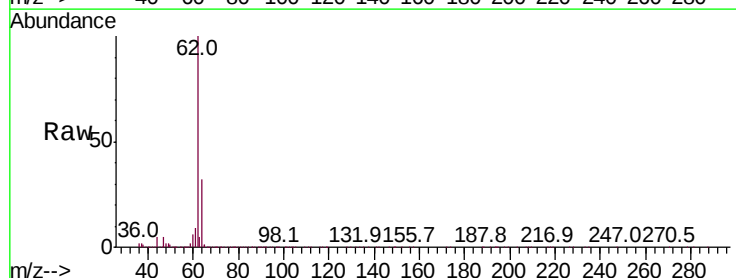
Acq: 04 Sep 2020 10:40

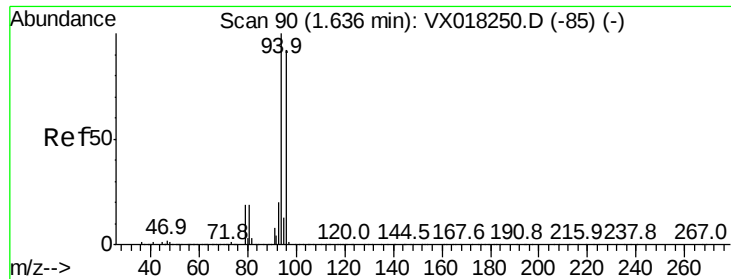
Tgt Ion: 62 Resp: 92354

Ion Ratio Lower Upper

62 100

64 31.5 25.2 37.8





#5

Bromomethane

Concen: 21.954 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 69203

Ion Ratio Lower Upper

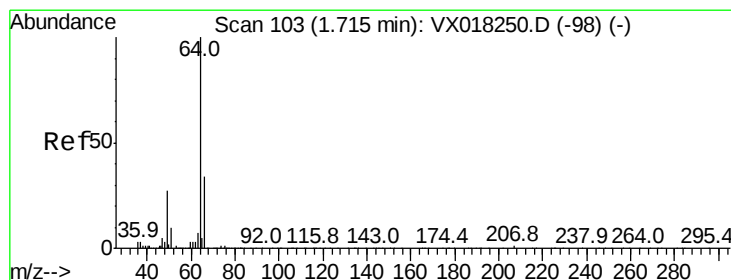
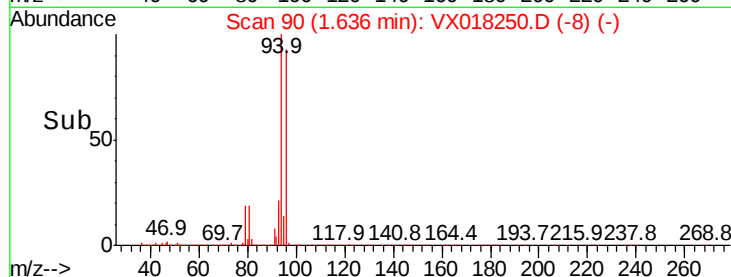
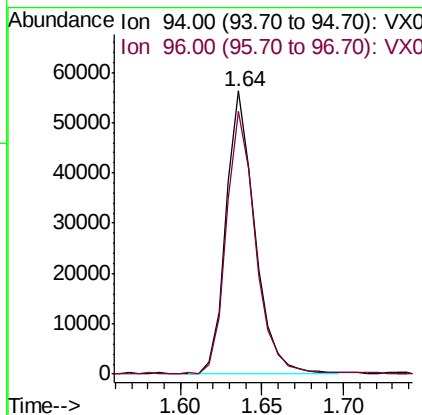
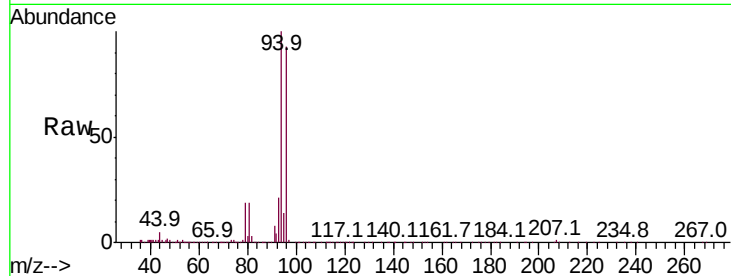
94 100

96 92.4 73.9 110.9

Manual Integrations
APPROVED

MMDadoda

9/8/2020 5:16:47 PM



#6

Chloroethane

Concen: 20.084 ug/l

RT: 1.71 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX018250.D

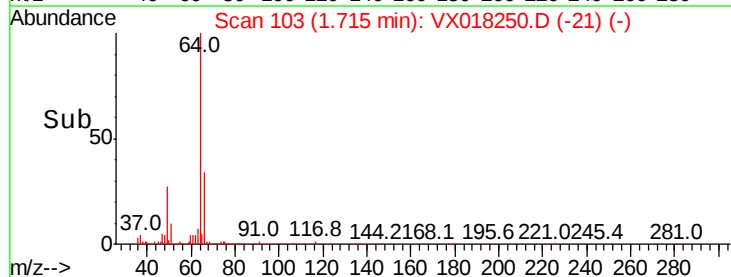
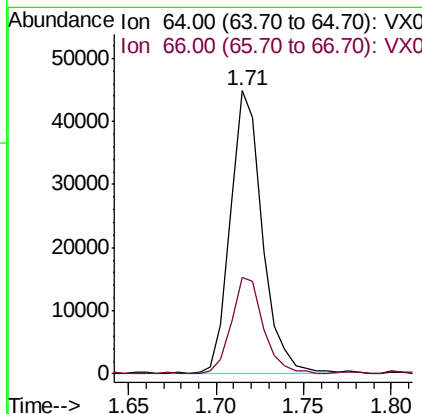
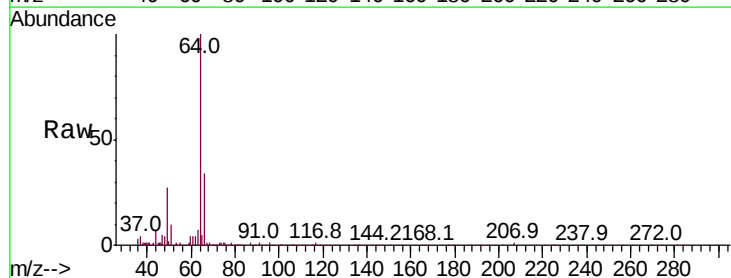
Acq: 04 Sep 2020 10:40

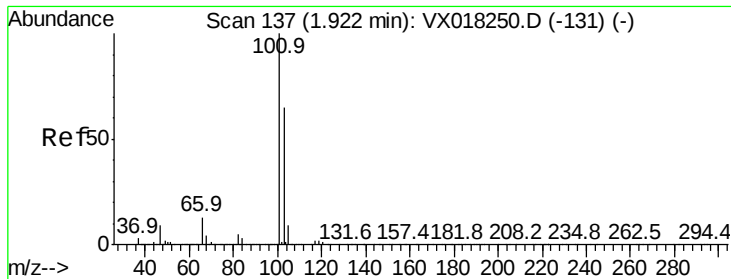
Tgt Ion: 64 Resp: 57274

Ion Ratio Lower Upper

64 100

66 33.7 27.0 40.4





#7

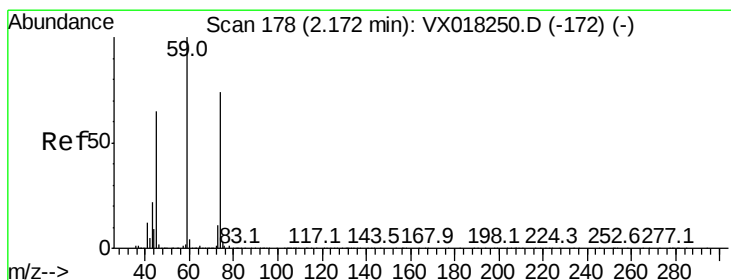
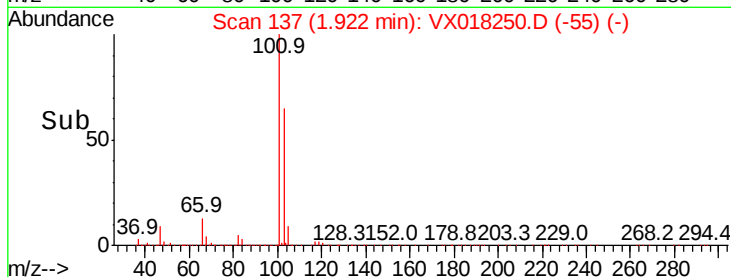
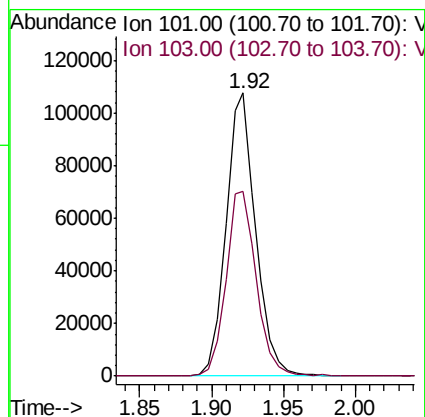
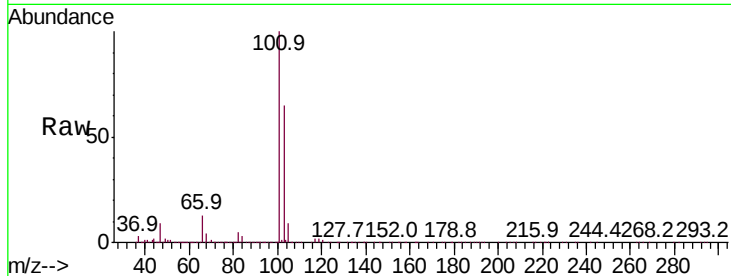
Trichlorofluoromethane
Concen: 19.819 ug/l
RT: 1.92 min Scan# 137
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	155453		
103	65.4	52.3	78.5	

Manual Integrations
APPROVED

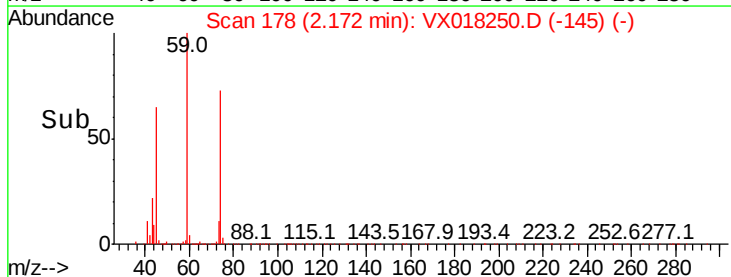
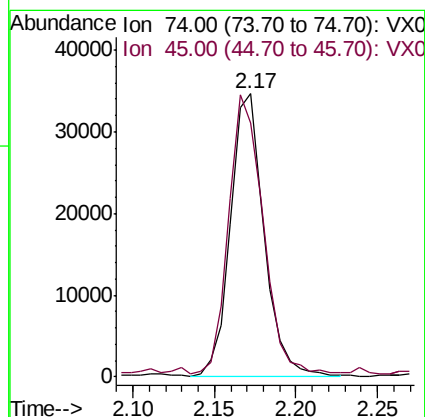
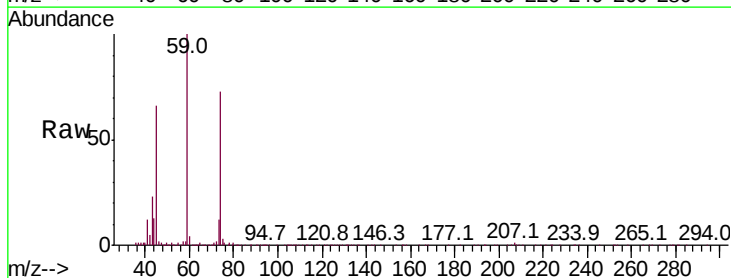
MMDadoda
9/8/2020 5:16:47 PM

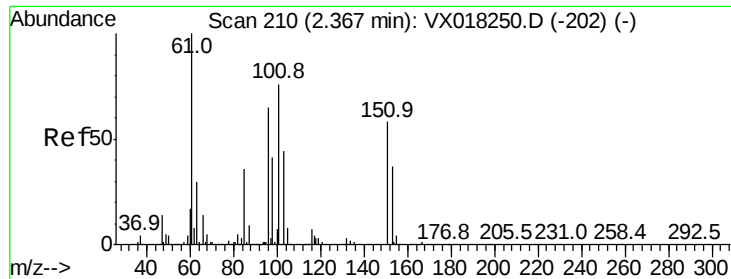


#8

Diethyl Ether
Concen: 20.810 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	49588		
45	102.0	20.5	184.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.481 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018250.D

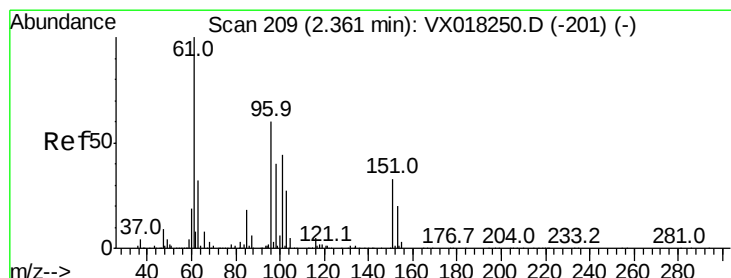
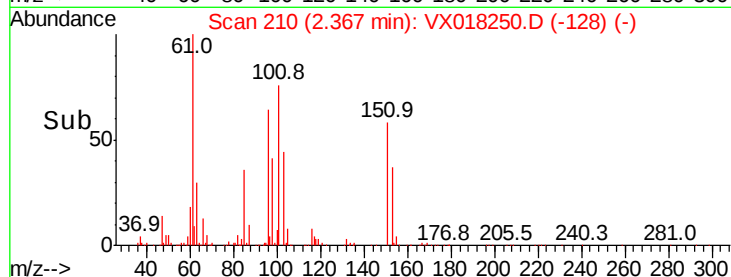
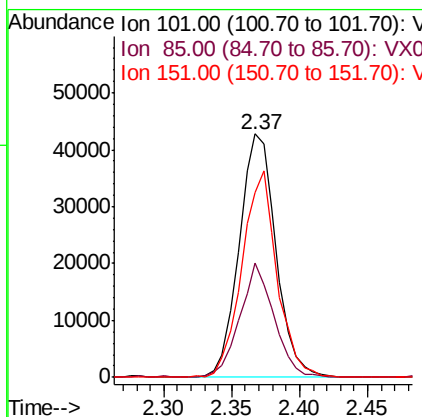
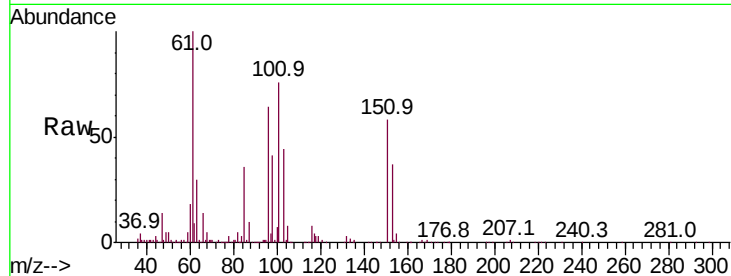
Acq: 04 Sep 2020 10:40

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	43.9	0.0	87.8
151	80.7	0.0	161.4

Manual Integrations
APPROVED

MMDadoda
9/8/2020 5:16:47 PM



#10

1,1-Dichloroethene

Concen: 21.963 ug/l

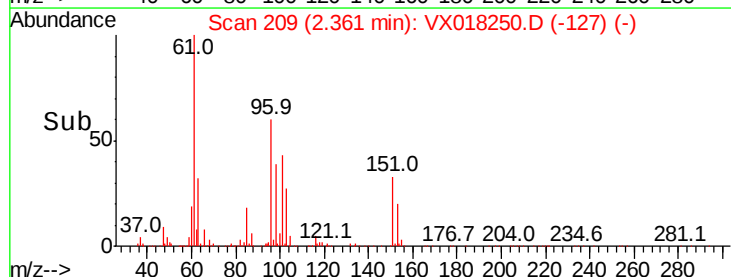
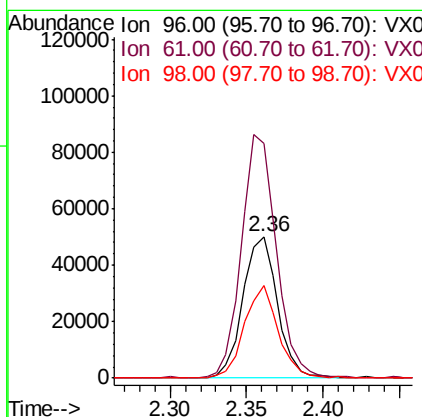
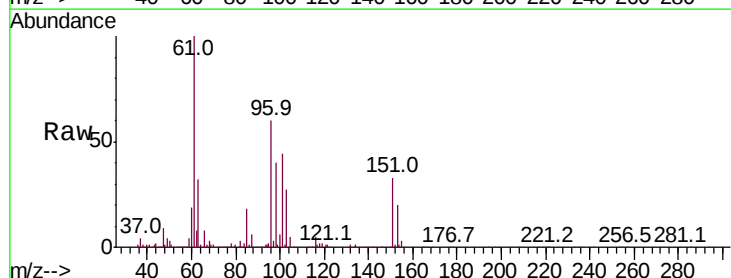
RT: 2.36 min Scan# 209

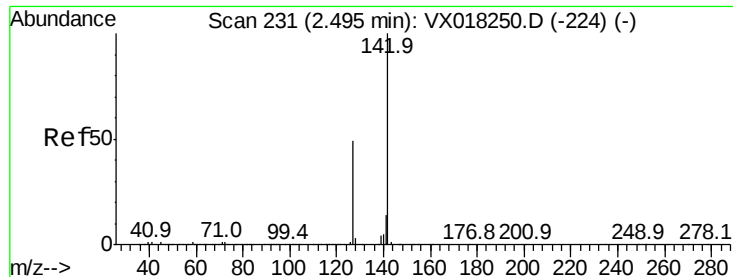
Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	165.6	132.5	198.7
98	65.5	52.4	78.6





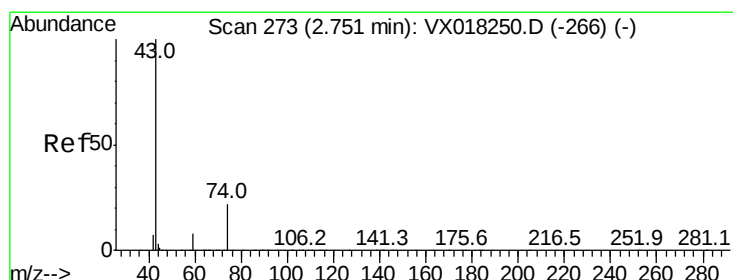
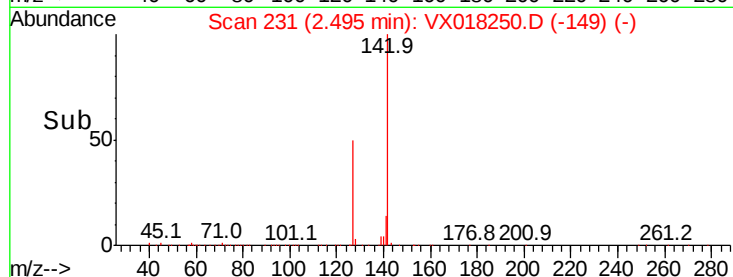
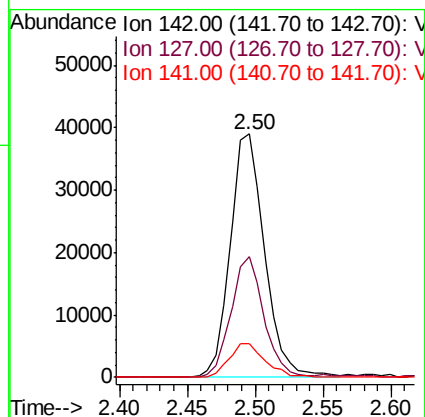
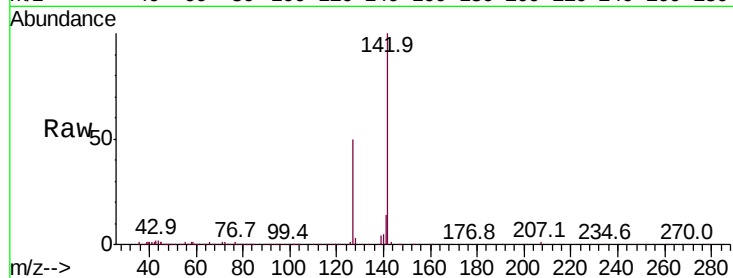
#11
Methyl Iodide
Concen: 17.062 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	49.3	24.6	74.0
141	14.0	7.0	21.0

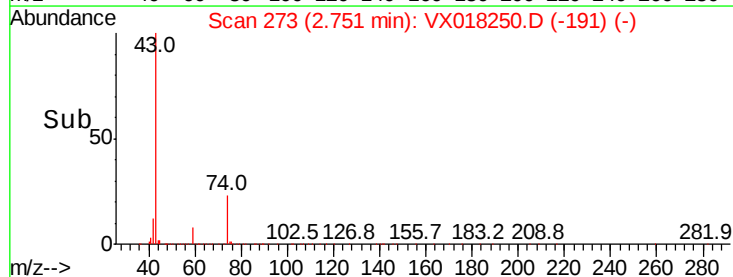
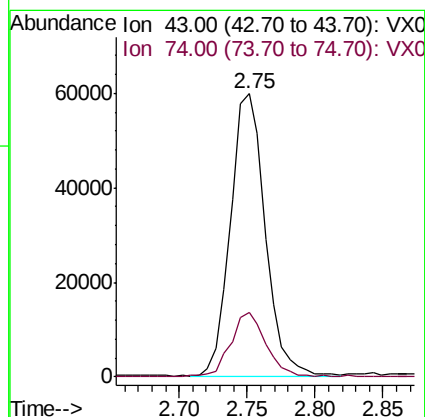
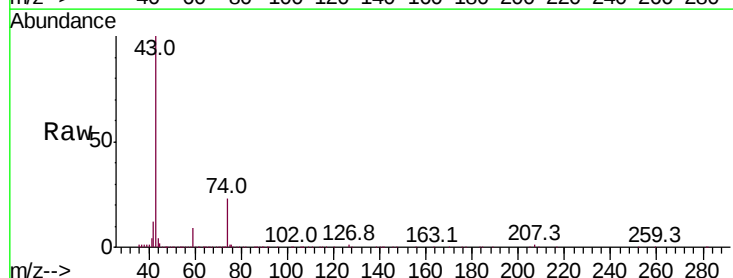
Manual Integrations
APPROVED

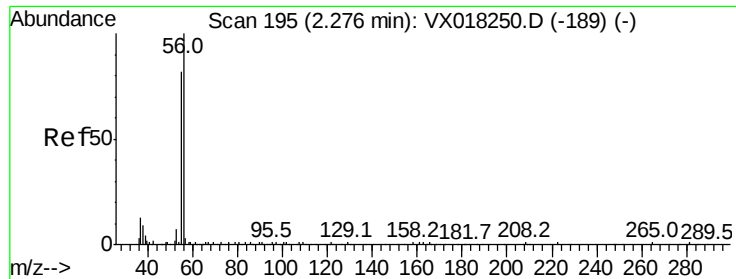
MMDadoda
9/8/2020 5:16:47 PM



#12
Methyl Acetate
Concen: 20.504 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	18.0	27.0





#13

Acrolein

Concen: 55.398 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 37186

Ion Ratio Lower Upper

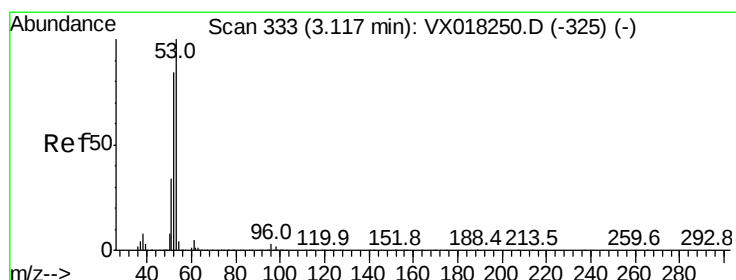
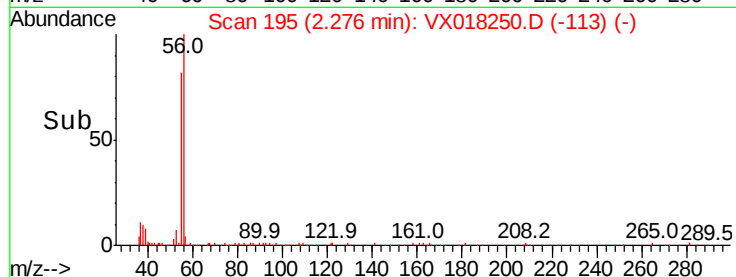
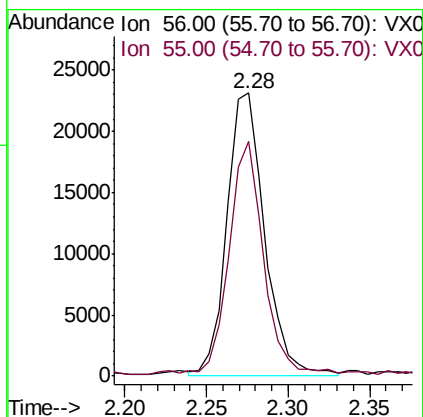
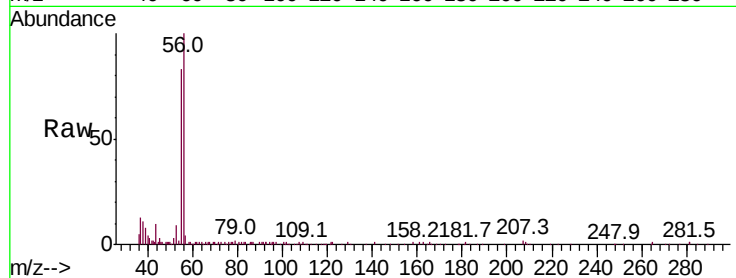
56 100

55 74.6 59.7 89.5

Manual Integrations
APPROVED

MMDadoda

9/8/2020 5:16:47 PM



#14

Acrylonitrile

Concen: 106.715 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

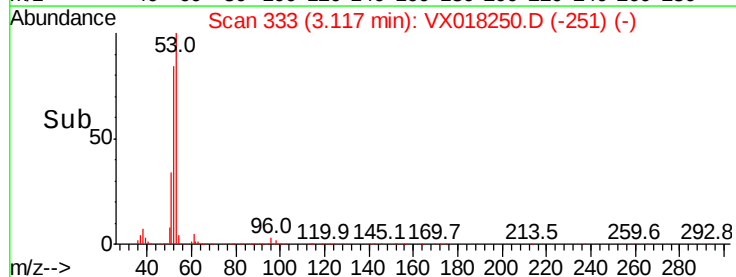
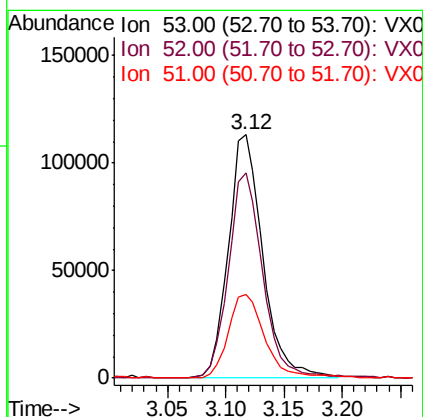
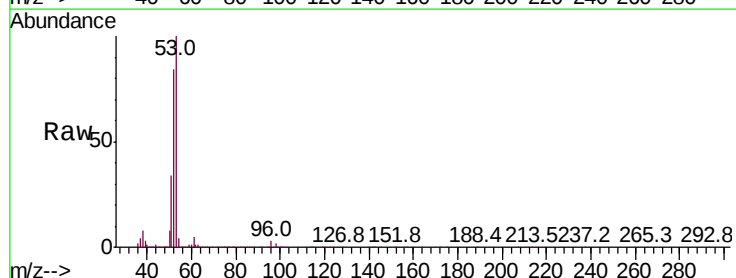
Tgt Ion: 53 Resp: 233149

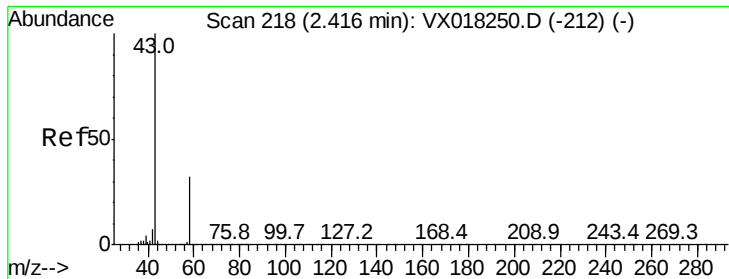
Ion Ratio Lower Upper

53 100

52 83.8 41.9 125.7

51 36.5 18.3 54.8





#15

Acetone

Concen: 107.749 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 64886

Ion Ratio Lower Upper

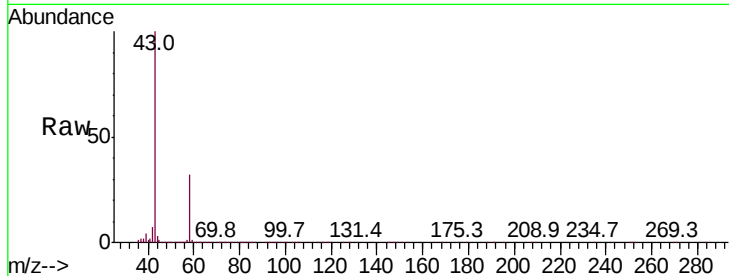
58 100

43 310.2 248.2 372.2

Manual Integrations
APPROVED

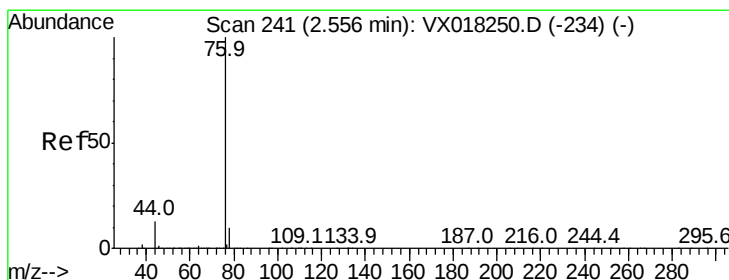
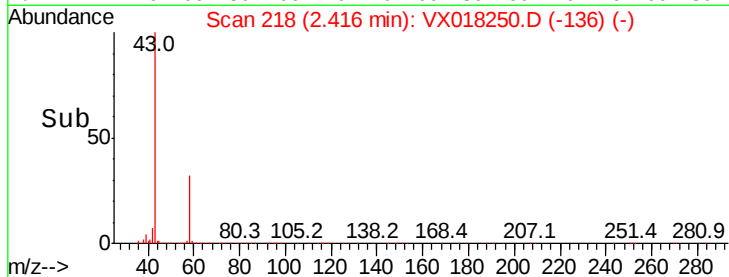
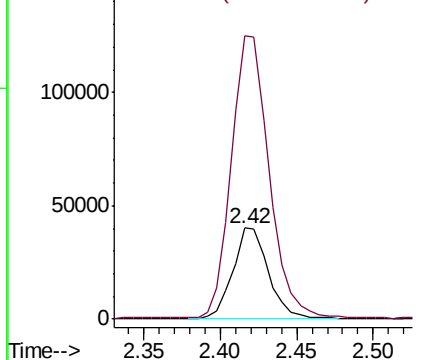
MMDadoda

9/8/2020 5:16:47 PM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 24.184 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.00 min

Lab File: VX018250.D

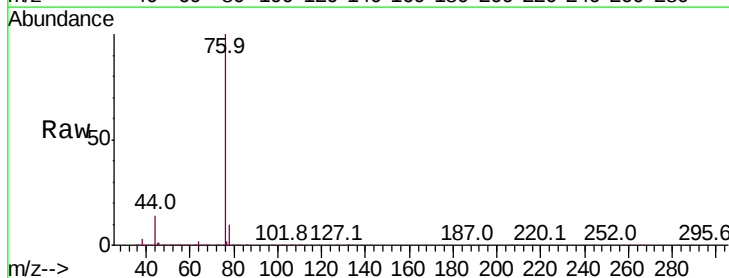
Acq: 04 Sep 2020 10:40

Tgt Ion: 76 Resp: 232288

Ion Ratio Lower Upper

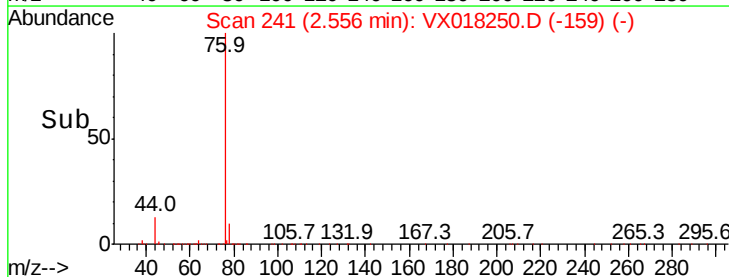
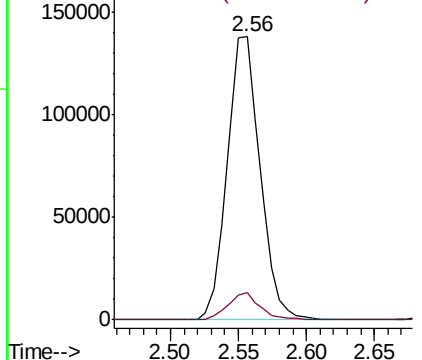
76 100

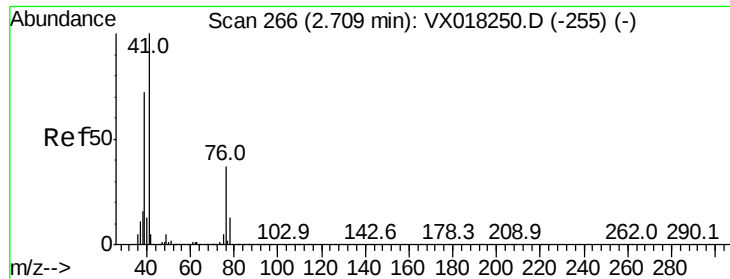
78 9.7 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





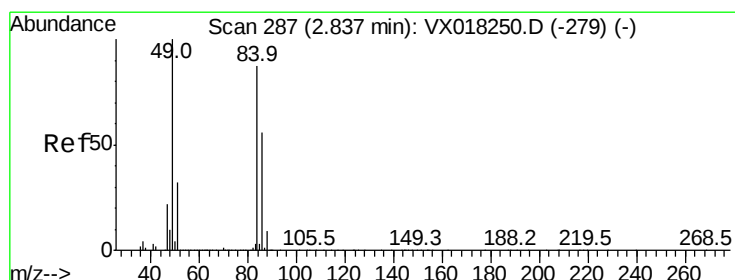
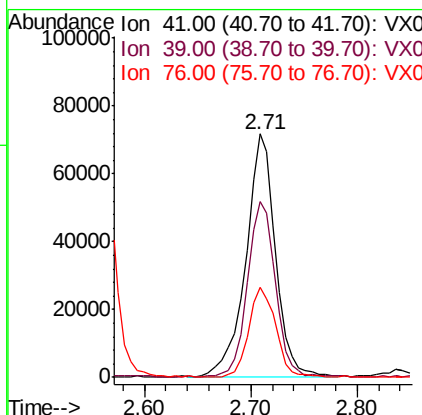
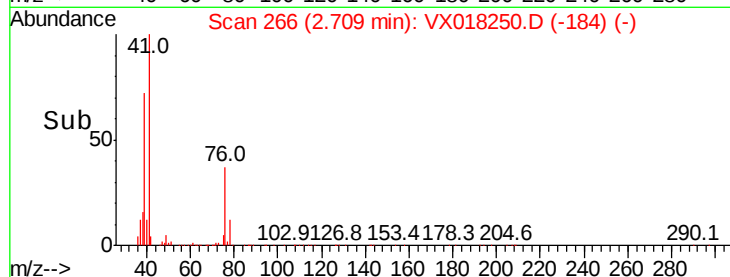
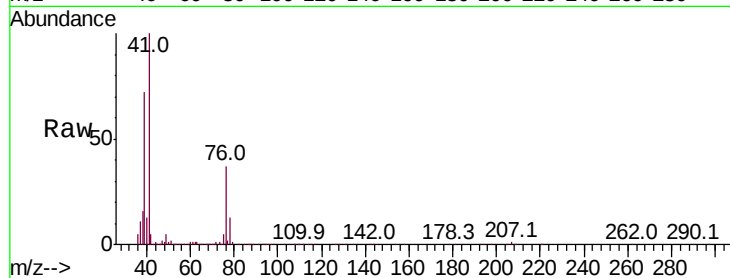
#17
Allvl chloride
Concen: 20.994 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	72.1	36.0	108.1	
76	37.1	18.6	55.6	

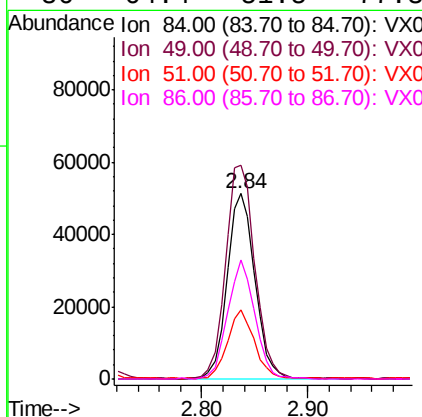
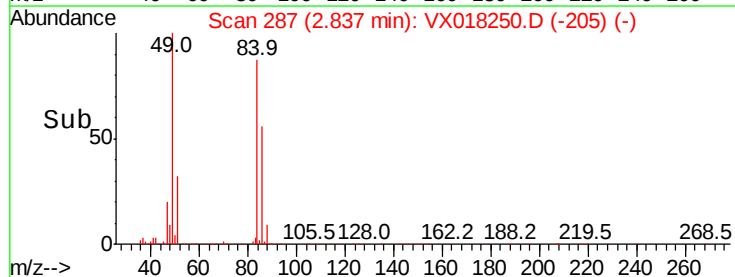
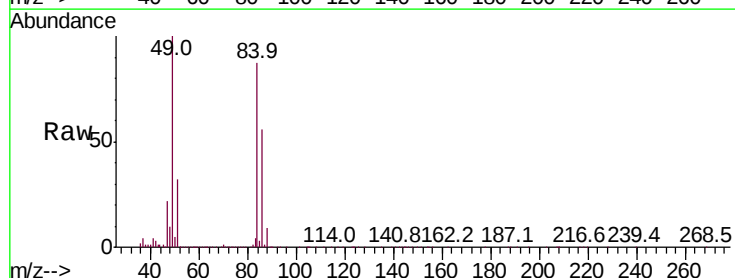
Manual Integrations
APPROVED

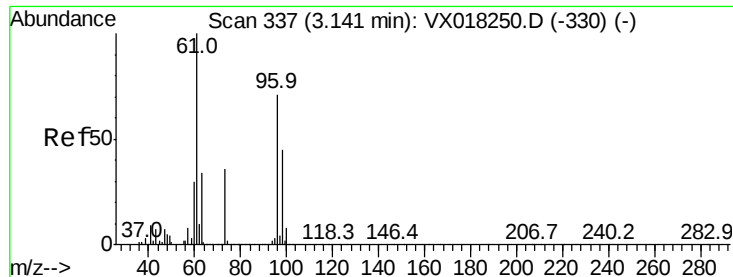
MMDadoda
9/8/2020 5:16:47 PM



#18
Methylene Chloride
Concen: 22.637 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
84	100			
49	114.5	91.6	137.4	
51	36.7	29.4	44.0	
86	64.4	51.5	77.3	





#19

trans-1,2-Dichloroethene

Concen: 22.722 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

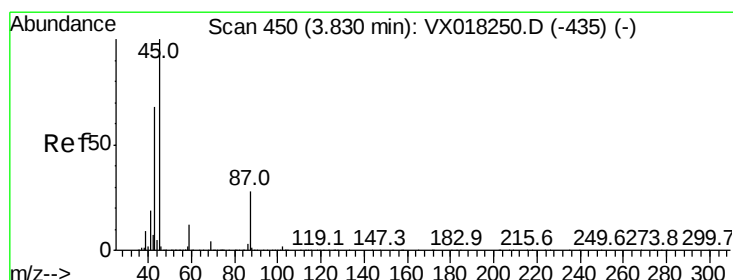
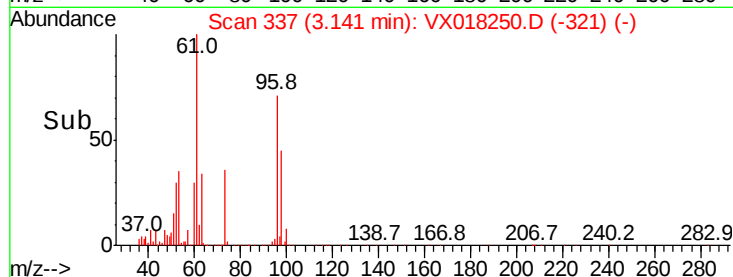
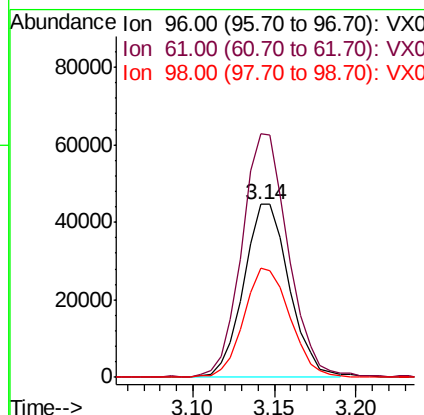
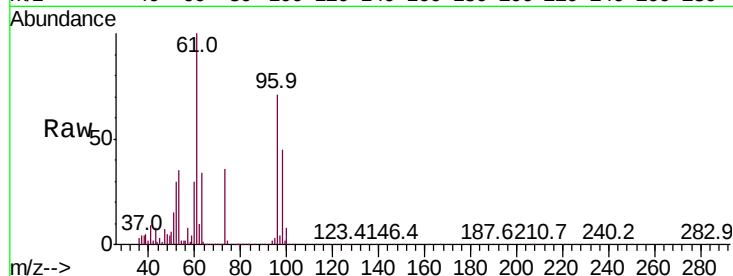
ClientSampleId :

VSTDICCC020

Tot Ion:	96	Resp:	86165
Ion	Ratio	Lower	Upper
96	100		
61	141.0	112.8	169.2
98	63.7	51.0	76.4

Manual Integrations
APPROVED

MMDadoda
9/8/2020 5:16:47 PM



#20

Diisopropyl ether

Concen: 21.439 ug/l

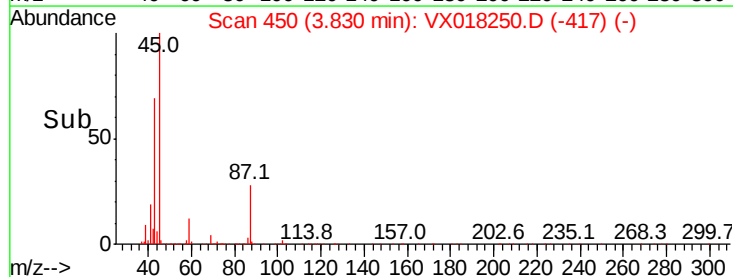
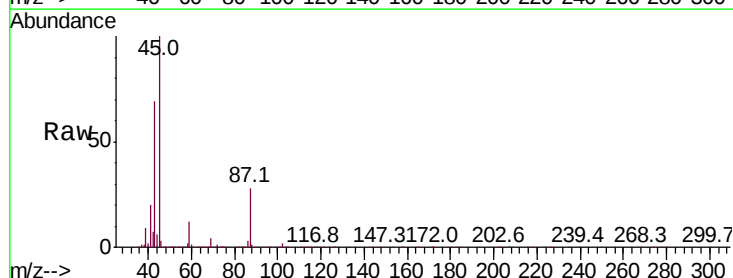
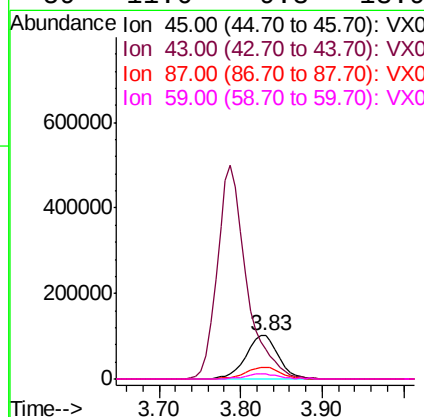
RT: 3.83 min Scan# 450

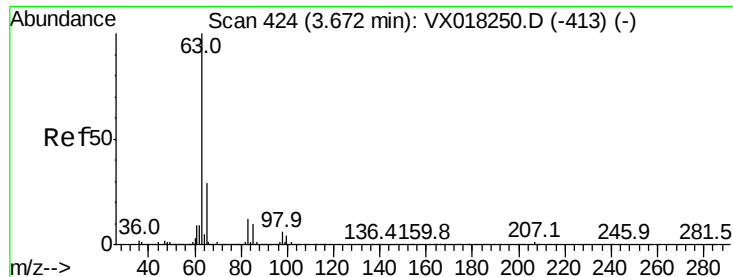
Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Tgt Ion:	45	Resp:	283471
Ion	Ratio	Lower	Upper
45	100		
43	68.1	54.5	81.7
87	27.7	22.2	33.2
59	11.6	9.3	13.9





#21

1,1-Dichloroethane

Concen: 22.461 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

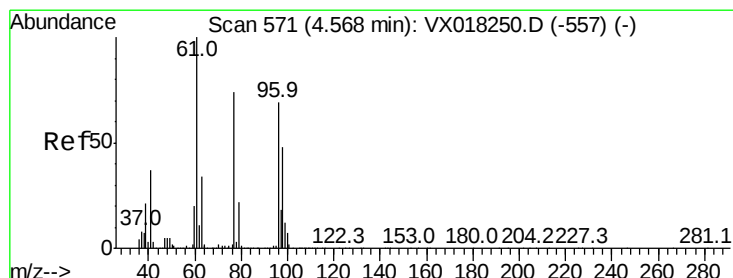
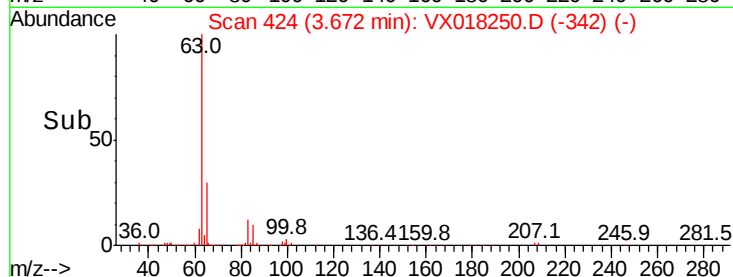
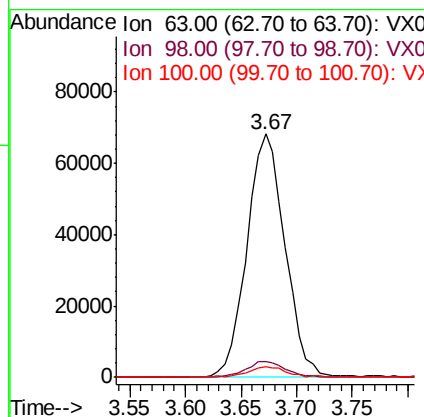
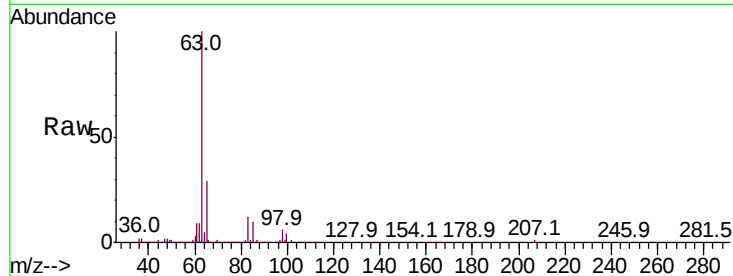
ClientSampleId :

VSTDICCC020

Tot Ion:	63	Resp:	162336
Ion Ratio		Lower	Upper
63	100		
98	6.4	3.2	9.6
100	4.2	2.1	6.3

Manual Integrations
APPROVED

MMDadoda
9/8/2020 5:16:47 PM



#22

cis-1,2-Dichloroethene

Concen: 21.826 ug/l

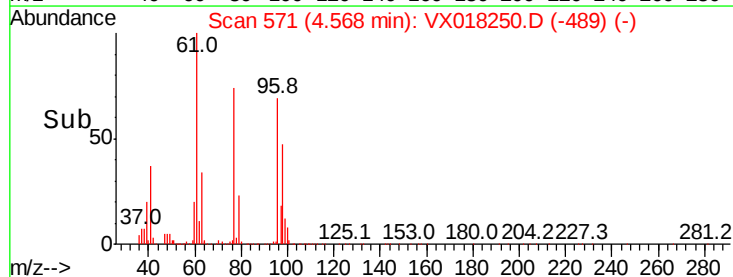
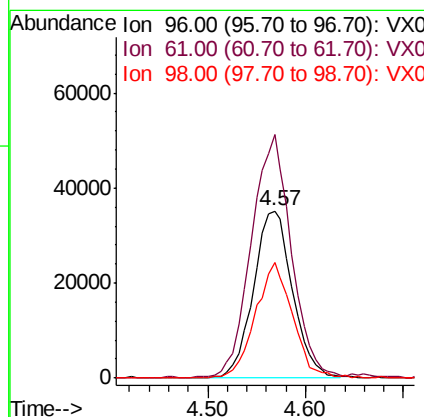
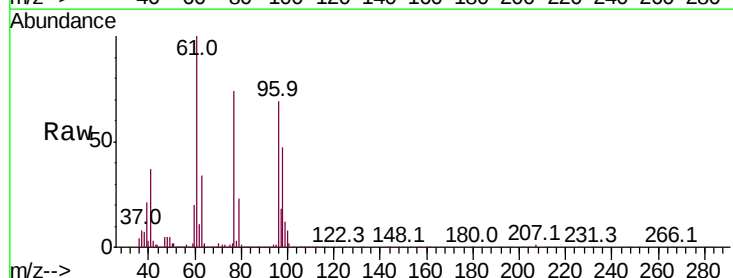
RT: 4.57 min Scan# 571

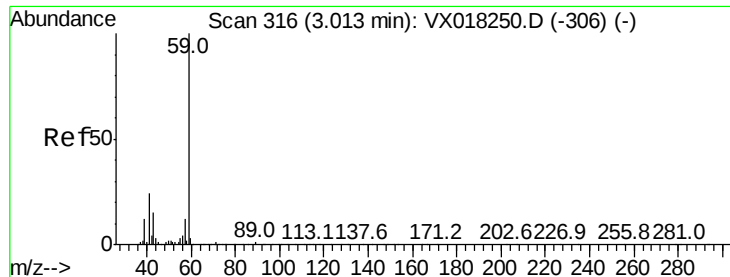
Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Tgt Ion:	96	Resp:	97978
Ion Ratio		Lower	Upper
96	100		
61	145.3	116.2	174.4
98	65.6	52.5	78.7





#23

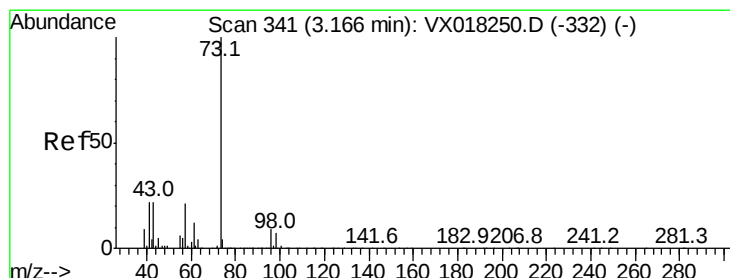
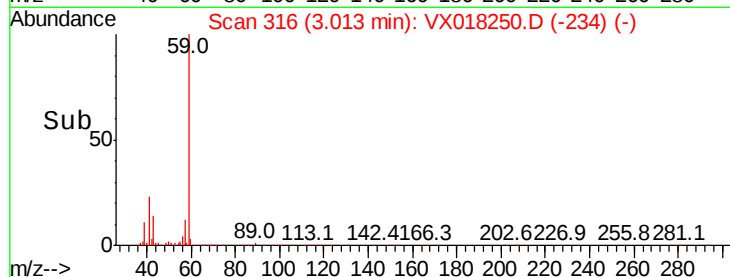
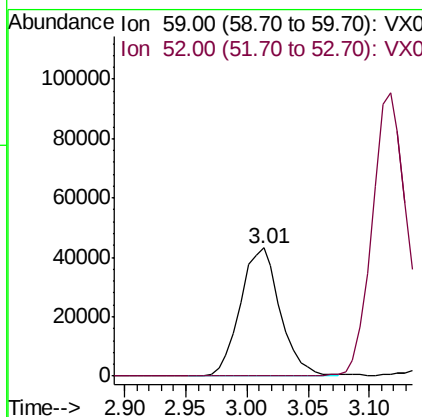
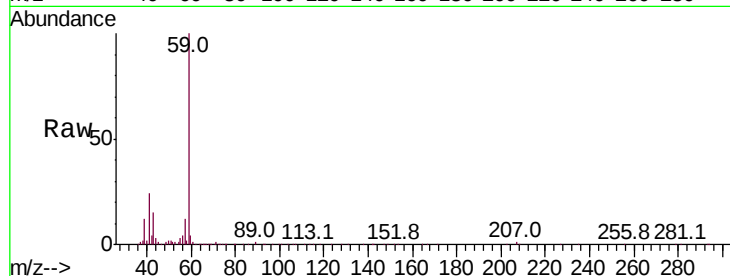
tert-Butyl Alcohol
 Concen: 98.222 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VX018250.D
 Acq: 04 Sep 2020 10:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.5	0.4	0.6

Manual Integrations
 APPROVED

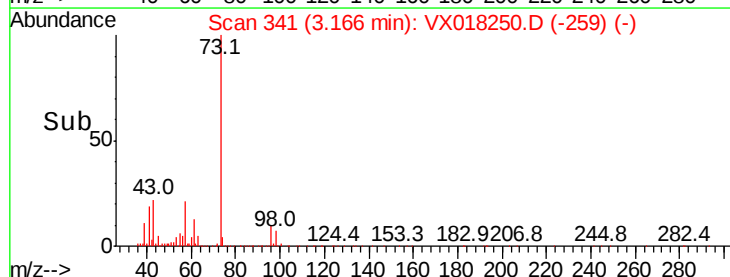
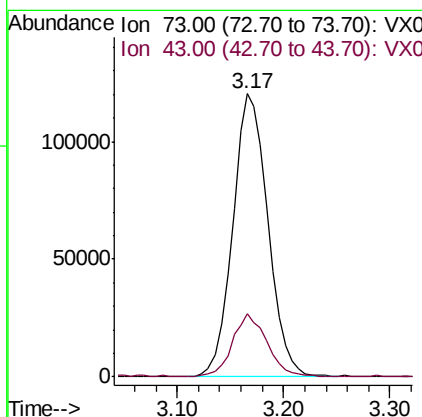
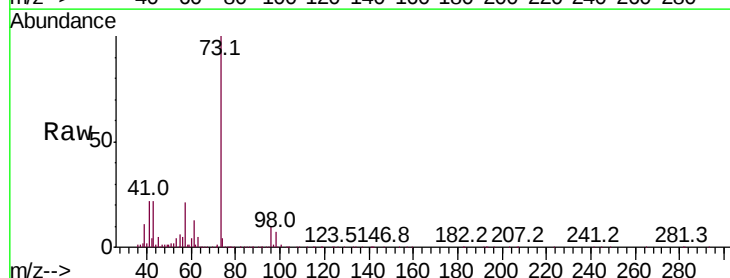
MMDadoda
 9/8/2020 5:16:47 PM

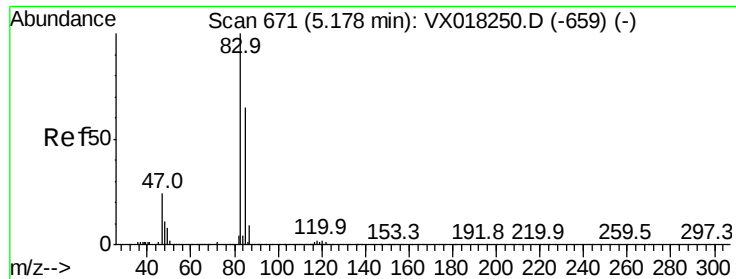


#24

Methyl tert-Butyl Ether
 Concen: 20.564 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX018250.D
 Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.0	17.8	26.6





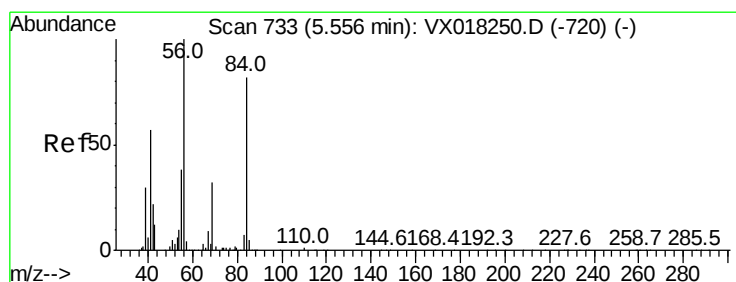
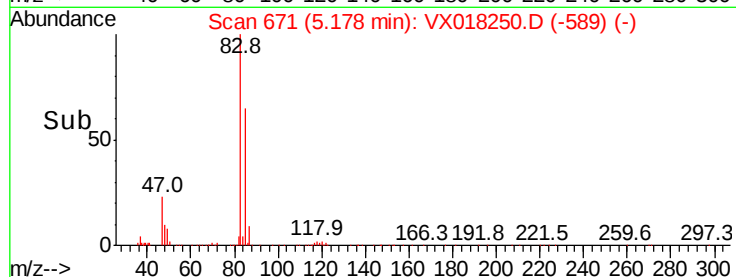
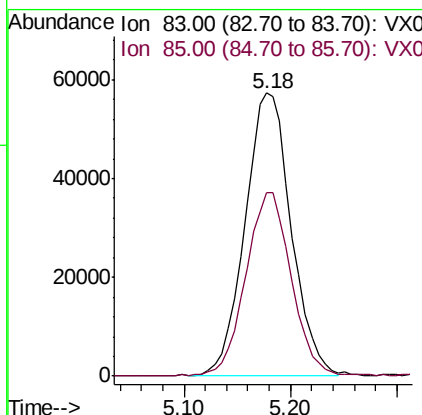
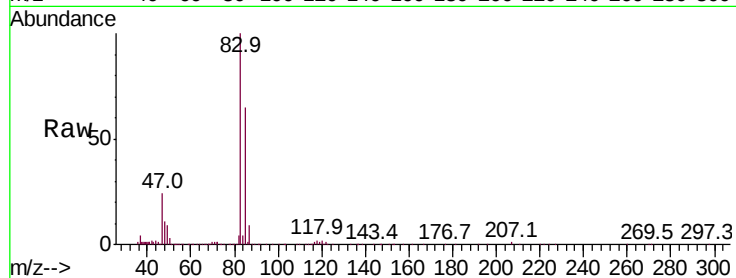
#25
Chloroform
Concen: 21.807 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4

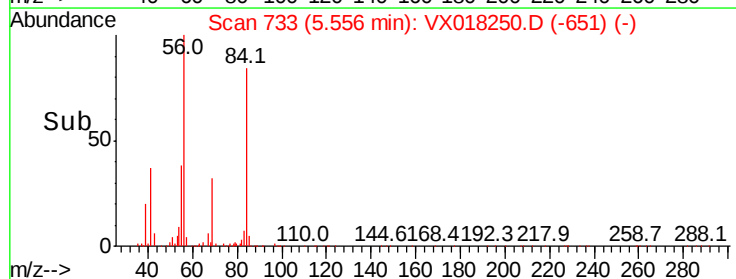
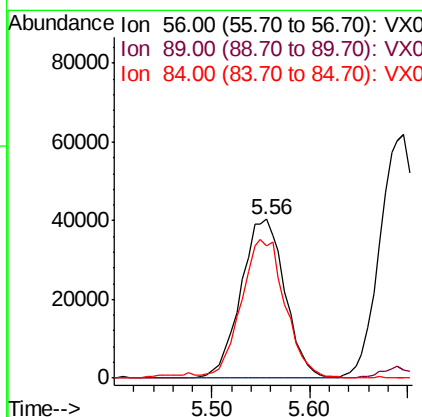
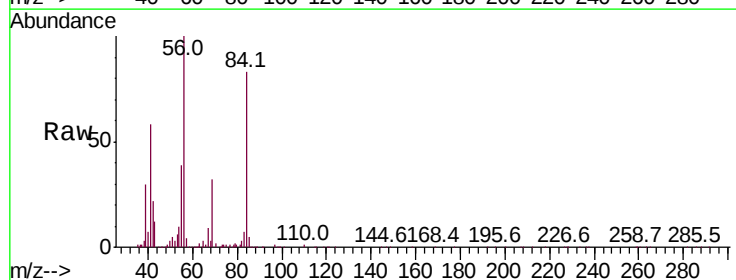
Manual Integrations
APPROVED

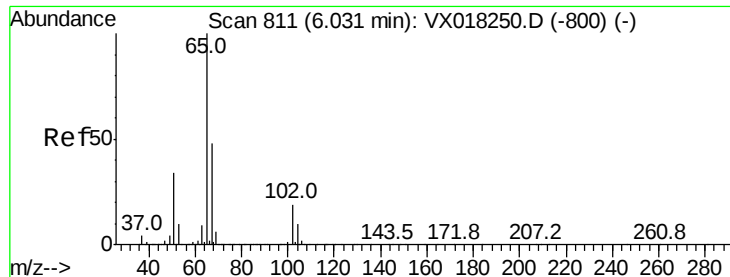
MMDadoda
9/8/2020 5:16:47 PM



#26
Cyclohexane
Concen: 20.442 ug/l
RT: 5.56 min Scan# 733
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Lower	Upper
56	100		
89	0.1	0.1	0.1#
84	51.2	41.0	61.4





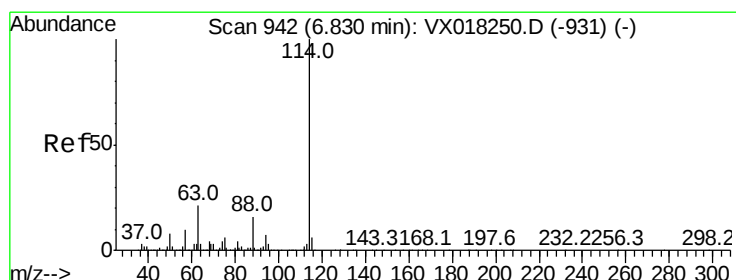
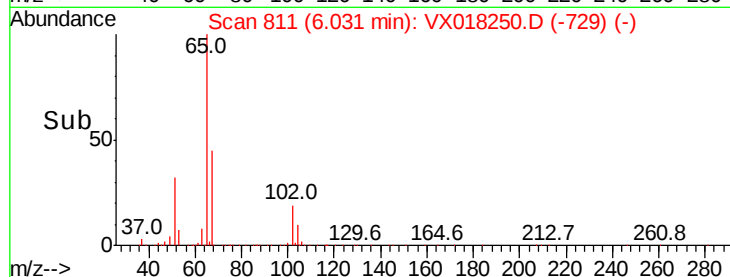
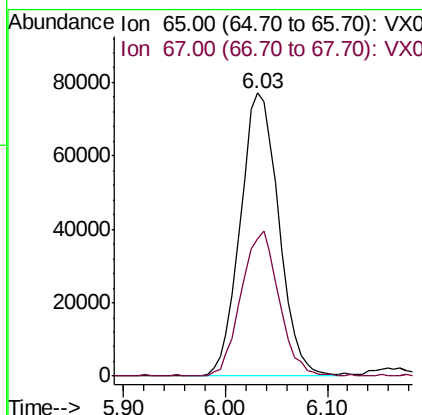
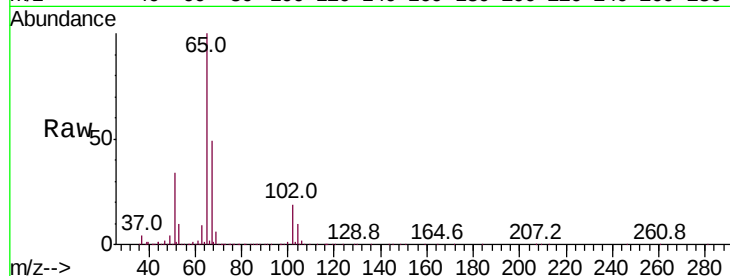
#27
 1,2-Dichloroethane-d4
 Concen: 30.449 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX018250.D
 Acq: 04 Sep 2020 10:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	202915		
67	49.9		39.9	59.9

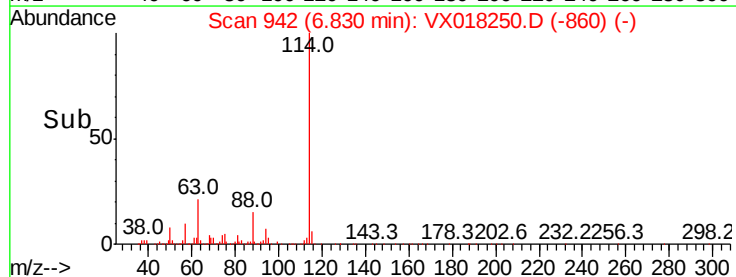
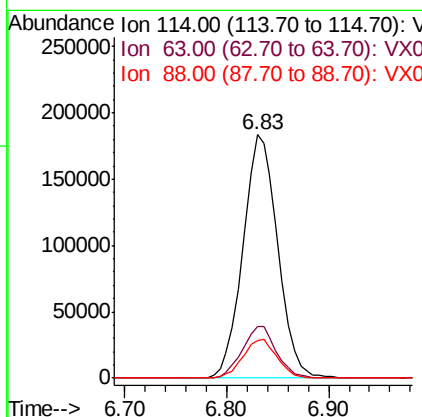
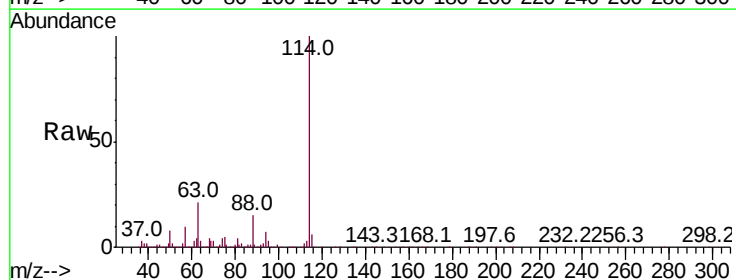
Manual Integrations
 APPROVED

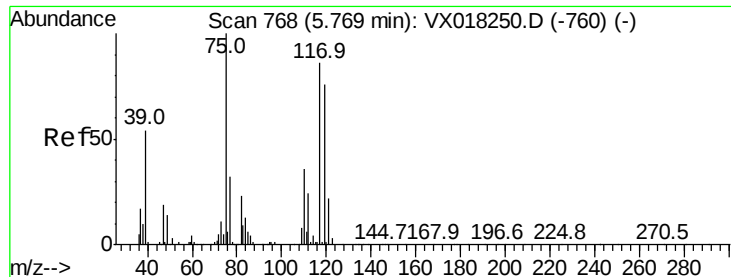
MMDadoda
 9/8/2020 5:16:47 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX018250.D
 Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	433122		
63	20.9		16.7	25.1
88	15.7		12.6	18.8





#29

1,1-Dichloropropene

Concen: 22.272 ug/l

RT: 5.77 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

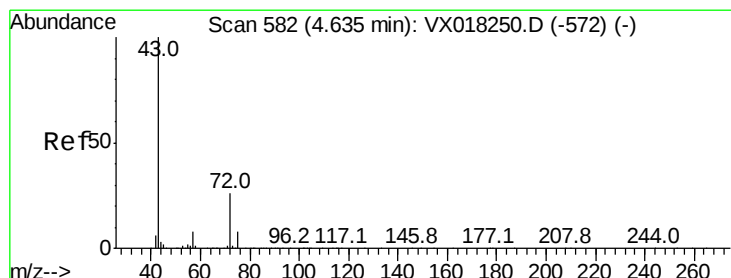
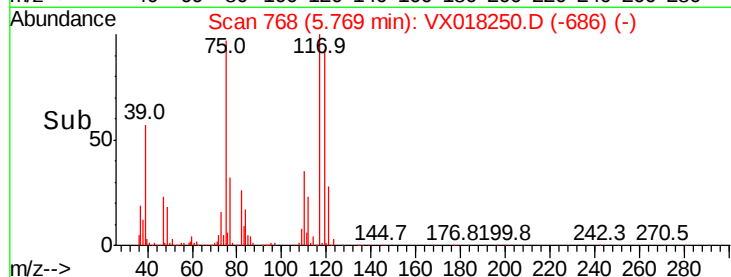
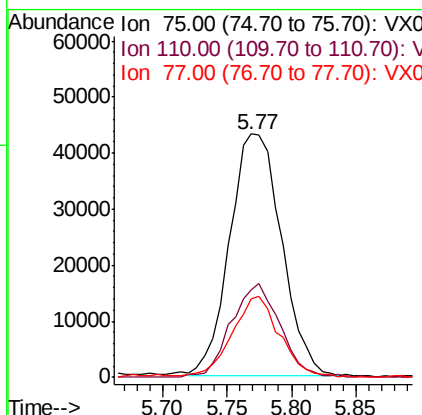
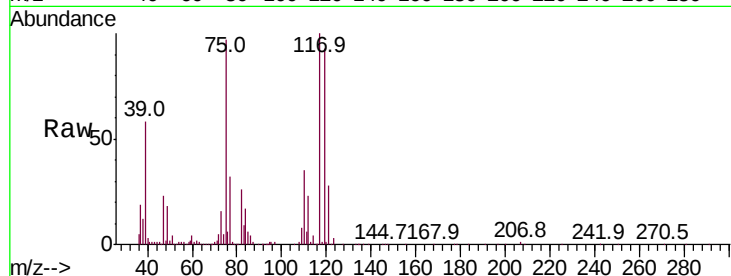
ClientSampled :

VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.1	0.0	72.2	
77	30.5	0.0	61.0	

Manual Integrations
APPROVED

MMDadoda
9/8/2020 5:16:47 PM



#30

2-Butanone

Concen: 111.540 ug/l

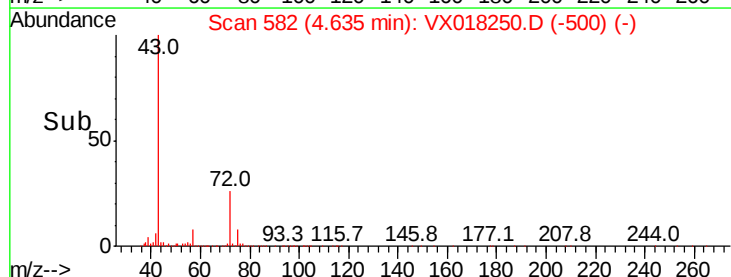
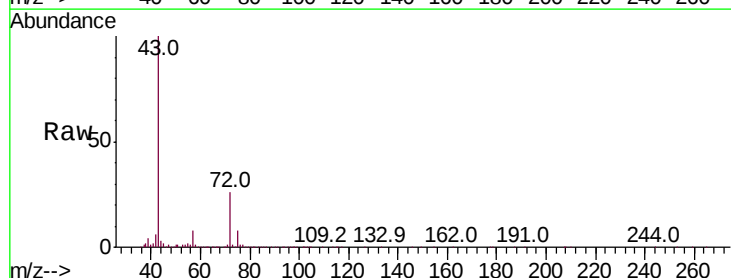
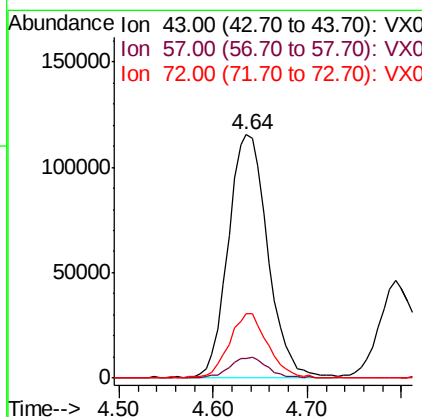
RT: 4.64 min Scan# 582

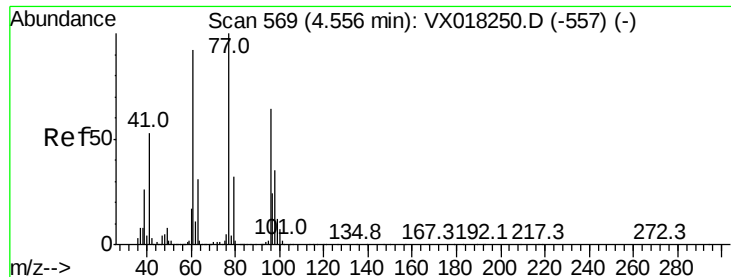
Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.4	6.7	10.1	
72	25.0	20.0	30.0	





#31

2,2-Dichloropropane

Concen: 21.712 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 77 Resp: 146229

Ion Ratio Lower Upper

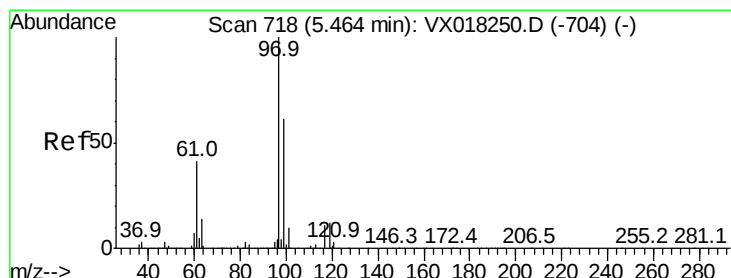
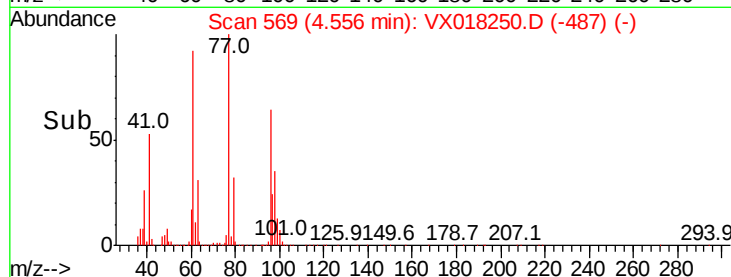
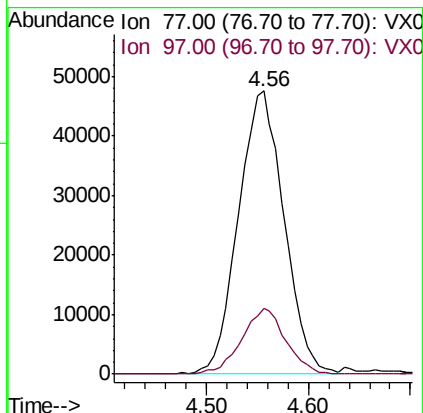
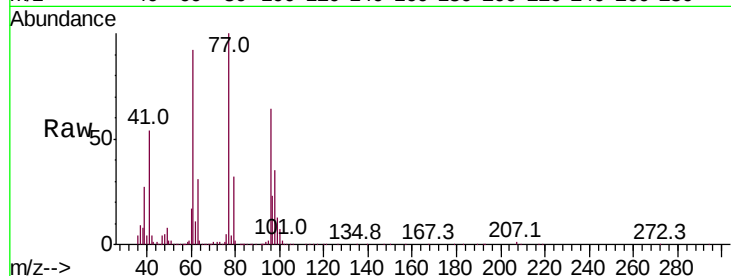
77 100

97 22.6 18.1 27.1

Manual Integrations
APPROVED

MMDadoda

9/8/2020 5:16:47 PM



#32

1,1,1-Trichloroethane

Concen: 22.240 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

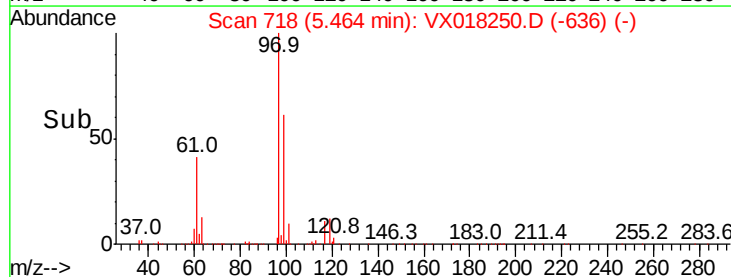
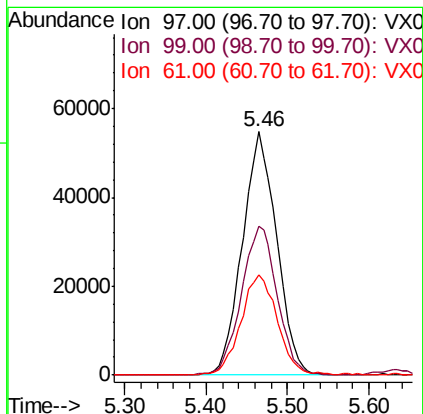
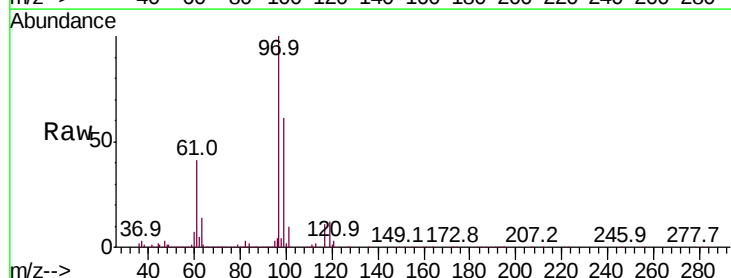
Tgt Ion: 97 Resp: 160685

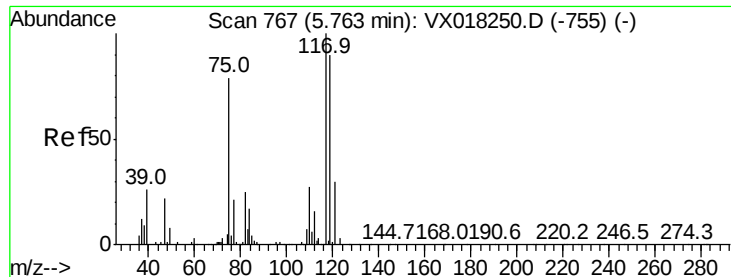
Ion Ratio Lower Upper

97 100

99 63.4 50.7 76.1

61 43.1 34.5 51.7





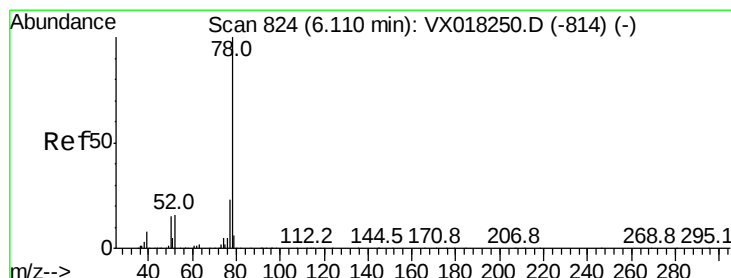
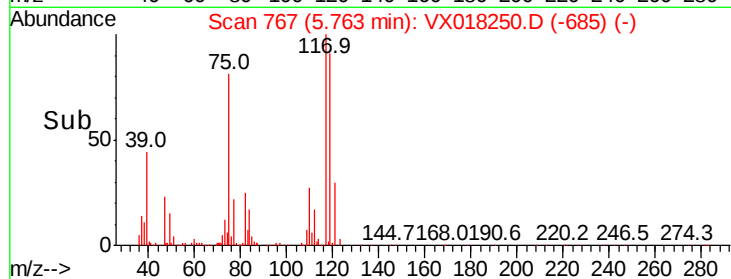
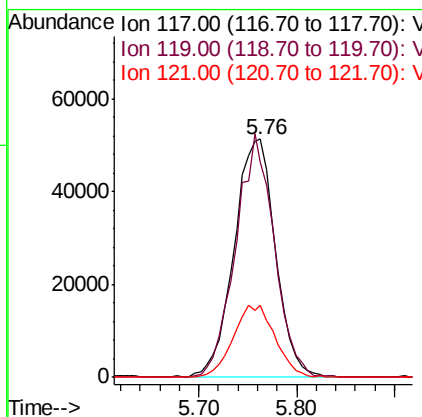
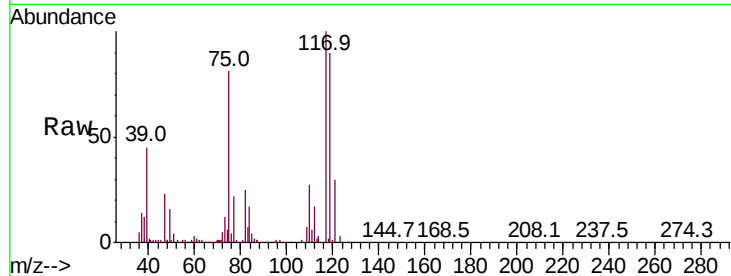
#33
Carbon Tetrachloride
Concen: 22.504 ug/l
RT: 5.76 min Scan# 767
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	150455		
119	90.4	72.3	108.5	
121	30.1	24.1	36.1	

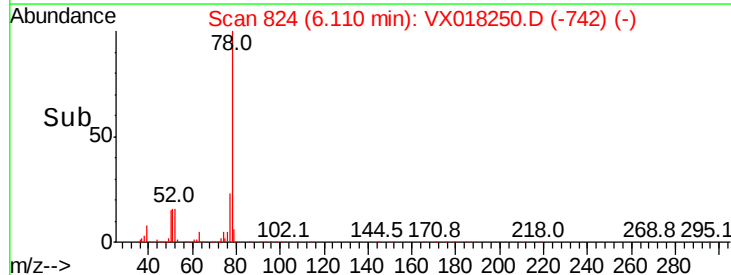
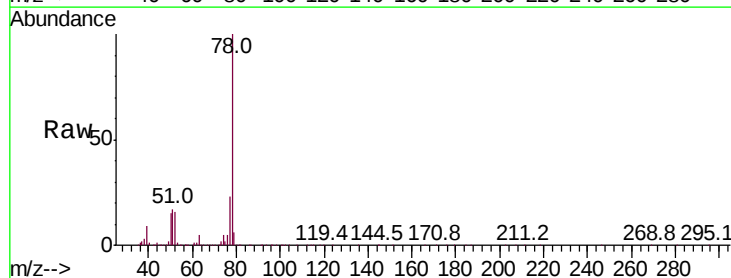
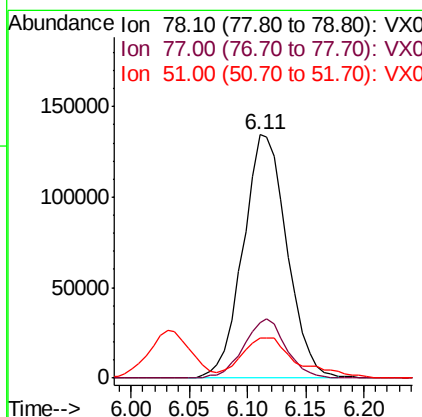
Manual Integrations
APPROVED

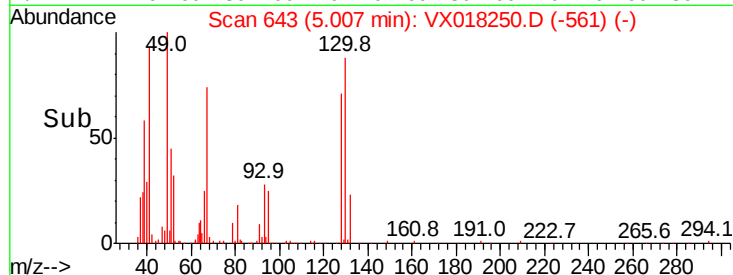
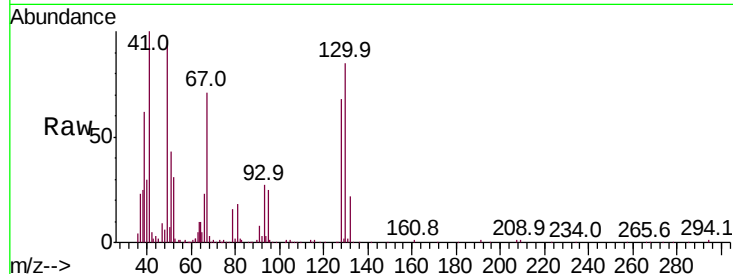
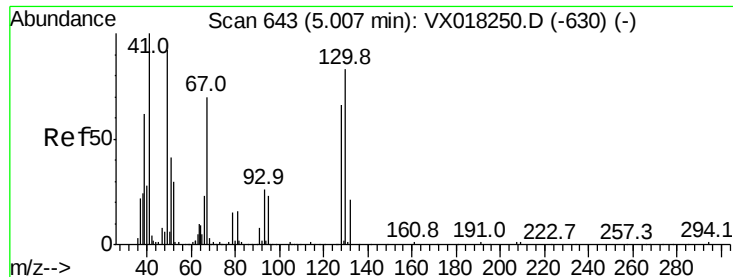
MMDadoda
9/8/2020 5:16:47 PM



#34
Benzene
Concen: 22.834 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	351378		
77	22.9	18.3	27.5	
51	14.1	11.3	16.9	





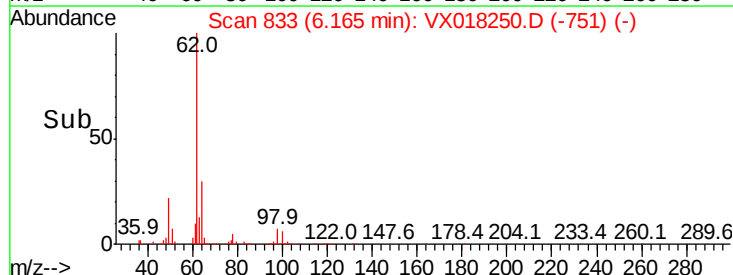
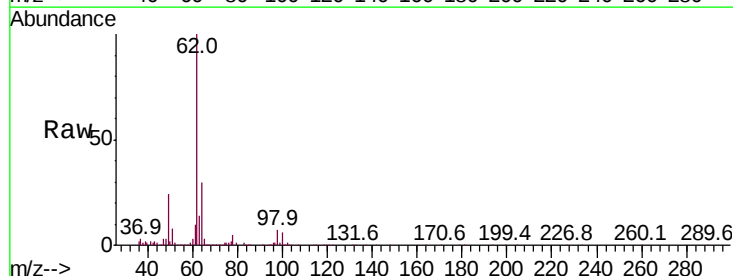
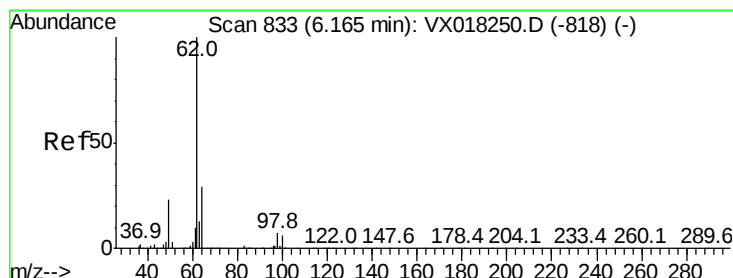
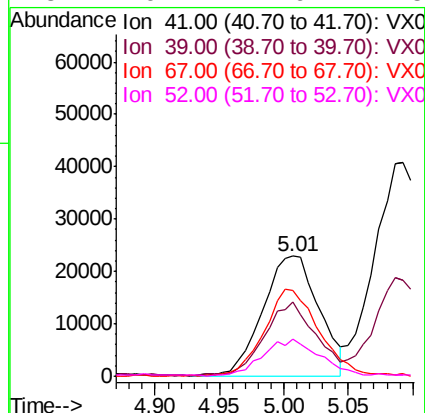
#35
Methacrylonitrile
Concen: 21.292 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		69184		
39	62.6	31.3	93.9		
67	70.8	35.4	106.2		
52	29.7	14.9	44.5		

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

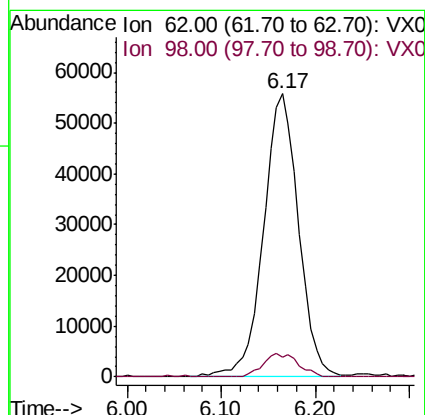
Manual Integrations
APPROVED

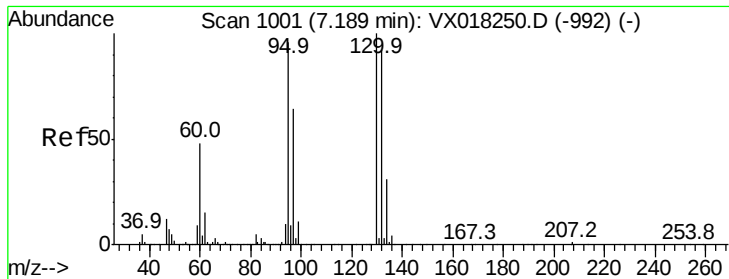
MMDadoda
9/8/2020 5:16:47 PM



#36
1,2-Dichloroethane
Concen: 22.275 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		143683		
98	4.8	0.0	0.0#		





#37

Trichloroethene

Concen: 21.917 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

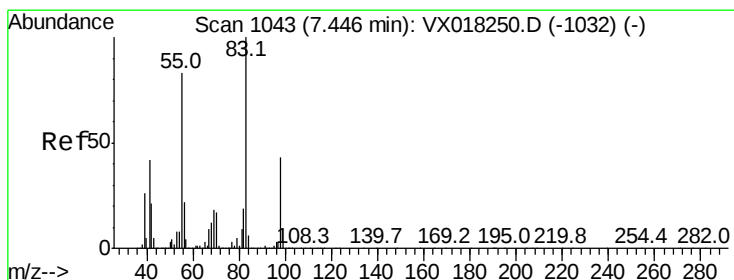
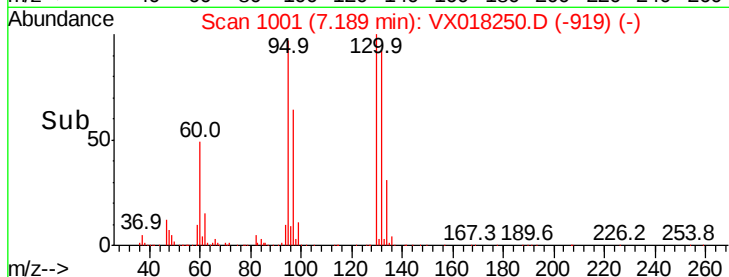
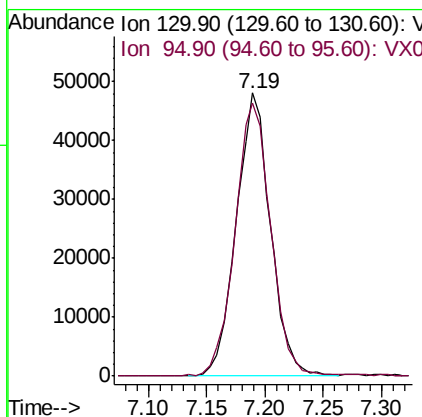
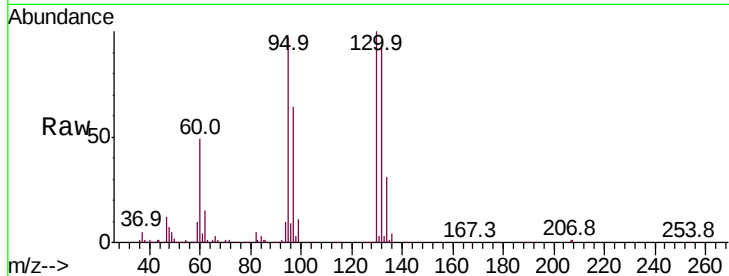
Instrument :
MSVOA_X
ClientSampled :
VSTDICCC020

Tot Ion:130 Resp: 98405

Ion	Ratio	Lower	Upper
130	100		
95	96.1	76.9	115.3

Manual Integrations
APPROVED

MMDadoda
9/8/2020 5:16:47 PM



#38

Methylcyclohexane

Concen: 19.310 ug/l

RT: 7.45 min Scan# 1043

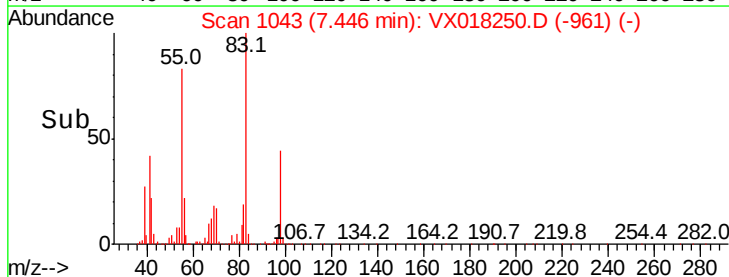
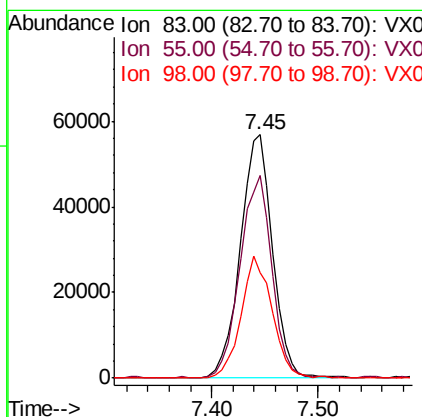
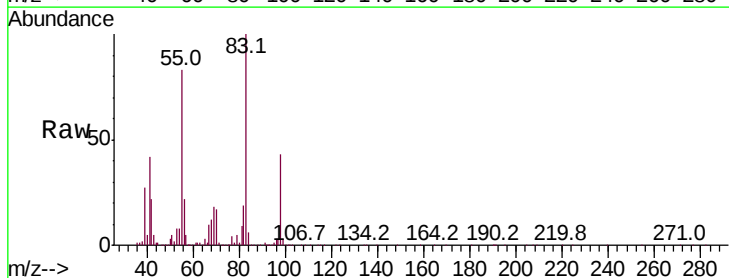
Delta R.T. 0.00 min

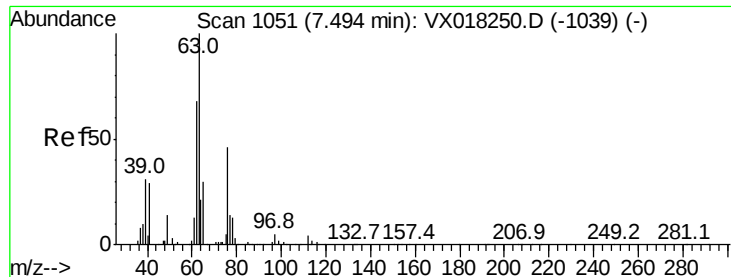
Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Tgt Ion: 83 Resp: 120956

Ion	Ratio	Lower	Upper
83	100		
55	82.3	41.1	123.4
98	48.0	24.0	72.0





#39

1,2-Dichloropropane

Concen: 22.658 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC020

Tot Ion: 63 Resp: 94315

Ion Ratio Lower Upper

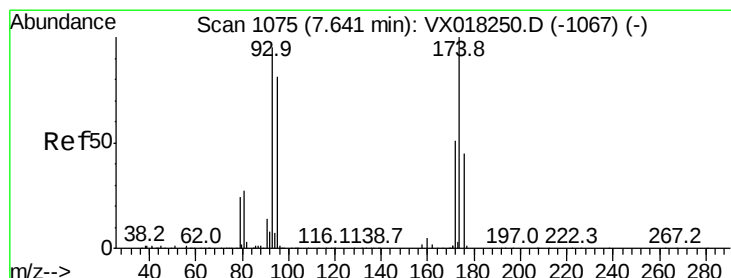
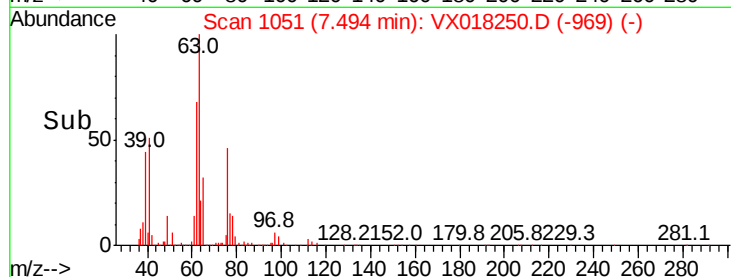
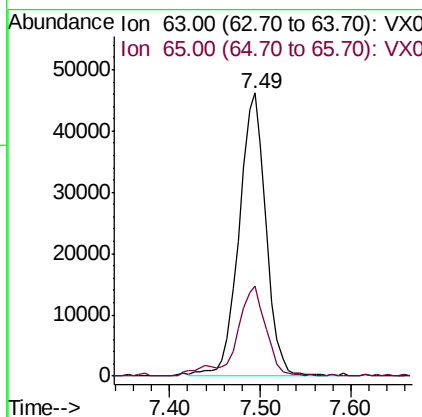
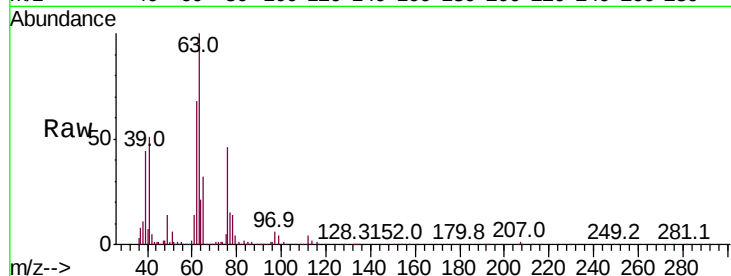
63 100

65 32.1 25.7 38.5

Manual Integrations
APPROVED

MMDadoda

9/8/2020 5:16:47 PM



#40

Dibromomethane

Concen: 22.857 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

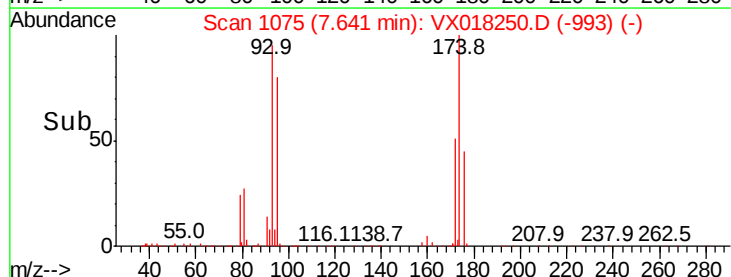
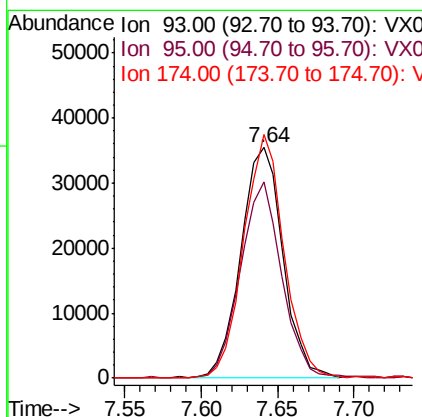
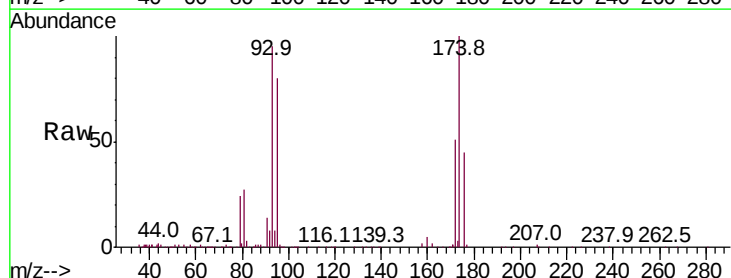
Tgt Ion: 93 Resp: 67936

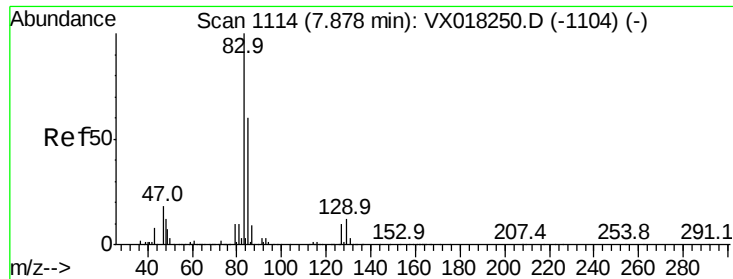
Ion Ratio Lower Upper

93 100

95 83.5 0.0 167.0

174 101.0 0.0 202.0





#41

Bromodichloromethane

Concen: 21.555 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

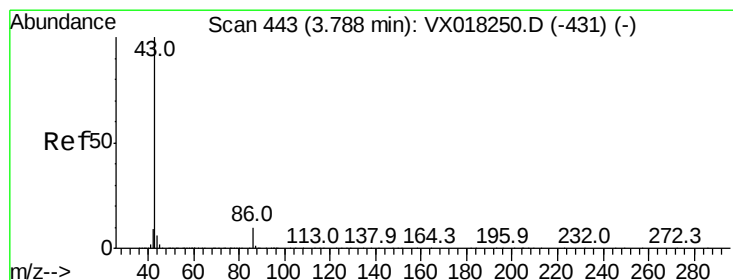
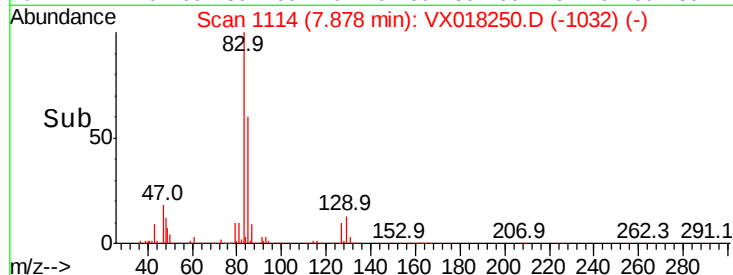
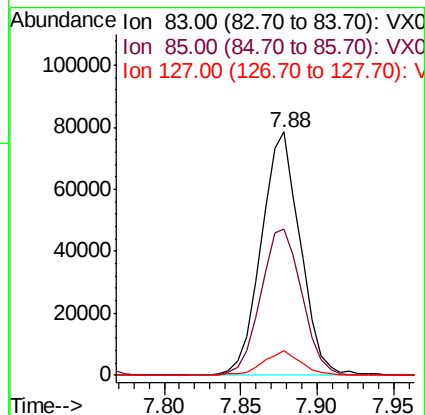
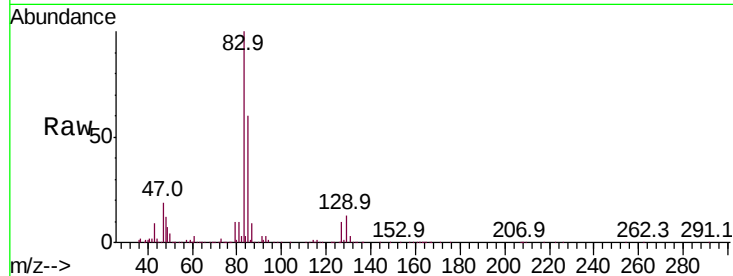
ClientSampleId :

VSTDICCC020

Tot Ion	83	Resp	138636
Ion	Ratio	Lower	Upper
83	100		
85	60.2	48.2	72.2
127	10.0	8.0	12.0

Manual Integrations
APPROVED

MMDadoda
9/8/2020 5:16:47 PM



#42

Vinyl Acetate

Concen: 120.062 ug/l

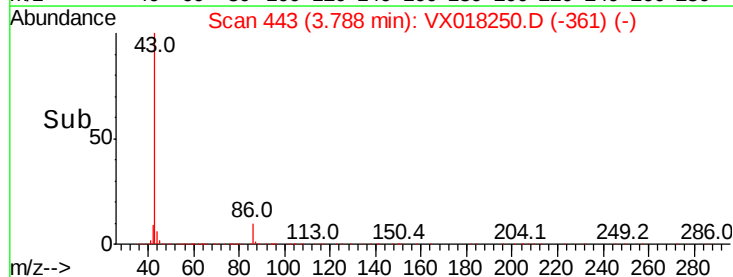
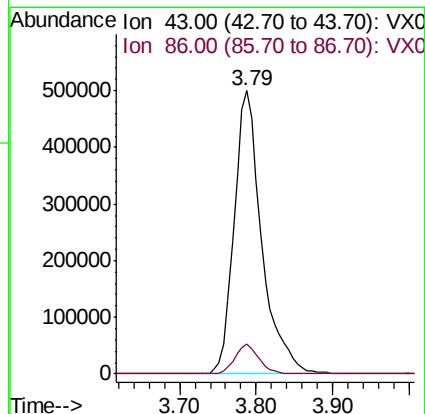
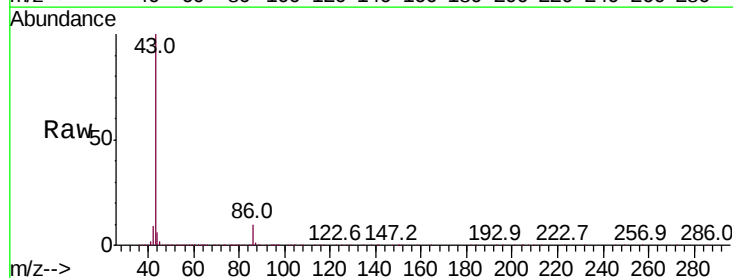
RT: 3.79 min Scan# 443

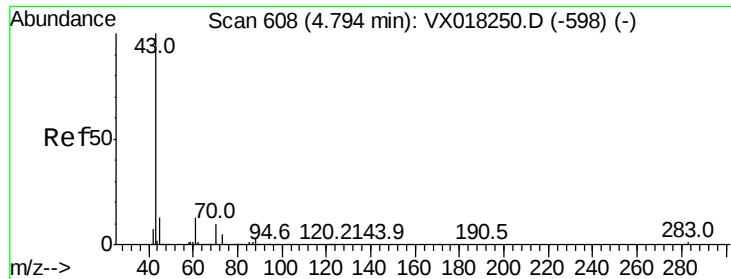
Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Tgt Ion	43	Resp	1247434
Ion	Ratio	Lower	Upper
43	100		
86	9.0	7.2	10.8





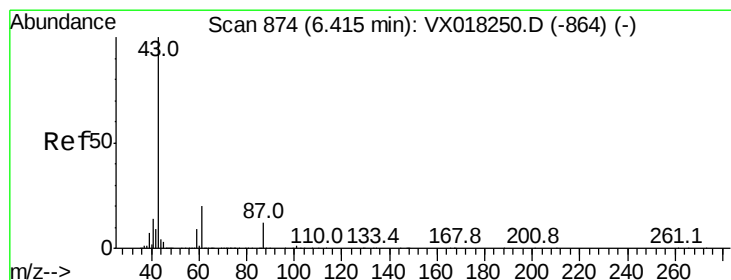
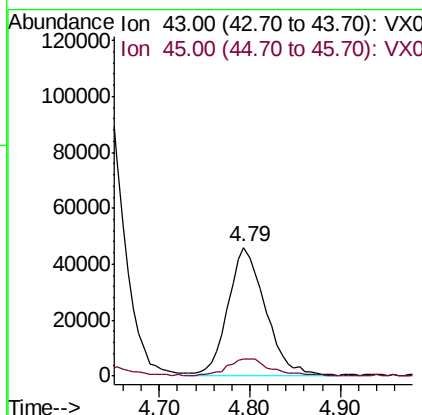
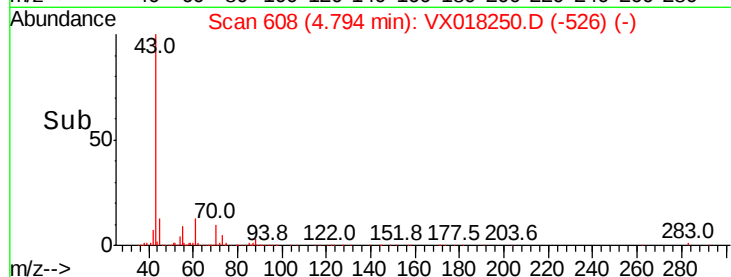
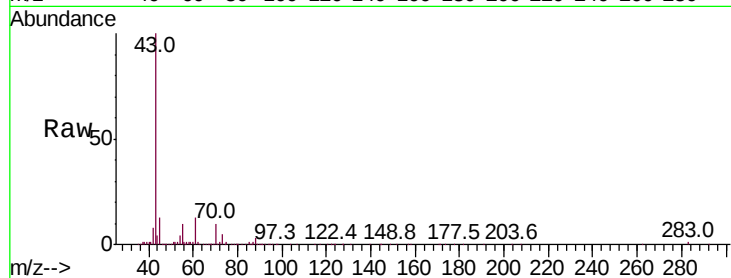
#43
Ethyl Acetate
Concen: 23.120 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
45	14.0	11.2	16.8

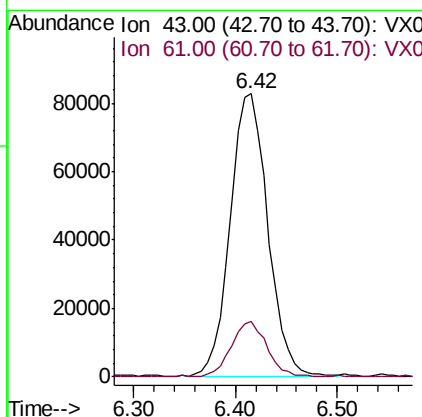
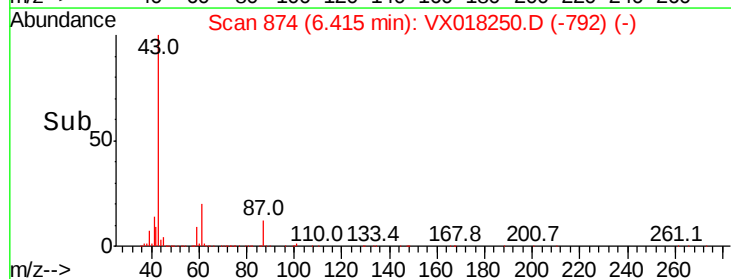
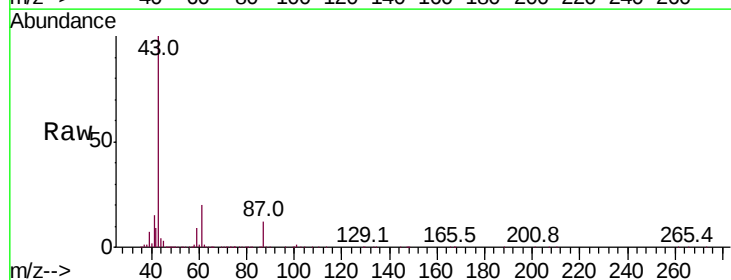
Manual Integrations
APPROVED

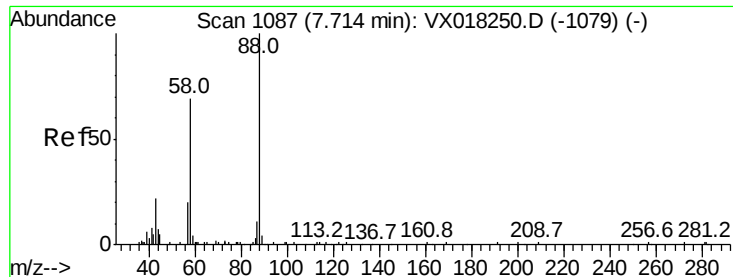
MMDadoda
9/8/2020 5:16:47 PM



#44
Isopropyl Acetate
Concen: 21.523 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.6	22.0





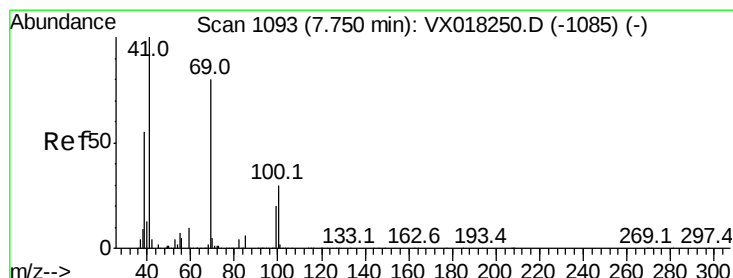
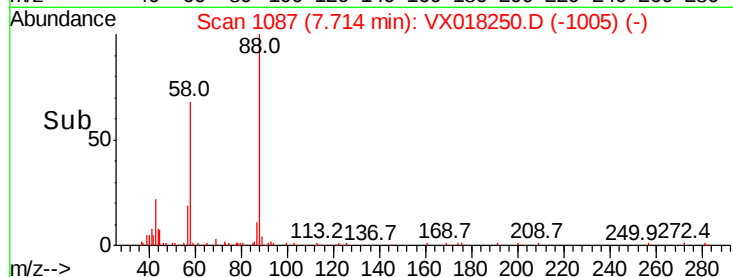
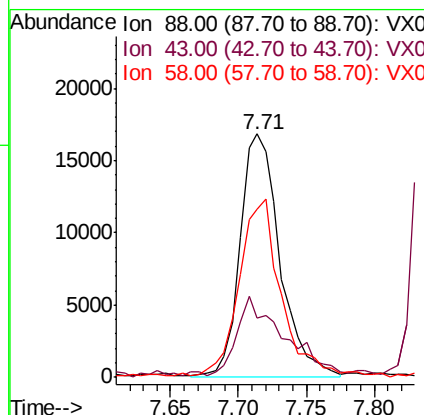
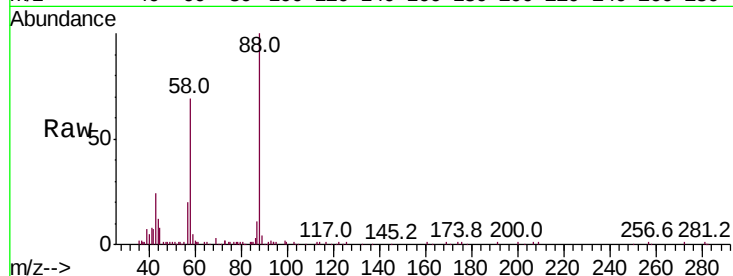
#45
1,4-Dioxane
Concen: 376.086 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	17.0	13.6	20.4
58	72.8	58.2	87.4

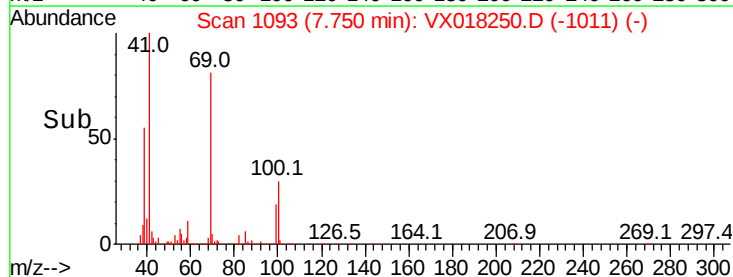
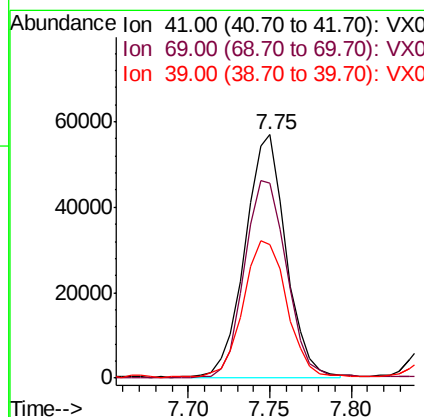
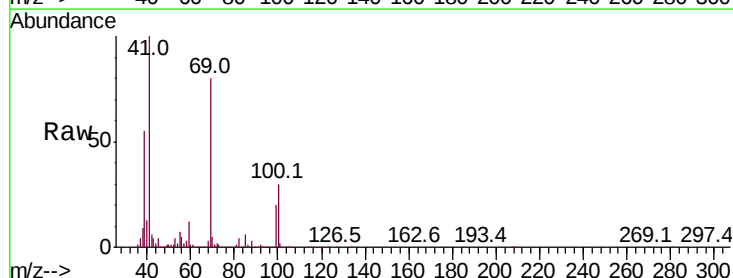
Manual Integrations
APPROVED

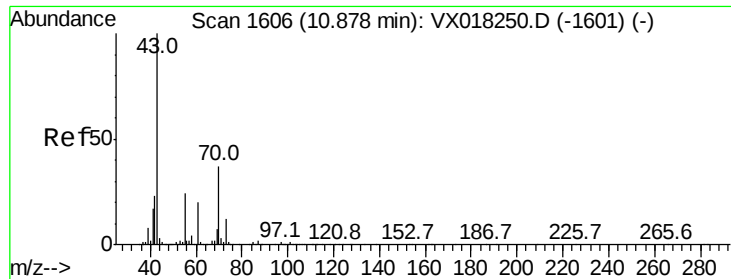
MMDadoda
9/8/2020 5:16:47 PM



#46
Methyl methacrylate
Concen: 20.661 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.5	40.3	120.8
39	54.6	27.3	81.9





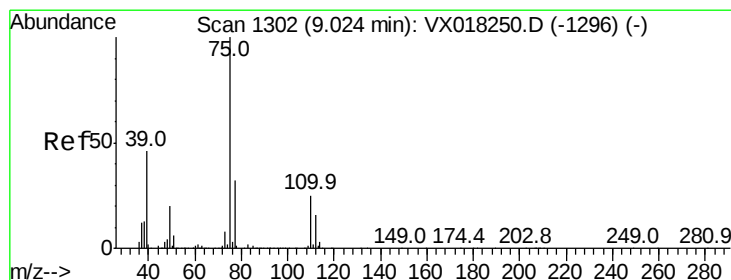
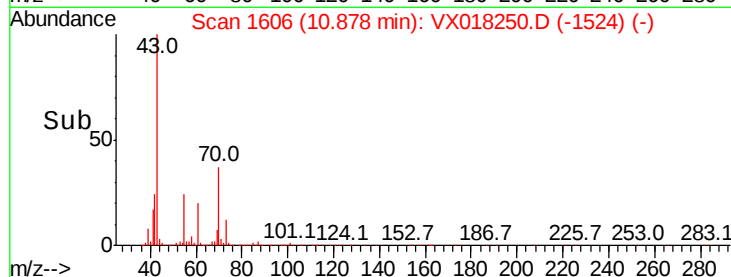
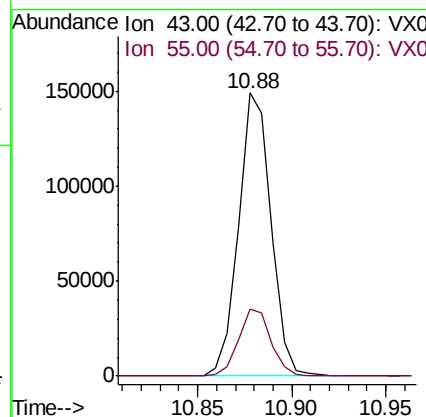
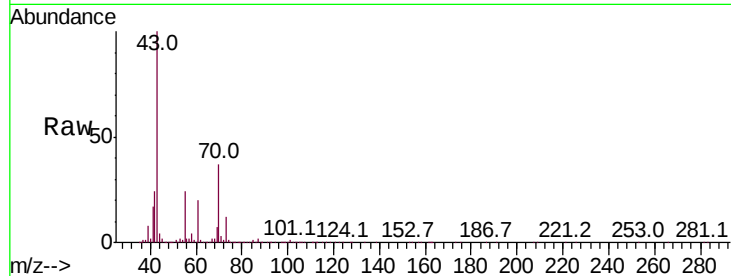
#47
n-amvl Acetate
Concen: 21.710 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	43	55	Ratio	100	23.6	Resp	176559	Lower	18.9	Upper	28.3
Ion	43	55	Ratio	100	23.6	Resp	176559	Lower	18.9	Upper	28.3

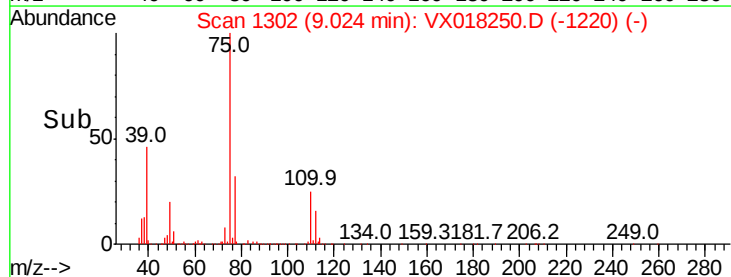
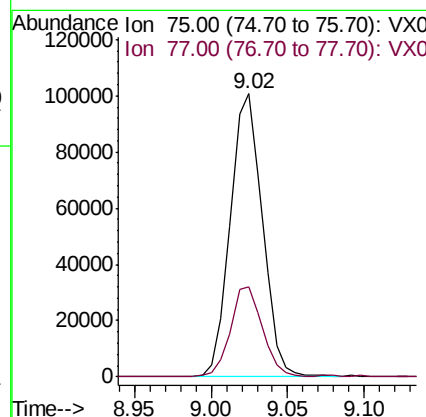
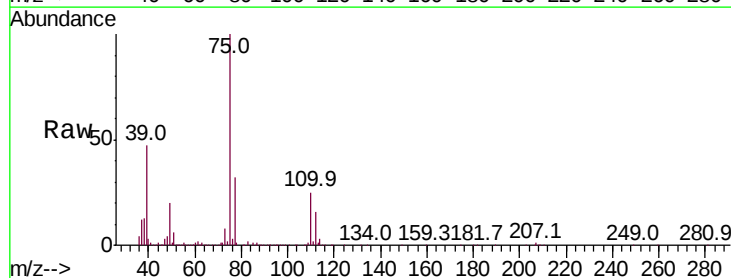
Manual Integrations
APPROVED

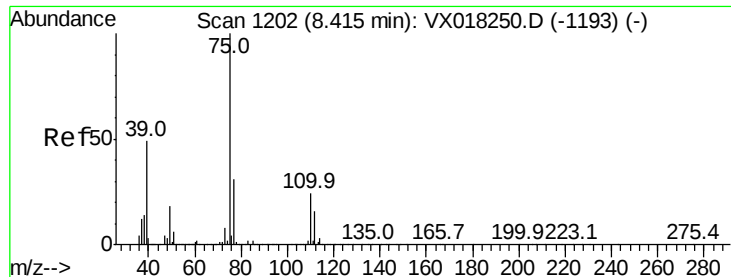
MMDadoda
9/8/2020 5:16:47 PM



#48
t-1,3-Dichloropropene
Concen: 21.230 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Tgt Ion	75	77	Ratio	100	31.8	Resp	146359	Lower	25.4	Upper	38.2
Ion	75	77	Ratio	100	31.8	Resp	146359	Lower	25.4	Upper	38.2





#49

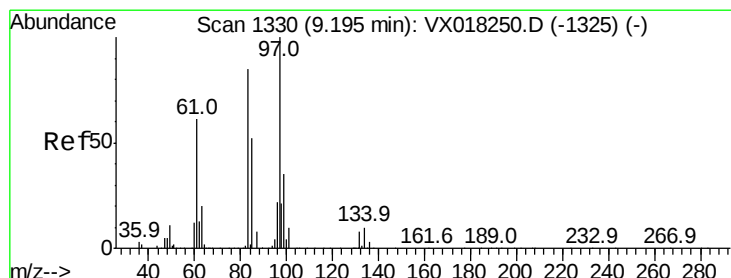
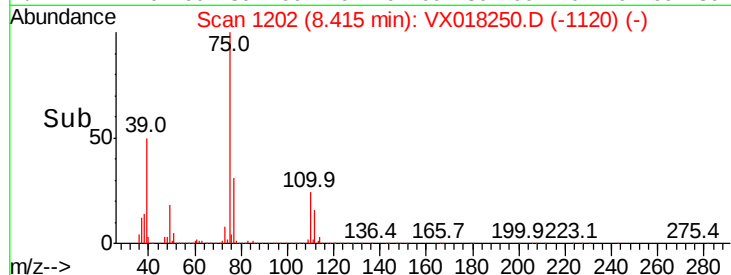
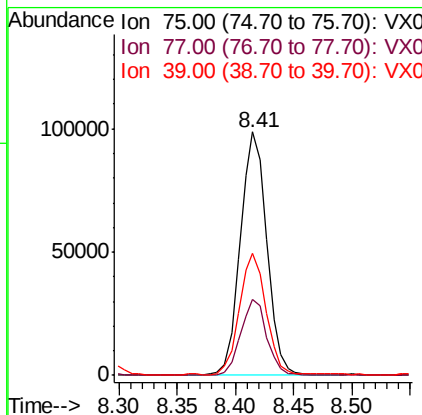
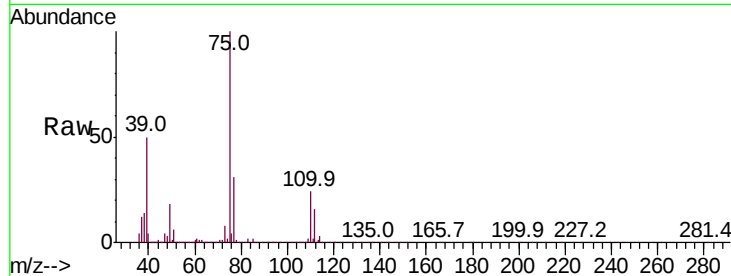
cis-1,3-Dichloropropene
Concen: 21.166 ug/l
RT: 8.41 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	49.5	39.6	59.4

Manual Integrations
APPROVED

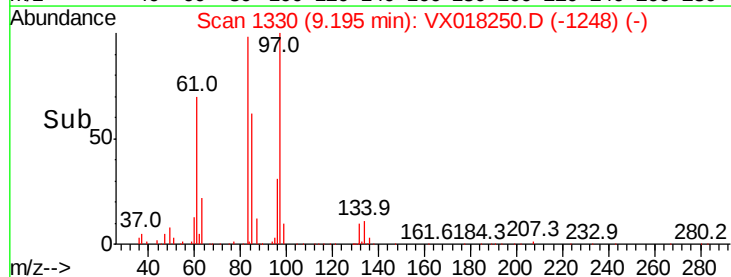
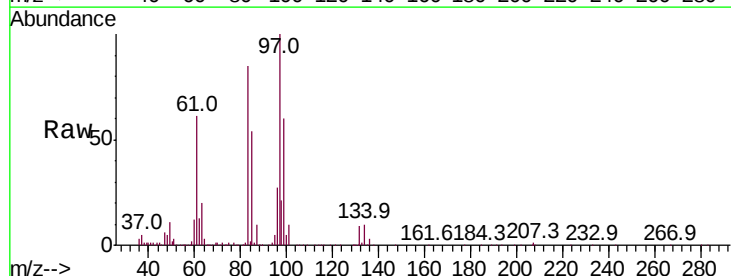
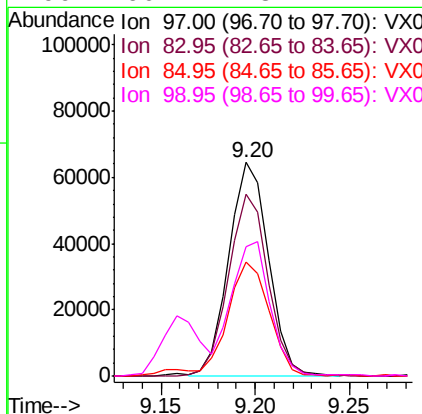
MMDadoda
9/8/2020 5:16:47 PM

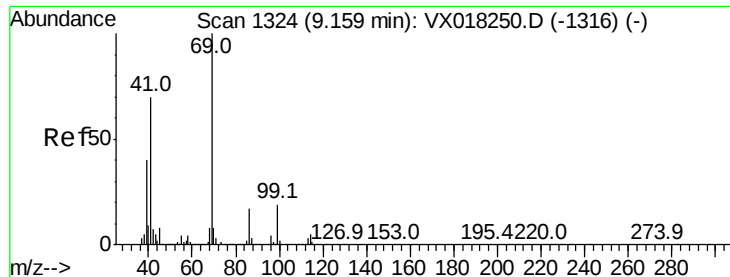


#50

1,1,2-Trichloroethane
Concen: 22.687 ug/l
RT: 9.20 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.1	102.1
85	53.3	42.6	64.0
99	60.2	48.2	72.2





#51

Ethyl methacrylate

Concen: 21.146 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

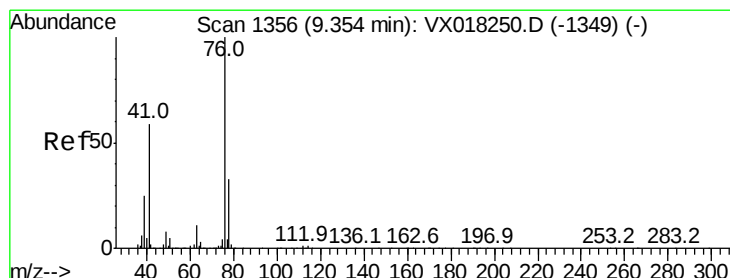
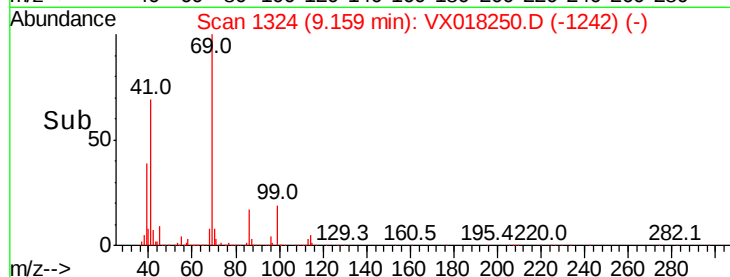
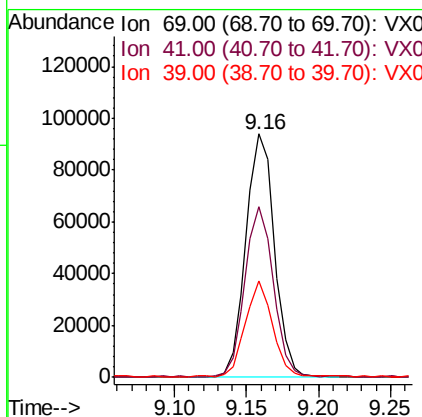
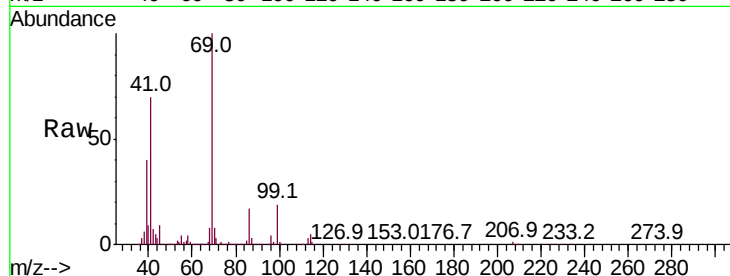
ClientSampleId :

VSTDICCC020

Tot Ion:	69	Resp:	129263
Ion Ratio	Lower	Upper	
69	100		
41	69.8	34.9	104.7
39	39.5	19.8	59.3

Manual Integrations
APPROVED

MMDadoda
9/8/2020 5:16:47 PM



#52

1,3-Dichloropropane

Concen: 22.557 ug/l

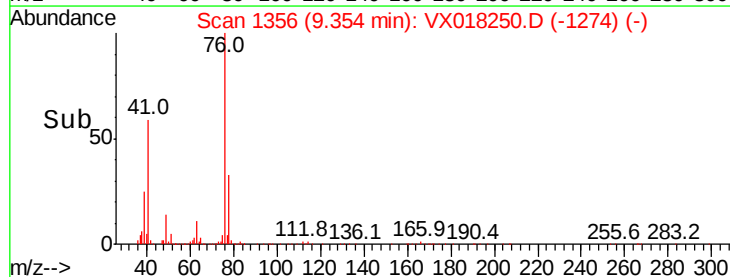
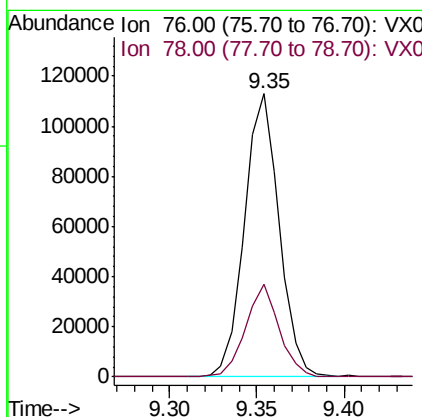
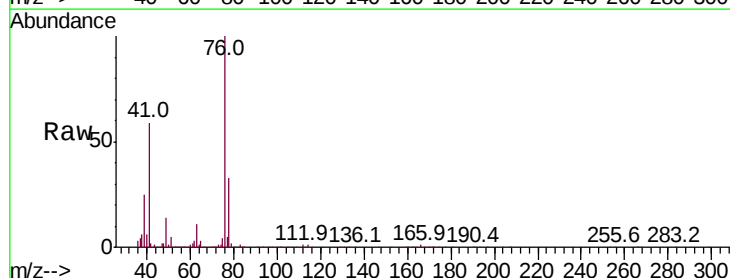
RT: 9.35 min Scan# 1356

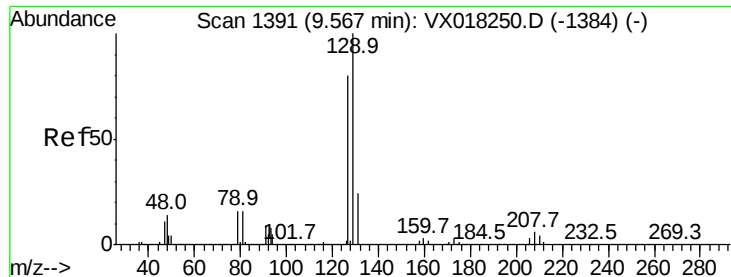
Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Tgt Ion:	76	Resp:	155302
Ion Ratio	Lower	Upper	
76	100		
78	31.1	0.0	62.2





#53

Dibromochloromethane

Concen: 21.173 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:129 Resp: 112736

Ion Ratio Lower Upper

129 100

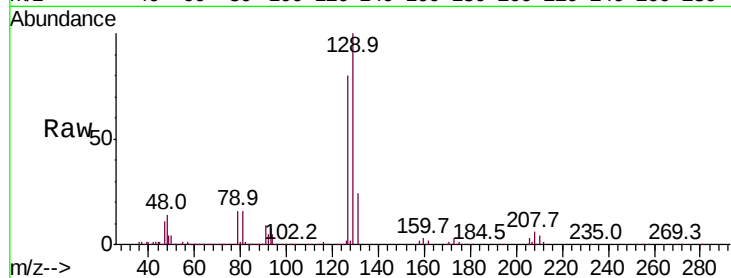
127 77.7 38.9 116.6

Manual Integrations

APPROVED

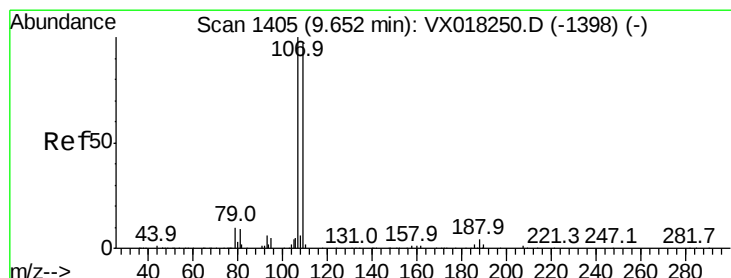
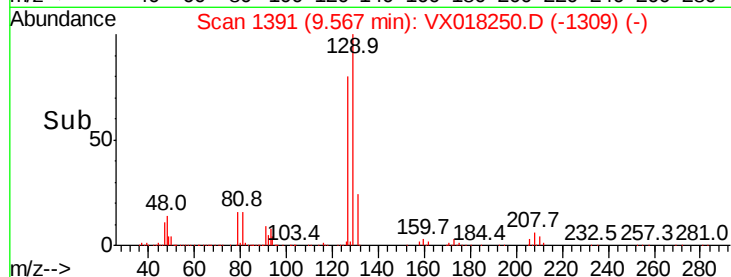
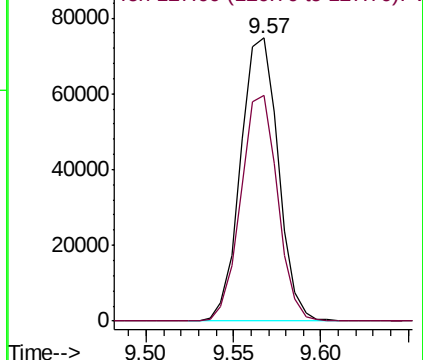
MMDadoda

9/8/2020 5:16:47 PM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.969 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX018250.D

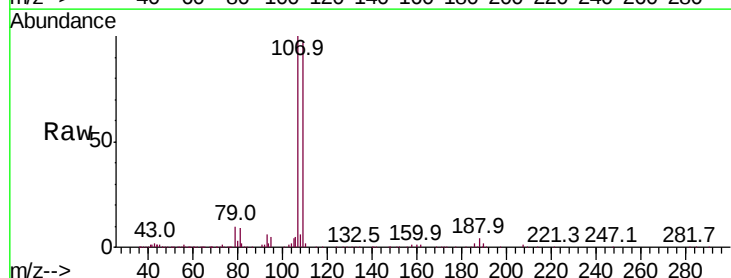
Acq: 04 Sep 2020 10:40

Tgt Ion:107 Resp: 100959

Ion Ratio Lower Upper

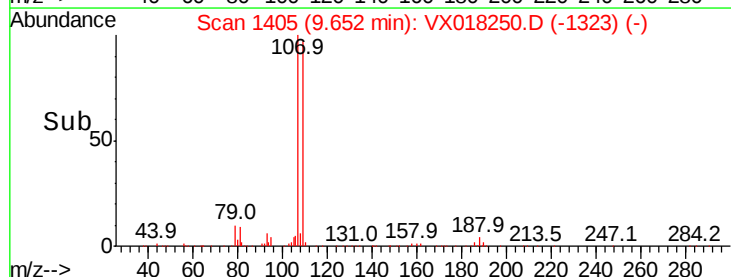
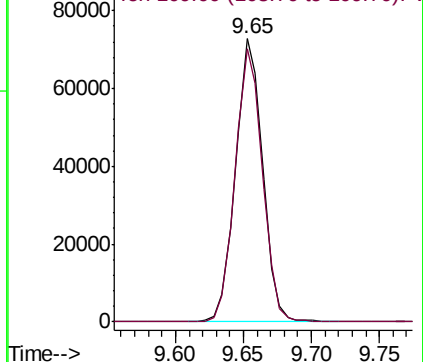
107 100

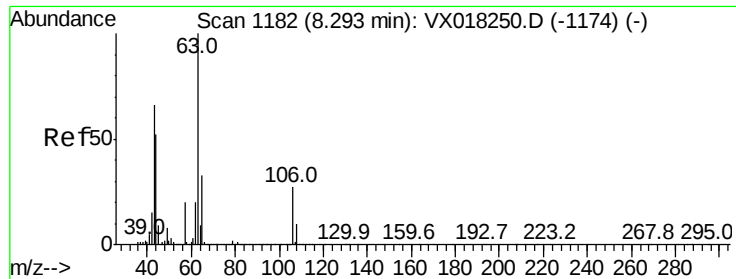
109 97.2 77.8 116.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 105.601 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

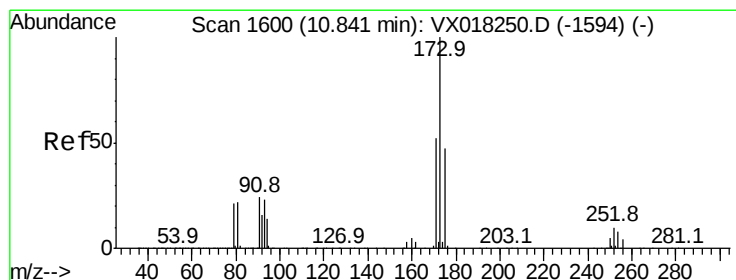
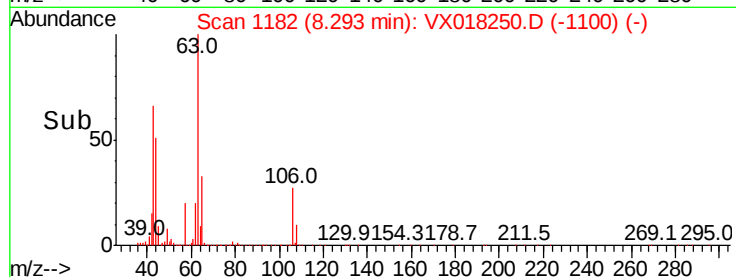
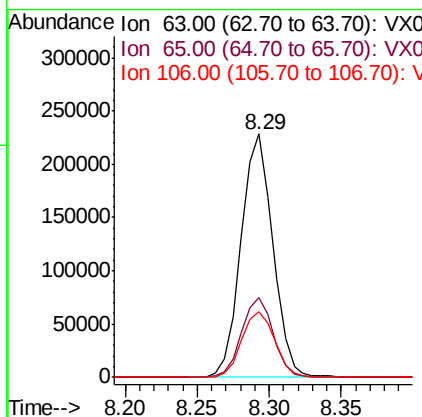
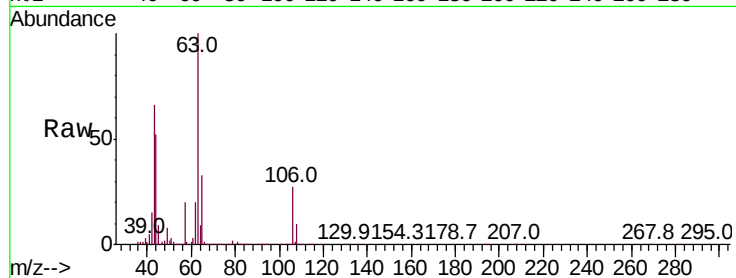
ClientSampleId :

VSTDICCC020

Tot Ion:	63	Resp:	349378
Ion Ratio	Lower	Upper	
63	100		
65	32.5	26.0	39.0
106	27.9	22.3	33.5

Manual Integrations
APPROVED

MMDadoda
9/8/2020 5:16:47 PM



#56

Bromoform

Concen: 20.950 ug/l

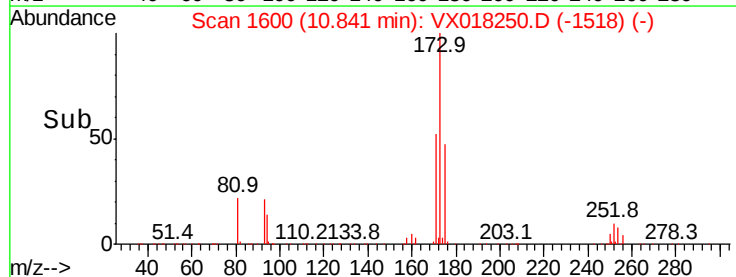
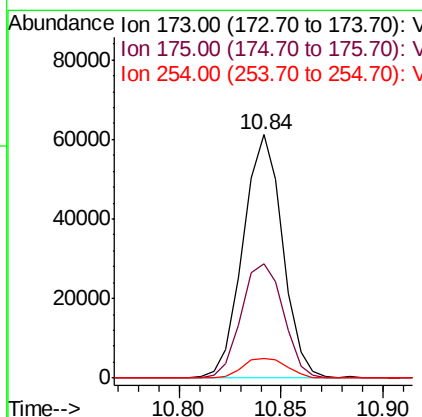
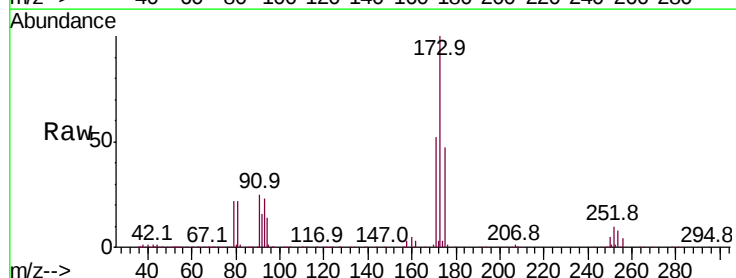
RT: 10.84 min Scan# 1600

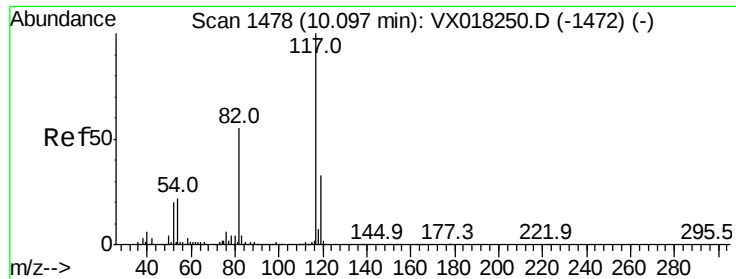
Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Tgt Ion:	173	Resp:	82743
Ion Ratio	Lower	Upper	
173	100		
175	50.2	40.2	60.2
254	9.1	7.3	10.9





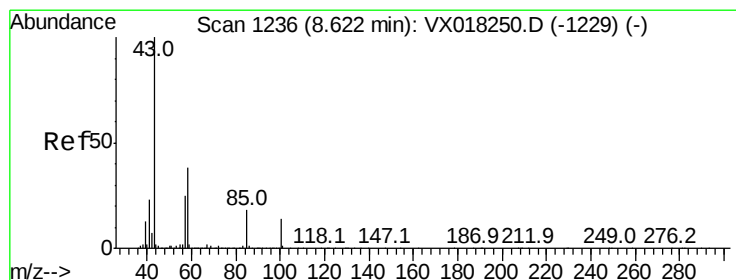
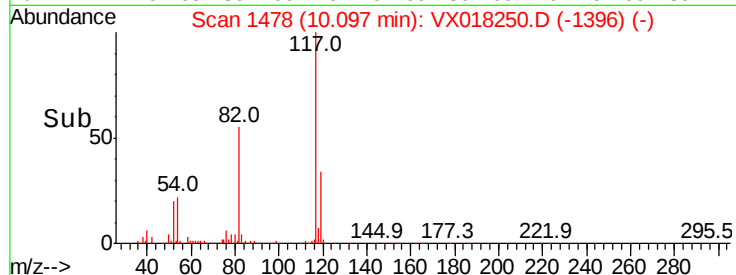
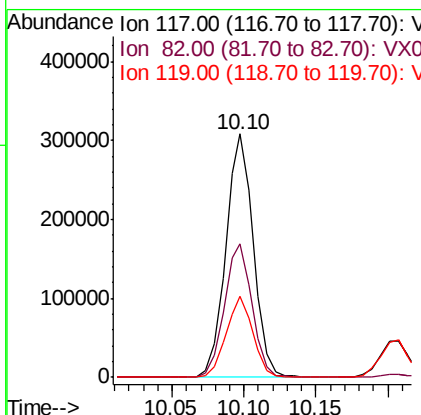
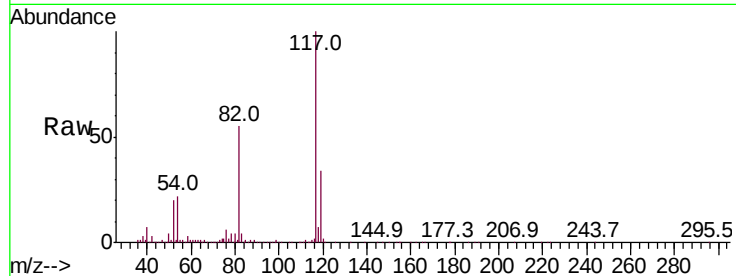
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	411406		
82	55.3	44.2	66.4	
119	32.6	26.1	39.1	

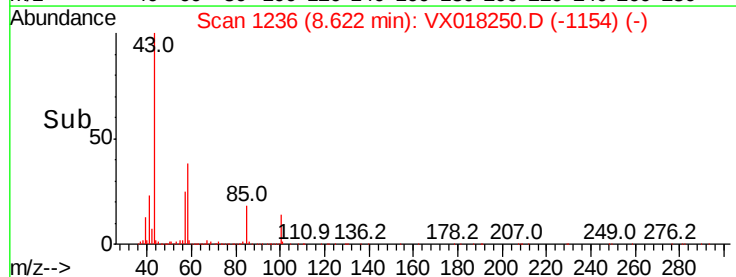
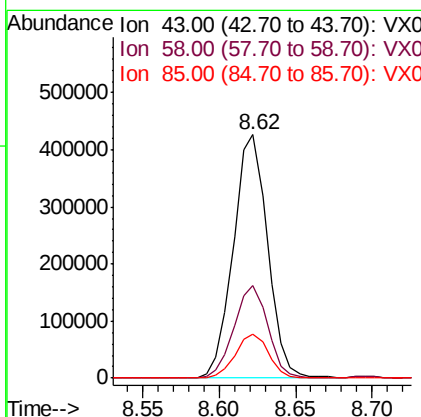
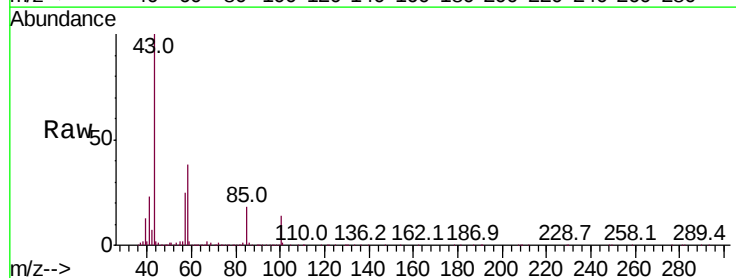
Manual Integrations
APPROVED

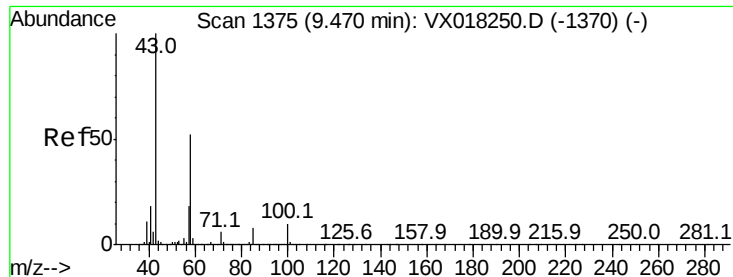
MMDadoda
9/8/2020 5:16:47 PM



#58
4-Methyl-2-Pentanone
Concen: 109.814 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	662526		
58	37.5	30.0	45.0	
85	17.8	14.2	21.4	





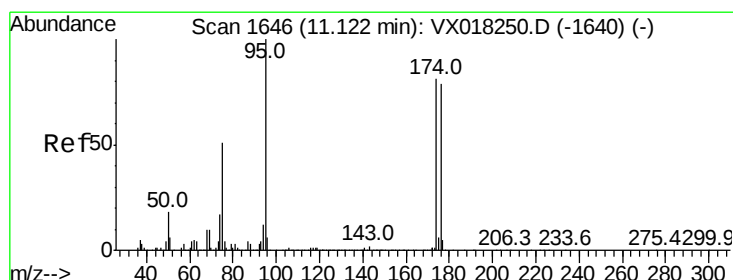
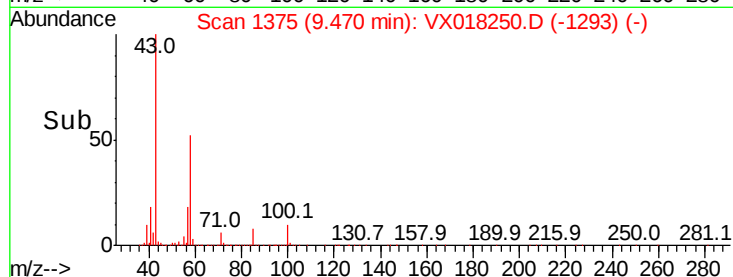
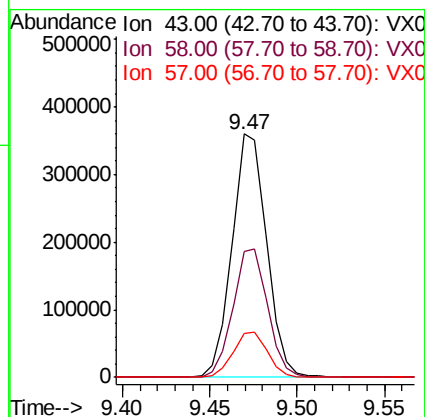
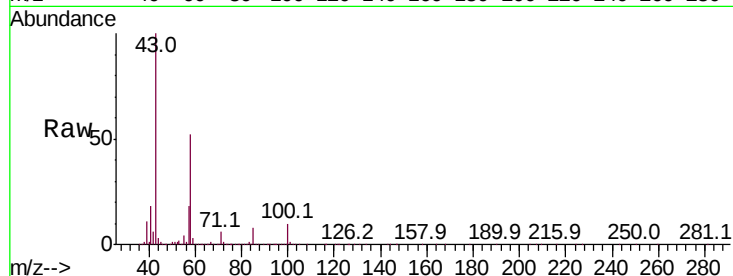
#59
2-Hexanone
Concen: 113.461 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.1	42.5	63.7
57	18.5	14.8	22.2

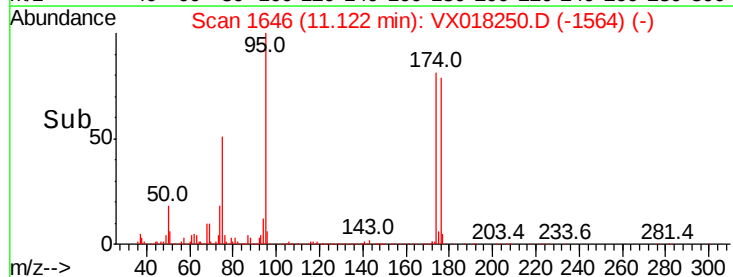
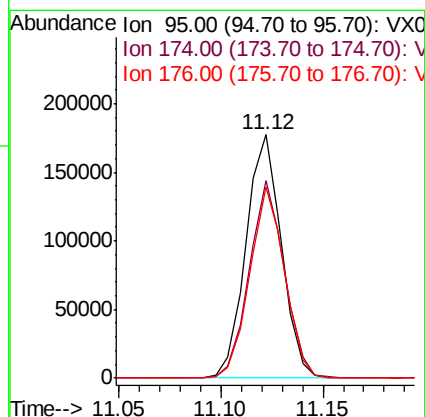
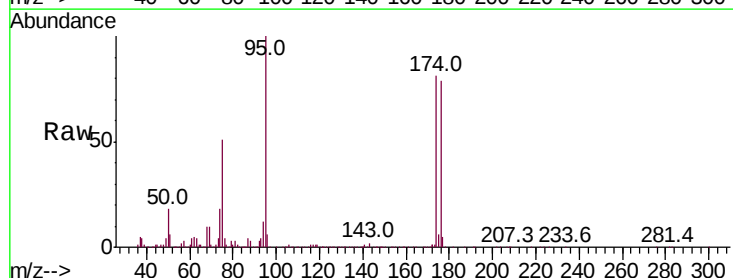
Manual Integrations
APPROVED

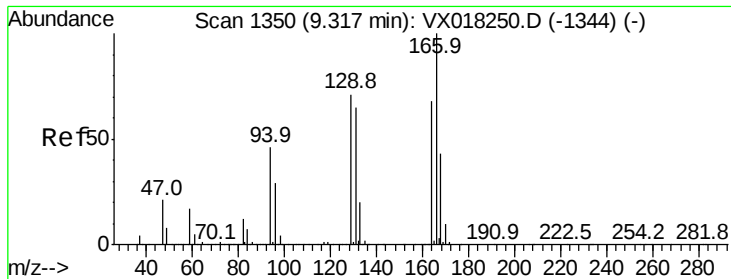
MMDadoda
9/8/2020 5:16:47 PM



#60
4-Bromofluorobenzene
Concen: 30.825 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.3	64.2	96.4
176	77.8	62.2	93.4





#61

Tetrachloroethene

Concen: 20.943 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 96394

Ion Ratio Lower Upper

164 100

166 146.7 117.4 176.0

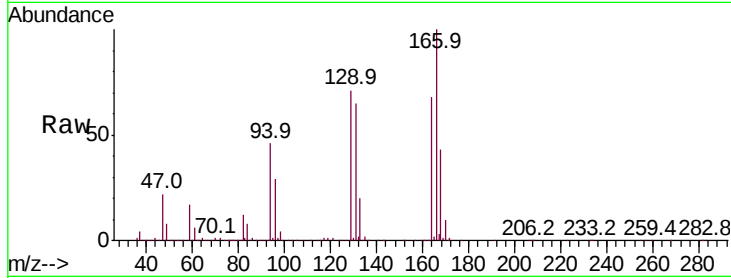
129 103.4 82.7 124.1

131 95.9 76.7 115.1

Manual Integrations
APPROVED

MMDadoda

9/8/2020 5:16:47 PM

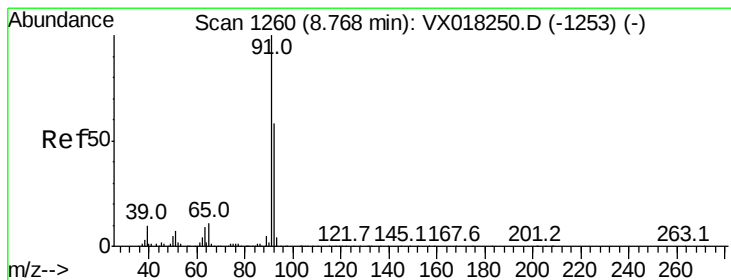
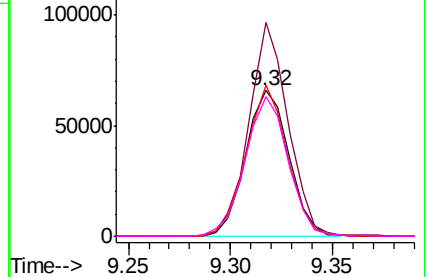
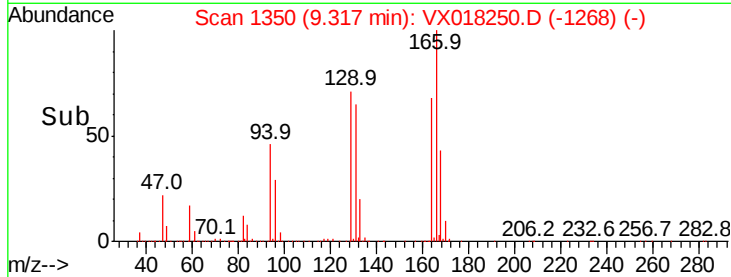


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 22.508 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX018250.D

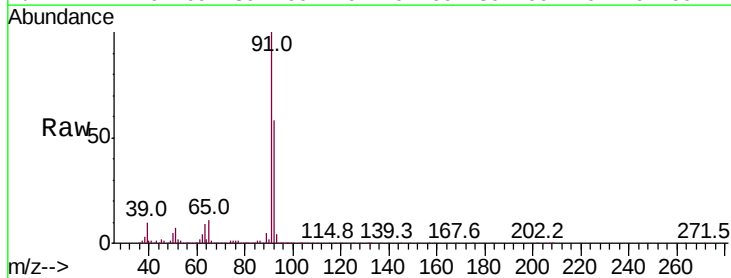
Acq: 04 Sep 2020 10:40

Tgt Ion: 91 Resp: 383873

Ion Ratio Lower Upper

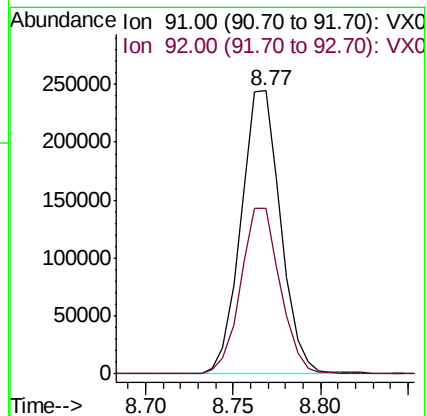
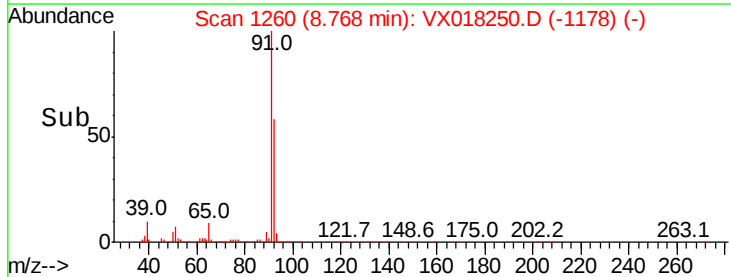
91 100

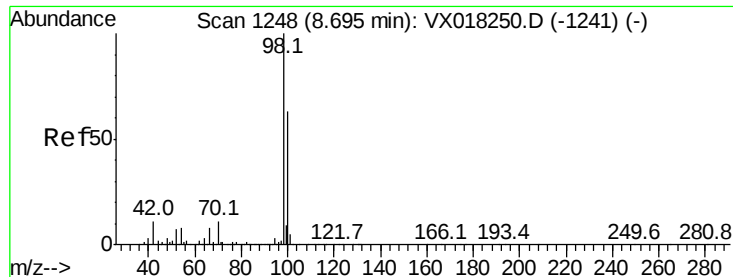
92 58.6 46.9 70.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 31.011 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 98 Resp: 554413

Ion Ratio Lower Upper

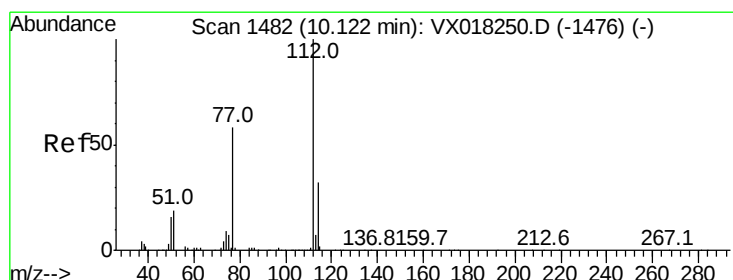
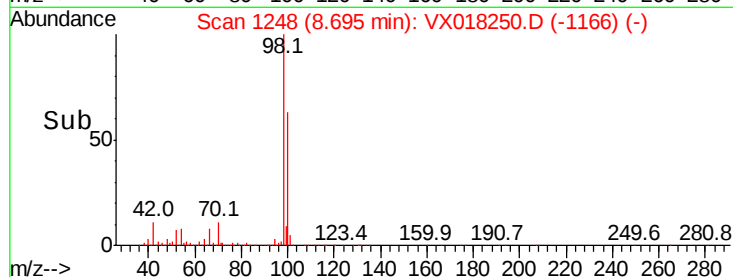
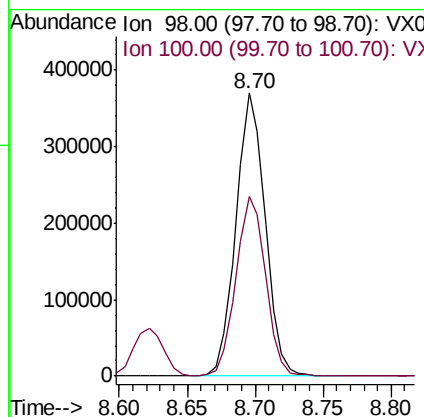
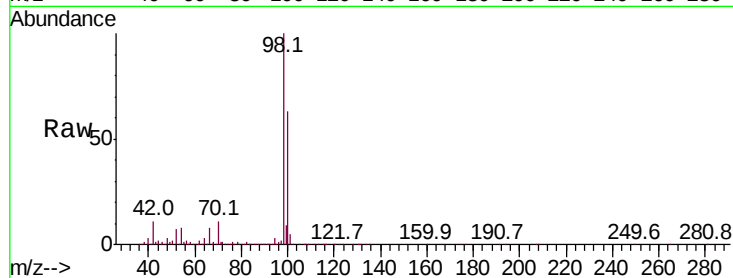
98 100

100 64.2 51.4 77.0

Manual Integrations
APPROVED

MMDadoda

9/8/2020 5:16:47 PM



#64

Chlorobenzene

Concen: 21.823 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018250.D

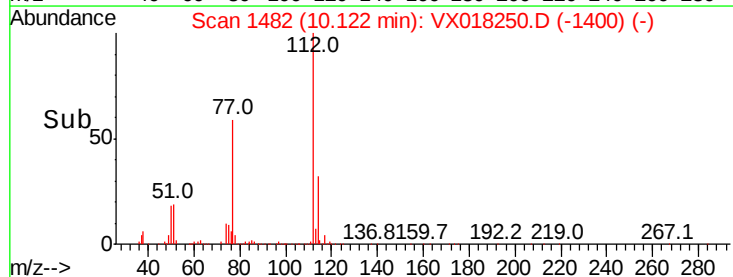
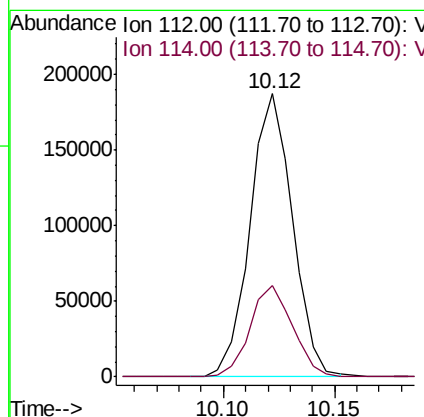
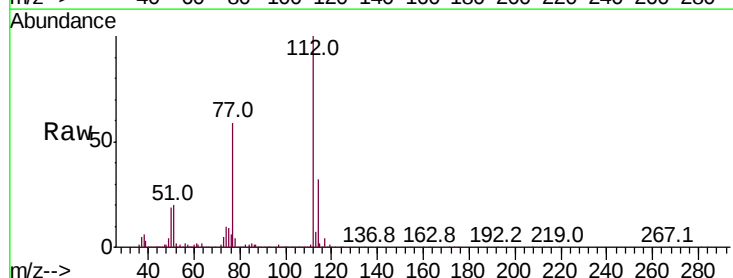
Acq: 04 Sep 2020 10:40

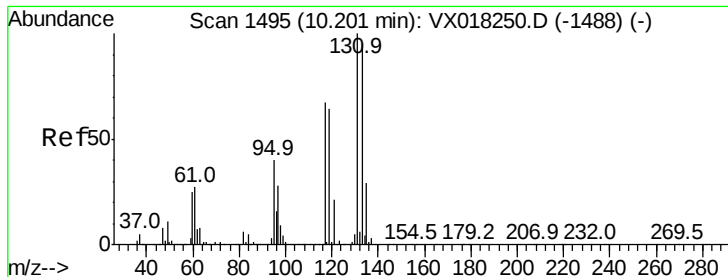
Tgt Ion: 112 Resp: 248569

Ion Ratio Lower Upper

112 100

114 32.3 25.8 38.8





#65

1,1,1,2-Tetrachloroethane

Concen: 21.179 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

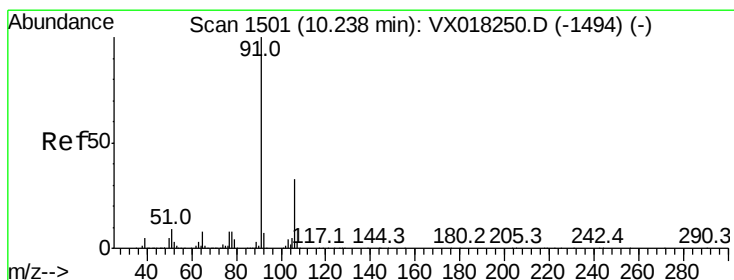
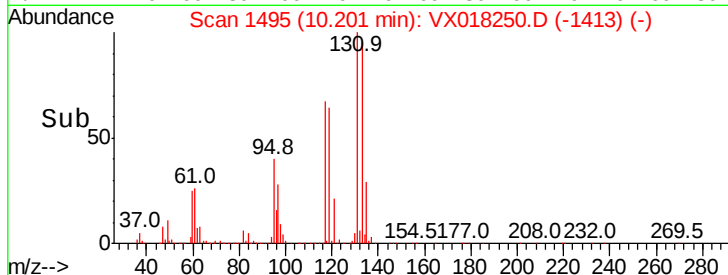
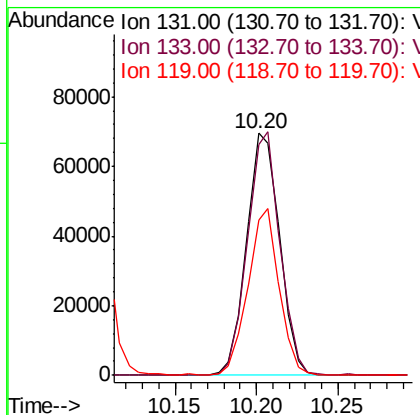
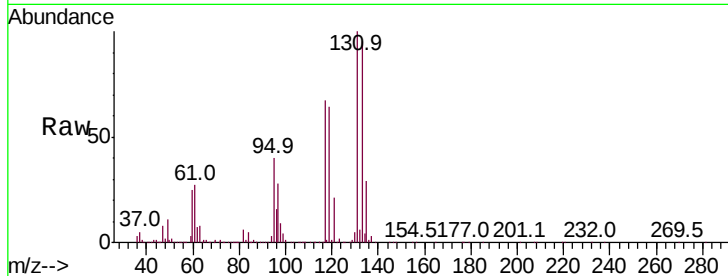
ClientSampleId :

VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
131	100	98618		
133	98.6	0.0	197.2	
119	64.9	0.0	129.8	

Manual Integrations
APPROVED

MMDadoda
9/8/2020 5:16:47 PM



#66

Ethyl Benzene

Concen: 22.019 ug/l

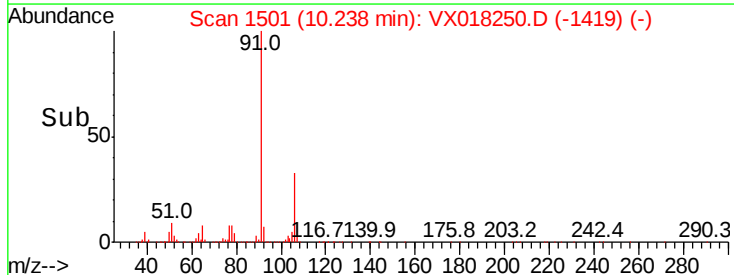
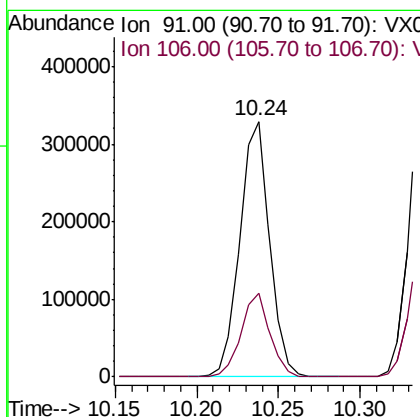
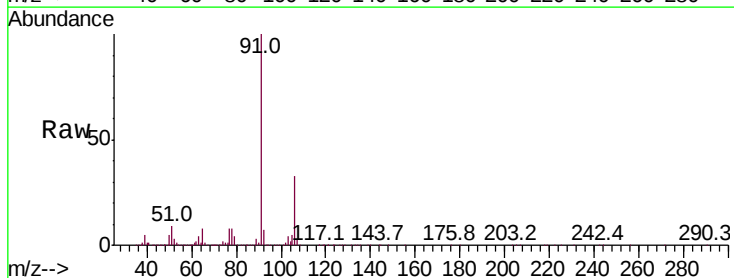
RT: 10.24 min Scan# 1501

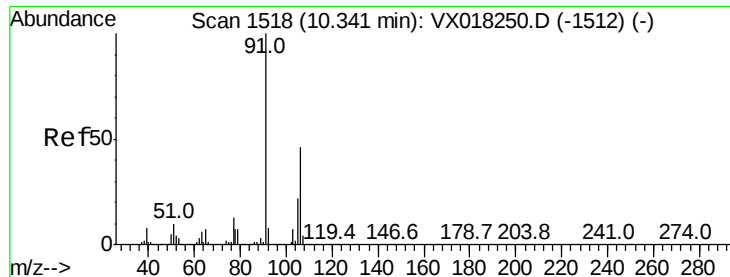
Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	417597		
106	32.9	26.3	39.5	





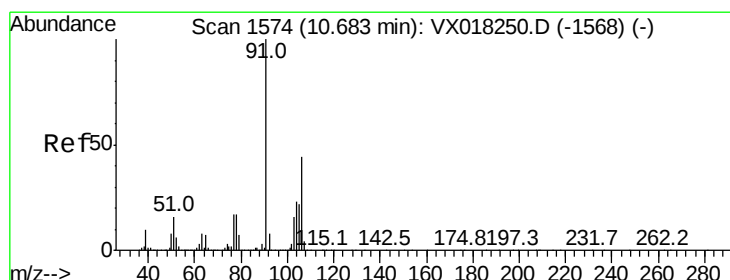
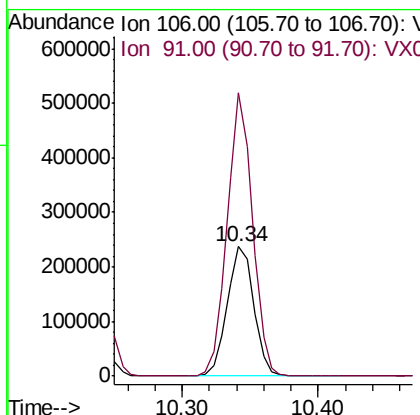
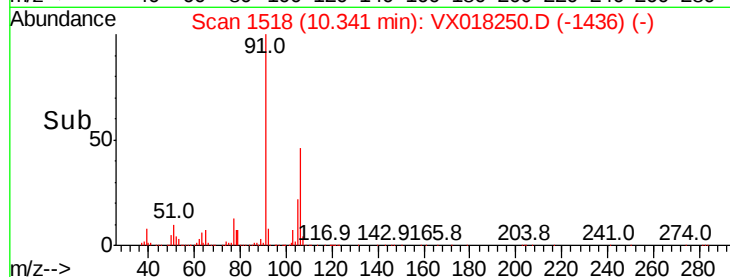
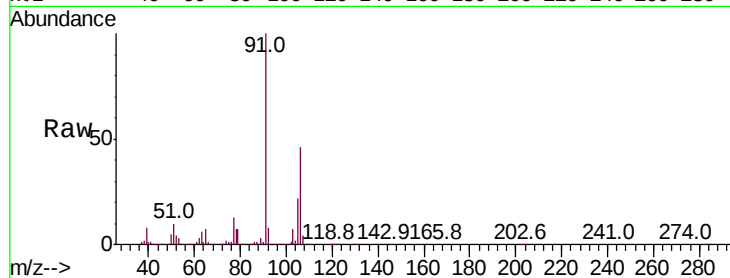
#67
m/p-Xylenes
Concen: 45.151 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC020

Tot Ion:106 Resp: 322256
Ion Ratio Lower Upper
106 100
91 207.7 166.2 249.2

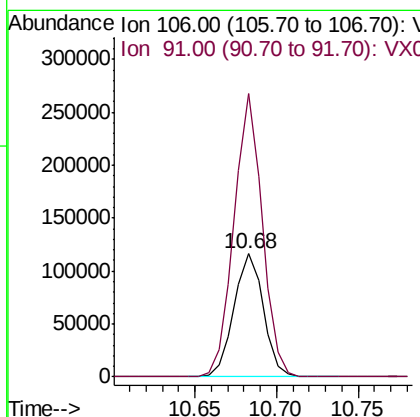
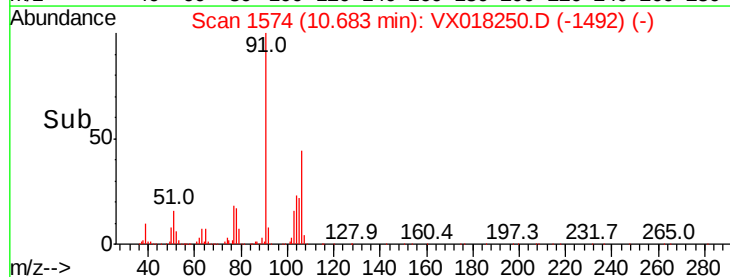
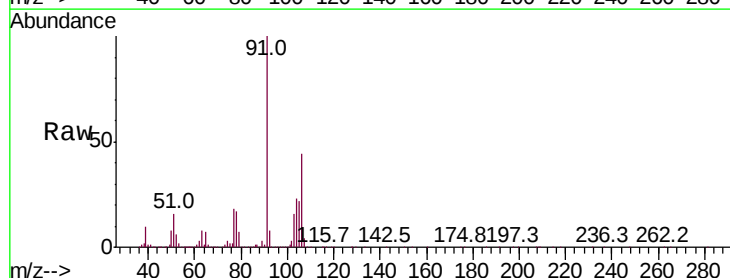
Manual Integrations
APPROVED

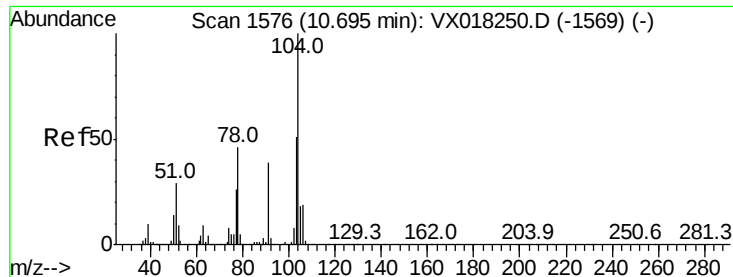
MMDadoda
9/8/2020 5:16:47 PM



#68
o-Xylene
Concen: 21.188 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Tgt Ion:106 Resp: 147436
Ion Ratio Lower Upper
106 100
91 218.4 109.2 327.6





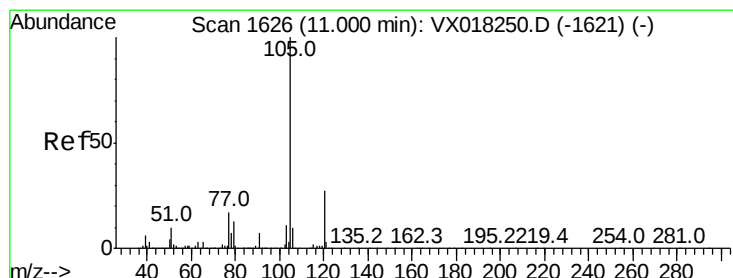
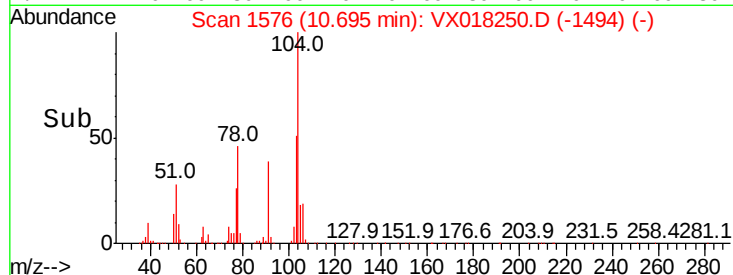
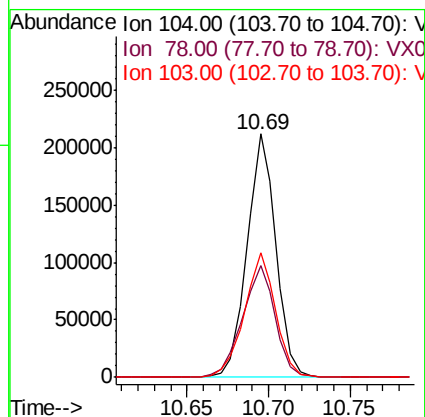
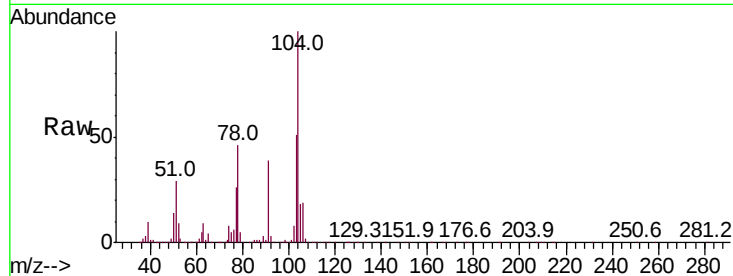
#69
Stvrene
Concen: 21.492 ug/l
RT: 10.69 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC020

Tot Ion:	104	Resp:	262066
Ion Ratio	Lower	Upper	
104	100		
78	52.1	41.7	62.5
103	55.2	44.2	66.2

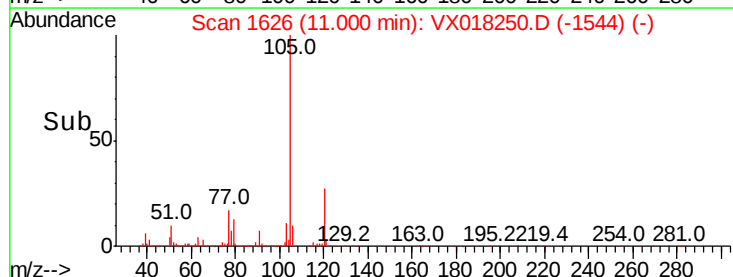
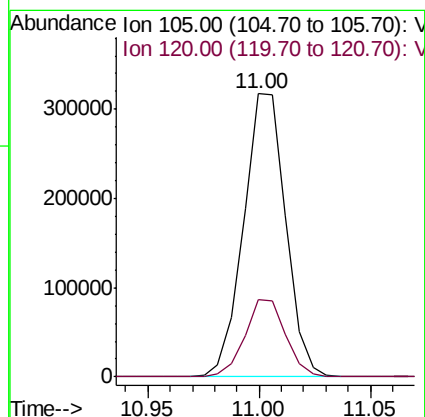
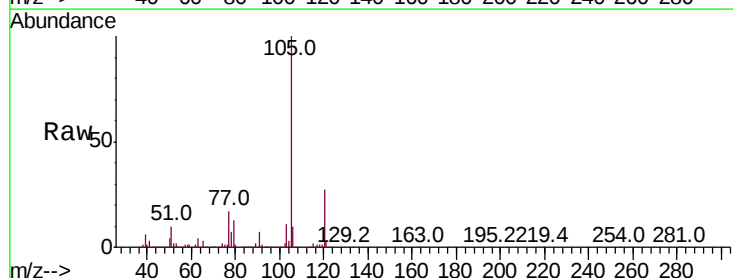
Manual Integrations
APPROVED

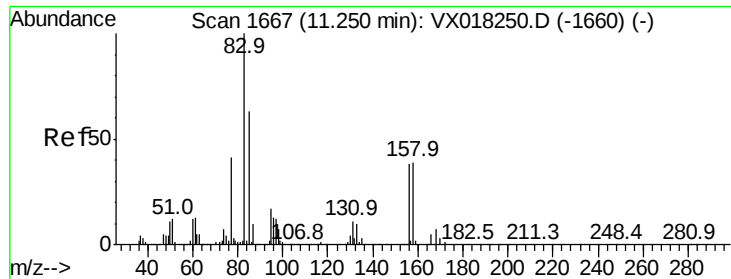
MMDadoda
9/8/2020 5:16:47 PM



#70
Isopropylbenzene
Concen: 20.893 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Tgt Ion:	105	Resp:	420083
Ion Ratio	Lower	Upper	
105	100		
120	26.7	18.7	34.7





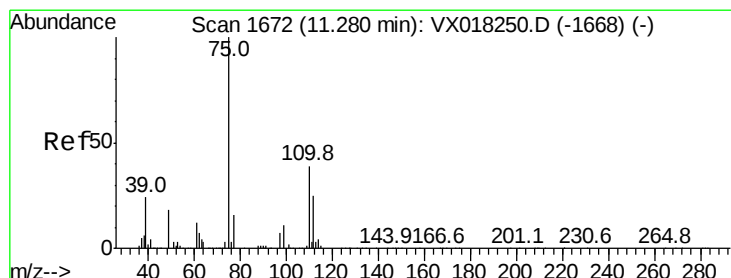
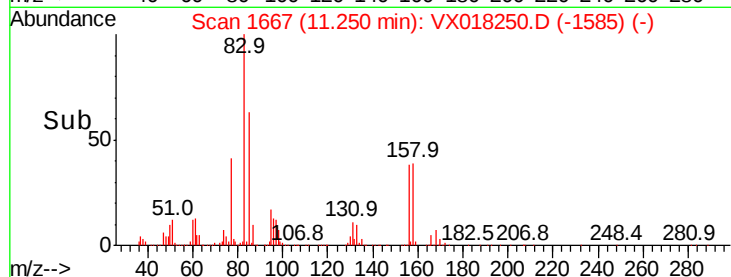
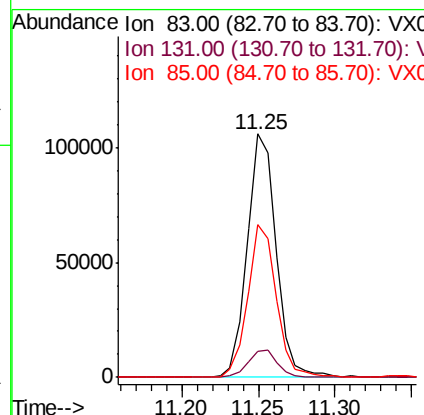
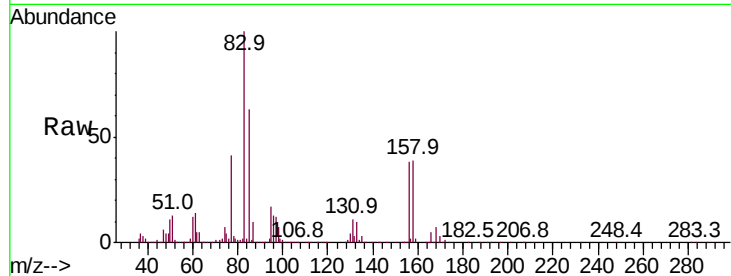
#71
 1,1,2,2-Tetrachloroethane
 Concen: 23.646 ug/l
 RT: 11.25 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: VX018250.D
 Acq: 04 Sep 2020 10:40

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	11.5	5.8	17.3	
85	62.6	31.3	93.9	

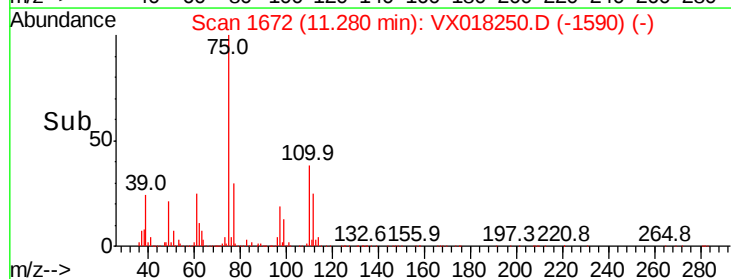
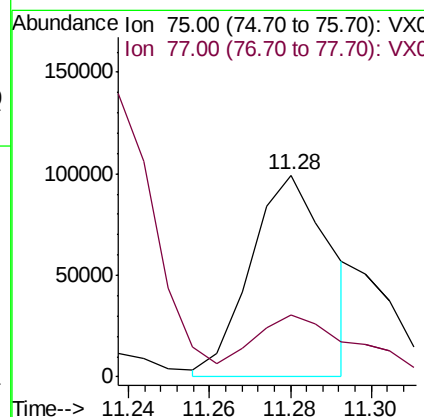
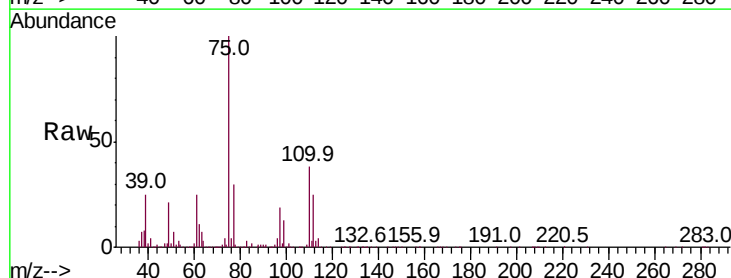
Manual Integrations
 APPROVED

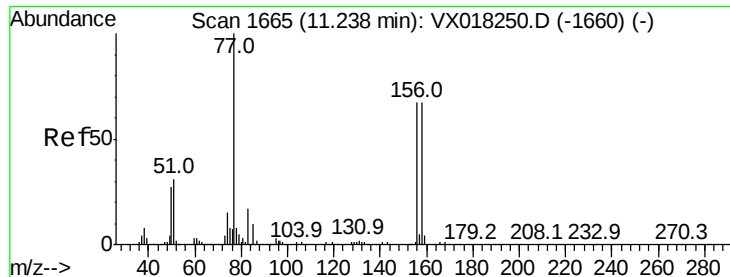
MMDadoda
 9/8/2020 5:16:47 PM



#72
 1,2,3-Trichloropropane
 Concen: 23.277 ug/l m
 RT: 11.28 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VX018250.D
 Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	37.4	0.0	74.8	





#73

Bromobenzene

Concen: 21.657 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

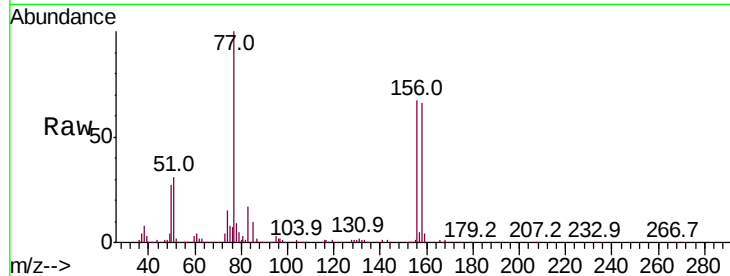
ClientSampleId :

VSTDICCC020

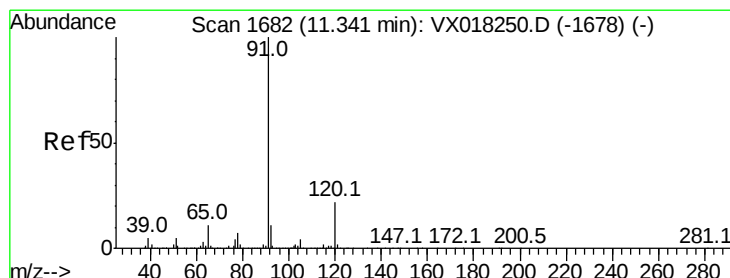
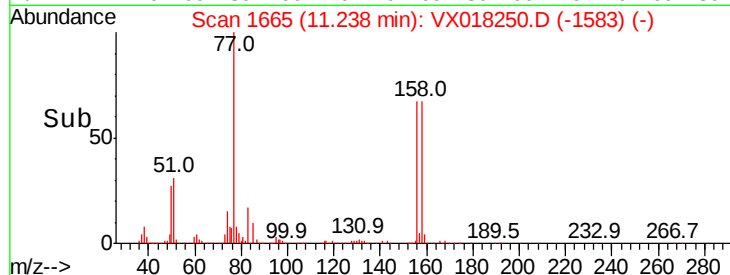
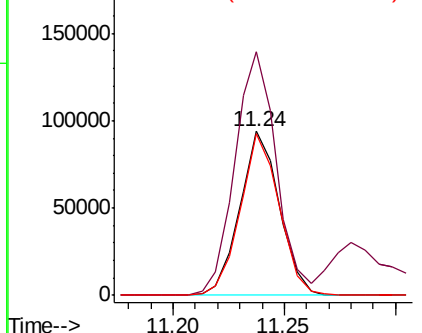
Tot Ion:	156	Resp:	115885
Ion Ratio	Lower	Upper	
156	100		
77	155.5	0.0	311.0
158	97.2	0.0	194.4

Manual Integrations
APPROVED

MMDadoda
9/8/2020 5:16:47 PM



Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 21.351 ug/l

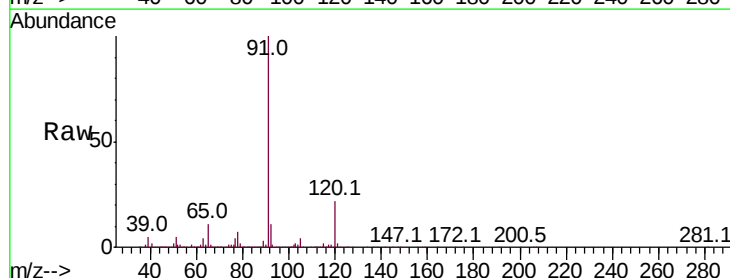
RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

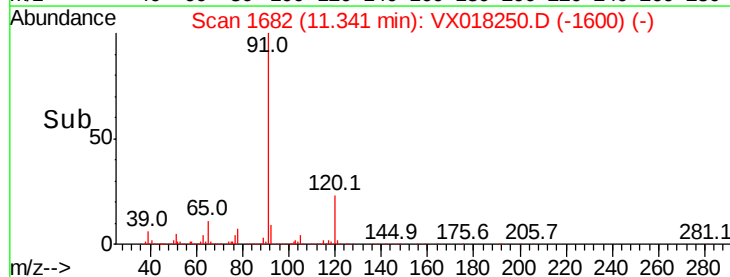
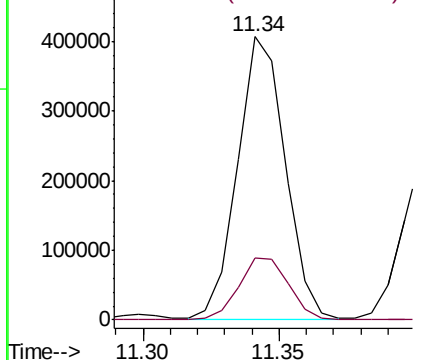
Lab File: VX018250.D

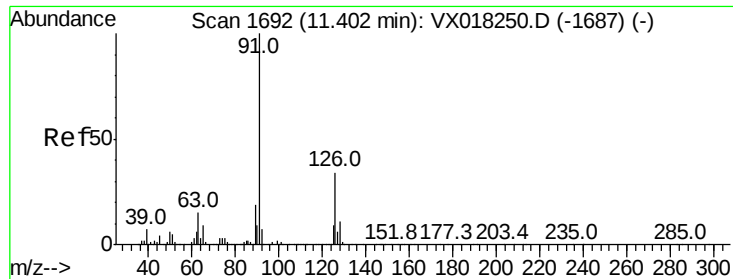
Acq: 04 Sep 2020 10:40

Tgt Ion:	91	Resp:	493887
Ion Ratio	Lower	Upper	
91	100		
120	22.7	0.0	45.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 21.517 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 301651

Ion Ratio Lower Upper

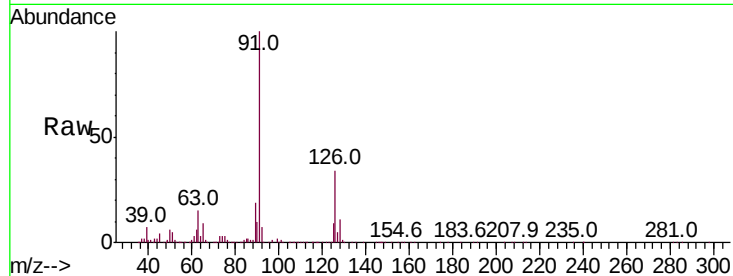
91 100

126 34.2 0.0 68.4

Manual Integrations
APPROVED

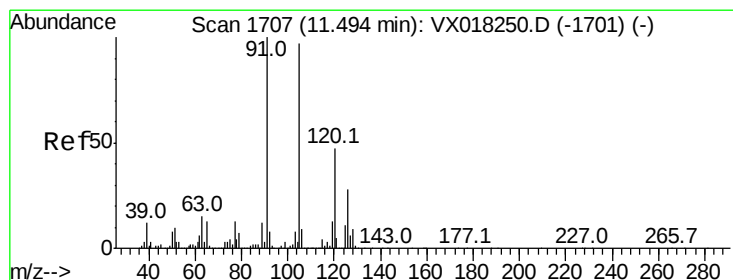
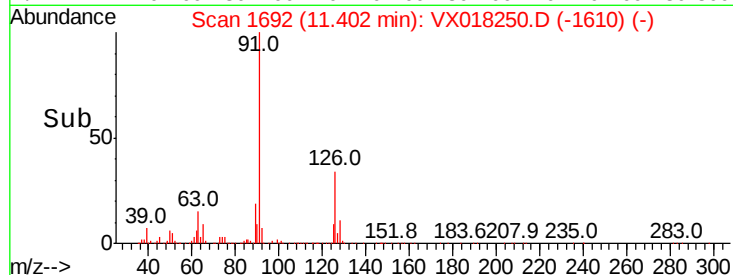
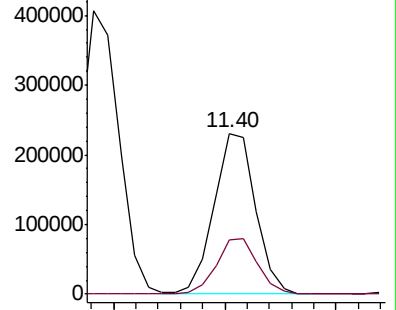
MMDadoda

9/8/2020 5:16:47 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 21.391 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX018250.D

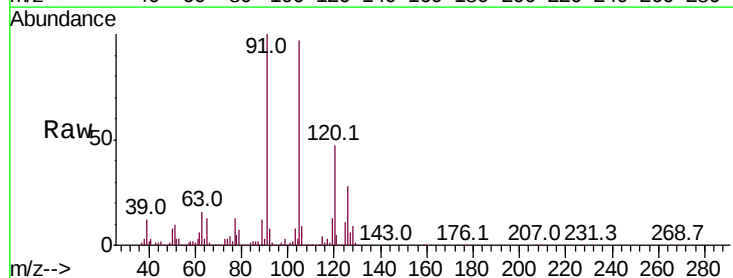
Acq: 04 Sep 2020 10:40

Tgt Ion: 105 Resp: 363366

Ion Ratio Lower Upper

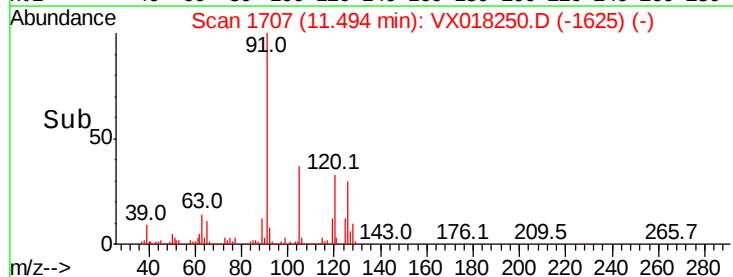
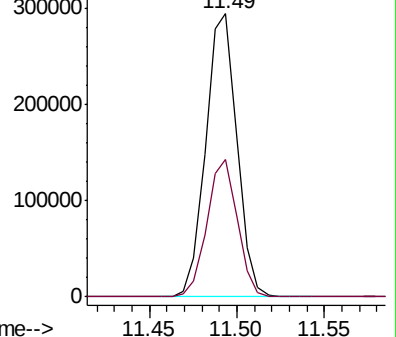
105 100

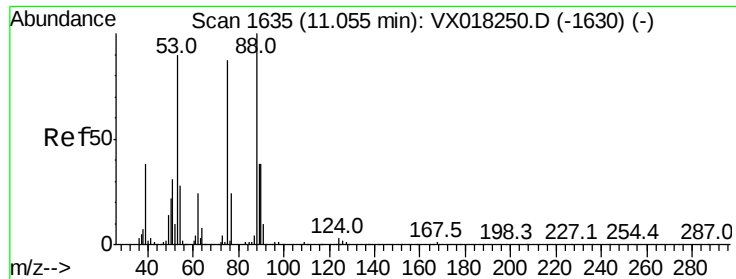
120 47.5 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 21.689 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

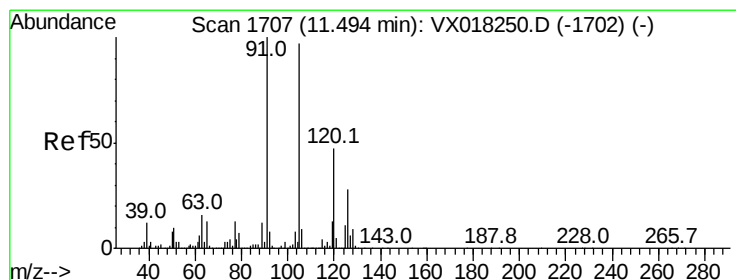
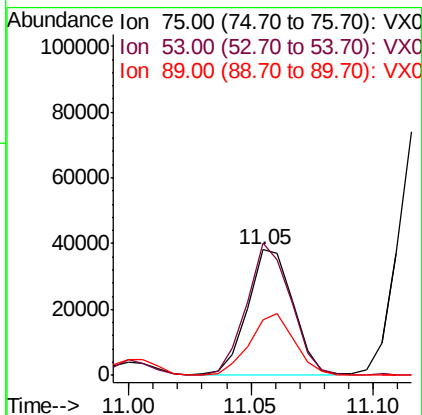
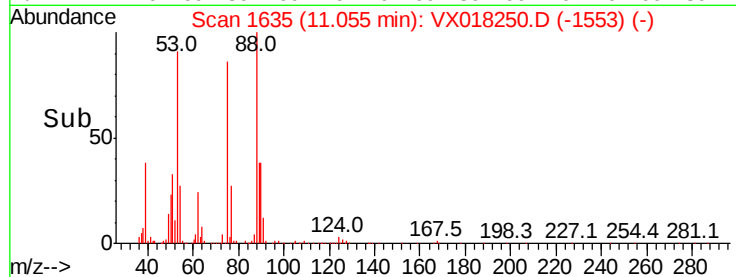
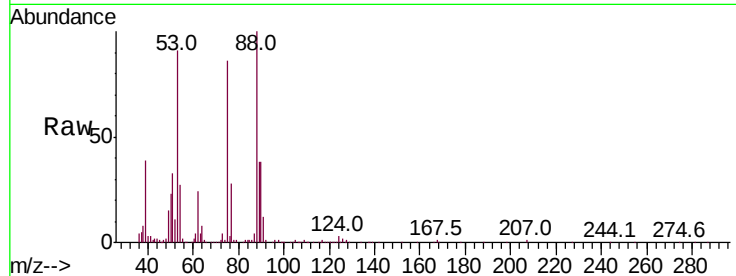
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	49366
Ion	Ratio	Lower	Upper
75	100		
53	104.3	52.1	156.4
89	44.2	22.1	66.3

Manual Integrations
APPROVED

MMDadoda
9/8/2020 5:16:47 PM



#78

4-Chlorotoluene

Concen: 21.877 ug/l

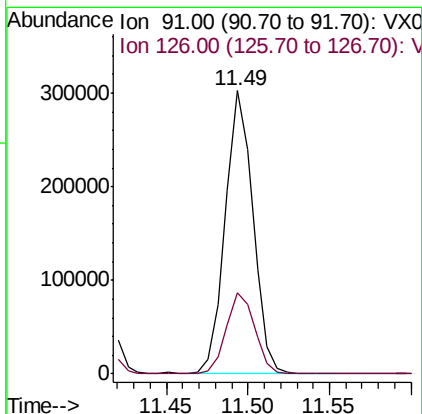
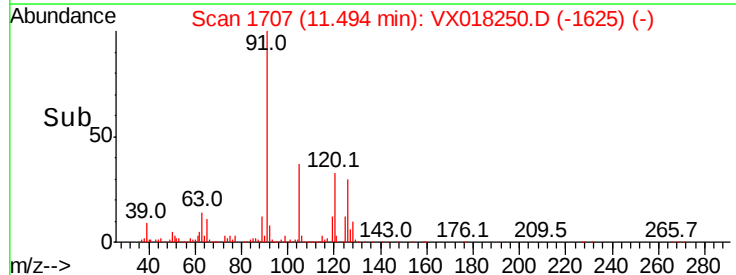
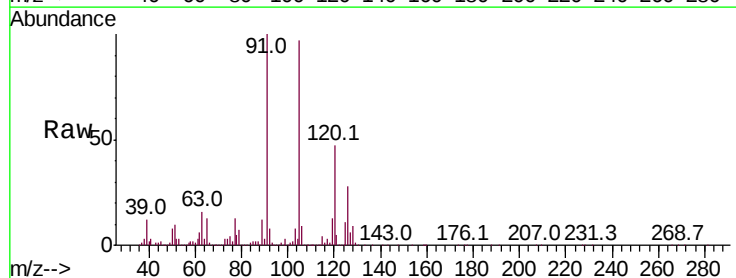
RT: 11.49 min Scan# 1707

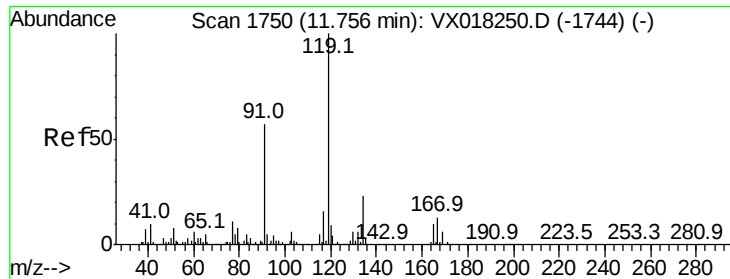
Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Tgt Ion:	91	Resp:	357597
Ion	Ratio	Lower	Upper
91	100		
126	29.6	0.0	59.2





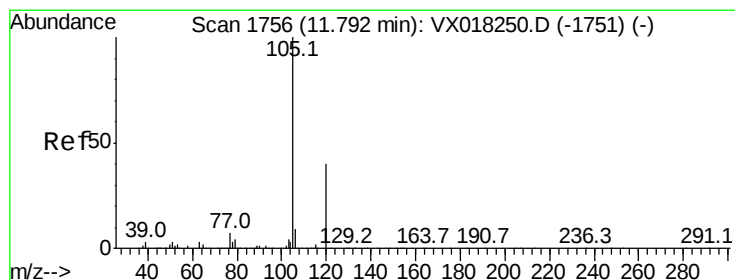
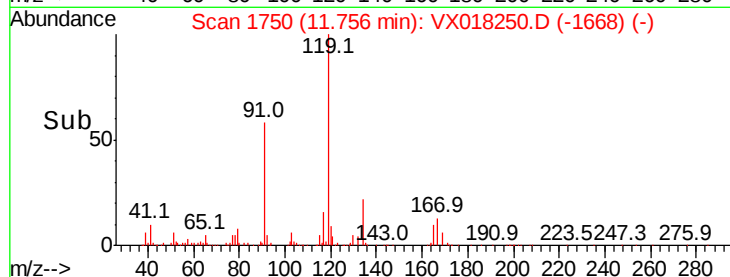
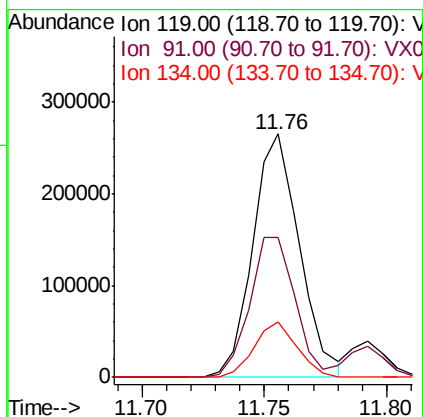
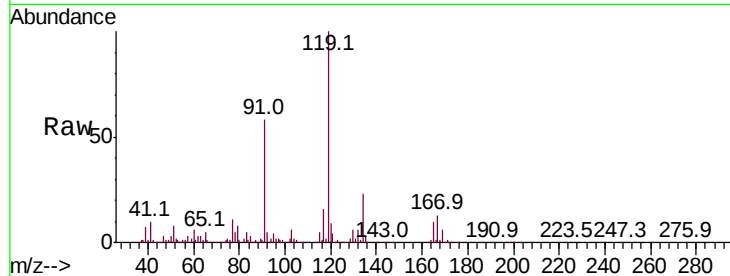
#79
tert-butylbenzene
Concen: 21.022 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	350144		
91	55.9	0.0	111.8	
134	21.2	0.0	42.4	

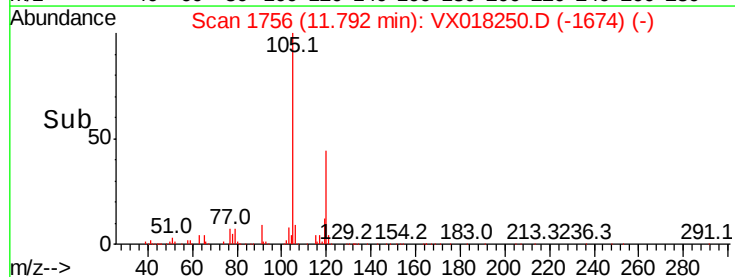
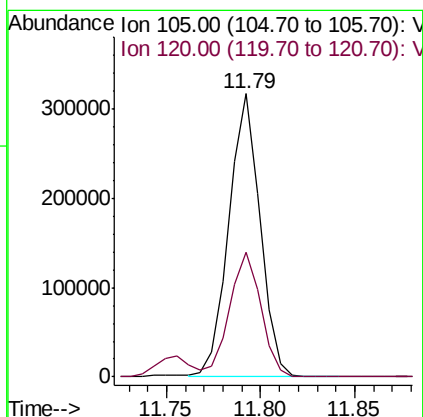
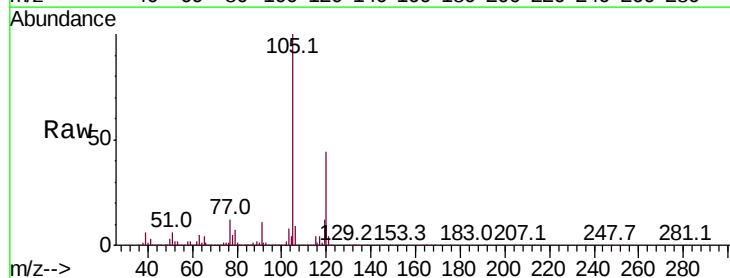
Manual Integrations
APPROVED

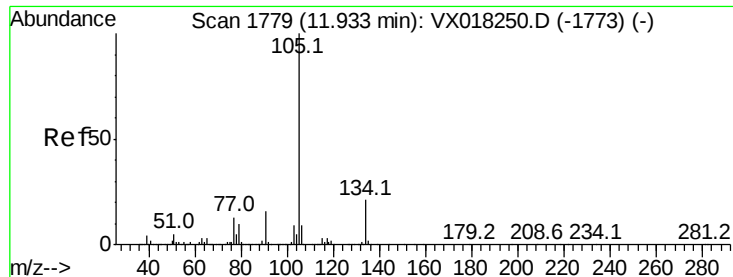
MMDadoda
9/8/2020 5:16:47 PM



#80
1,2,4-Trimethylbenzene
Concen: 20.586 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	363223		
120	44.6	0.0	89.2	





#81

sec-Butylbenzene

Concen: 20.396 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:105 Resp: 403260

Ion Ratio Lower Upper

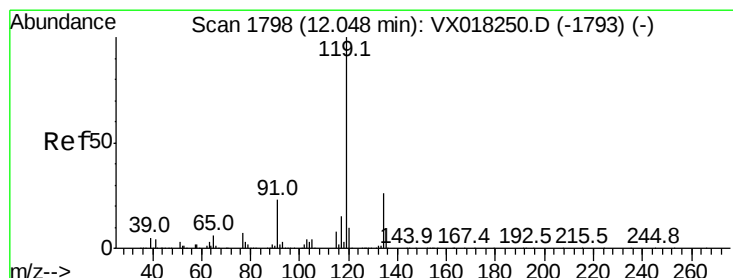
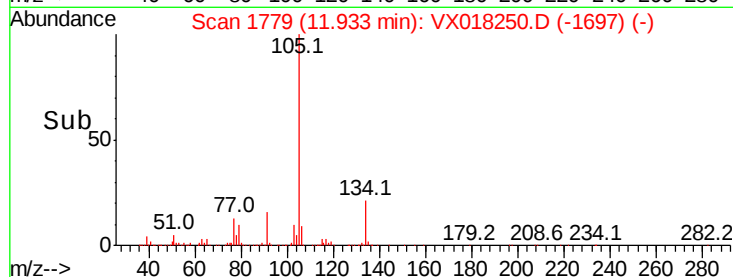
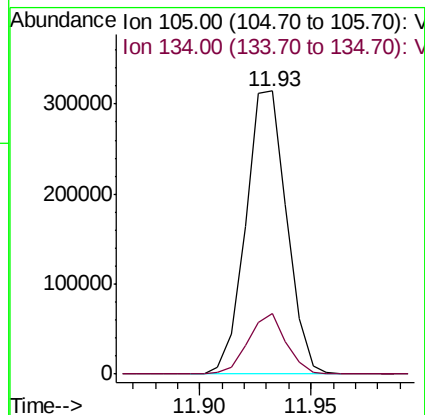
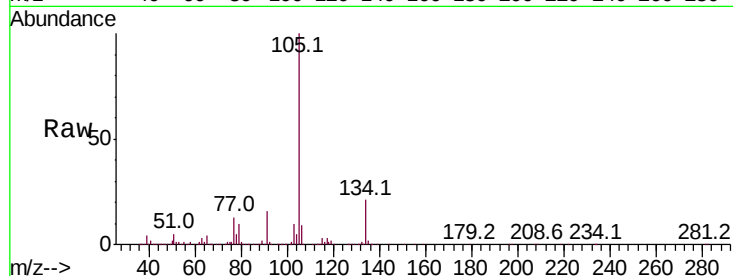
105 100

134 20.0 0.0 40.0

Manual Integrations
APPROVED

MMDadoda

9/8/2020 5:16:47 PM



#82

p-Isopropyltoluene

Concen: 20.827 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

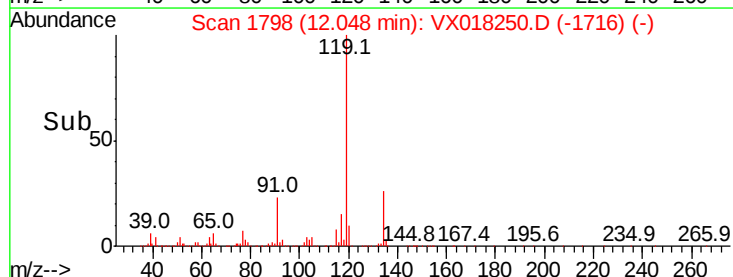
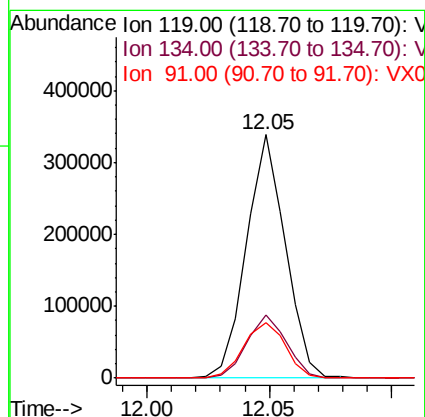
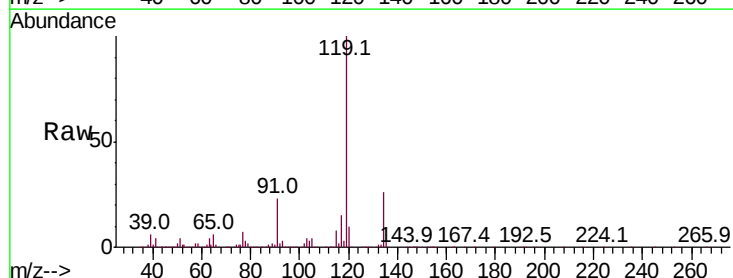
Tgt Ion:119 Resp: 375942

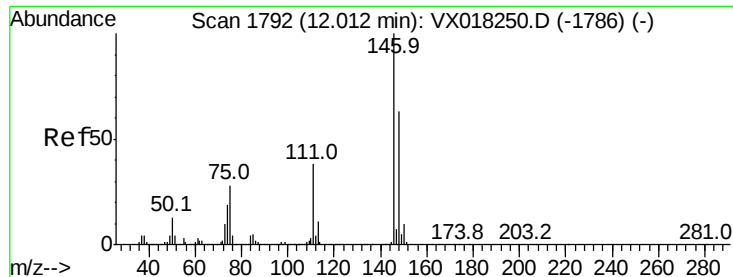
Ion Ratio Lower Upper

119 100

134 26.5 0.0 53.0

91 24.9 0.0 49.8





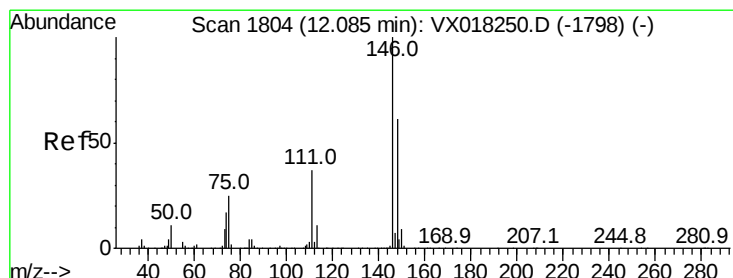
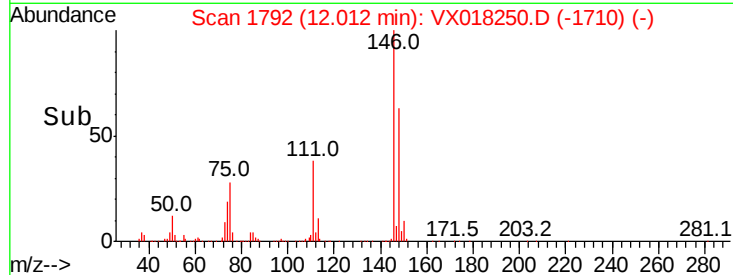
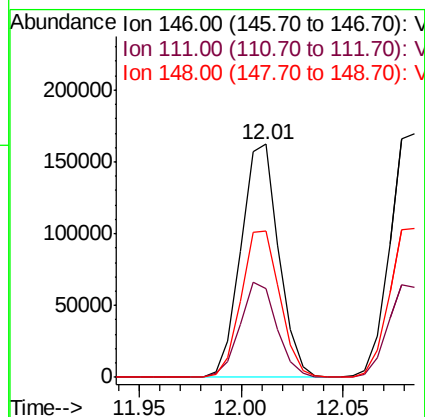
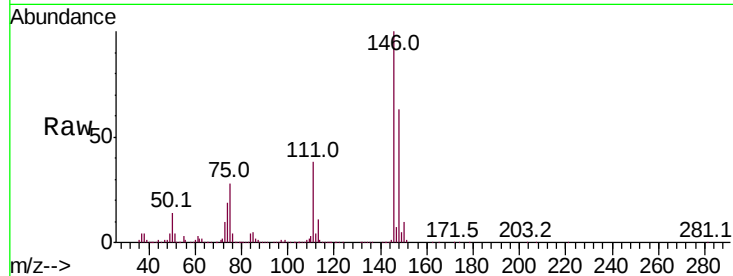
#83
 1,3-Dichlorobenzene
 Concen: 21.255 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX018250.D
 Acq: 04 Sep 2020 10:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	208450		
111	39.9	20.0	59.9	
148	64.2	32.1	96.3	

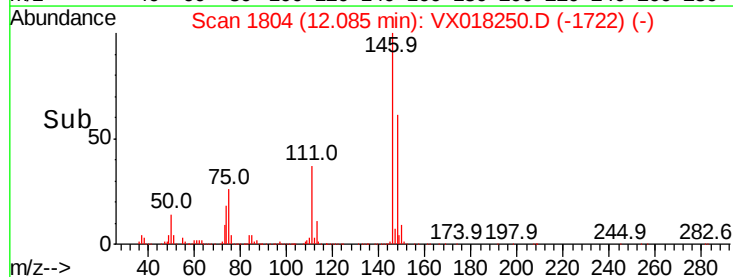
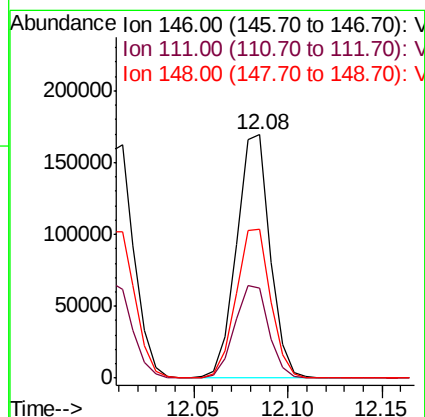
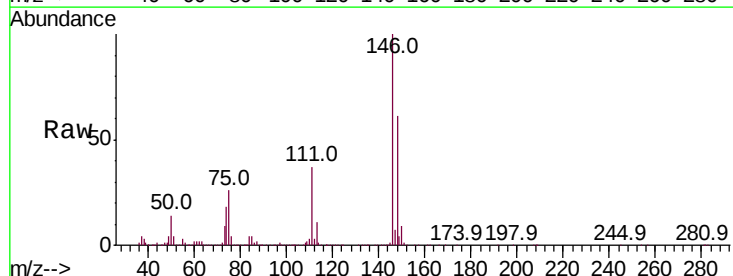
Manual Integrations
 APPROVED

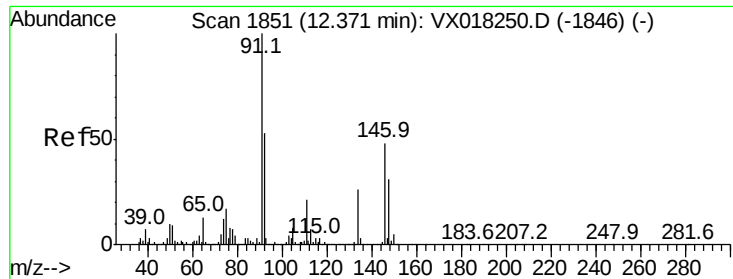
MMDadoda
 9/8/2020 5:16:47 PM



#84
 1,4-Dichlorobenzene
 Concen: 21.530 ug/l
 RT: 12.08 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VX018250.D
 Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	209582		
111	38.5	19.3	57.8	
148	63.4	31.7	95.1	





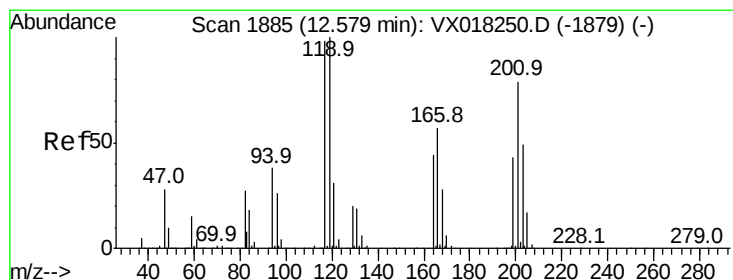
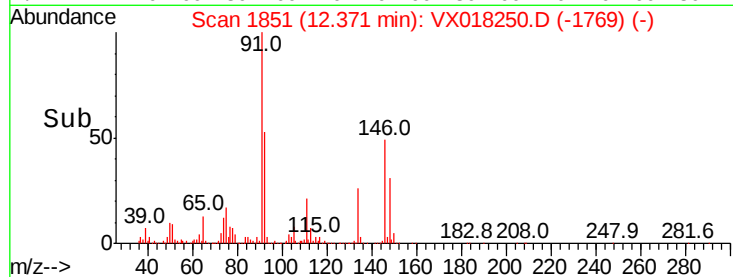
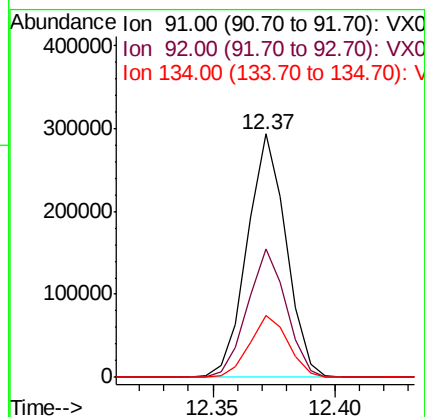
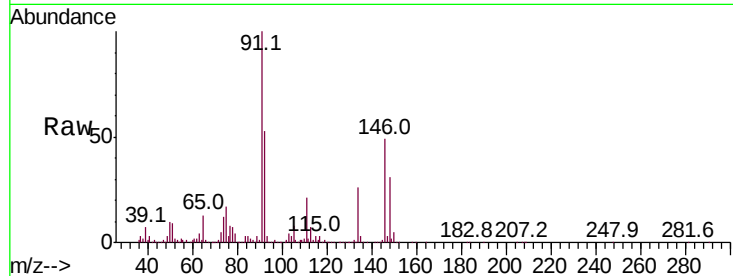
#85
n-Butylbenzene
Concen: 18.987 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.5	0.0	105.0	
134	25.5	0.0	51.0	

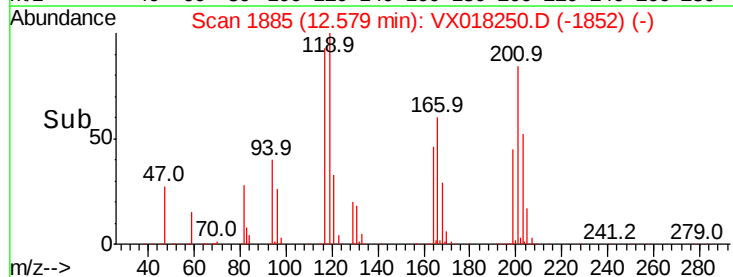
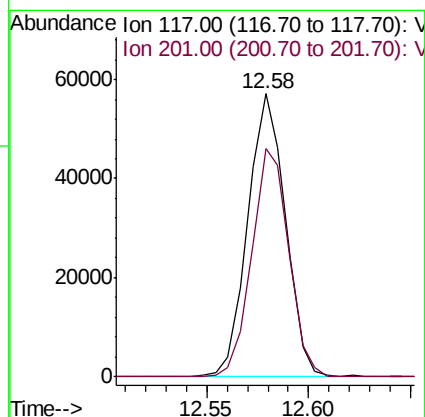
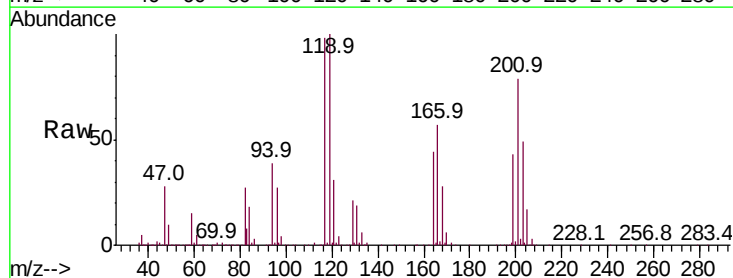
Manual Integrations
APPROVED

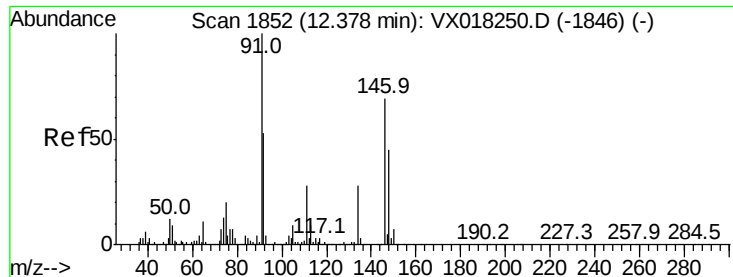
MMDadoda
9/8/2020 5:16:47 PM



#86
Hexachloroethane
Concen: 19.254 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	79.2	39.6	118.8	





#87

1,2-Dichlorobenzene

Concen: 20.032 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Instrument :

MSVOA_X

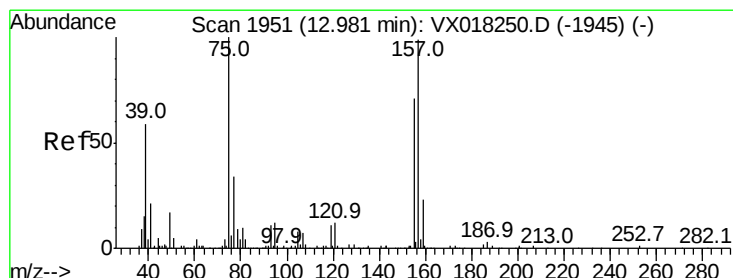
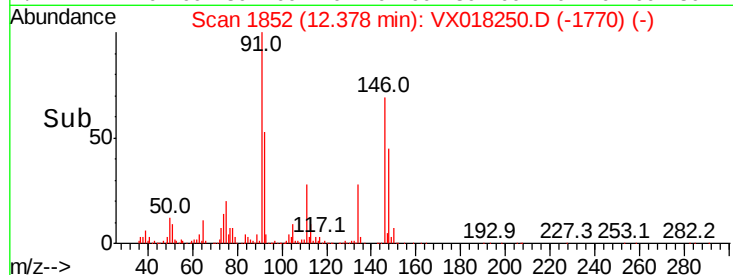
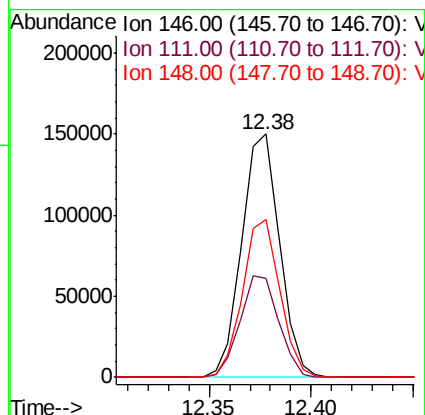
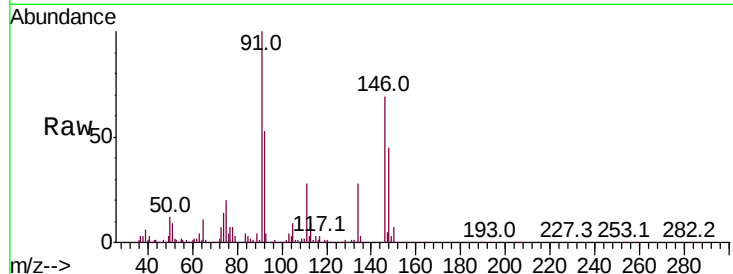
ClientSampleId :

VSTDICCC020

Tot Ion:	146	Resp:	193519
Ion Ratio	Lower	Upper	
146	100		
111	42.9	21.4	64.3
148	64.1	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
9/8/2020 5:16:47 PM



#88

1,2-Dibromo-3-Chloropropane

Concen: 20.538 ug/l

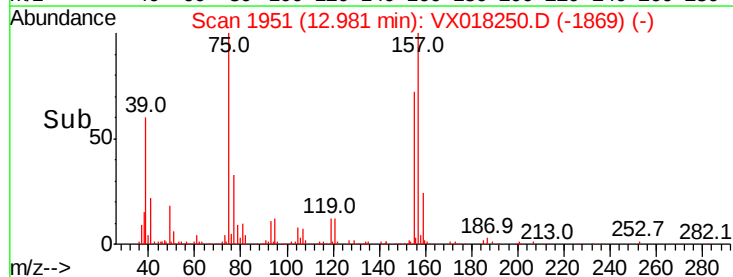
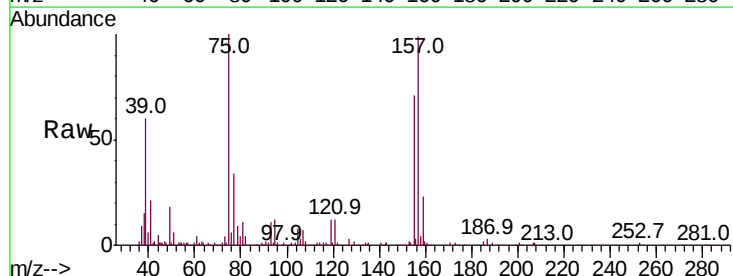
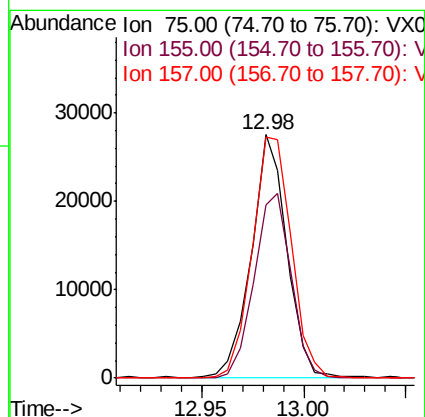
RT: 12.98 min Scan# 1951

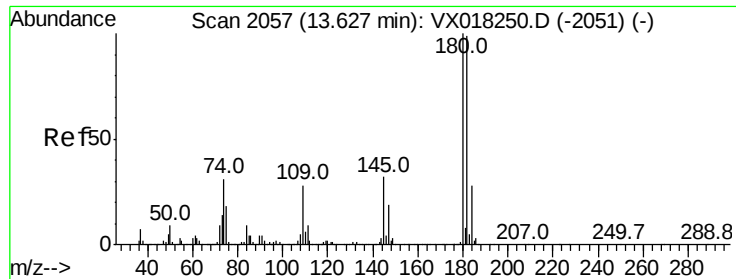
Delta R.T. 0.00 min

Lab File: VX018250.D

Acq: 04 Sep 2020 10:40

Tgt Ion:	75	Resp:	33273
Ion Ratio	Lower	Upper	
75	100		
155	79.3	63.4	95.2
157	108.8	87.0	130.6





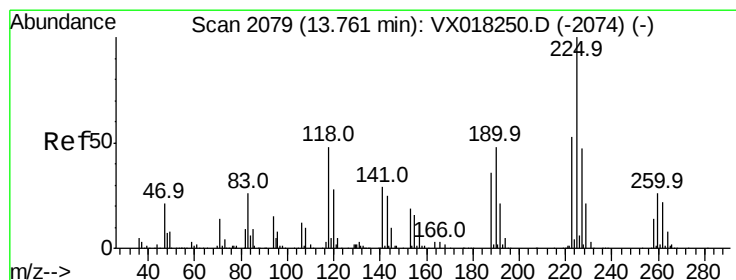
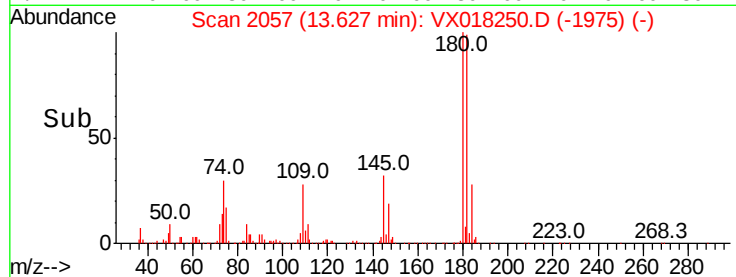
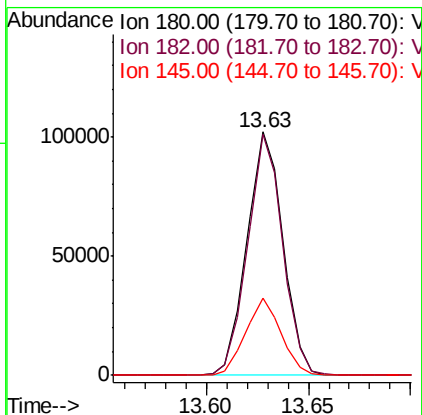
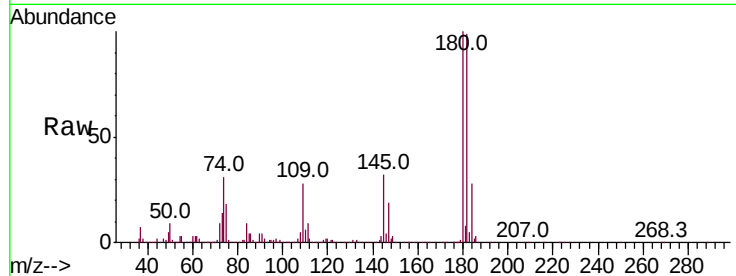
#89
 1,2,4-Trichlorobenzene
 Concen: 18.765 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018250.D
 Acq: 04 Sep 2020 10:40

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	125284		
182	96.4	77.1	115.7	
145	31.3	25.0	37.6	

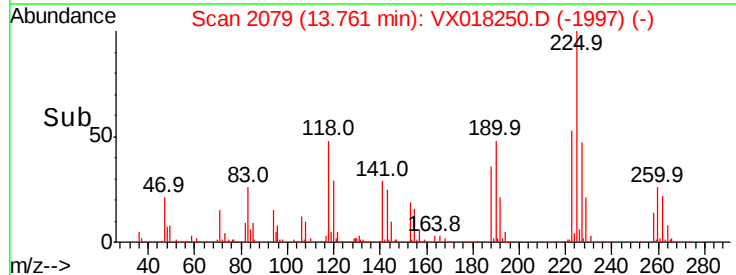
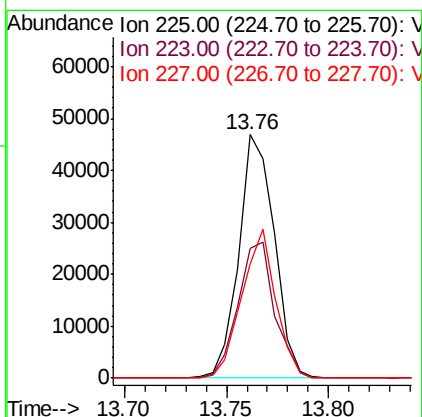
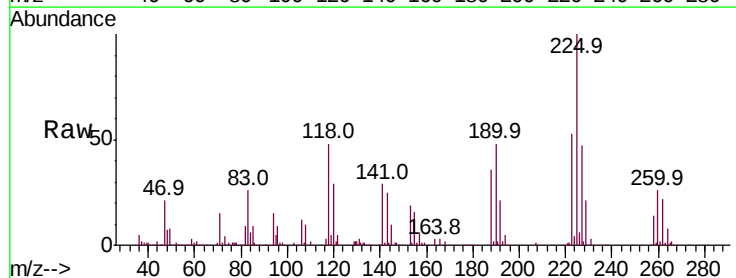
Manual Integrations
 APPROVED

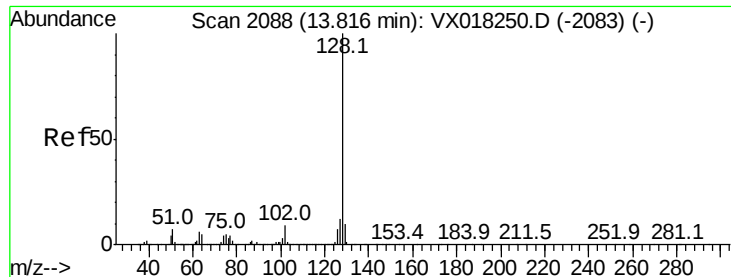
MMDadoda
 9/8/2020 5:16:47 PM



#90
 Hexachlorobutadiene
 Concen: 18.530 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX018250.D
 Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56642		
223	57.9	0.0	115.8	
227	58.5	0.0	117.0	





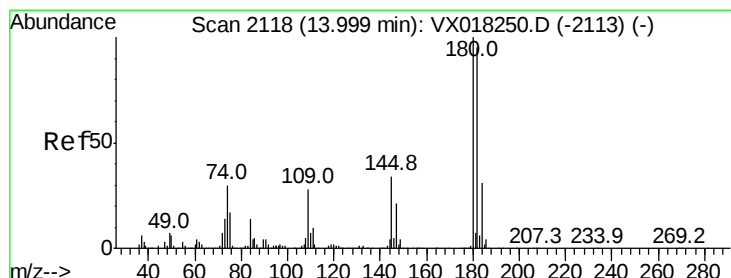
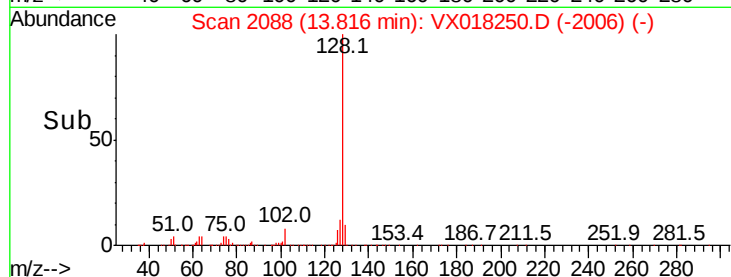
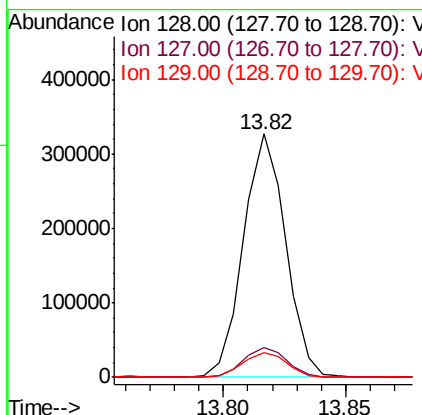
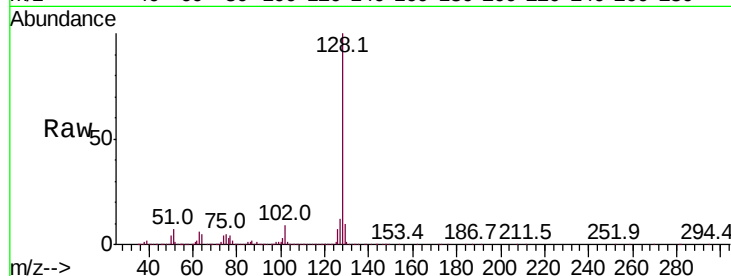
#91
Naphthalene
Concen: 19.686 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	391182		
127	12.8	10.2	15.4	
129	10.9	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
9/8/2020 5:16:47 PM



#92
1,2,3-Trichlorobenzene
Concen: 19.340 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX018250.D
Acq: 04 Sep 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	124619		
182	95.8	0.0	191.6	
145	33.7	0.0	67.4	

