

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091120\
 Data File : VX018362.D
 Acq On : 11 Sep 2020 15:27
 Operator : JC/SP
 Sample : VX0911WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/14/2020 12:09:57 PM

Quant Time: Sep 12 07:04:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	412109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	634092	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	594798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	321089	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	283579	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
35) Dibromofluoromethane	5.46	113	217522	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
50) Toluene-d8	8.70	98	742537	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
62) 4-Bromofluorobenzene	11.12	95	293603	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	86038	17.148	ug/l	99
3) Chloromethane	1.31	50	79558	15.040	ug/l	98
4) Vinyl Chloride	1.39	62	84091	15.969	ug/l	92
5) Bromomethane	1.64	94	57958	22.819	ug/l	95
6) Chloroethane	1.71	64	51864	18.338	ug/l	97
7) Trichlorofluoromethane	1.92	101	147439	20.534	ug/l	97
8) Diethyl Ether	2.17	74	48392	19.873	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	74269	19.132	ug/l	97
10) Methyl Iodide	2.49	142	72681	20.936	ug/l	97
11) Tert butyl alcohol	3.00	59	89343	80.316	ug/l	99
12) 1,1-Dichloroethene	2.36	96	70488	17.502	ug/l	98
13) Acrolein	2.27	56	51048	110.674	ug/l	99
14) Allyl chloride	2.71	41	126824	17.528	ug/l	94
15) Acrylonitrile	3.12	53	225258	89.270	ug/l	98
16) Acetone	2.42	43	211794	95.005	ug/l	93
17) Carbon Disulfide	2.55	76	183571	15.078	ug/l	99
18) Methyl Acetate	2.75	43	117694	21.878	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	267080	19.337	ug/l	97
20) Methylene Chloride	2.84	84	90025	19.027	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	77980	17.477	ug/l	96
22) Diisopropyl ether	3.82	45	261308	18.298	ug/l	91
23) Vinyl Acetate	3.78	43	1145181	90.120	ug/l	100
24) 1,1-Dichloroethane	3.67	63	148528	18.271	ug/l	99
25) 2-Butanone	4.64	43	313120	85.464	ug/l	99
26) 2,2-Dichloropropane	4.55	77	131191	19.834	ug/l	98
27) cis-1,2-Dichloroethene	4.56	96	89486	17.407	ug/l	98
28) Bromochloromethane	4.98	49	75009	19.116	ug/l	97
29) Tetrahydrofuran	5.09	42	194225	83.277	ug/l	97
30) Chloroform	5.17	83	161045	19.132	ug/l	99
31) Cyclohexane	5.55	56	112106	16.371	ug/l	93
32) 1,1,1-Trichloroethane	5.46	97	147072	19.039	ug/l	99
36) 1,1-Dichloropropene	5.77	75	107217	18.332	ug/l	98
37) Ethyl Acetate	4.79	43	117529	17.302	ug/l	97
38) Carbon Tetrachloride	5.75	117	134048	20.338	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091120\
 Data File : VX018362.D
 Acq On : 11 Sep 2020 15:27
 Operator : JC/SP
 Sample : VX0911WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0911WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/14/2020 12:09:57 PM

Quant Time: Sep 12 07:04:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	114641	17.926	ug/l	98
40) Benzene	6.11	78	311754	18.141	ug/l	99
41) Methacrylonitrile	5.00	41	66788	17.907	ug/l	97
42) 1,2-Dichloroethane	6.16	62	135657	20.603	ug/l	99
43) Isopropyl Acetate	6.41	43	200719	18.295	ug/l	100
44) Trichloroethene	7.18	130	93109	19.175	ug/l	100
45) 1,2-Dichloropropane	7.49	63	87485	18.888	ug/l	91
46) Dibromomethane	7.63	93	61993	19.033	ug/l	99
47) Bromodichloromethane	7.87	83	131013	20.145	ug/l	99
48) Methyl methacrylate	7.74	41	98291	17.996	ug/l	97
49) 1,4-Dioxane	7.71	88	29948	302.707	ug/l	95
51) 4-Methyl-2-Pentanone	8.62	43	628493	92.737	ug/l	100
52) Toluene	8.76	92	204402	18.757	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	137915	19.134	ug/l	94
54) cis-1,3-Dichloropropene	8.41	75	146175	19.144	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	87576	18.844	ug/l	97
56) Ethyl methacrylate	9.16	69	123675	17.900	ug/l	97
57) 1,3-Dichloropropane	9.35	76	141449	18.453	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	300432	96.664	ug/l	98
59) 2-Hexanone	9.47	43	472679	91.724	ug/l	98
60) Dibromochloromethane	9.57	129	108423	19.887	ug/l	100
61) 1,2-Dibromoethane	9.65	107	98494	19.520	ug/l	96
64) Tetrachloroethene	9.32	164	87487	20.016	ug/l	98
65) Chlorobenzene	10.12	112	224946	18.936	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	93307	19.929	ug/l	99
67) Ethyl Benzene	10.24	91	385407	19.078	ug/l	99
68) m/p-Xylenes	10.34	106	297928	39.511	ug/l	98
69) o-Xylene	10.68	106	138280	18.918	ug/l	99
70) Styrene	10.70	104	241225	19.378	ug/l	98
71) Bromoform	10.84	173	83026	20.790	ug/l #	100
73) Isopropylbenzene	11.00	105	384965	18.176	ug/l	100
74) N-amyl acetate	10.88	43	165956	16.515	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	131790	17.639	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	125840m	17.618	ug/l	
77) Bromobenzene	11.24	156	103384	17.659	ug/l	98
78) n-propylbenzene	11.34	91	442969	18.420	ug/l	99
79) 2-Chlorotoluene	11.40	91	275842	18.566	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	334306	19.208	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	45197	17.090	ug/l	94
82) 4-Chlorotoluene	11.49	91	319063	18.064	ug/l	100
83) tert-Butylbenzene	11.76	119	323083	18.810	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	334081	18.775	ug/l	99
85) sec-Butylbenzene	11.93	105	367843	18.833	ug/l	99
86) p-Isopropyltoluene	12.05	119	353529	19.705	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	193778	18.852	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	196458	19.089	ug/l	97
89) n-Butylbenzene	12.37	91	296038	18.078	ug/l	99
90) Hexachloroethane	12.58	117	69559	19.706	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	185129	19.134	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	32371	17.328	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091120\
Data File : VX018362.D
Acq On : 11 Sep 2020 15:27
Operator : JC/SP
Sample : VX0911WBSD02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD02

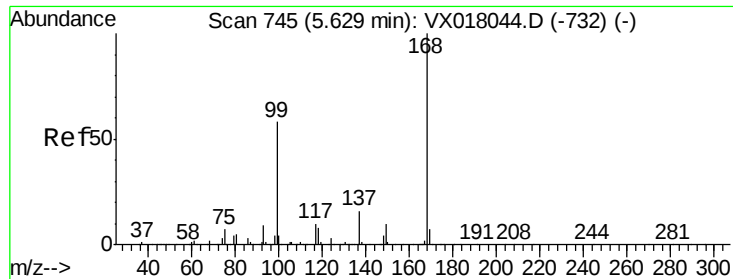
Manual Integrations
APPROVED

MMDadoda
9/14/2020 12:09:57 PM

Quant Time: Sep 12 07:04:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	118644	18.389	ug/l	97
94) Hexachlorobutadiene	13.76	225	53027	20.837	ug/l	97
95) Naphthalene	13.82	128	380937	17.940	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	118225	18.545	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD02

Tot Ion:168 Resp: 412109

Ion Ratio Lower Upper

168 100

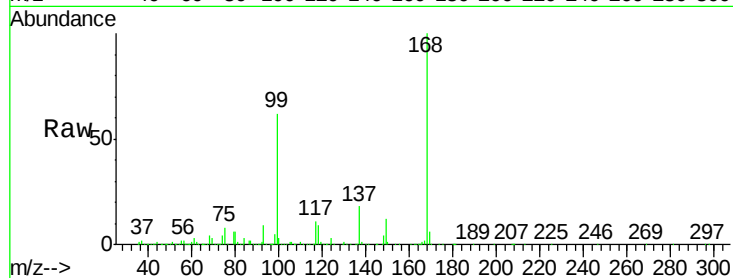
99 61.6 46.3 69.5

Manual Integrations

APPROVED

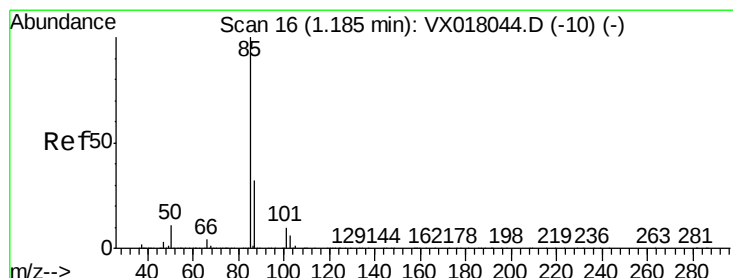
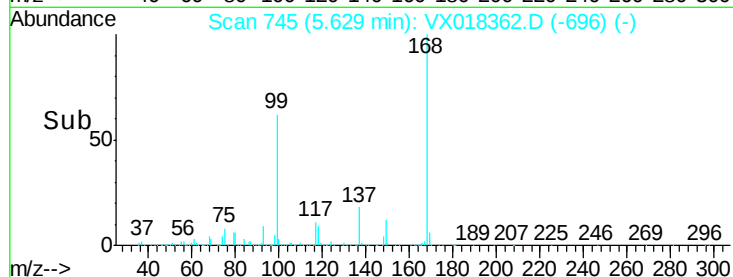
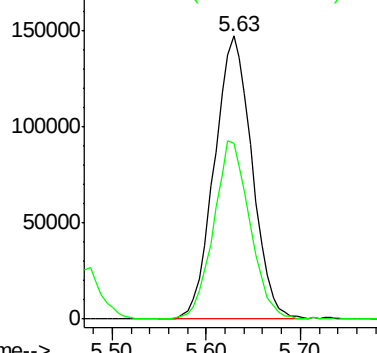
MMDadoda

9/14/2020 12:09:57 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.148 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX018362.D

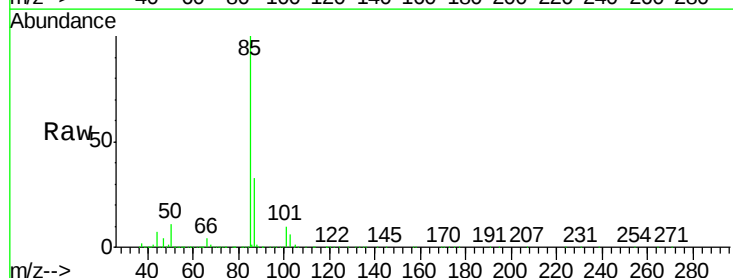
Acq: 11 Sep 2020 15:27

Tgt Ion: 85 Resp: 86038

Ion Ratio Lower Upper

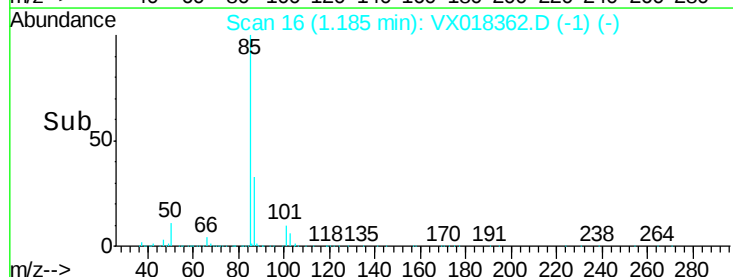
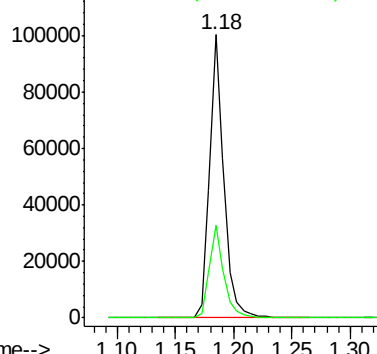
85 100

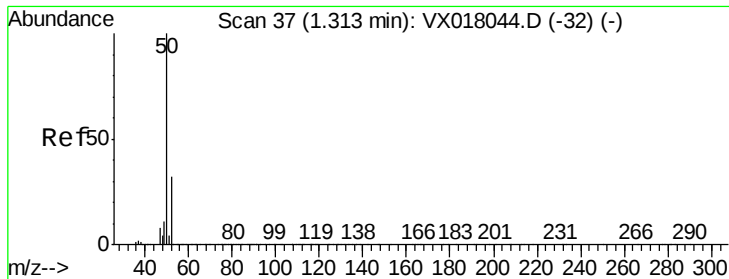
87 32.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 15.040 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD02

Tot Ion: 50 Resp: 79558

Ion Ratio Lower Upper

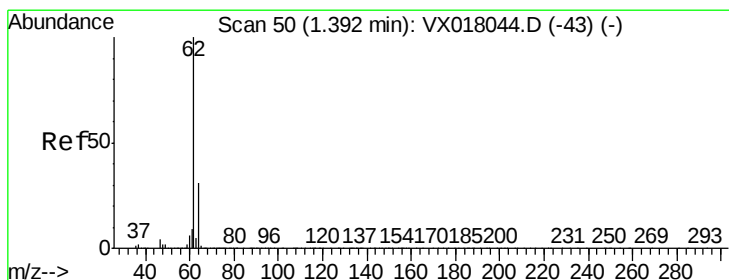
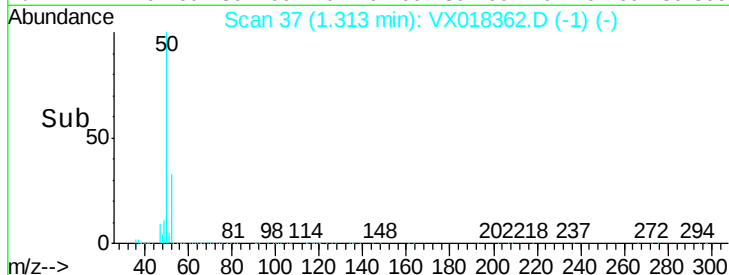
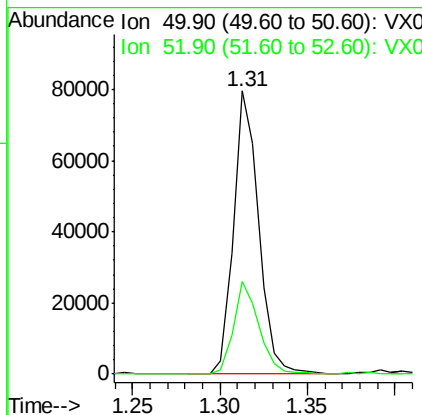
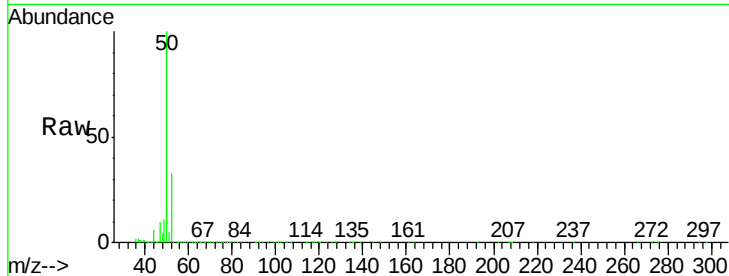
50 100

52 32.7 25.4 38.2

Manual Integrations
APPROVED

MMDadoda

9/14/2020 12:09:57 PM



#4

Vinyl Chloride

Concen: 15.969 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX018362.D

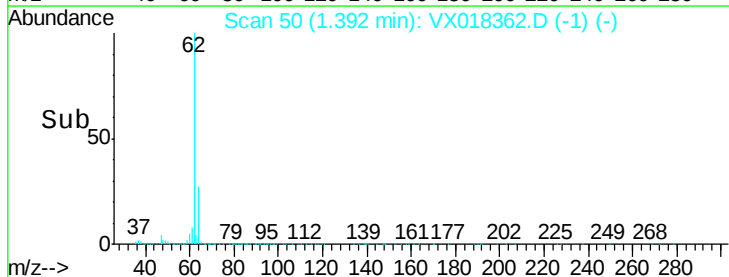
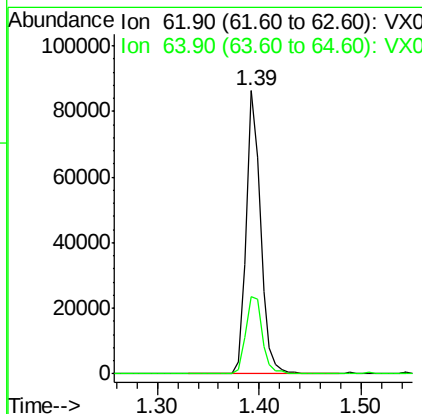
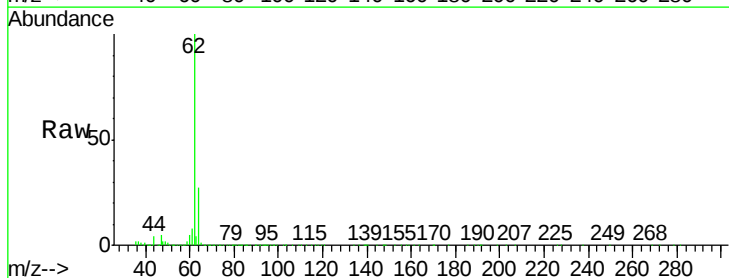
Acq: 11 Sep 2020 15:27

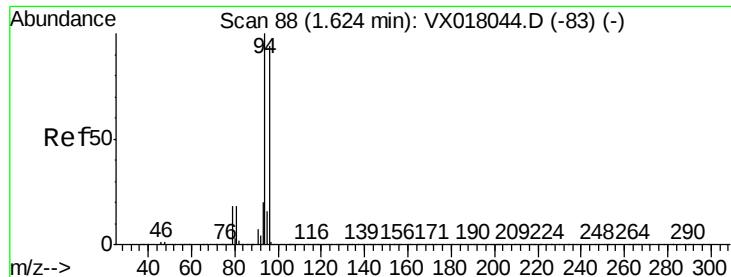
Tgt Ion: 62 Resp: 84091

Ion Ratio Lower Upper

62 100

64 27.2 25.1 37.7





#5

Bromomethane

Concen: 22.819 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD02

Tot Ion: 94 Resp: 57958

Ion Ratio Lower Upper

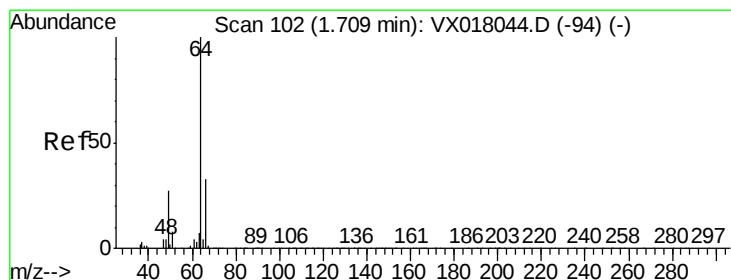
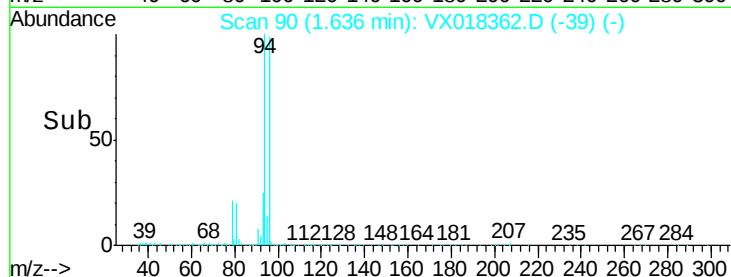
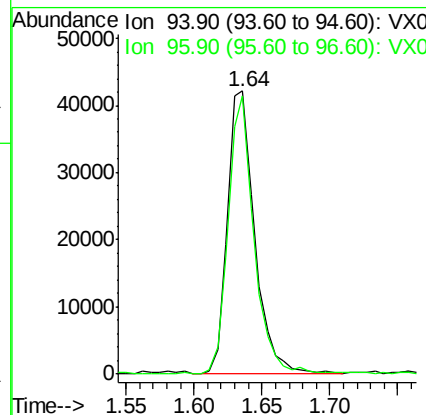
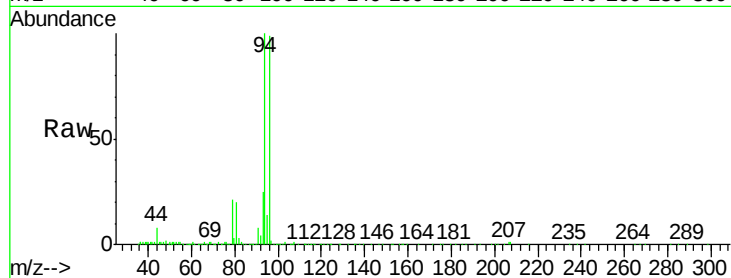
94 100

96 98.6 74.8 112.2

Manual Integrations
APPROVED

MMDadoda

9/14/2020 12:09:57 PM



#6

Chloroethane

Concen: 18.338 ug/l

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX018362.D

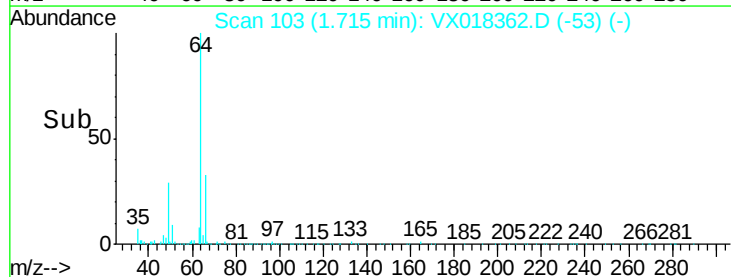
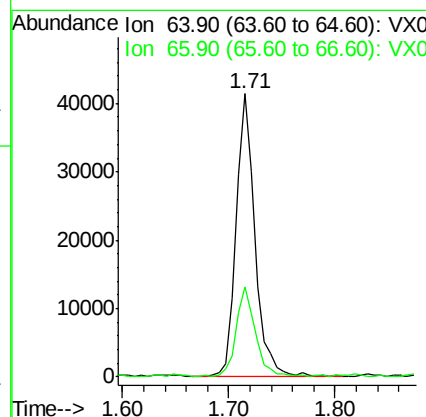
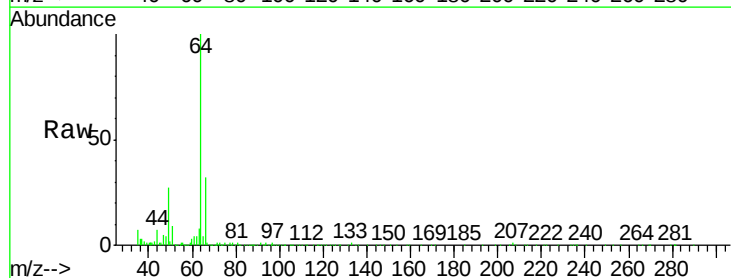
Acq: 11 Sep 2020 15:27

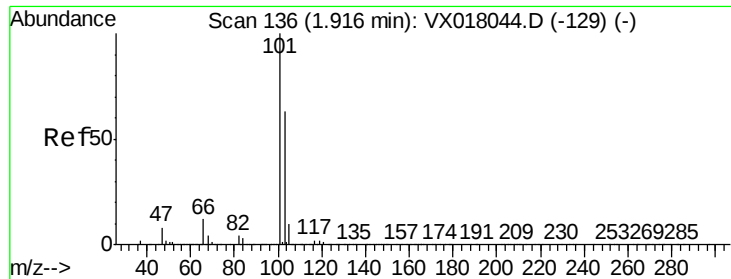
Tgt Ion: 64 Resp: 51864

Ion Ratio Lower Upper

64 100

66 31.4 26.6 39.8





#7

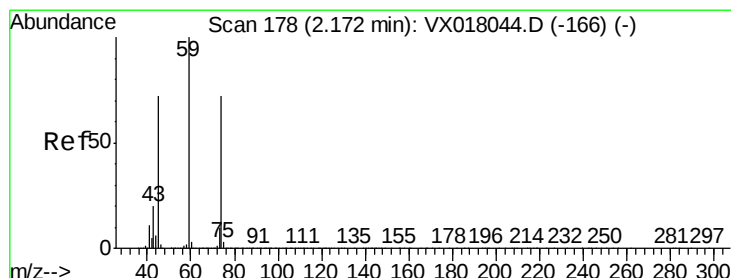
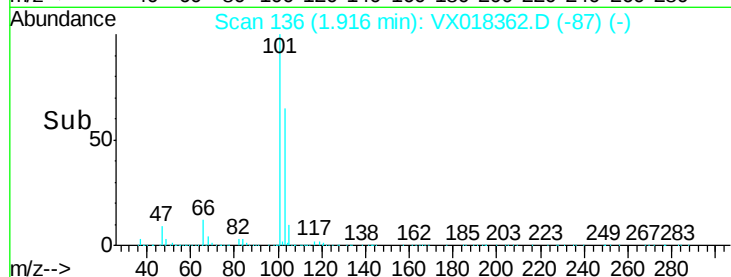
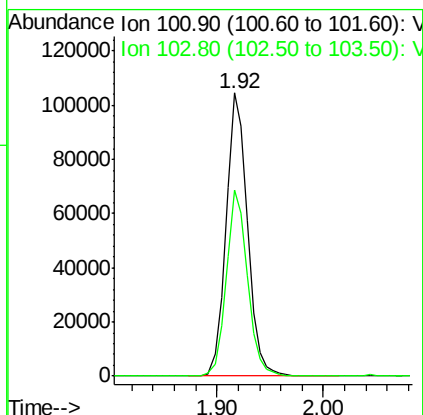
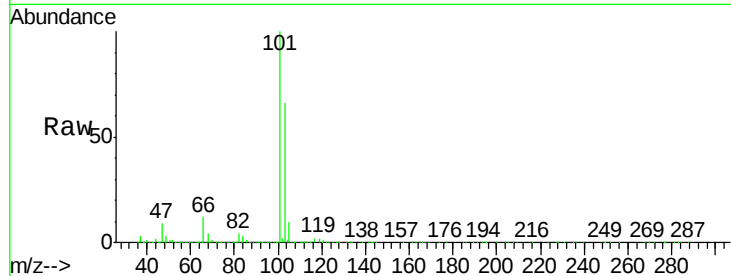
Trichlorofluoromethane
Concen: 20.534 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	50.7	76.1

Manual Integrations
APPROVED

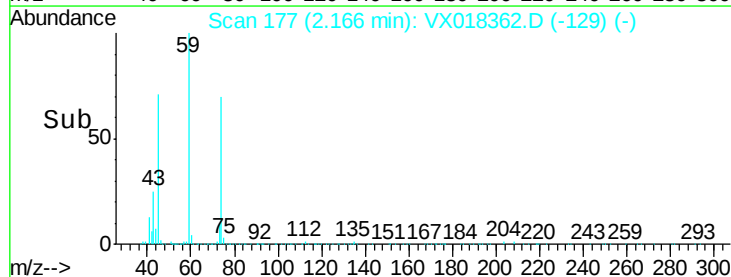
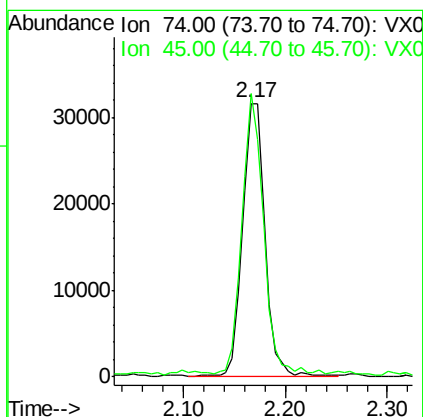
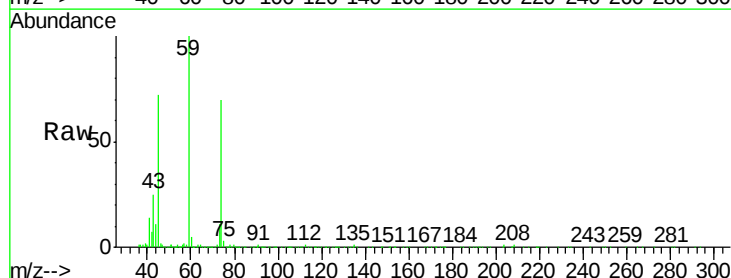
MMDadoda
9/14/2020 12:09:57 PM

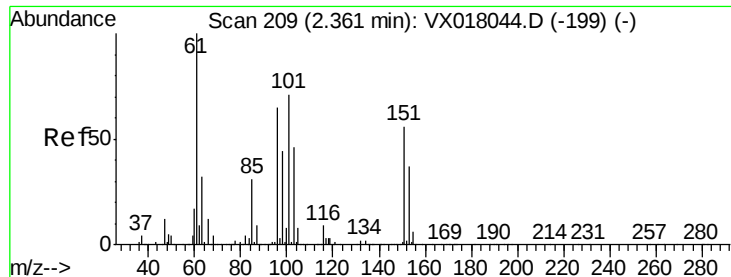


#8

Diethyl Ether
Concen: 19.873 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.01 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	50.7	152.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.132 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

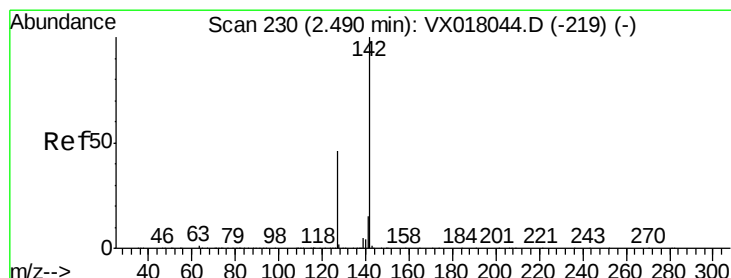
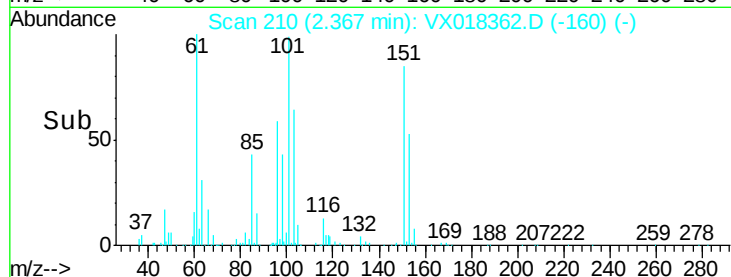
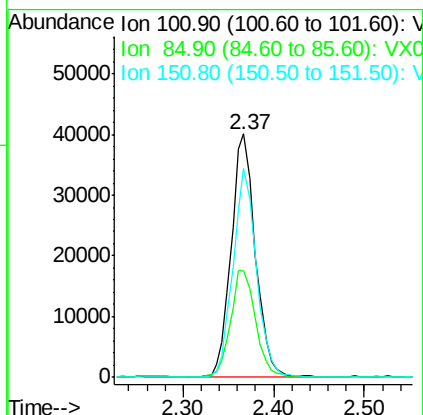
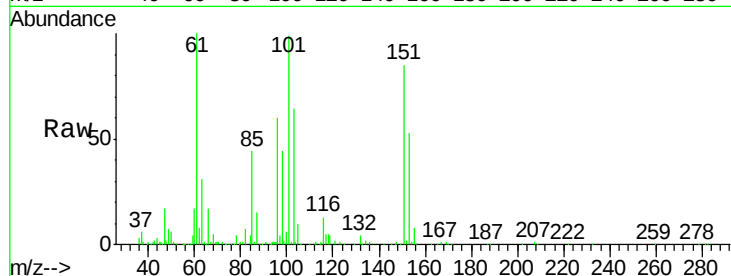
ClientSampleId :

VX0911WBSD02

Tot Ion:	101	Resp:	74269
Ion Ratio	Lower	Upper	
101	100		
85	45.7	34.0	51.0
151	82.9	65.2	97.8

Manual Integrations
APPROVED

MMDadoda
9/14/2020 12:09:57 PM



#10

Methyl Iodide

Concen: 20.936 ug/l

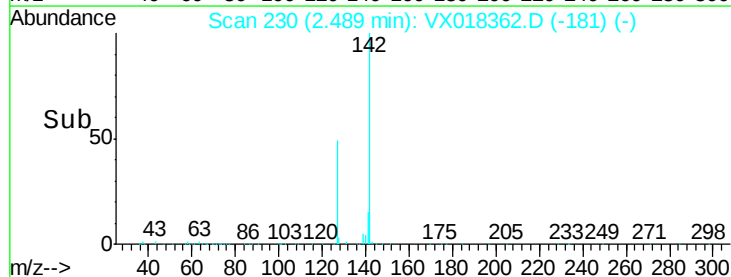
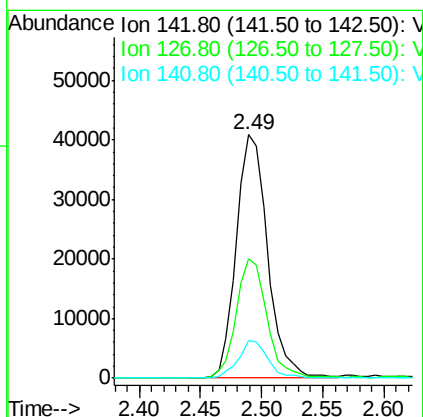
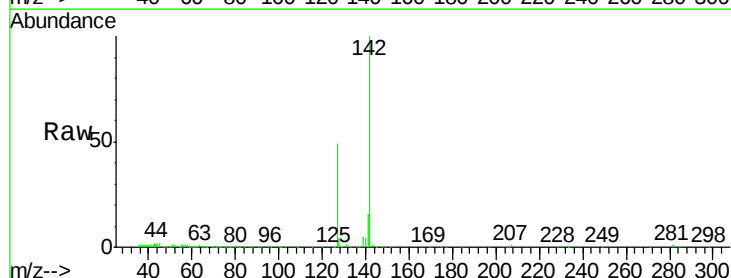
RT: 2.49 min Scan# 230

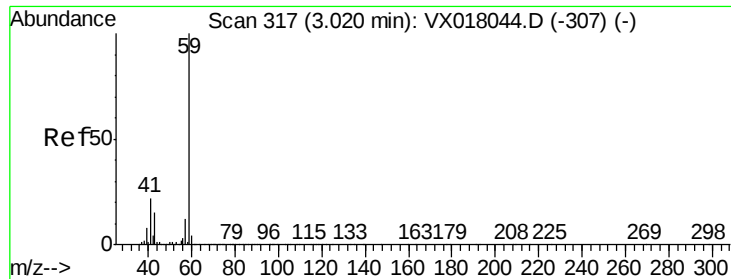
Delta R.T. 0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Tgt Ion:	142	Resp:	72681
Ion Ratio	Lower	Upper	
142	100		
127	48.3	37.0	55.6
141	15.0	11.5	17.3





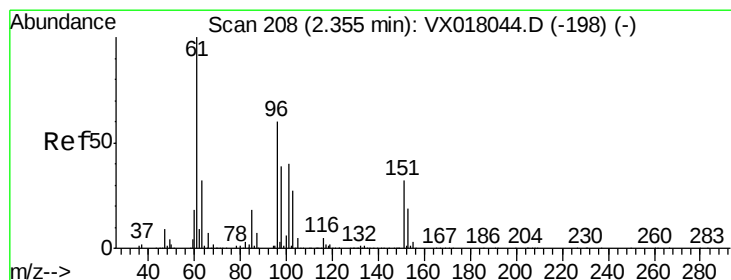
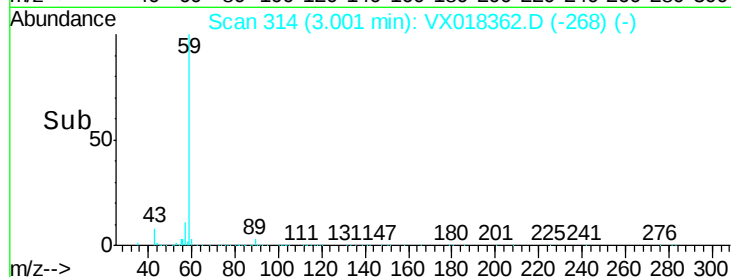
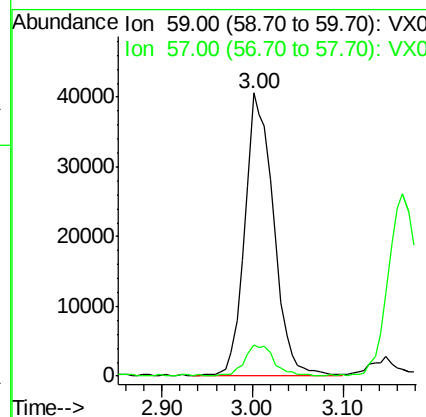
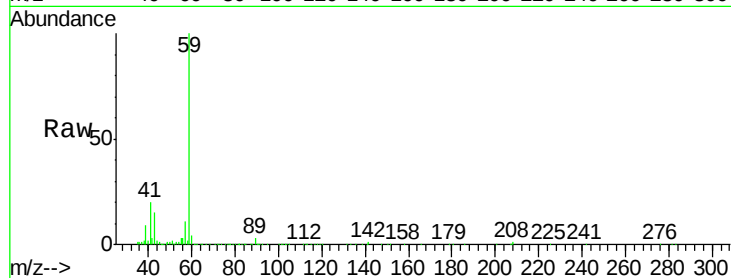
#11
Tert butyl alcohol
Concen: 80.316 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD02

Tot Ion: 59 Resp: 89343
Ion Ratio Lower Upper
59 100
57 11.4 8.9 13.3

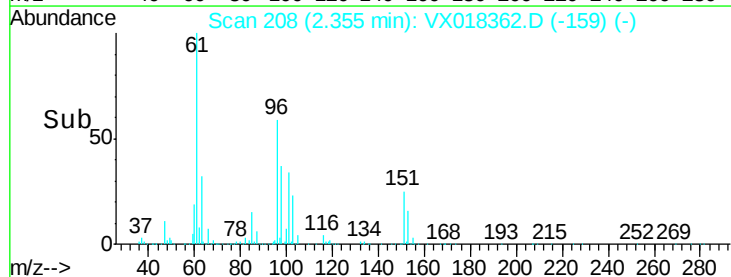
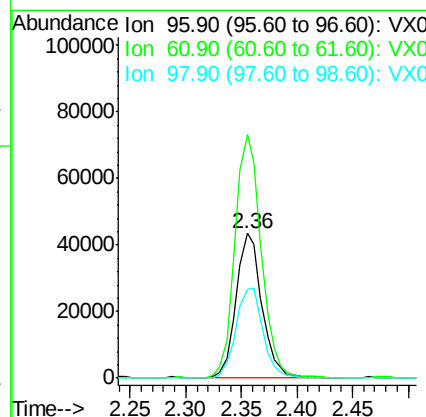
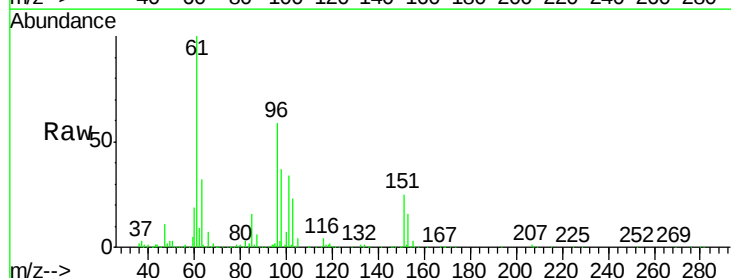
Manual Integrations
APPROVED

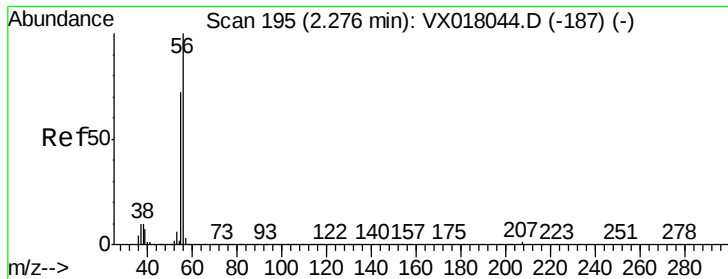
MMDadoda
9/14/2020 12:09:57 PM



#12
1,1-Dichloroethene
Concen: 17.502 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Tgt Ion: 96 Resp: 70488
Ion Ratio Lower Upper
96 100
61 168.1 133.0 199.4
98 61.7 51.6 77.4





#13

Acrolein

Concen: 110.674 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD02

Tot Ion: 56 Resp: 51048

Ion Ratio Lower Upper

56 100

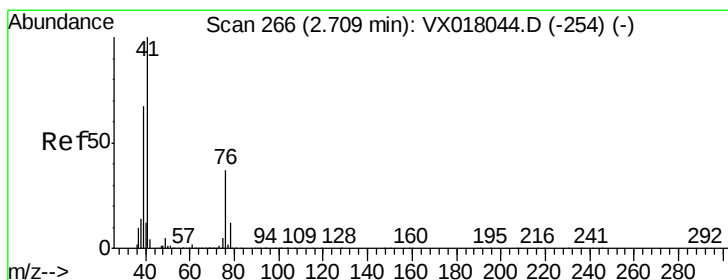
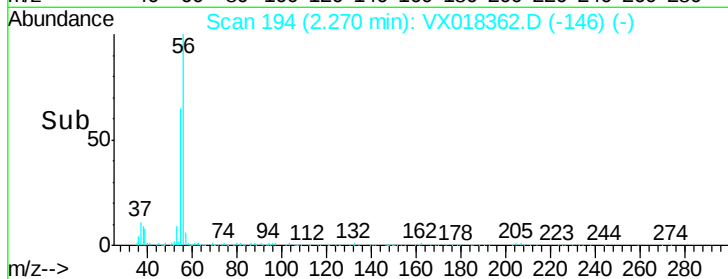
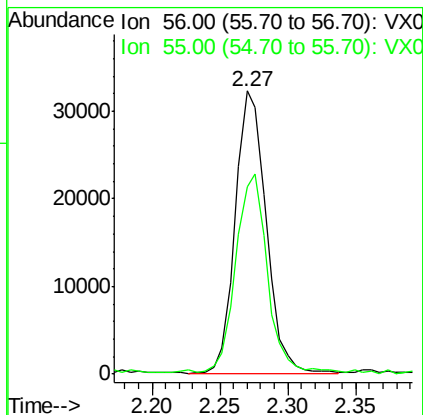
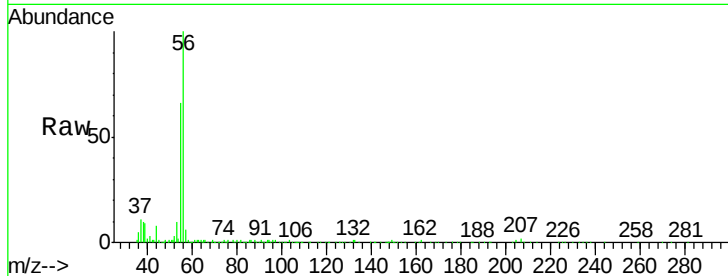
55 72.3 57.0 85.6

Manual Integrations

APPROVED

MMDadoda

9/14/2020 12:09:57 PM



#14

Allyl chloride

Concen: 17.528 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

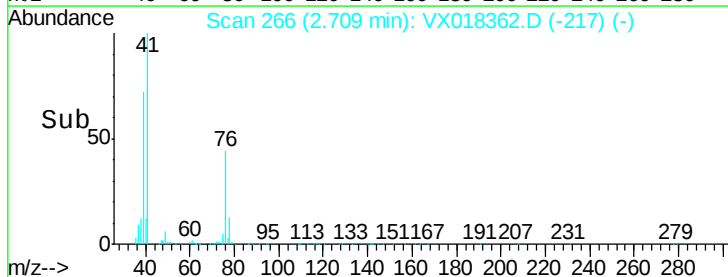
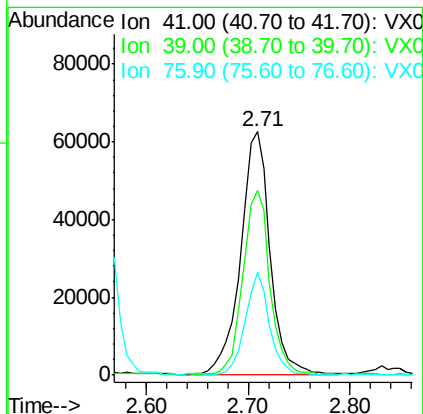
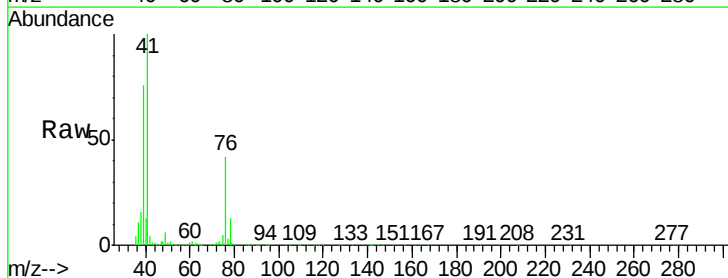
Tgt Ion: 41 Resp: 126824

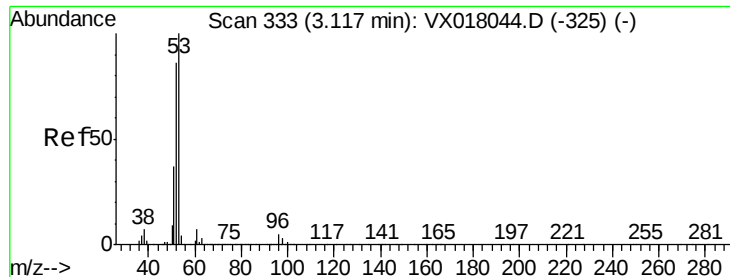
Ion Ratio Lower Upper

41 100

39 69.4 50.6 76.0

76 34.4 26.2 39.2





#15

Acrylonitrile

Concen: 89.270 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

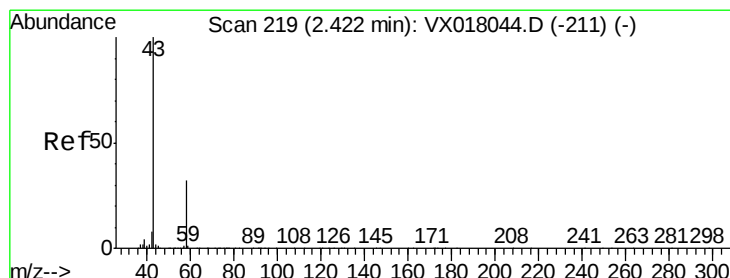
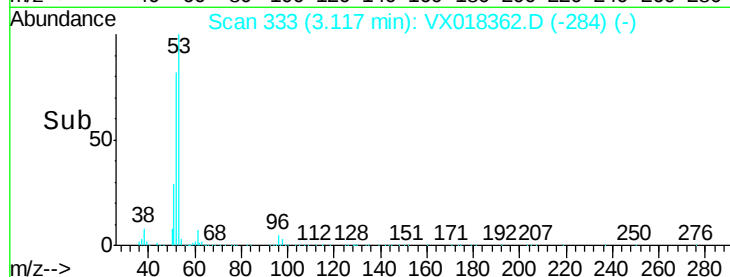
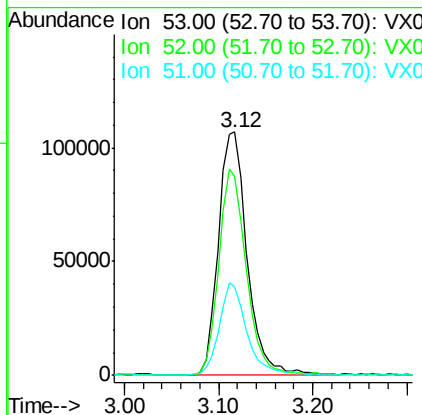
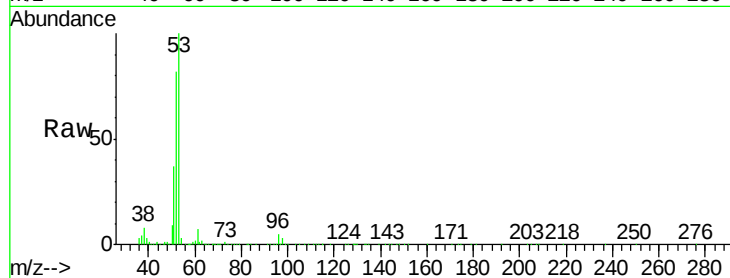
ClientSampleId :

VX0911WBSD02

Tot Ion:	53	Resp:	225258
Ion Ratio		Lower	Upper
53	100		
52	81.8	66.9	100.3
51	37.4	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
9/14/2020 12:09:57 PM



#16

Acetone

Concen: 95.005 ug/l

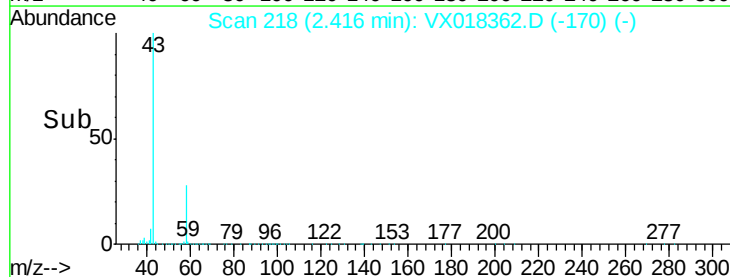
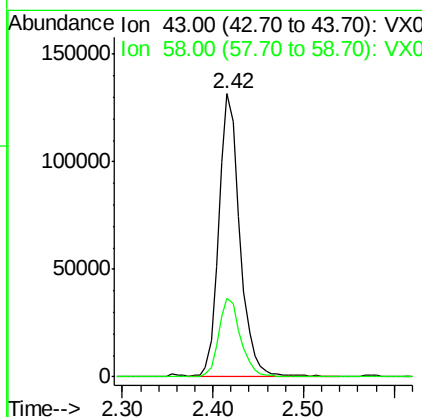
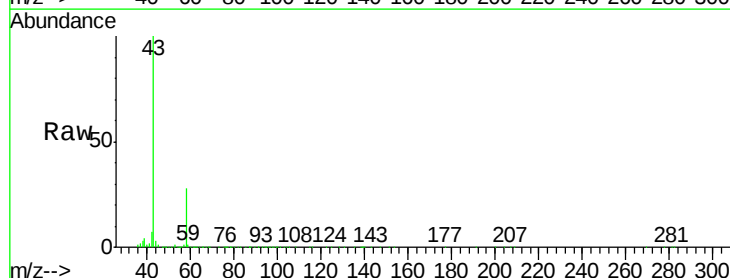
RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Tgt Ion:	43	Resp:	211794
Ion Ratio		Lower	Upper
43	100		
58	27.7	25.5	38.3





#17

Carbon Disulfide

Concen: 15.078 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD02

Tot Ion: 76 Resp: 183571

Ion Ratio Lower Upper

76 100

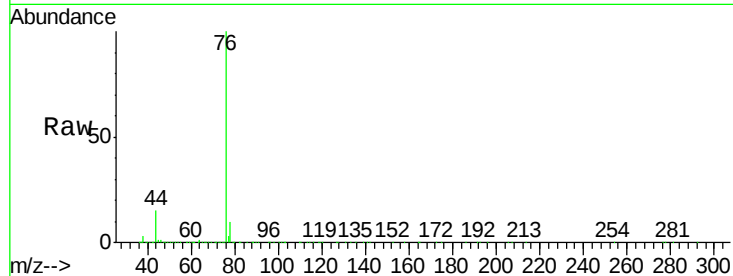
78 9.5 7.4 11.0

Manual Integrations

APPROVED

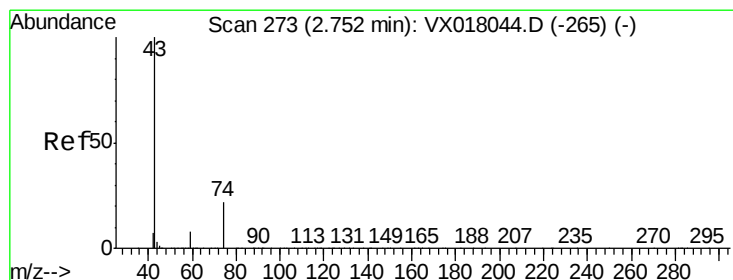
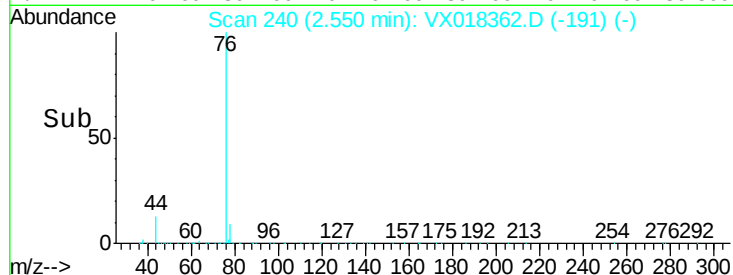
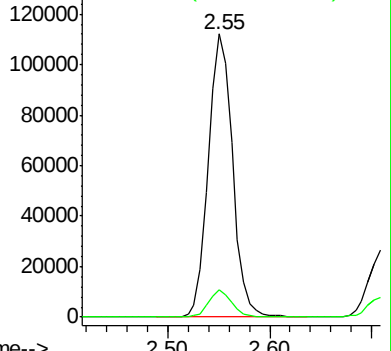
MMDadoda

9/14/2020 12:09:57 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.878 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX018362.D

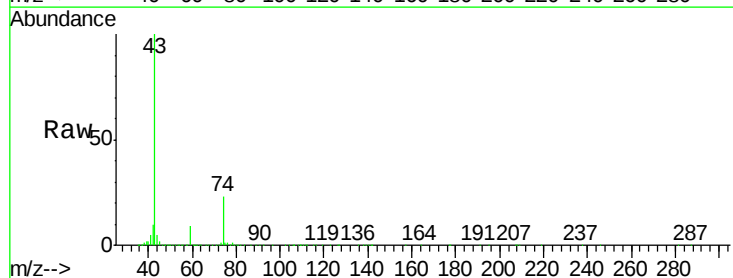
Acq: 11 Sep 2020 15:27

Tgt Ion: 43 Resp: 117694

Ion Ratio Lower Upper

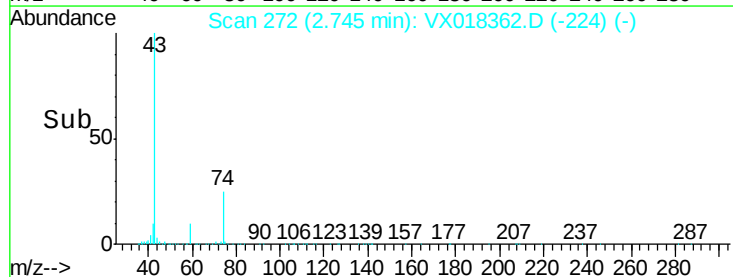
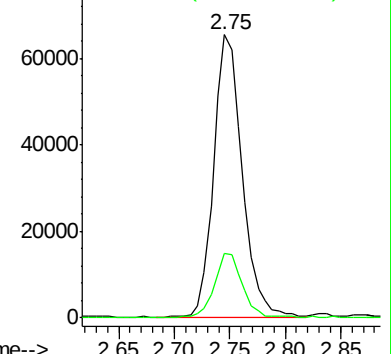
43 100

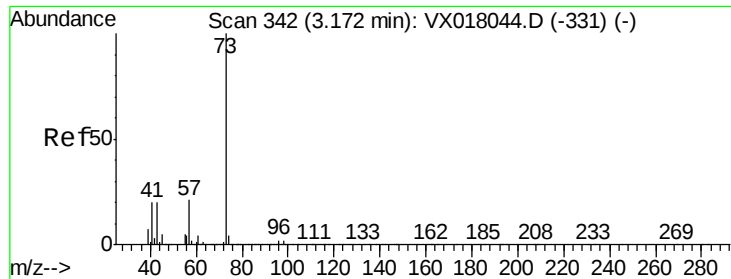
74 22.7 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





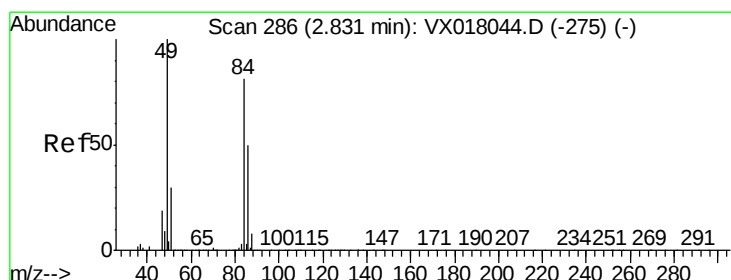
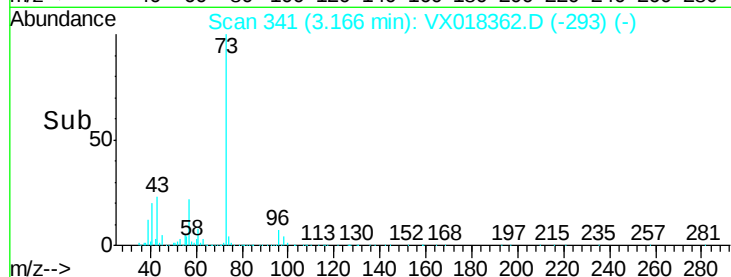
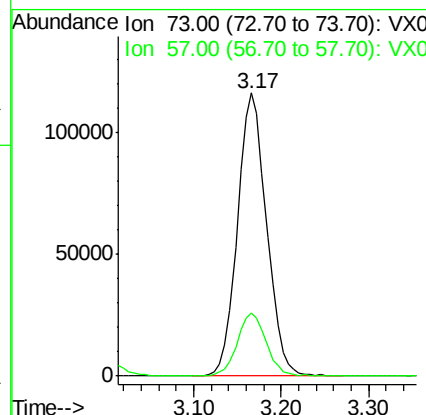
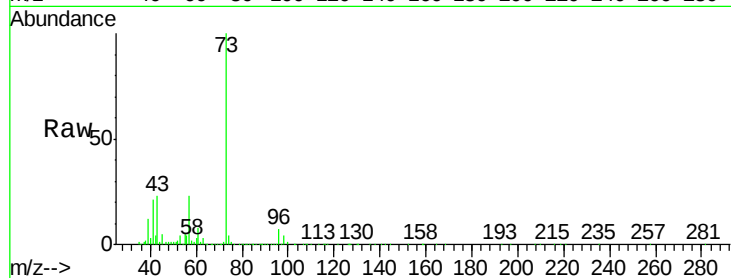
#19
Methvl tert-butvl Ether
Concen: 19.337 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.01 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	16.8	25.2

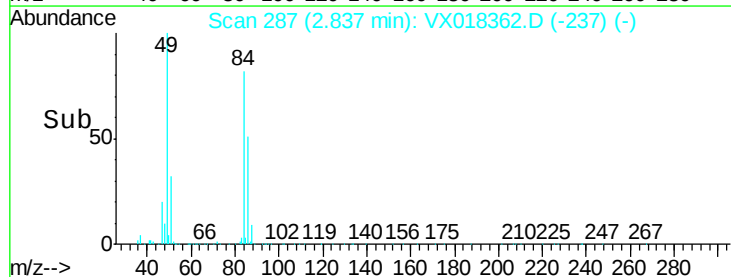
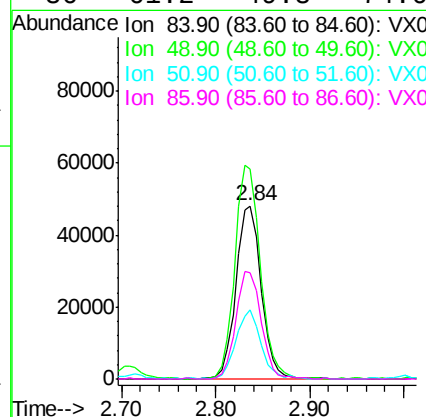
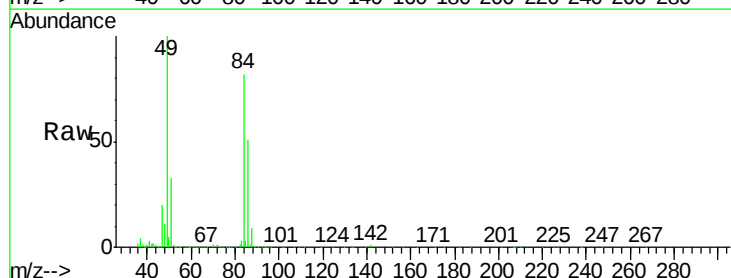
Manual Integrations
APPROVED

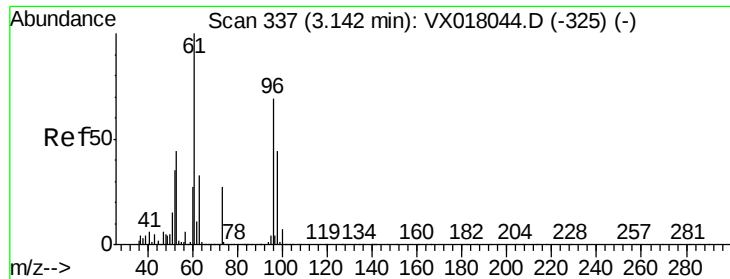
MMDadoda
9/14/2020 12:09:57 PM



#20
Methylene Chloride
Concen: 19.027 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.1	98.6	148.0
51	39.6	29.6	44.4
86	61.2	49.8	74.6





#21

trans-1,2-Dichloroethene

Concen: 17.477 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

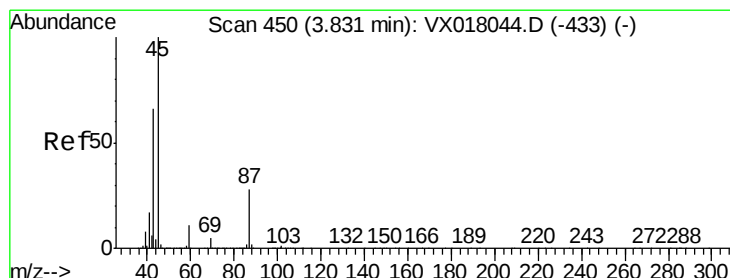
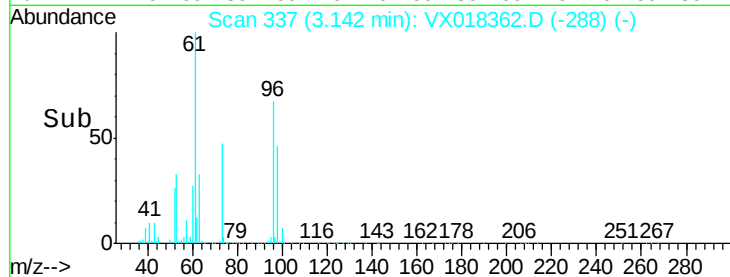
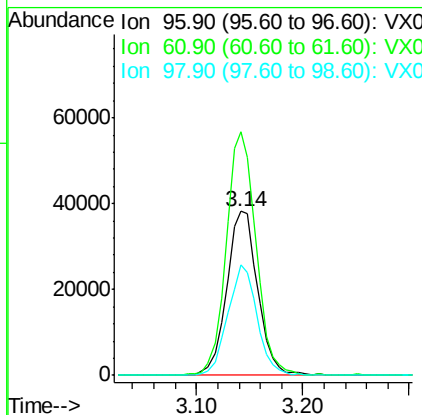
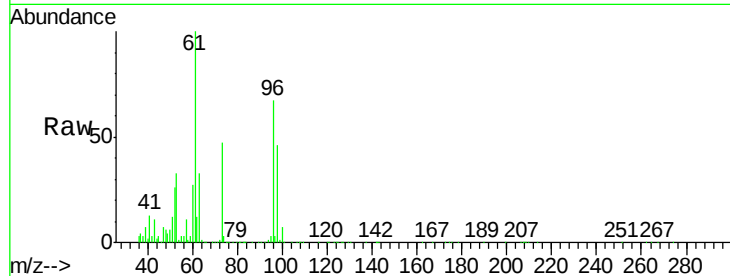
ClientSampleId :

VX0911WBSD02

Tot Ion:	96	Resp:	77980
Ion	Ratio	Lower	Upper
96	100		
61	148.0	115.4	173.0
98	67.7	51.1	76.7

Manual Integrations
APPROVED

MMDadoda
9/14/2020 12:09:57 PM



#22

Diisopropyl ether

Concen: 18.298 ug/l

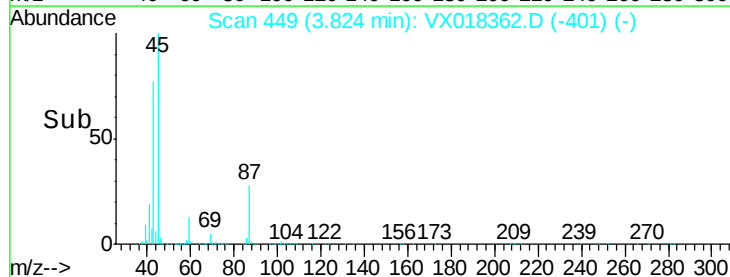
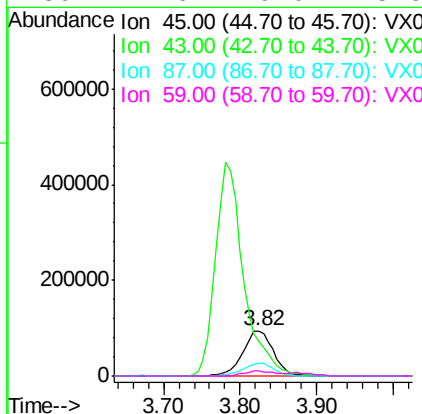
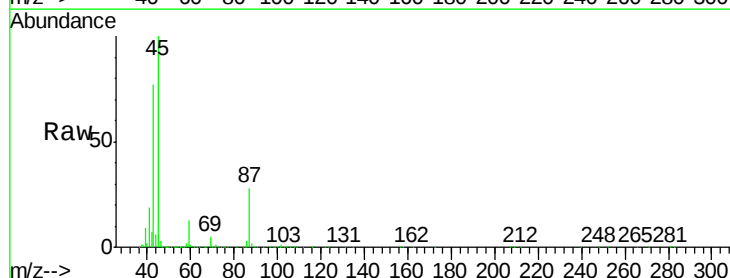
RT: 3.82 min Scan# 449

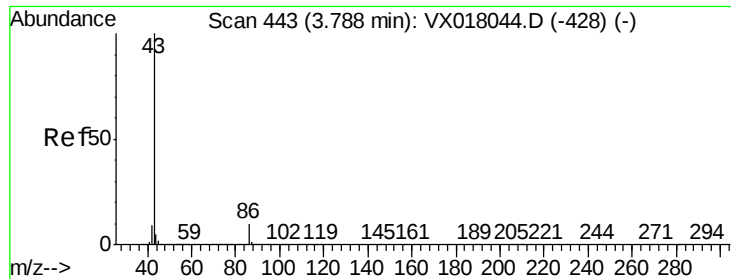
Delta R.T. -0.01 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Tgt Ion:	45	Resp:	261308
Ion	Ratio	Lower	Upper
45	100		
43	76.5	52.8	79.2
87	27.8	22.5	33.7
59	12.6	9.0	13.6





#23

Vinyl Acetate

Concen: 90.120 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD02

Tot Ion: 43 Resp: 1145181

Ion Ratio Lower Upper

43 100

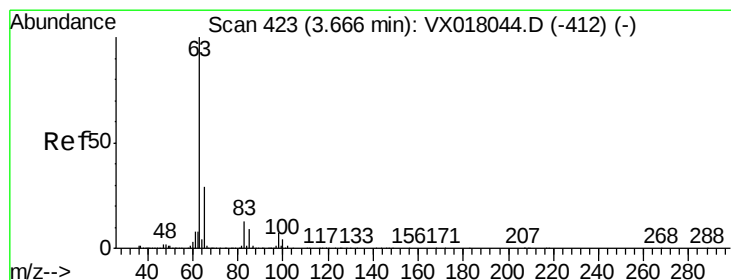
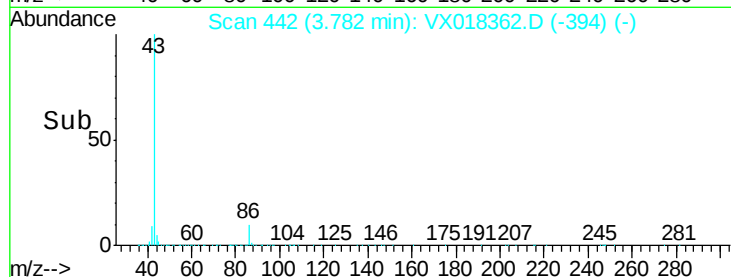
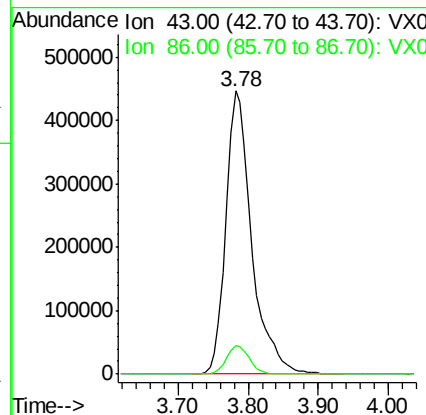
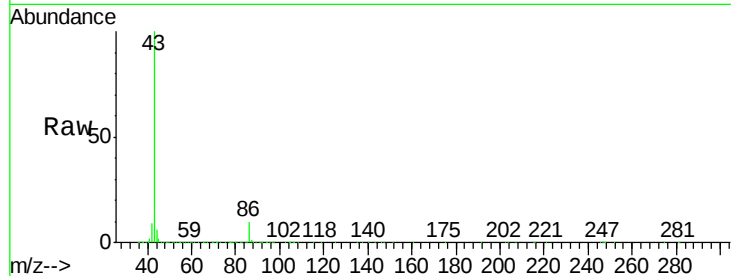
86 9.9 7.9 11.9

Manual Integrations

APPROVED

MMDadoda

9/14/2020 12:09:57 PM



#24

1,1-Dichloroethane

Concen: 18.271 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

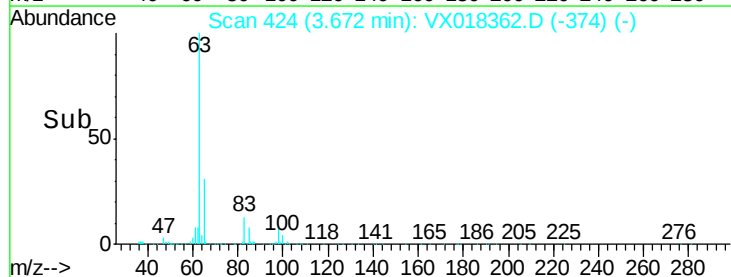
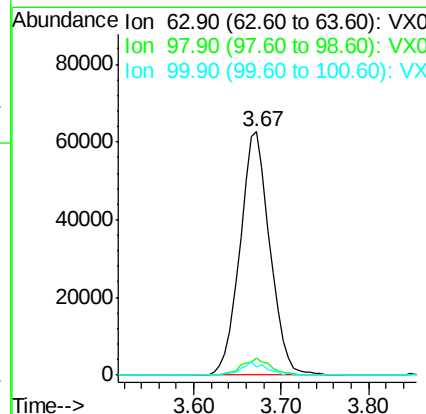
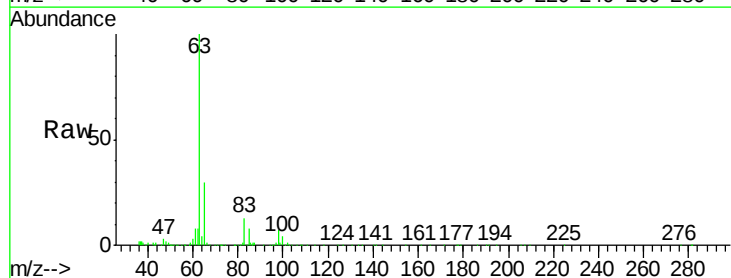
Tgt Ion: 63 Resp: 148528

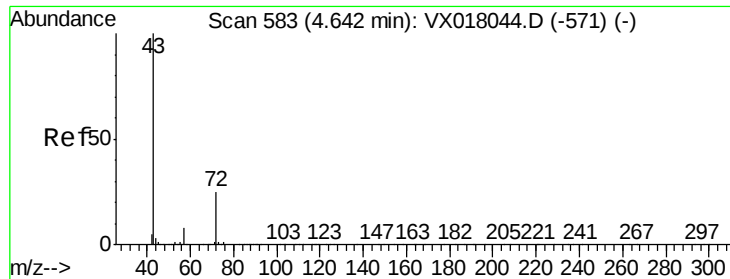
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.8

100 3.6 2.0 6.0





#25

2-Butanone

Concen: 85.464 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD02

Tot Ion: 43 Resp: 313120

Ion Ratio Lower Upper

43 100

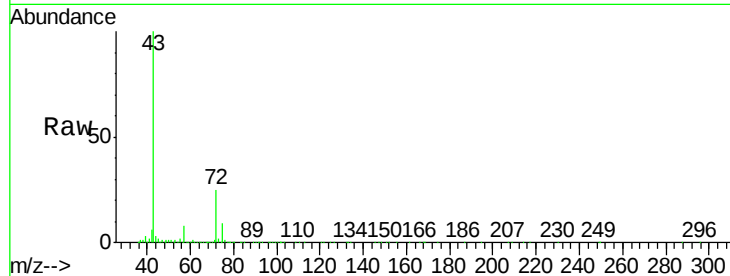
72 25.0 19.8 29.6

Manual Integrations

APPROVED

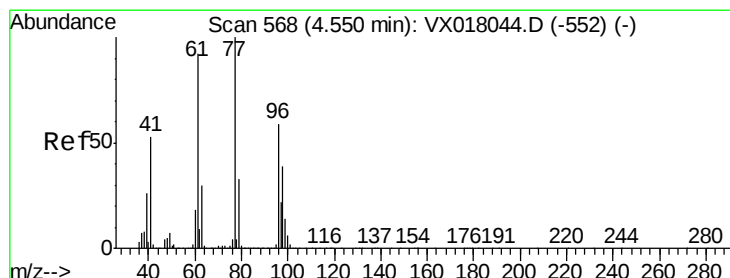
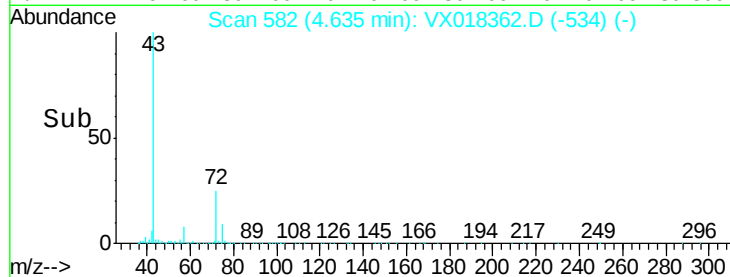
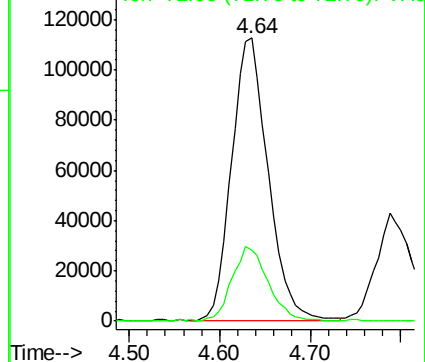
MMDadoda

9/14/2020 12:09:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.834 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX018362.D

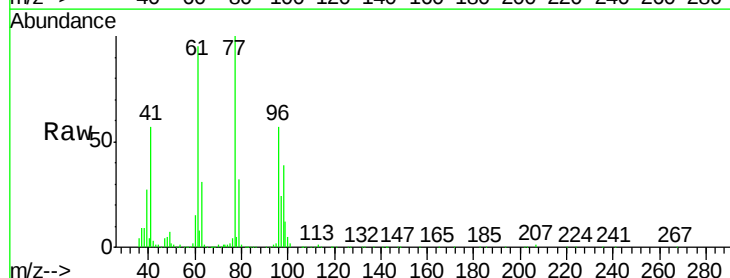
Acq: 11 Sep 2020 15:27

Tgt Ion: 77 Resp: 131191

Ion Ratio Lower Upper

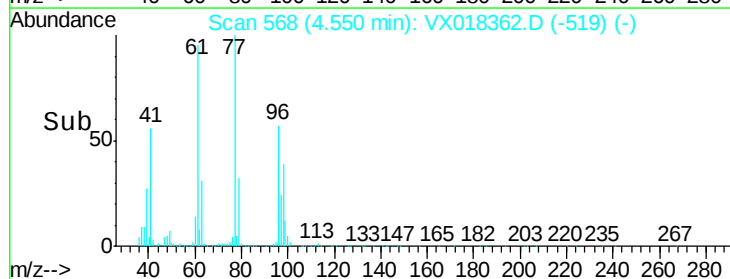
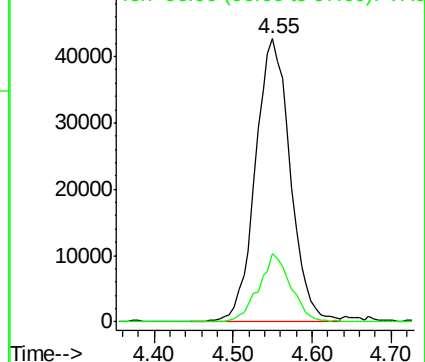
77 100

97 22.1 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

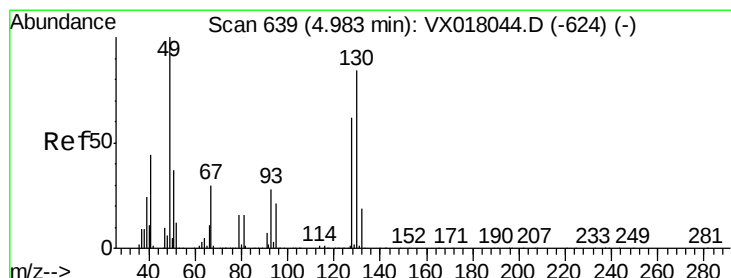
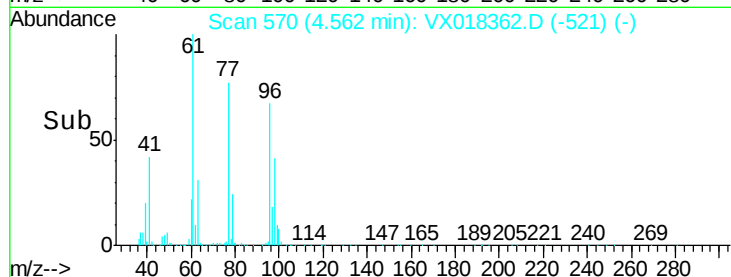
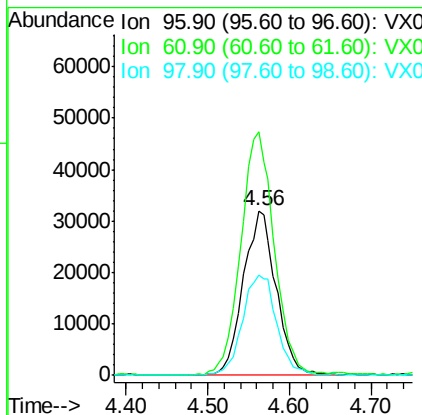
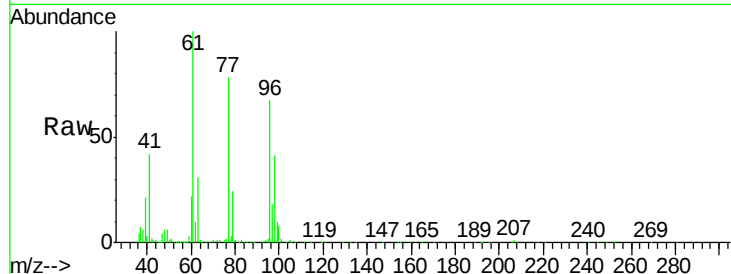
cis-1,2-Dichloroethene
Concen: 17.407 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	151.2	0.0	296.6	
98	63.3	0.0	130.2	

Manual Integrations
APPROVED

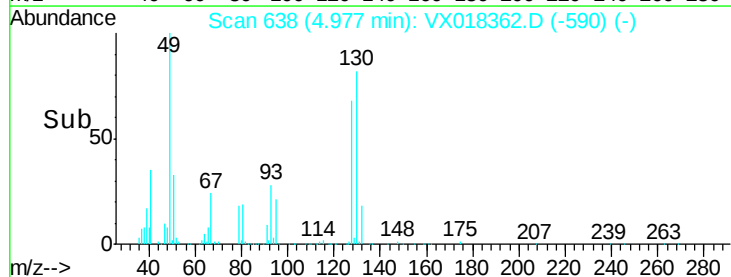
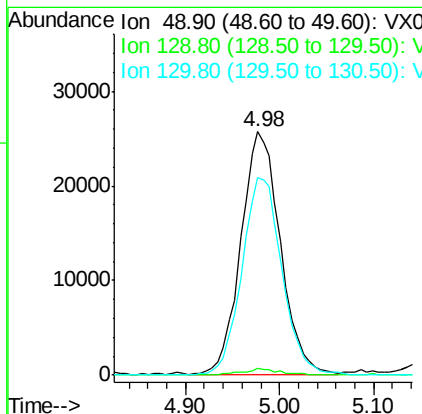
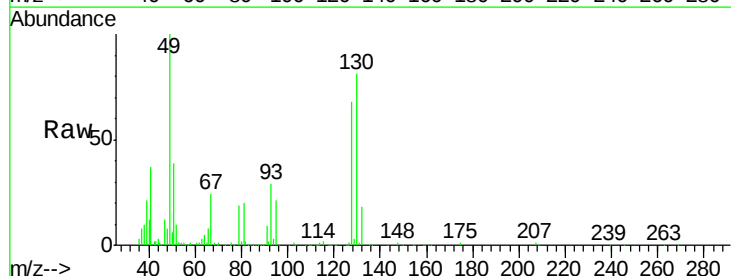
MMDadoda
9/14/2020 12:09:57 PM



#28

Bromochloromethane
Concen: 19.116 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	4.6	
130	83.2	64.6	96.8	





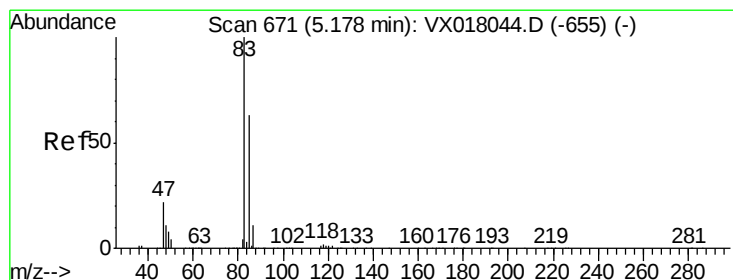
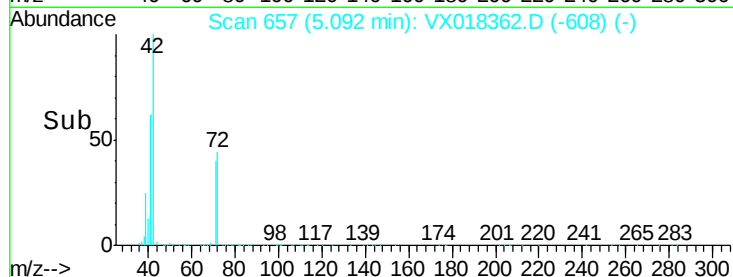
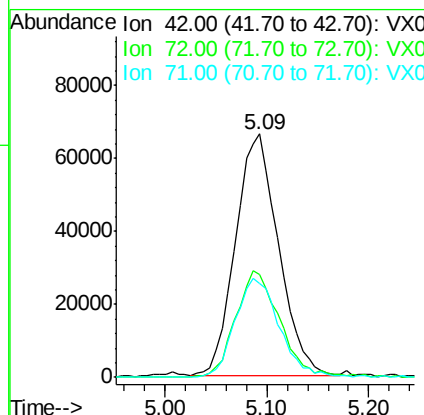
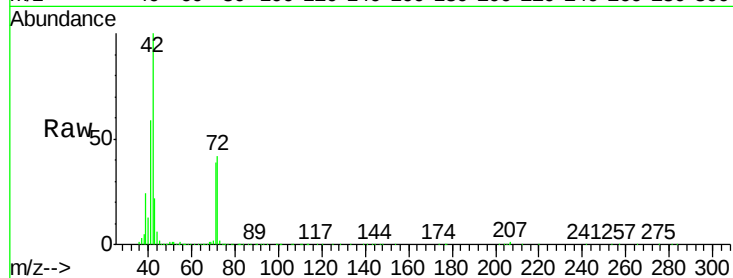
#29
Tetrahydrofuran
Concen: 83.277 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	34.2	51.4
71	41.6	32.1	48.1

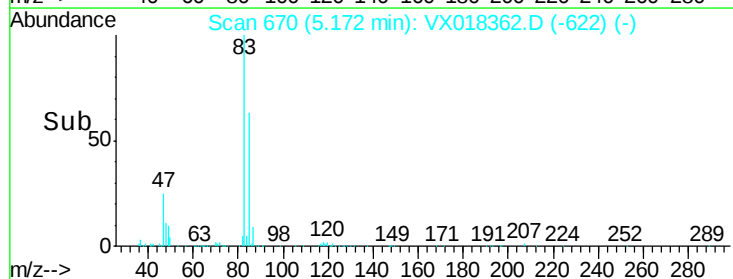
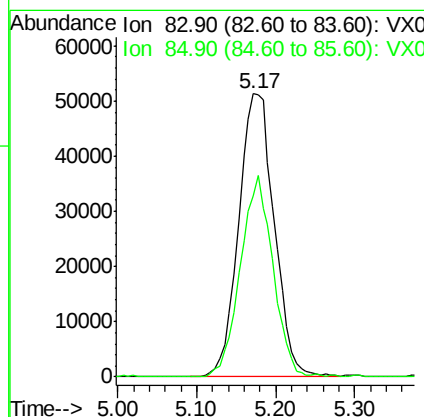
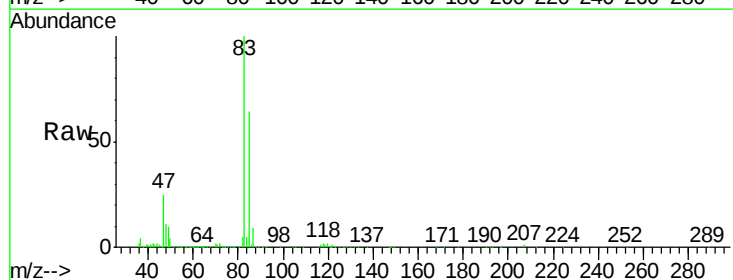
Manual Integrations
APPROVED

MMDadoda
9/14/2020 12:09:57 PM



#30
Chloroform
Concen: 19.132 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.7	76.1





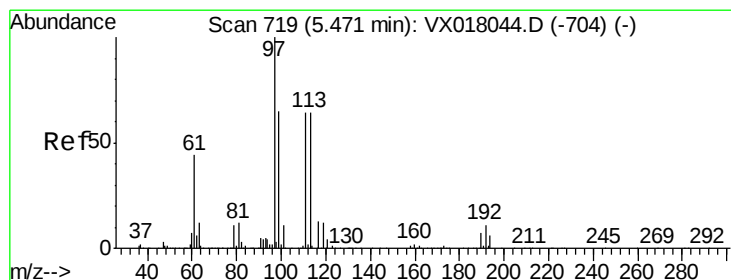
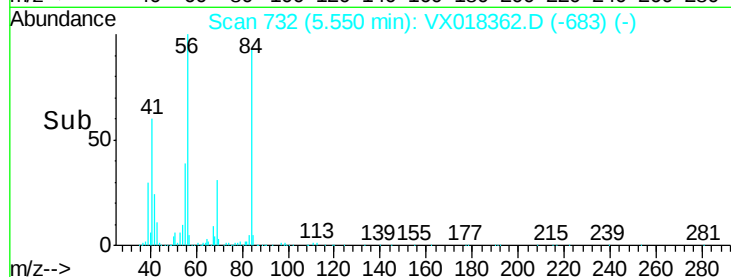
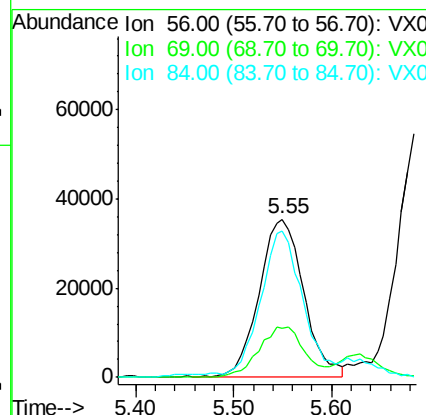
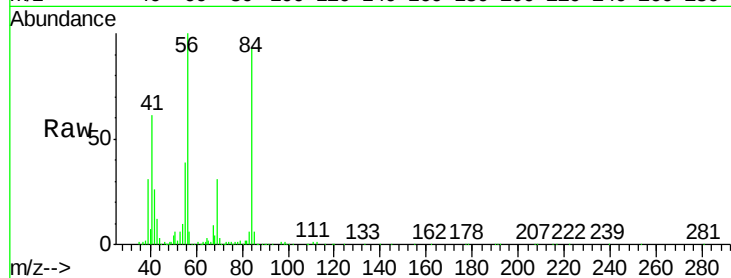
#31
Cyclohexane
Concen: 16.371 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	23.9	35.9
84	90.9	67.0	100.4

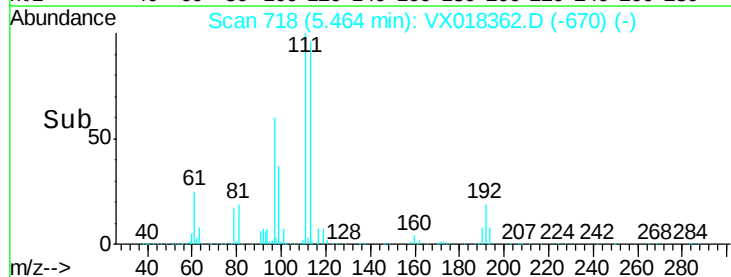
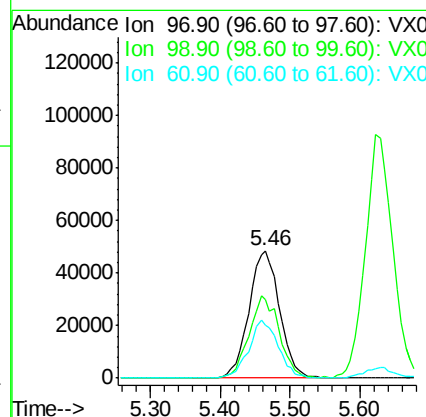
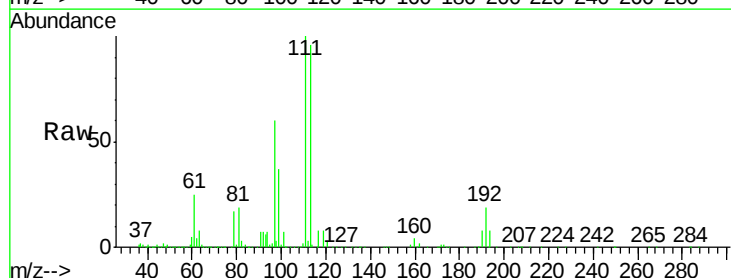
Manual Integrations
APPROVED

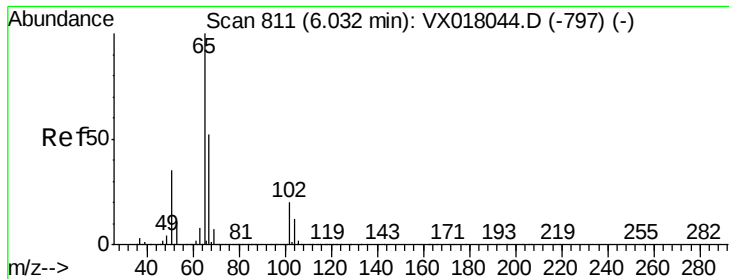
MMDadoda
9/14/2020 12:09:57 PM



#32
1,1,1-Trichloroethane
Concen: 19.039 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	43.6	34.2	51.4





#33

1,2-Dichloroethane-d4

Concen: 49.567 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD02

Tot Ion: 65 Resp: 283579

Ion Ratio Lower Upper

65 100

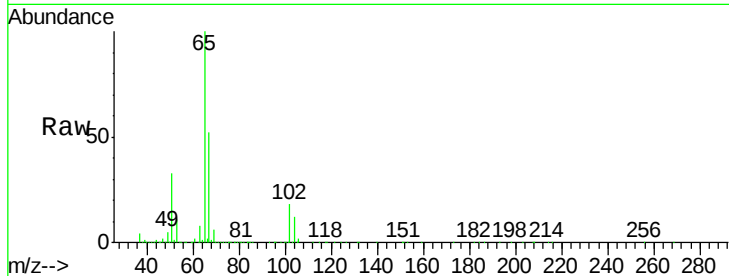
67 50.1 0.0 105.8

Manual Integrations

APPROVED

MMDadoda

9/14/2020 12:09:57 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

120000

100000

80000

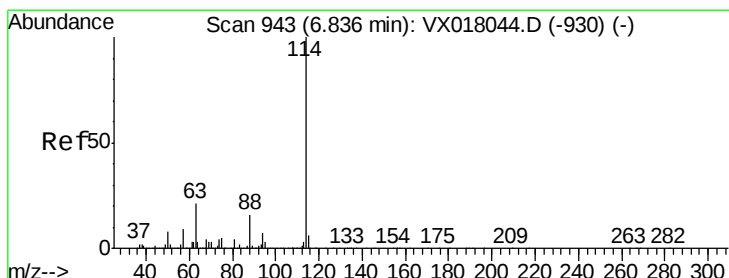
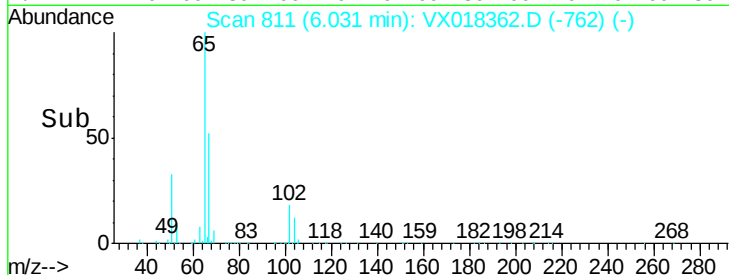
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

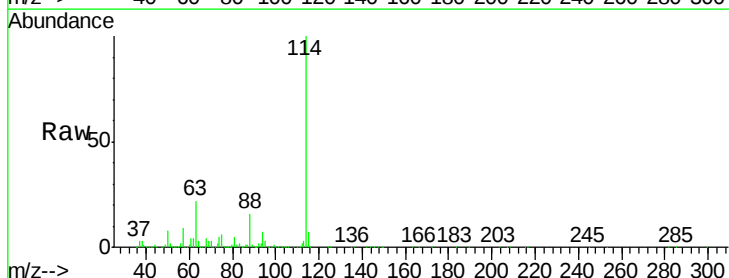
Tgt Ion: 114 Resp: 634092

Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.6

88 15.8 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.83

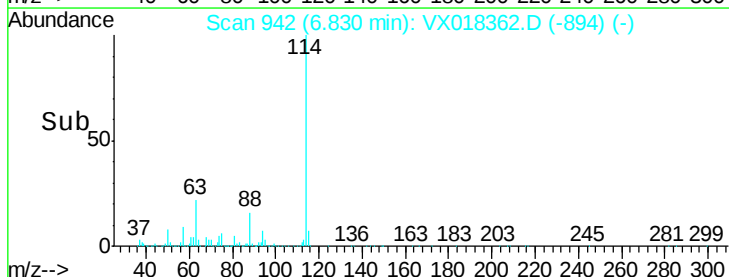
300000

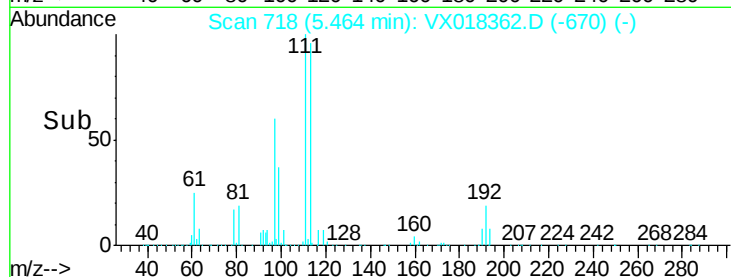
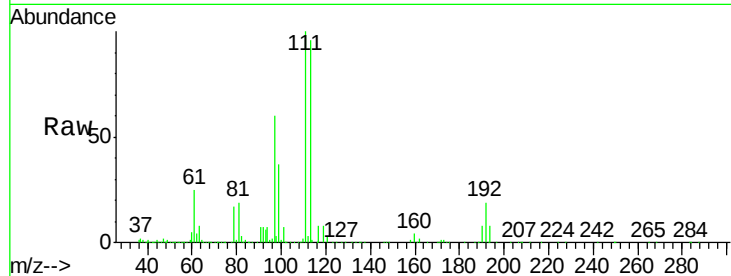
200000

100000

0

Time-->





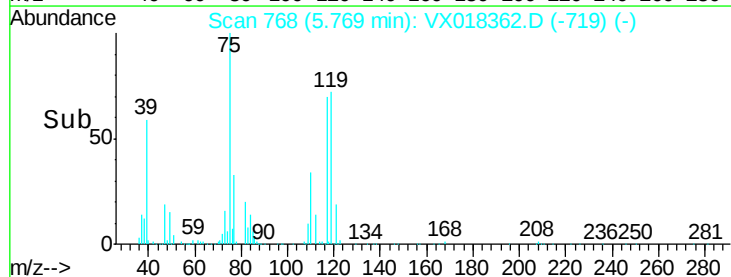
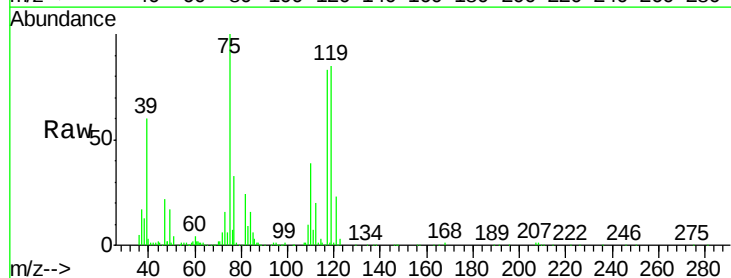
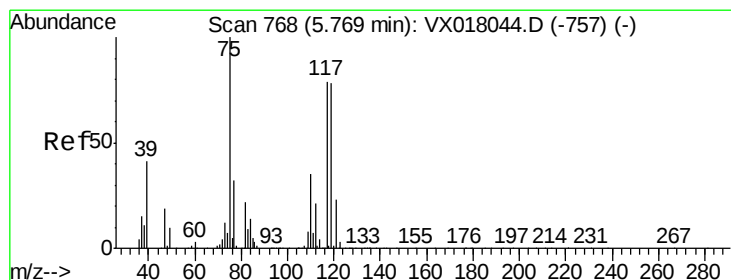
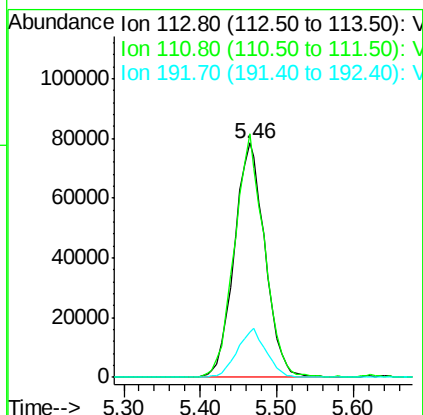
#35
Dibromofluoromethane
Concen: 50.370 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Tot Ion	Ratio	Resp	Lower	Upper
113	100	217522		
111	101.1	81.6	122.4	
192	19.8	15.8	23.8	

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD02

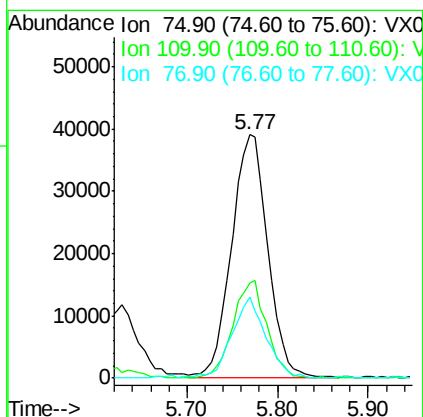
Manual Integrations
APPROVED

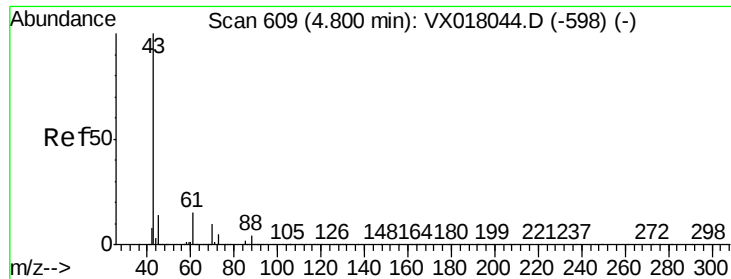
MMDadoda
9/14/2020 12:09:57 PM



#36
1,1-Dichloropropene
Concen: 18.332 ug/l
RT: 5.77 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	107217		
110	38.1	18.0	54.0	
77	31.1	24.4	36.6	





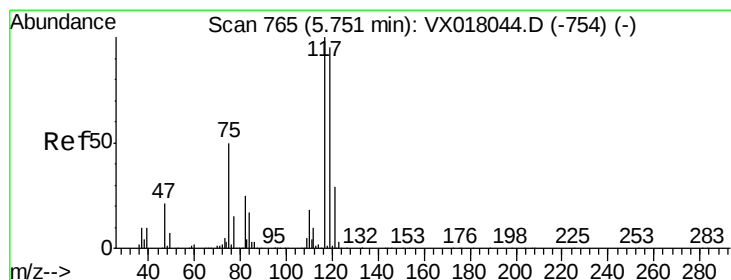
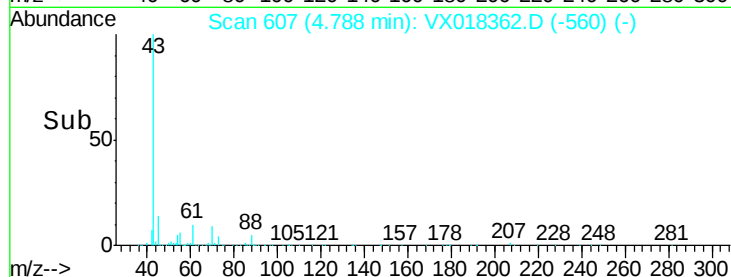
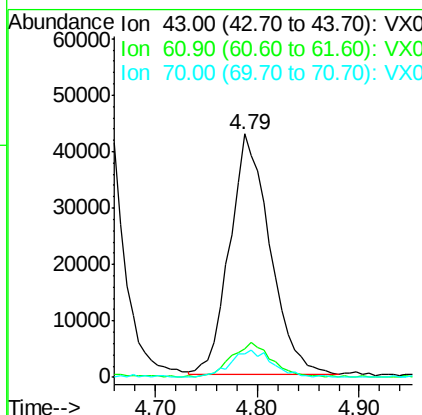
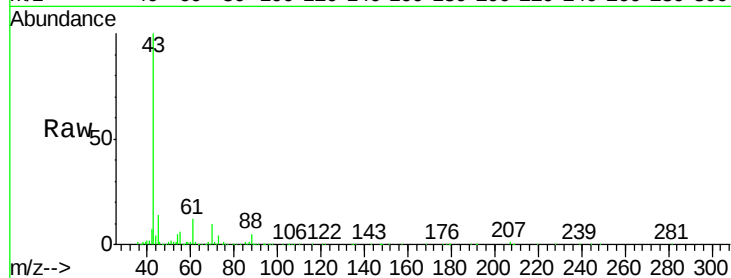
#37
Ethyl Acetate
Concen: 17.302 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD02

Tot Ion	43	Resp	117529
Ion Ratio	Lower	Upper	
43	100		
61	15.1	11.3	16.9
70	11.7	8.2	12.4

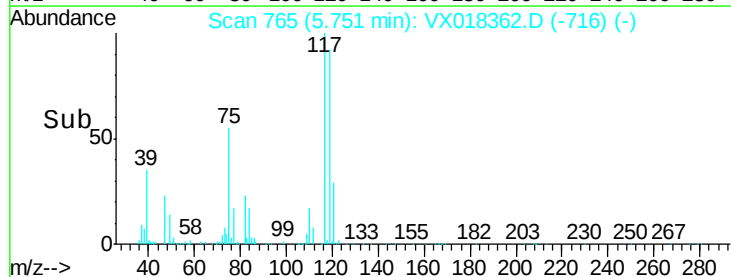
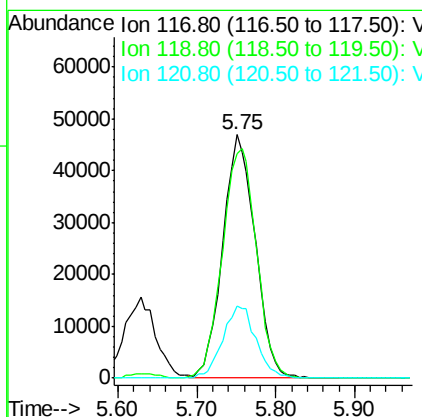
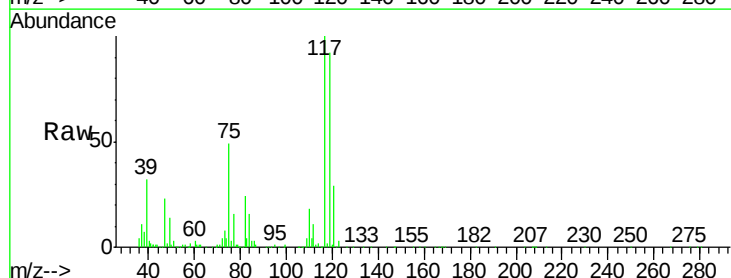
Manual Integrations
APPROVED

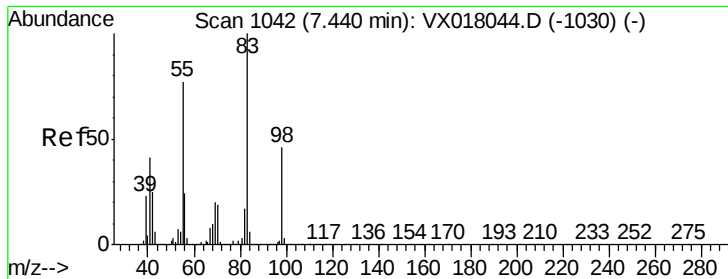
MMDadoda
9/14/2020 12:09:57 PM



#38
Carbon Tetrachloride
Concen: 20.338 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Tgt Ion	117	Resp	134048
Ion Ratio	Lower	Upper	
117	100		
119	92.3	75.8	113.6
121	29.5	23.4	35.0





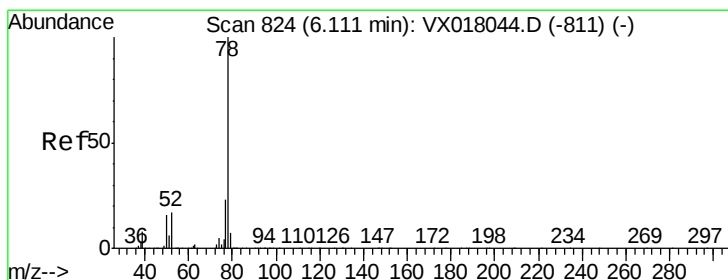
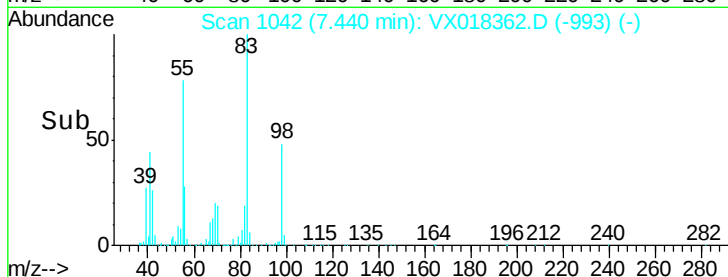
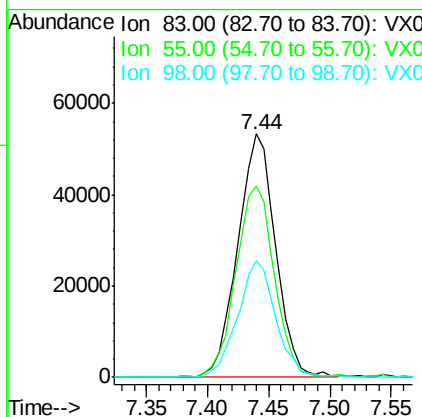
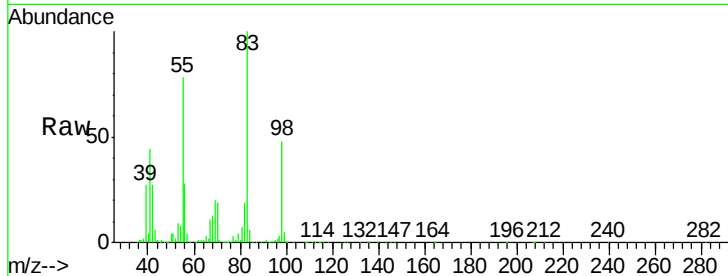
#39
Methvlcvclohexane
Concen: 17.926 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	61.8	92.6
98	48.1	36.6	55.0

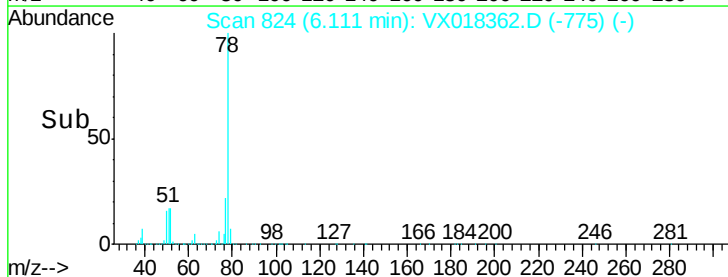
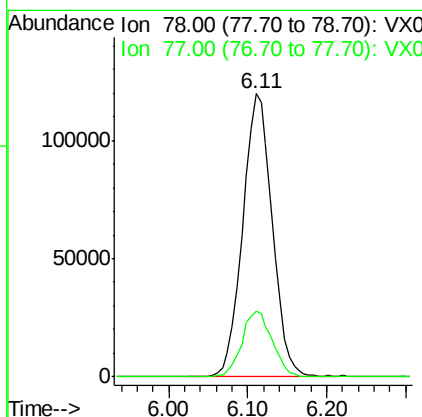
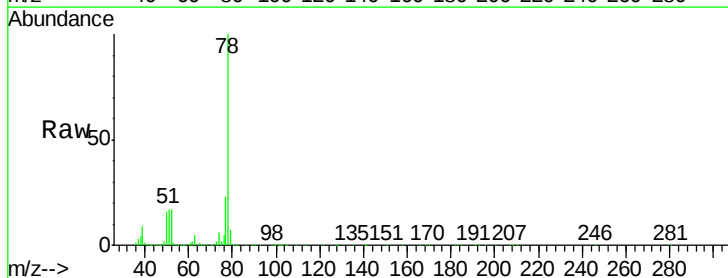
Manual Integrations
APPROVED

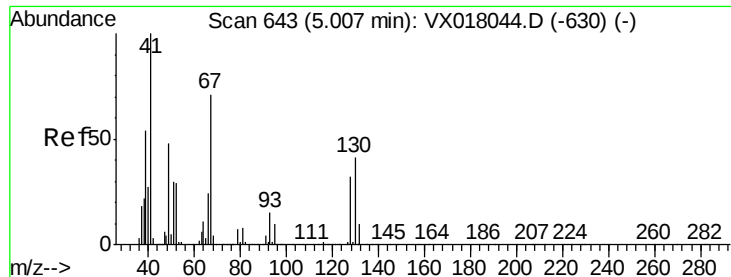
MMDadoda
9/14/2020 12:09:57 PM



#40
Benzene
Concen: 18.141 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.2	27.2





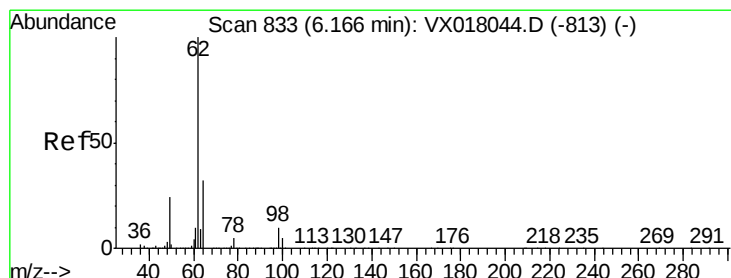
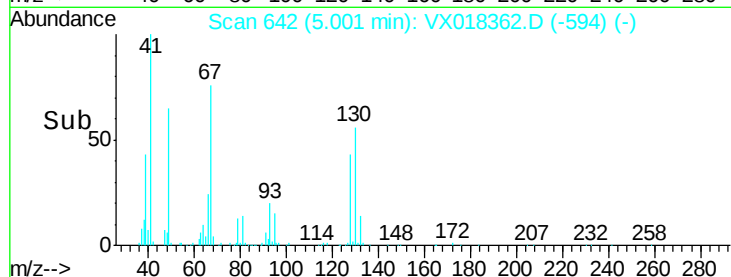
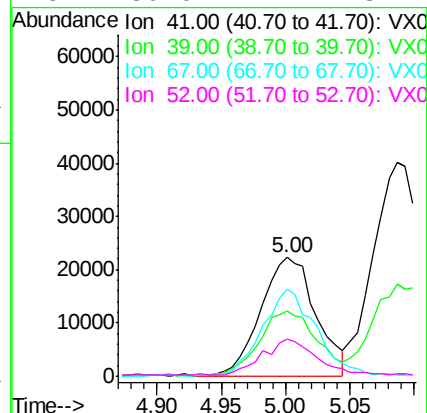
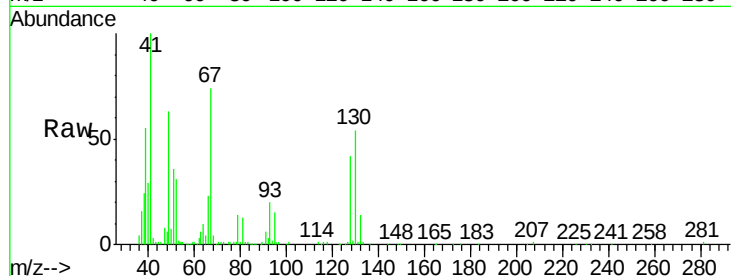
#41
Methacrylonitrile
Concen: 17.907 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.8	43.1	64.7	
67	72.2	56.0	84.0	
52	30.0	22.7	34.1	

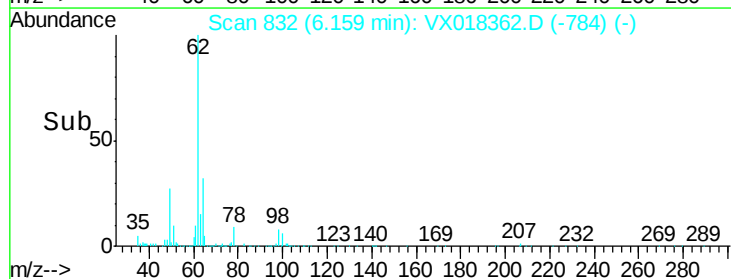
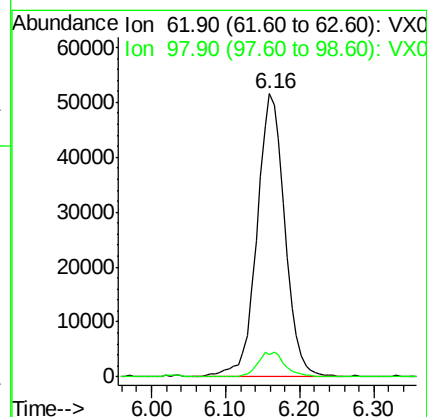
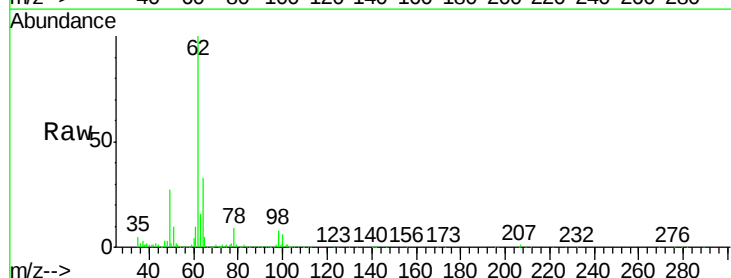
Manual Integrations
APPROVED

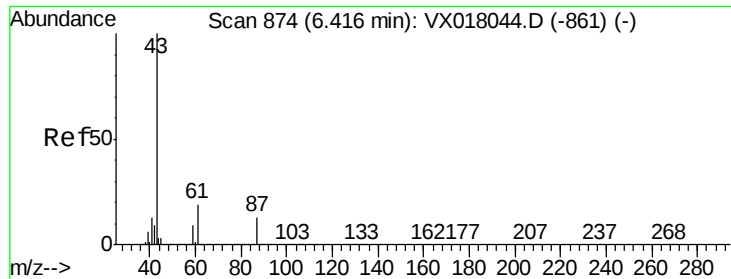
MMDadoda
9/14/2020 12:09:57 PM



#42
1,2-Dichloroethane
Concen: 20.603 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	18.2	





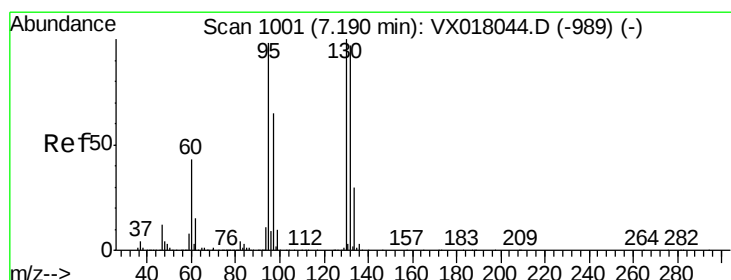
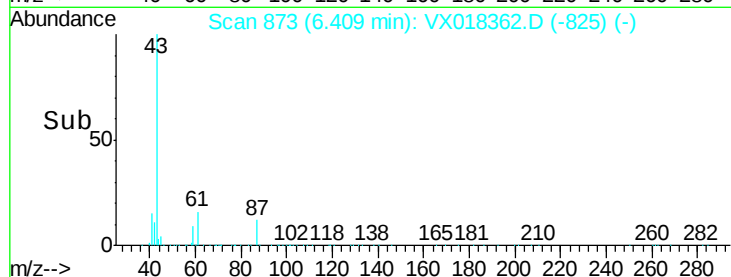
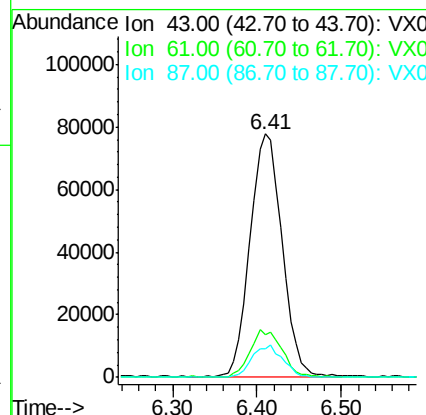
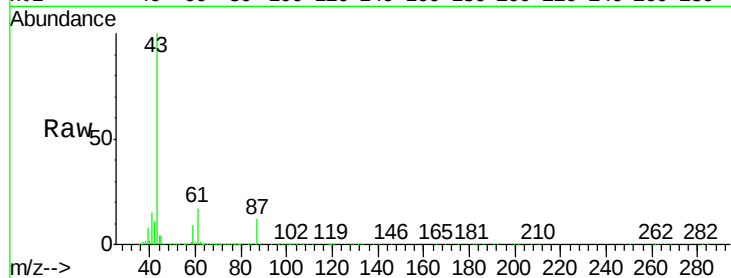
#43
Isopropyl Acetate
Concen: 18.295 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.7	23.5
87	12.7	10.3	15.5

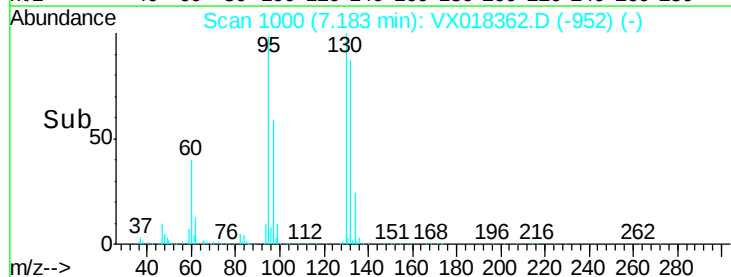
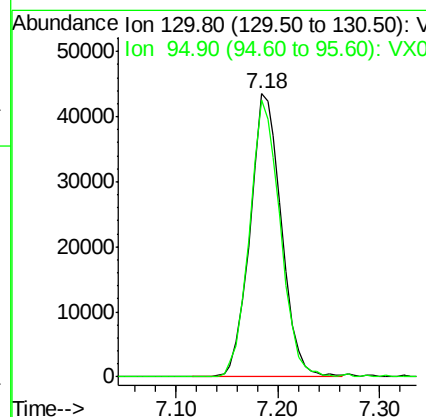
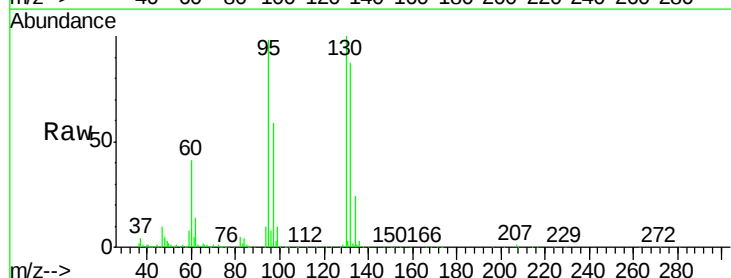
Manual Integrations
APPROVED

MMDadoda
9/14/2020 12:09:57 PM



#44
Trichloroethene
Concen: 19.175 ug/l
RT: 7.18 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	196.4





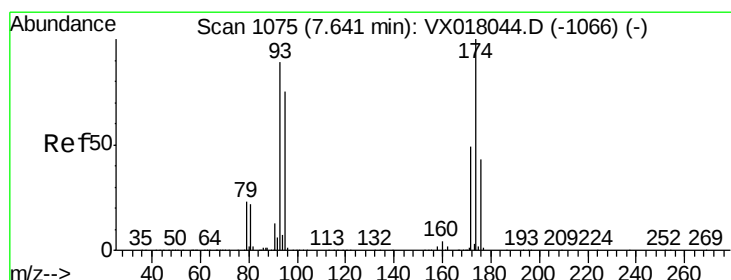
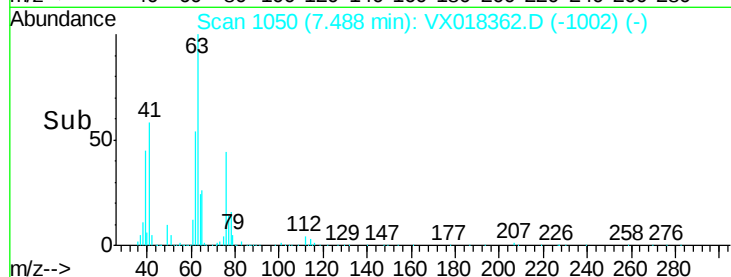
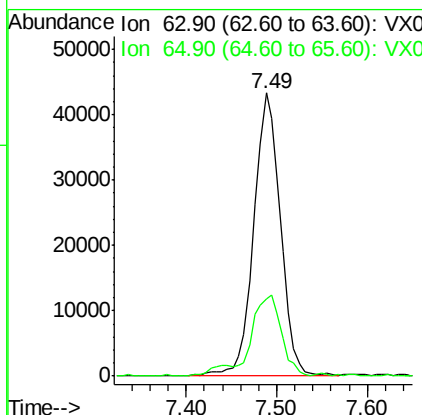
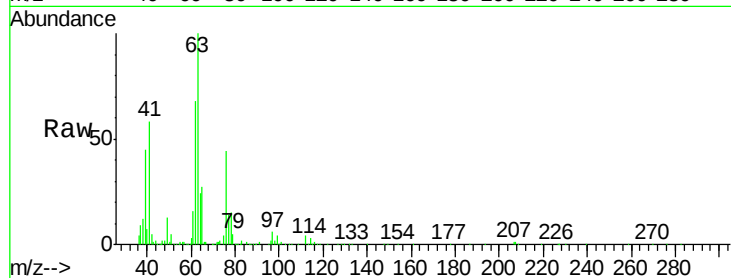
#45
 1,2-Dichloropropane
 Concen: 18.888 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VX018362.D
 Acq: 11 Sep 2020 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.1	25.7	38.5

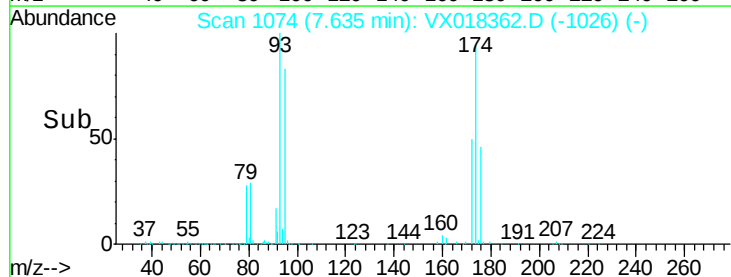
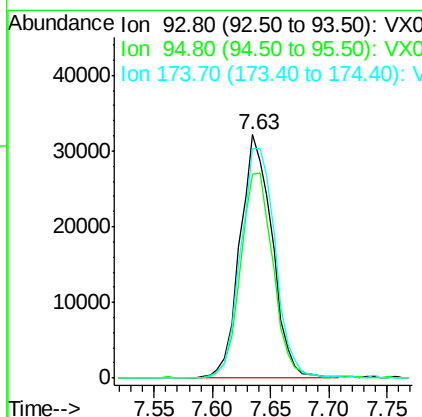
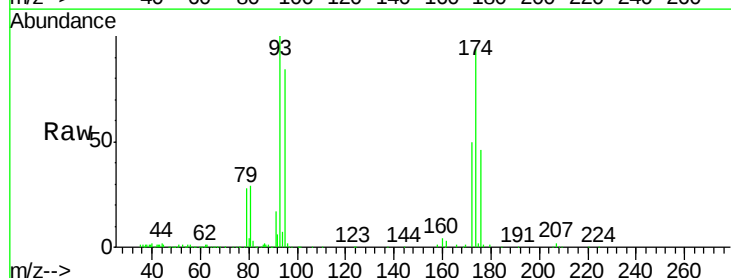
Manual Integrations
 APPROVED

MMDadoda
 9/14/2020 12:09:57 PM



#46
 Dibromomethane
 Concen: 19.033 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VX018362.D
 Acq: 11 Sep 2020 15:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.6	67.3	100.9
174	101.7	82.2	123.2





#47

Bromodichloromethane

Concen: 20.145 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

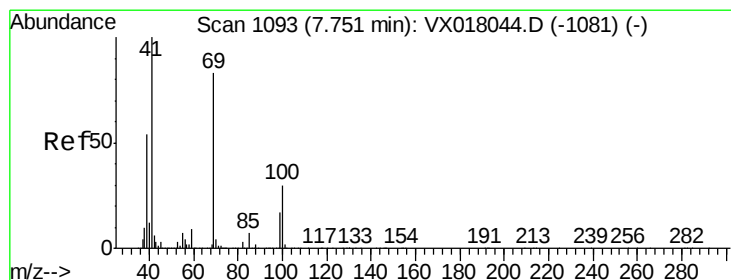
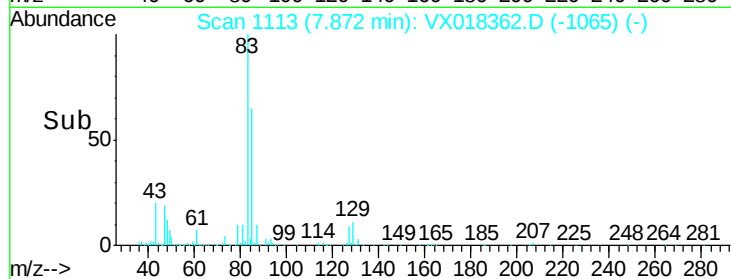
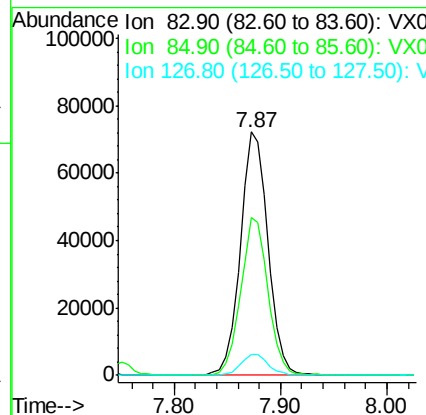
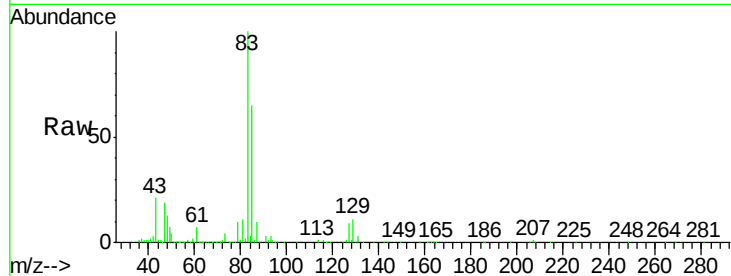
ClientSampleId :

VX0911WBSD02

Tot Ion:	83	Resp:	131013
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.8	77.6
127	8.6	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
9/14/2020 12:09:57 PM



#48

Methyl methacrylate

Concen: 17.996 ug/l

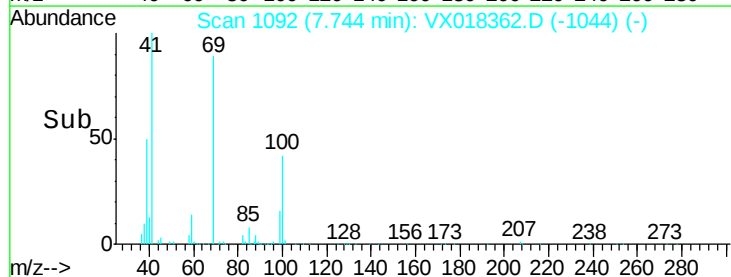
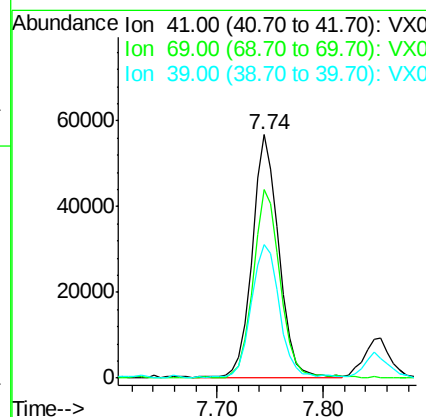
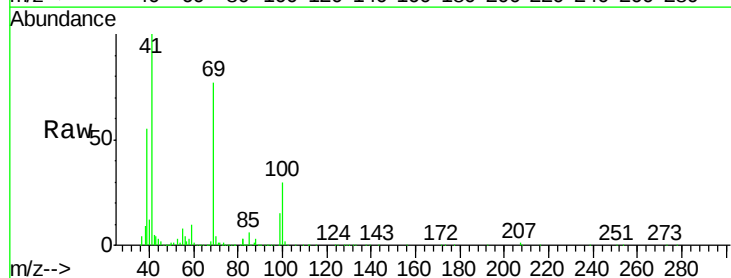
RT: 7.74 min Scan# 1092

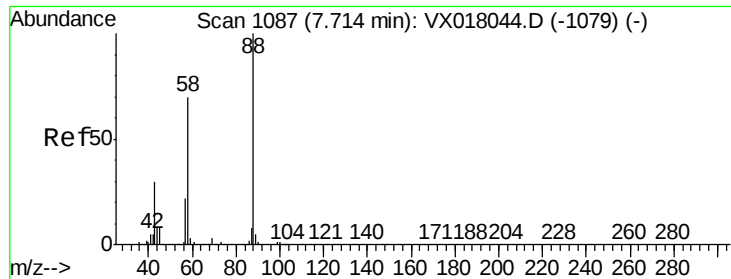
Delta R.T. -0.01 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Tgt Ion:	41	Resp:	98291
Ion Ratio	Lower	Upper	
41	100		
69	80.0	65.5	98.3
39	59.4	44.5	66.7





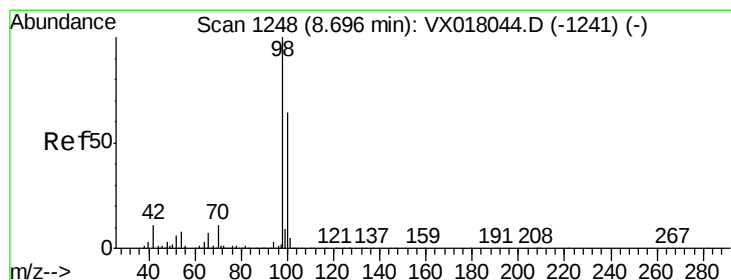
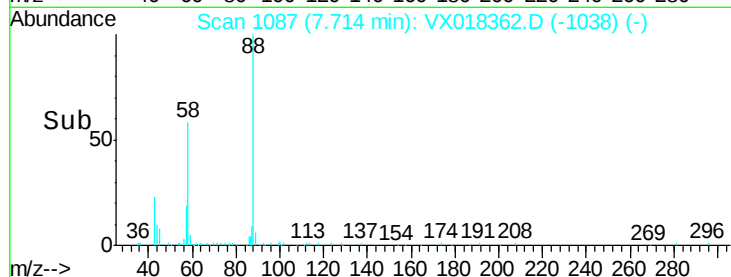
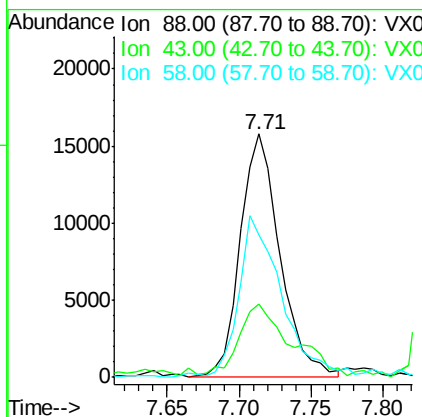
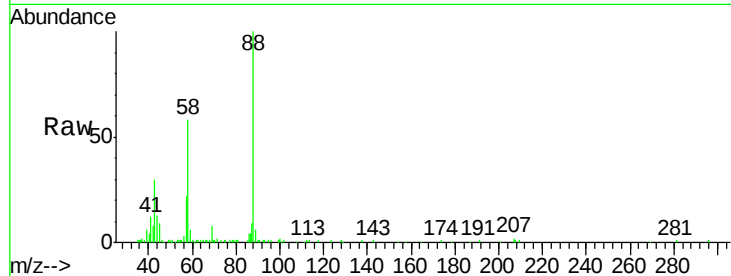
#49
1,4-Dioxane
Concen: 302.707 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD02

Tot Ion	88	Resp	29948
Ion	Ratio	Lower	Upper
88	100		
43	38.4	27.4	41.0
58	73.3	56.4	84.6

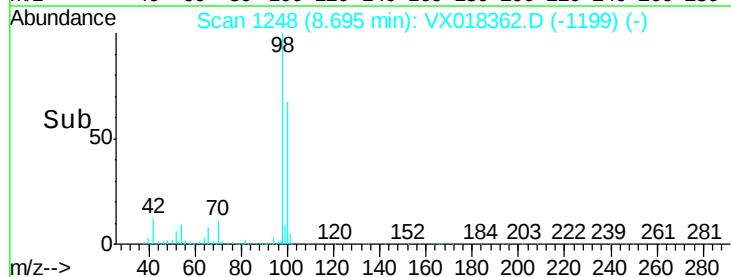
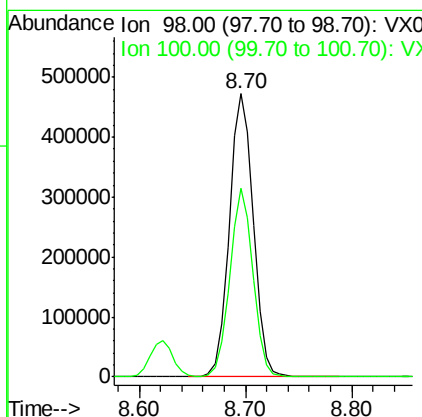
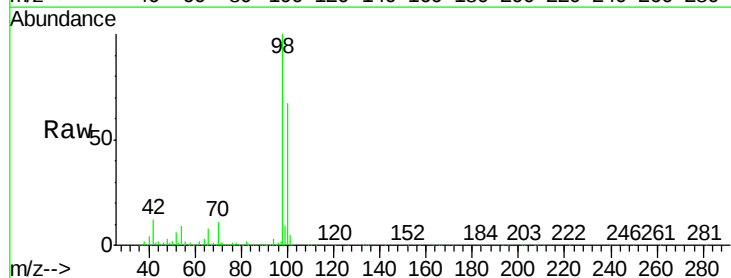
Manual Integrations
APPROVED

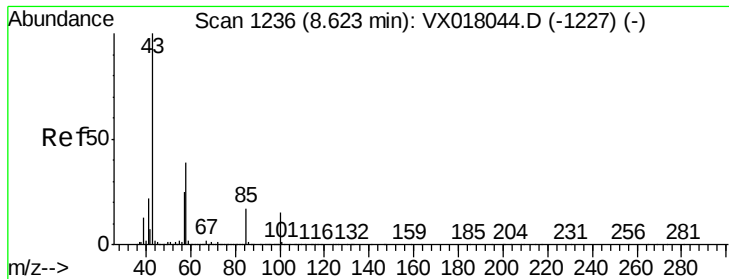
MMDadoda
9/14/2020 12:09:57 PM



#50
Toluene-d8
Concen: 46.165 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Tgt Ion	98	Resp	742537
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 92.737 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD02

Tot Ion: 43 Resp: 628493

Ion Ratio Lower Upper

43 100

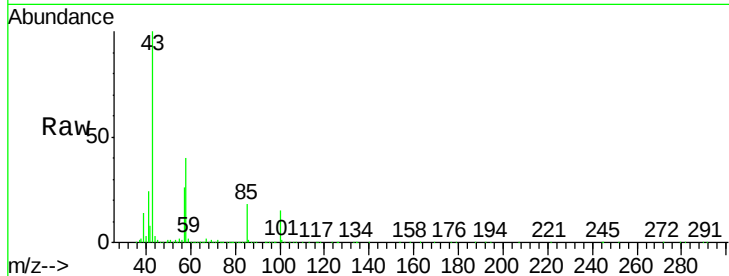
58 38.5 30.7 46.1

Manual Integrations

APPROVED

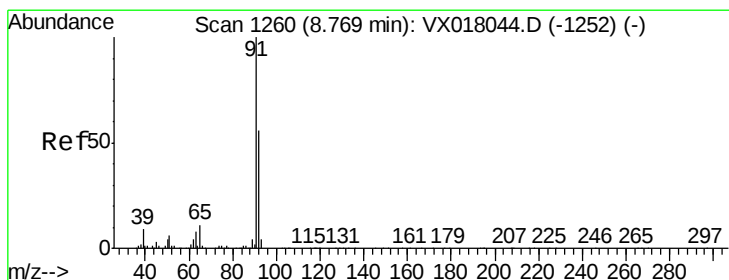
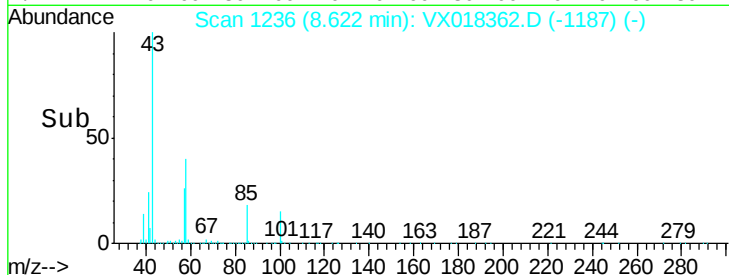
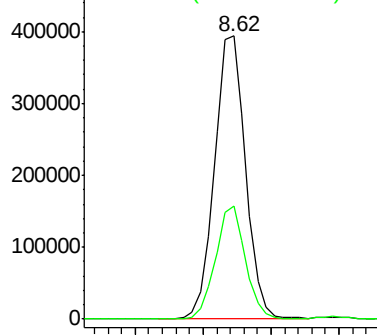
MMDadoda

9/14/2020 12:09:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.757 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX018362.D

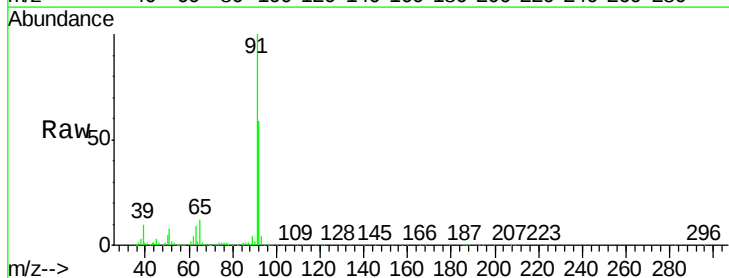
Acq: 11 Sep 2020 15:27

Tgt Ion: 92 Resp: 204402

Ion Ratio Lower Upper

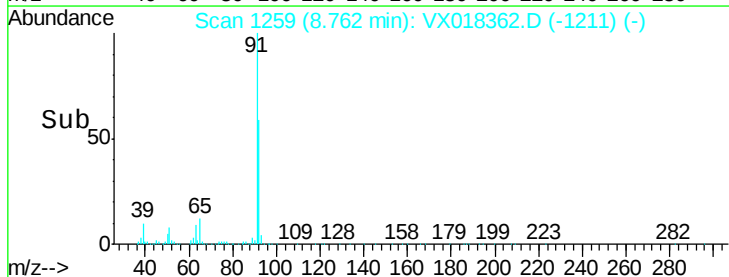
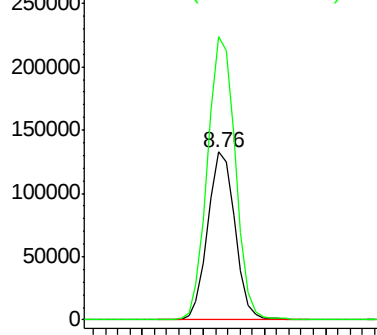
92 100

91 172.8 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 19.134 ug/l

RT: 9.02 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD02

Tot Ion: 75 Resp: 137915

Ion Ratio Lower Upper

75 100

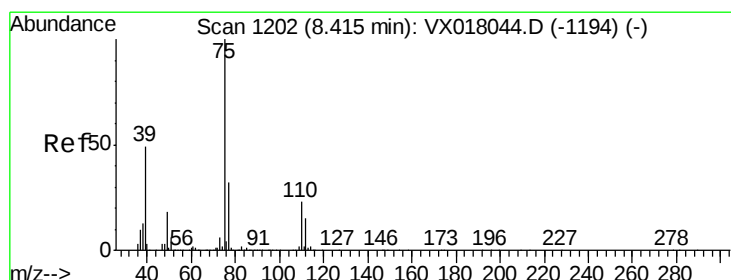
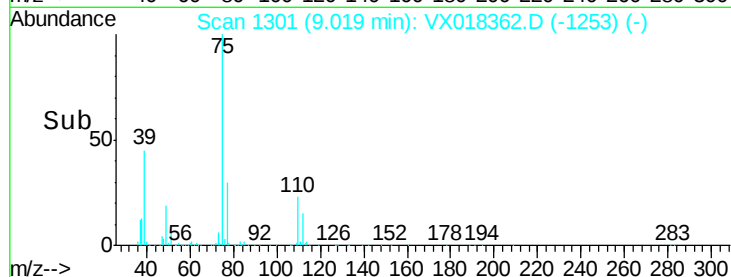
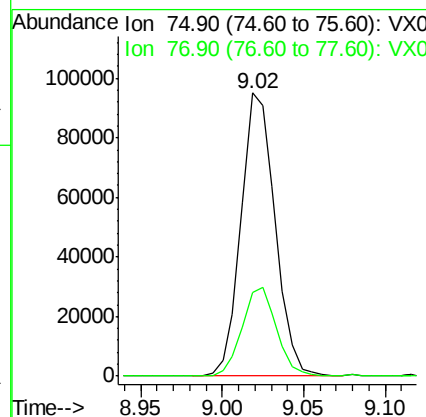
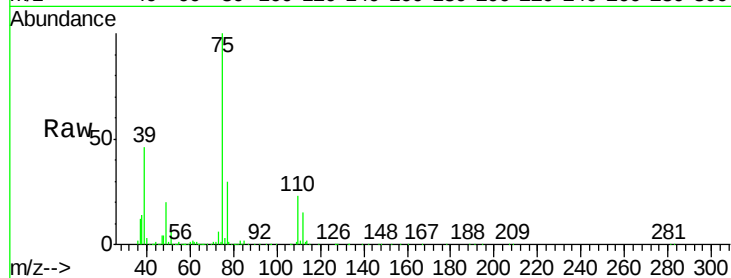
77 29.7 26.6 39.8

Manual Integrations

APPROVED

MMDadoda

9/14/2020 12:09:57 PM



#54

cis-1,3-Dichloropropene

Concen: 19.144 ug/l

RT: 8.41 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

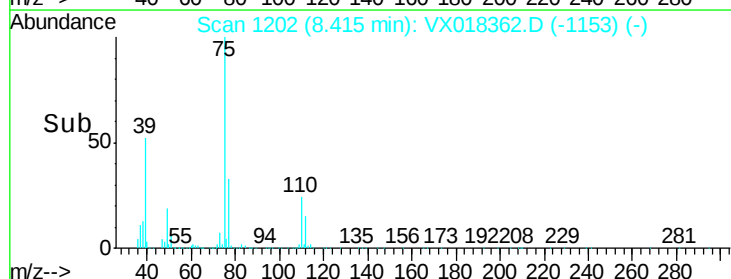
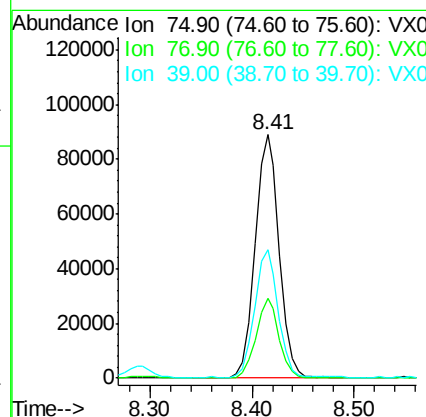
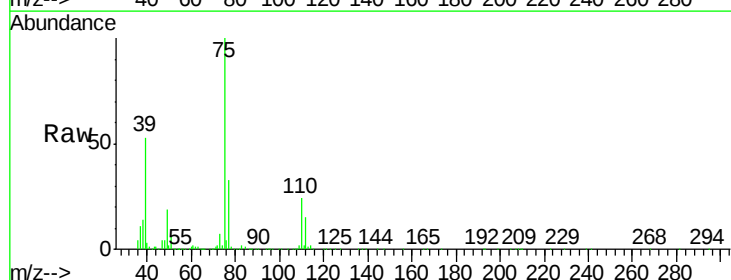
Tgt Ion: 75 Resp: 146175

Ion Ratio Lower Upper

75 100

77 32.7 25.8 38.8

39 52.4 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 18.844 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

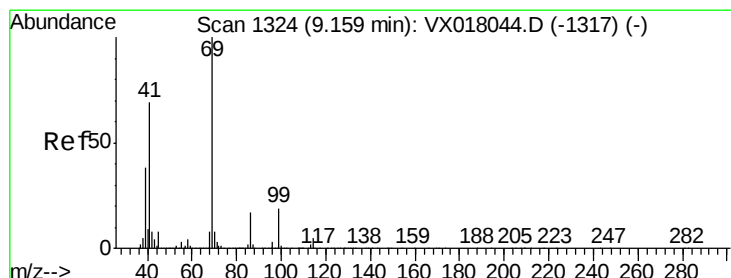
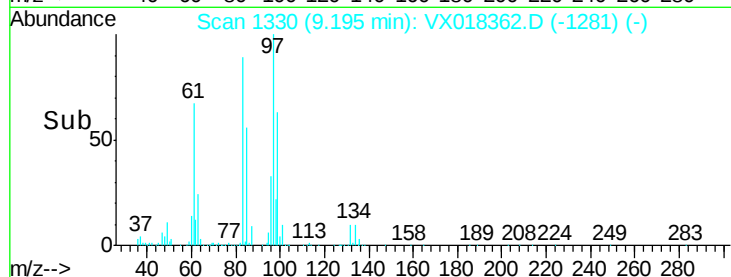
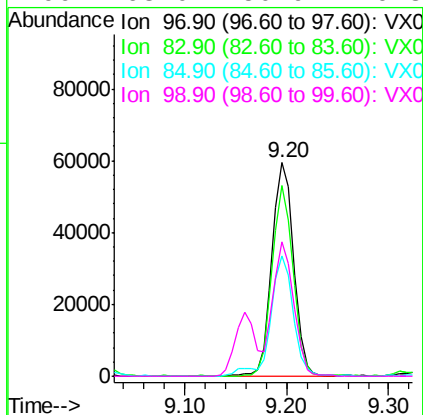
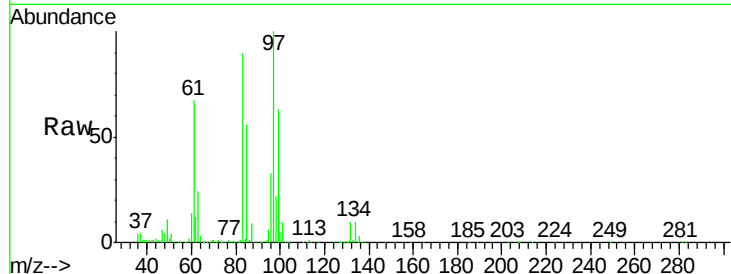
ClientSampleId :

VX0911WBSD02

Tot Ion:	97	Resp:	87576
Ion	Ratio	Lower	Upper
97	100		
83	89.4	67.8	101.6
85	56.1	45.3	67.9
99	63.0	50.9	76.3

Manual Integrations
APPROVED

MMDadoda
9/14/2020 12:09:57 PM



#56

Ethyl methacrylate

Concen: 17.900 ug/l

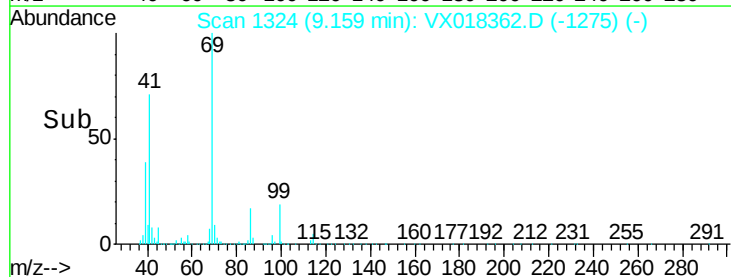
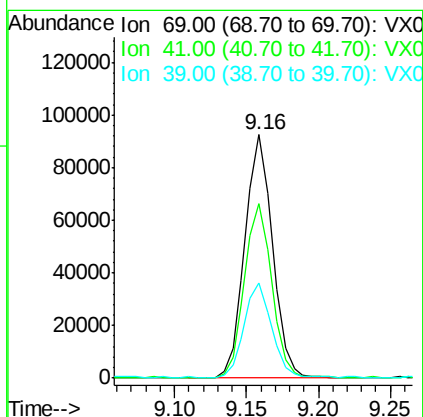
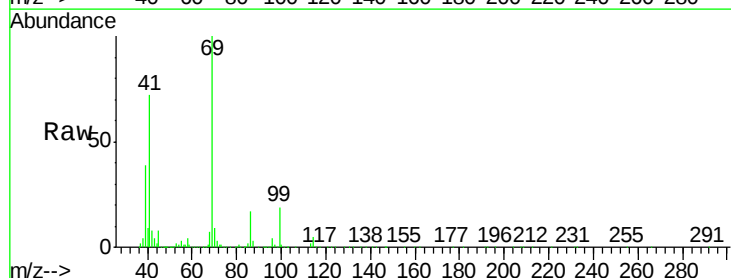
RT: 9.16 min Scan# 1324

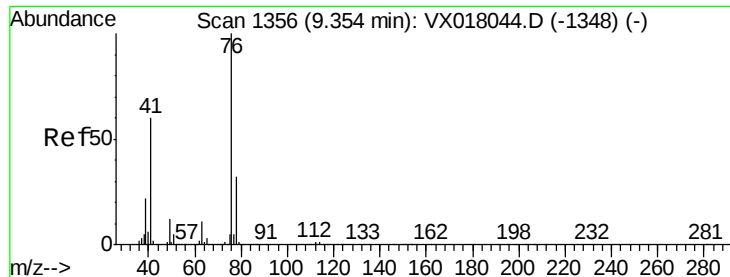
Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Tgt Ion:	69	Resp:	123675
Ion	Ratio	Lower	Upper
69	100		
41	69.8	54.6	81.8
39	40.0	29.1	43.7





#57

1,3-Dichloropropane

Concen: 18.453 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD02

Tot Ion: 76 Resp: 141449

Ion Ratio Lower Upper

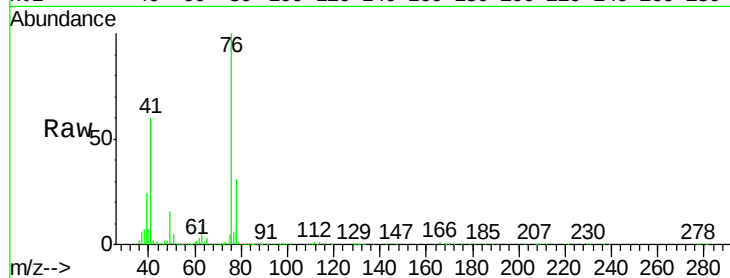
76 100

78 31.8 25.8 38.6

Manual Integrations
APPROVED

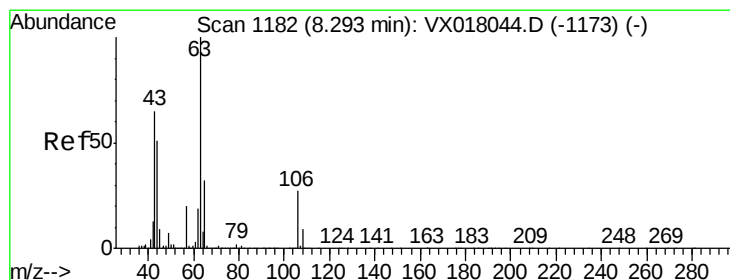
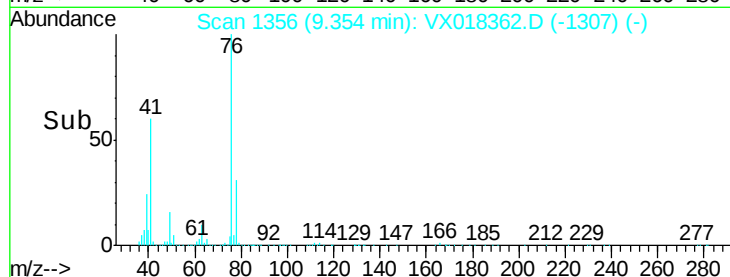
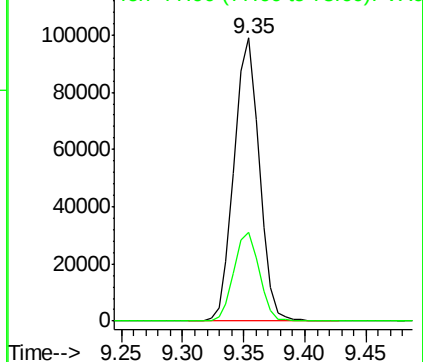
MMDadoda

9/14/2020 12:09:57 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 96.664 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX018362.D

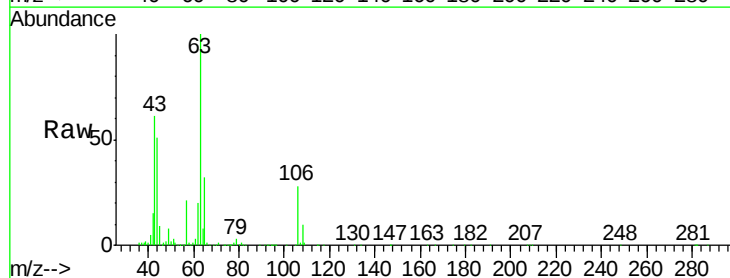
Acq: 11 Sep 2020 15:27

Tgt Ion: 63 Resp: 300432

Ion Ratio Lower Upper

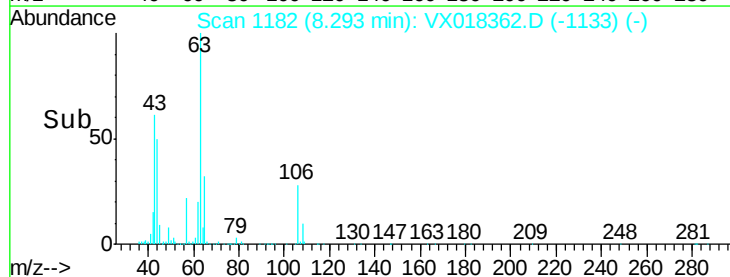
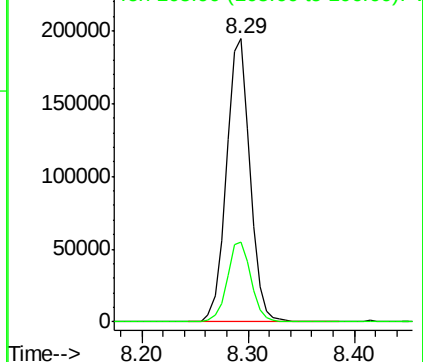
63 100

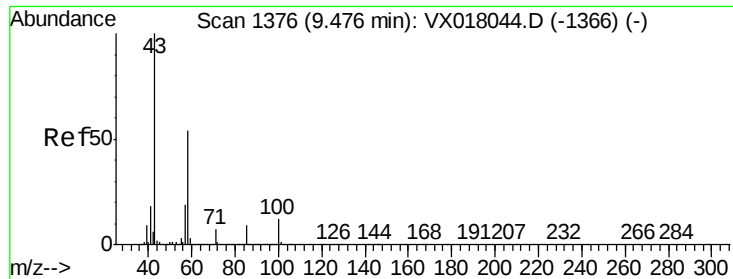
106 28.8 22.1 33.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





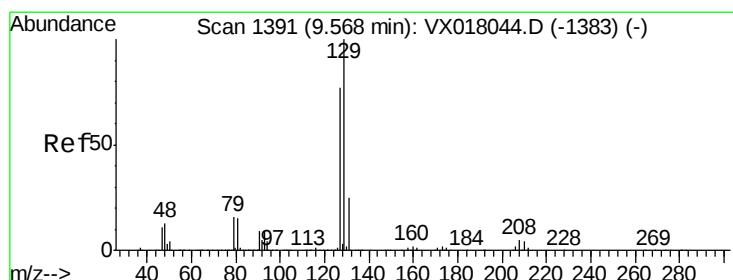
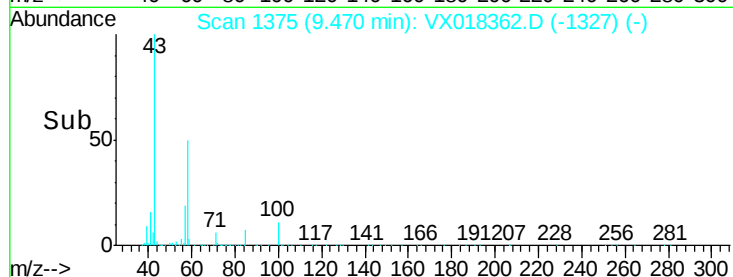
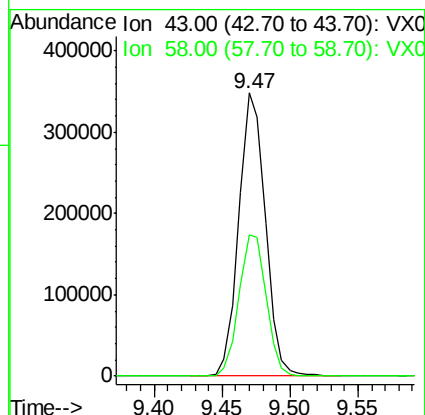
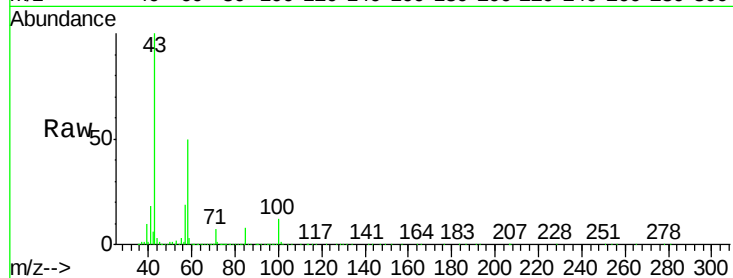
#59
2-Hexanone
Concen: 91.724 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD02

Tot Ion	43	Resp	472679
Ion Ratio	100	Lower	Upper
58	51.7	26.6	79.7

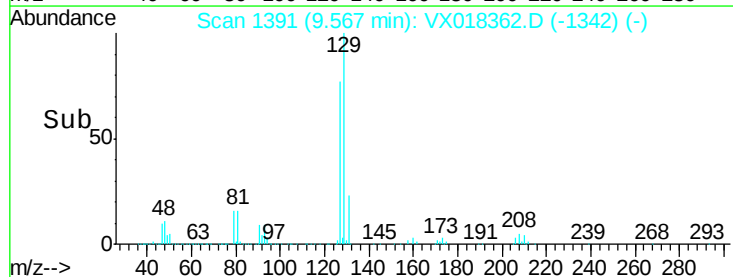
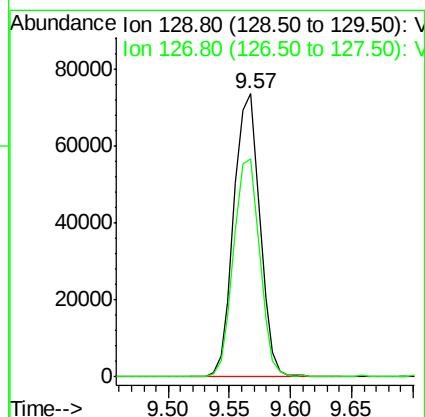
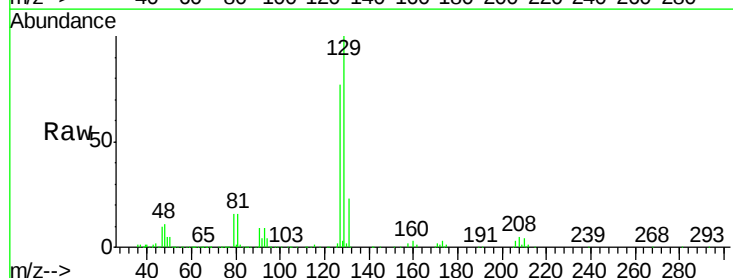
Manual Integrations
APPROVED

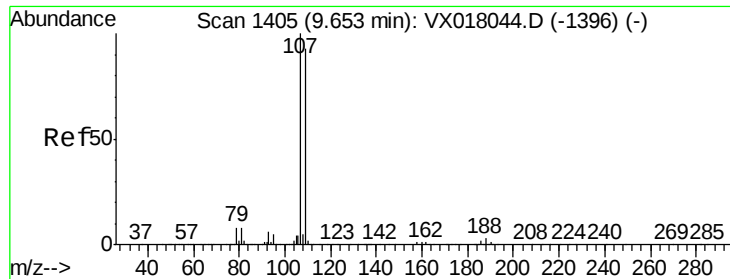
MMDadoda
9/14/2020 12:09:57 PM



#60
Dibromochloromethane
Concen: 19.887 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Tgt Ion	129	Resp	108423	
Ion Ratio	129	100	Lower	Upper
127	77.7	38.9	116.6	





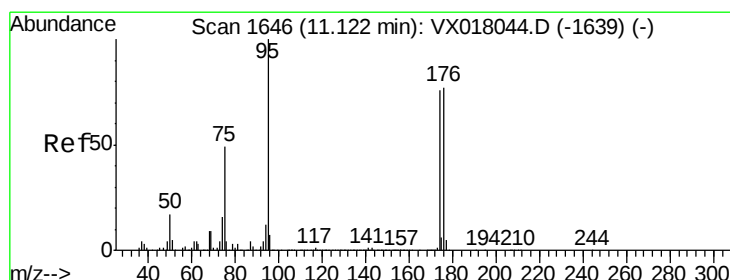
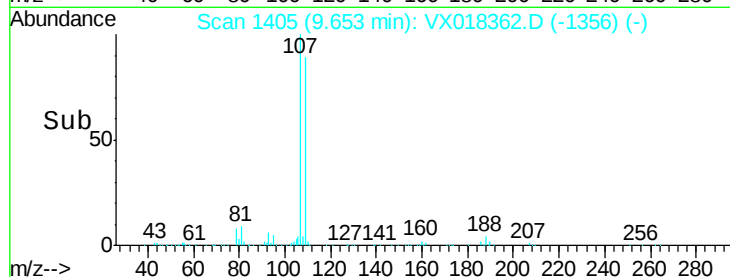
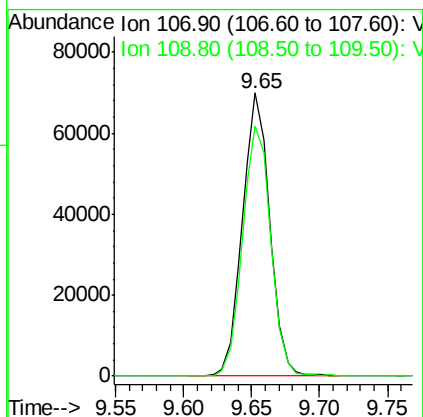
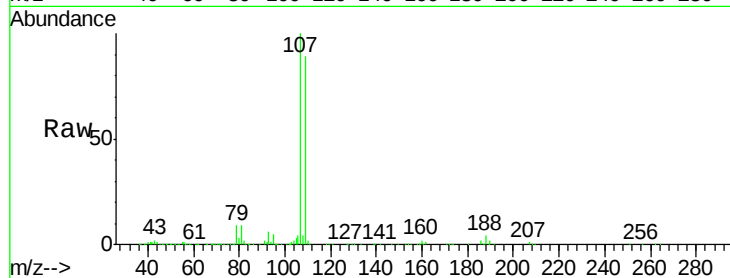
#61
 1,2-Dibromoethane
 Concen: 19.520 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX018362.D
 Acq: 11 Sep 2020 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.1	75.9	113.9

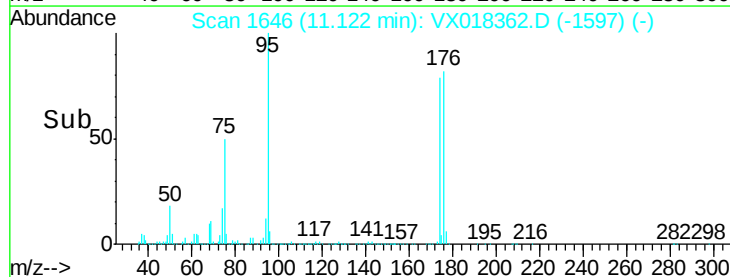
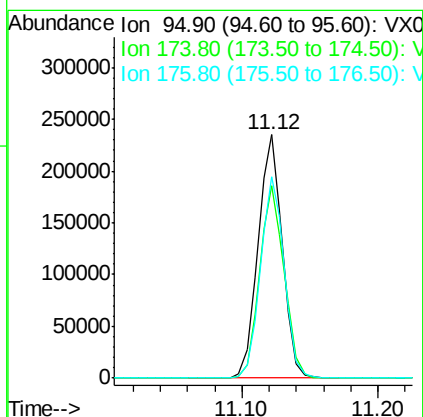
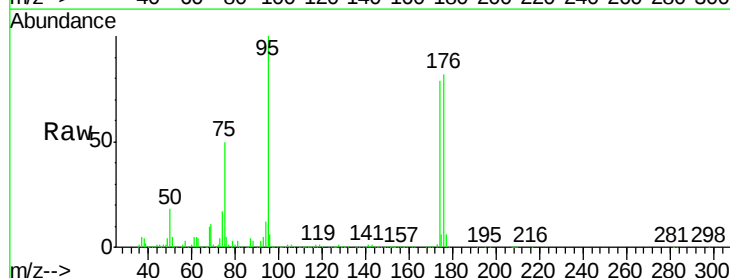
Manual Integrations
 APPROVED

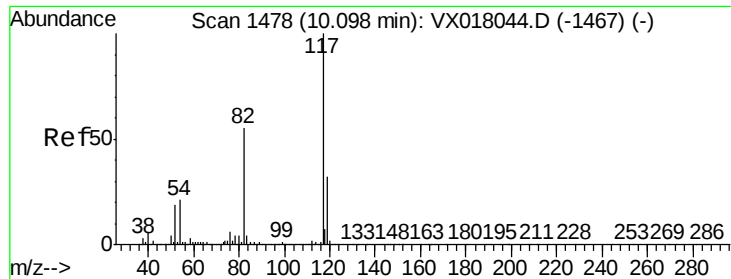
MMDadoda
 9/14/2020 12:09:57 PM



#62
 4-Bromofluorobenzene
 Concen: 46.396 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX018362.D
 Acq: 11 Sep 2020 15:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	160.2
176	81.0	0.0	155.8





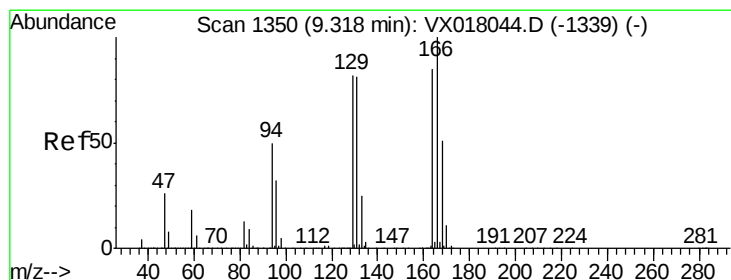
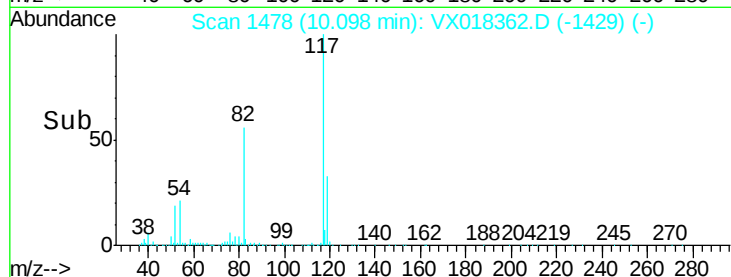
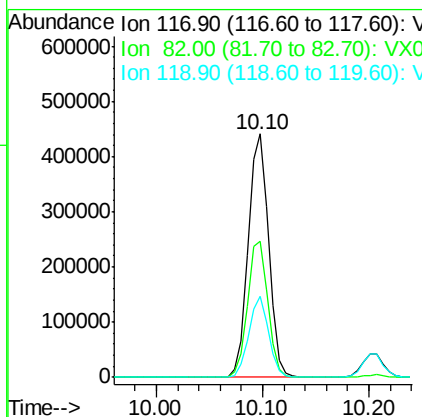
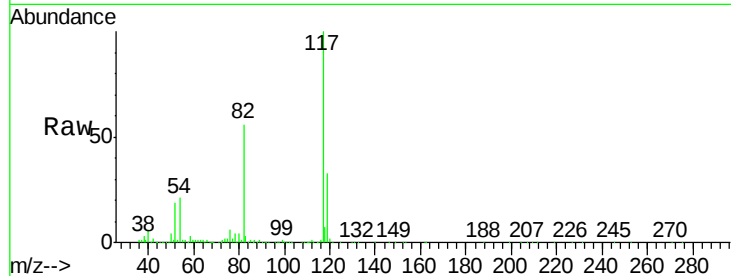
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	594798		
82	55.8	44.2	66.2	
119	33.3	25.7	38.5	

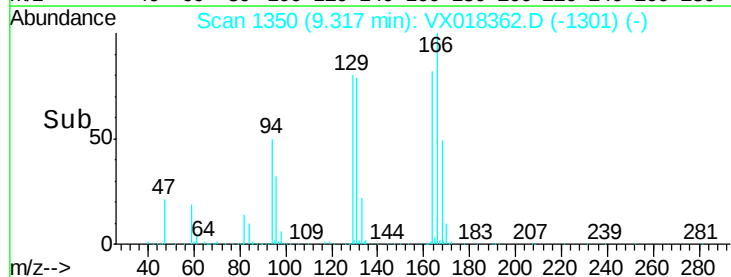
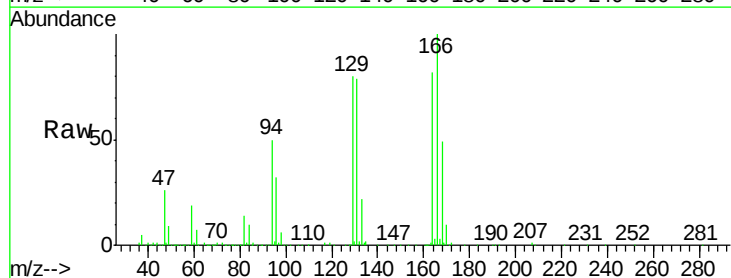
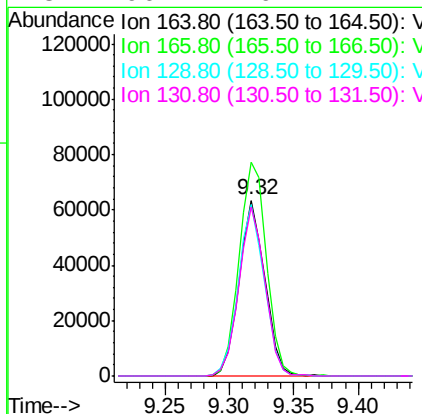
Manual Integrations
APPROVED

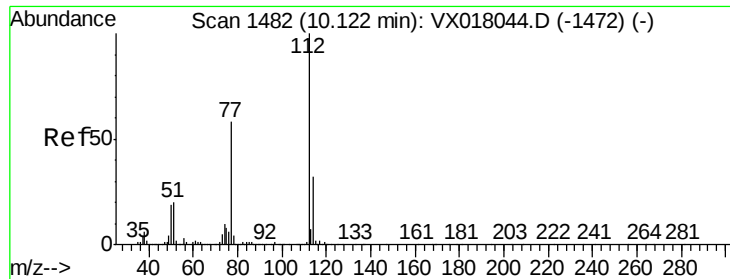
MMDadoda
9/14/2020 12:09:57 PM



#64
Tetrachloroethene
Concen: 20.016 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87487		
166	121.7	94.2	141.2	
129	98.0	76.9	115.3	
131	96.4	76.1	114.1	





#65

Chlorobenzene

Concen: 18.936 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD02

Tot Ion:112 Resp: 224946

Ion Ratio Lower Upper

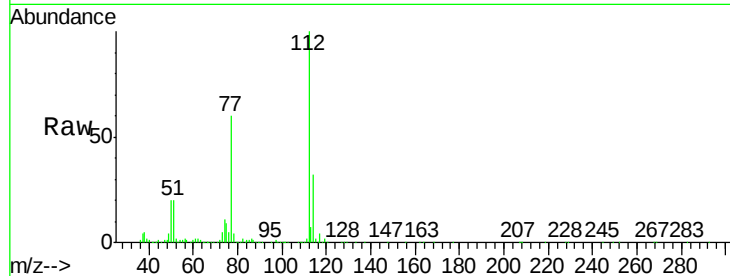
112 100

114 31.7 25.7 38.5

Manual Integrations
APPROVED

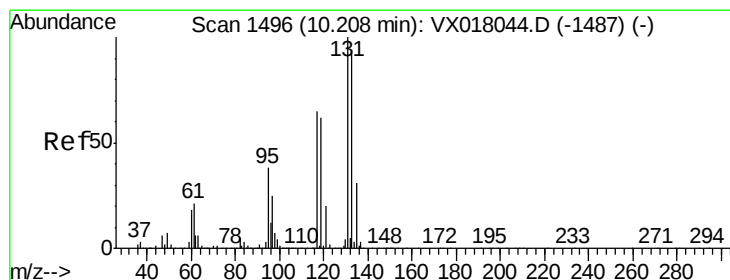
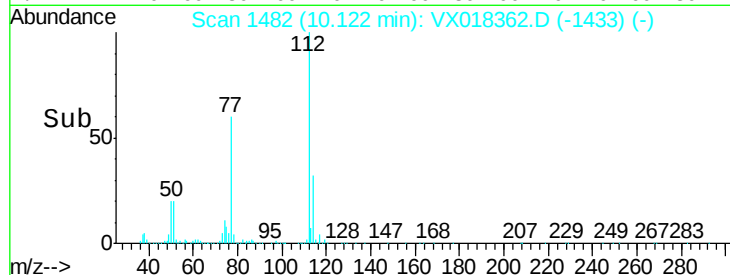
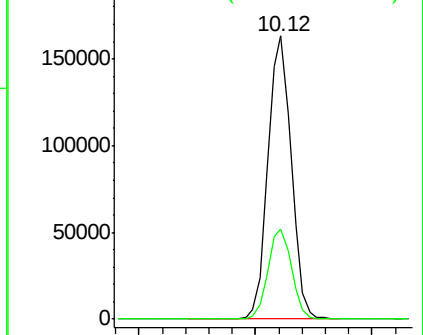
MMDadoda

9/14/2020 12:09:57 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.929 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

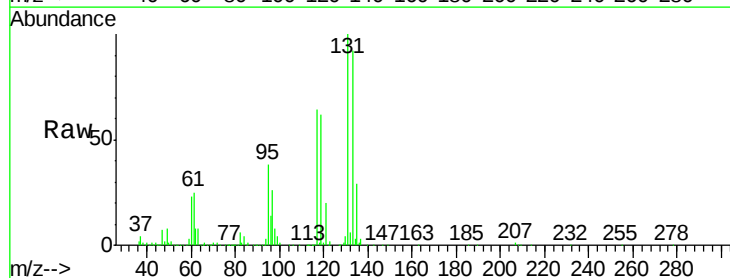
Tgt Ion:131 Resp: 93307

Ion Ratio Lower Upper

131 100

133 95.3 46.7 140.1

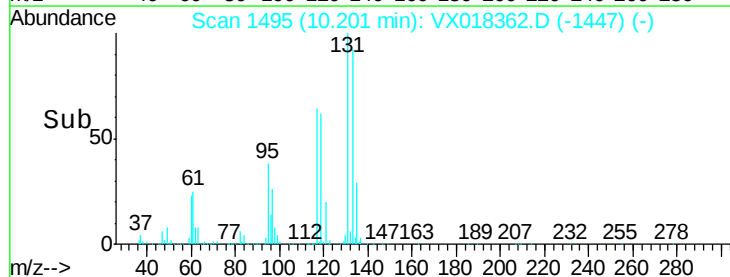
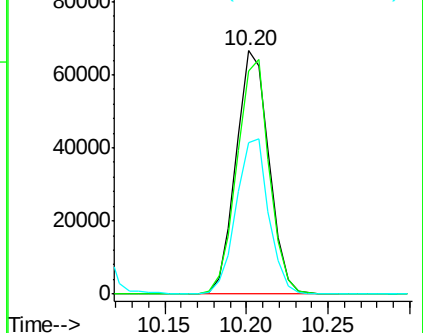
119 63.5 31.8 95.4

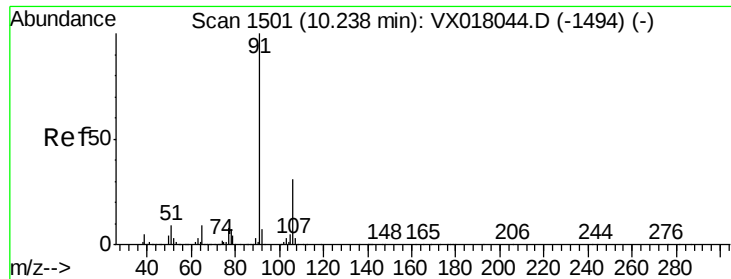


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





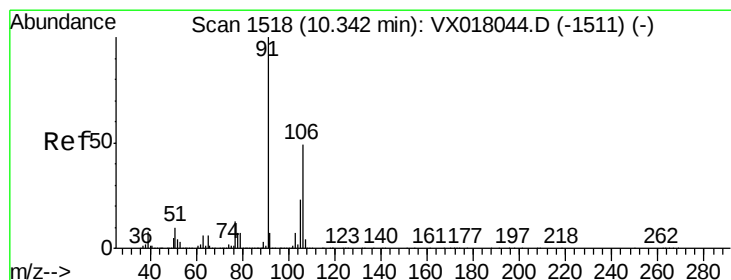
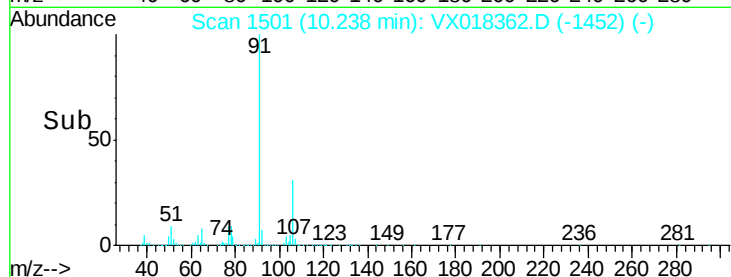
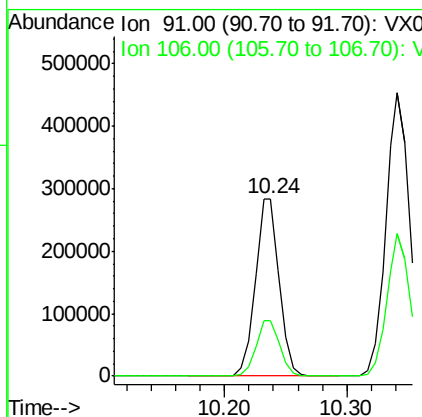
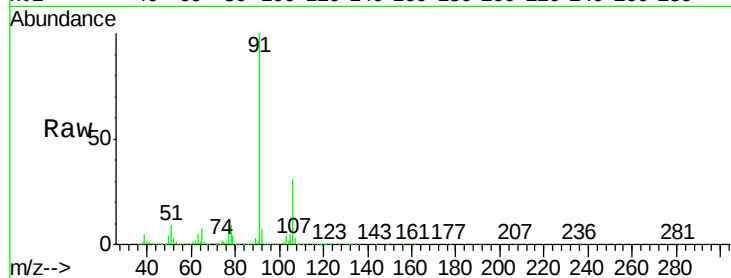
#67
Ethyl Benzene
Concen: 19.078 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD02

Tot Ion: 91 Resp: 385407
Ion Ratio Lower Upper
91 100
106 31.5 24.9 37.3

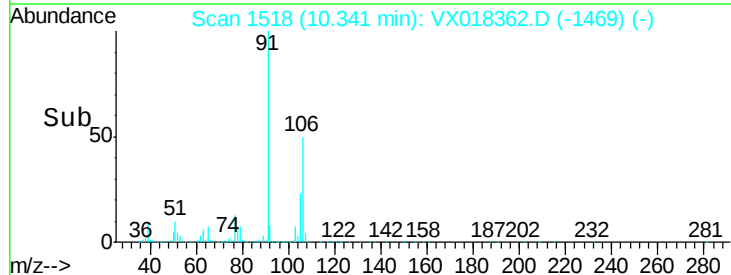
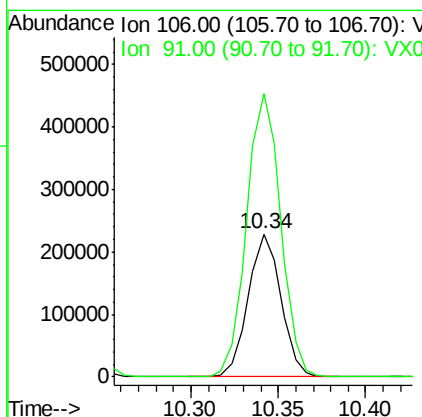
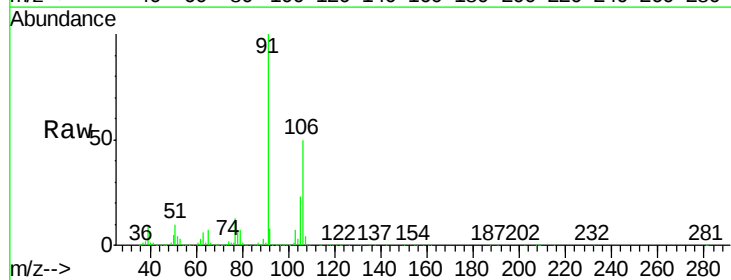
Manual Integrations
APPROVED

MMDadoda
9/14/2020 12:09:57 PM



#68
m/p-Xylenes
Concen: 39.511 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Tgt Ion: 106 Resp: 297928
Ion Ratio Lower Upper
106 100
91 205.8 162.2 243.2





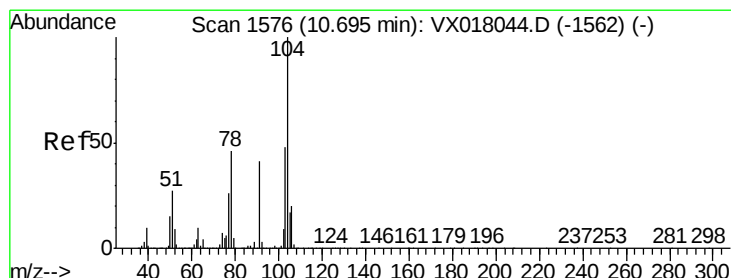
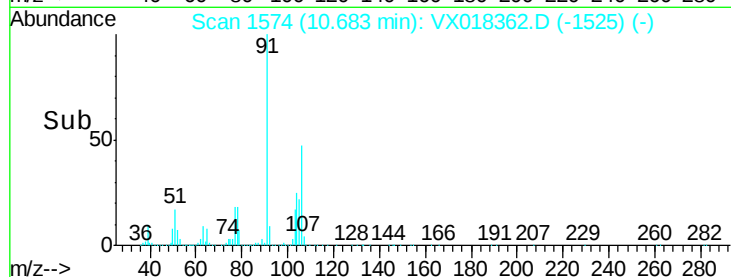
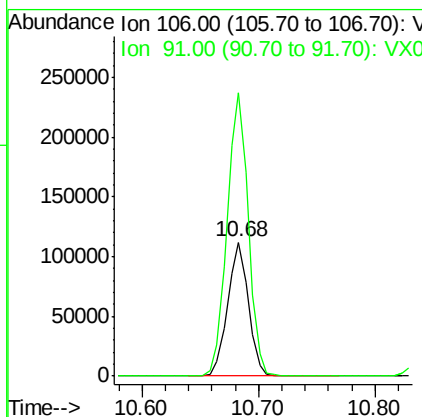
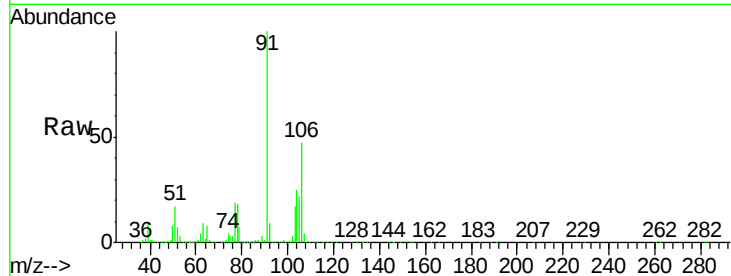
#69
o-Xylene
Concen: 18.918 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.4	107.1	321.3

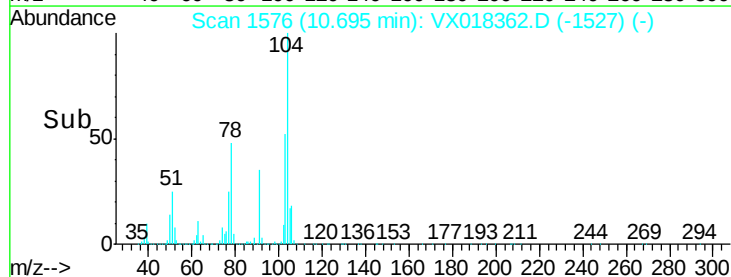
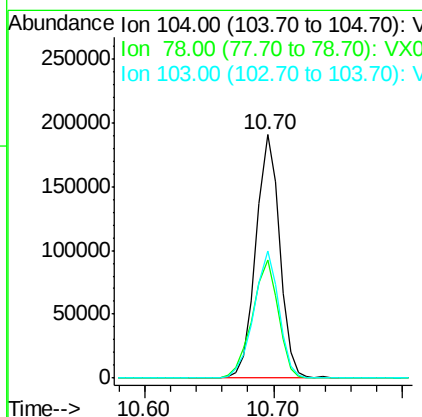
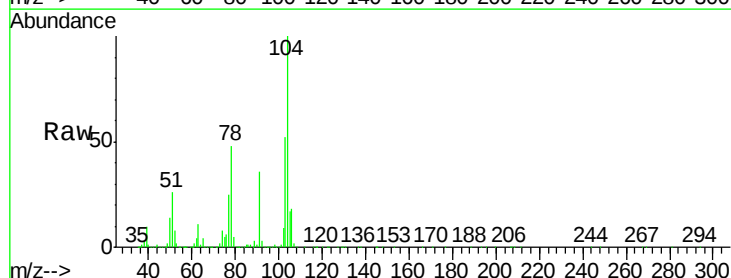
Manual Integrations
APPROVED

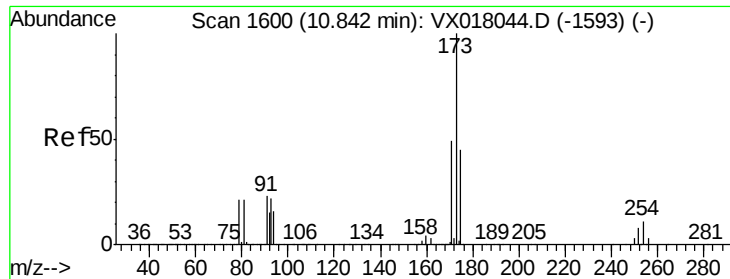
MMDadoda
9/14/2020 12:09:57 PM



#70
Styrene
Concen: 19.378 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.3	40.9	61.3
103	55.6	43.6	65.4





#71

Bromoform

Concen: 20.790 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD02

Tot Ion:173 Resp: 83026

Ion Ratio Lower Upper

173 100

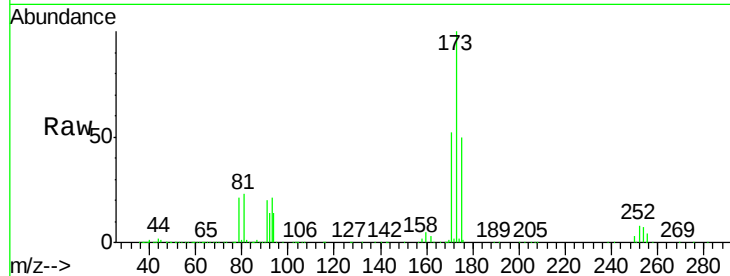
175 48.2 23.9 71.8

254 0.3 0.2 0.2#

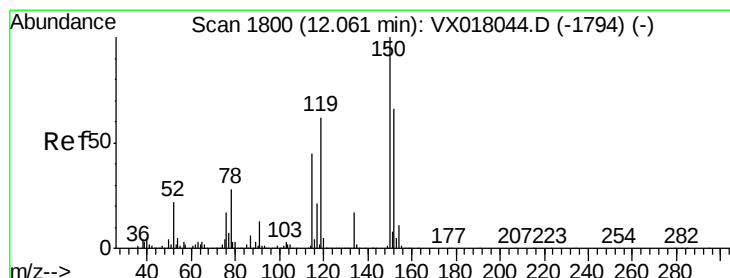
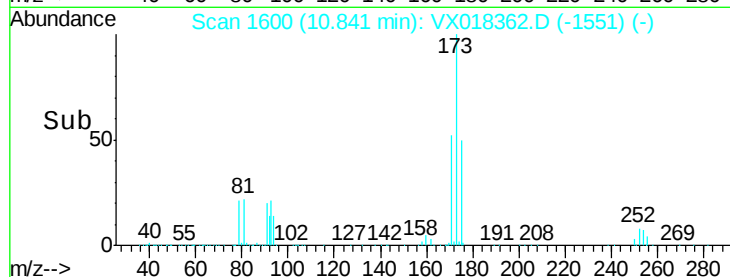
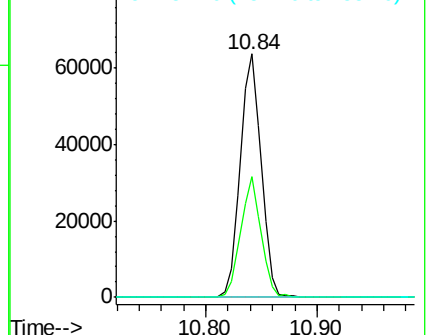
Manual Integrations
APPROVED

MMDadoda

9/14/2020 12:09:57 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

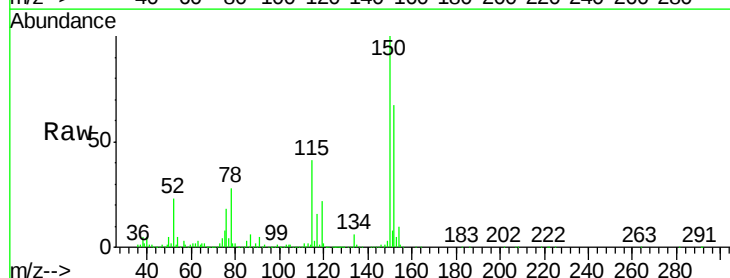
Tgt Ion:152 Resp: 321089

Ion Ratio Lower Upper

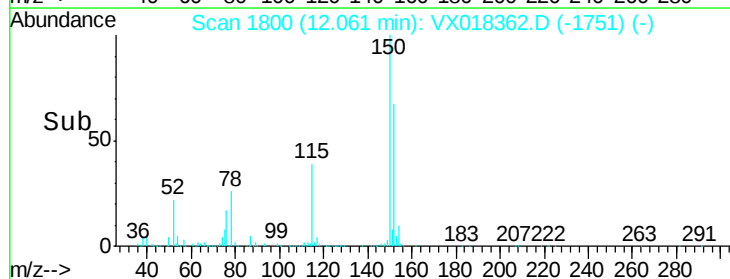
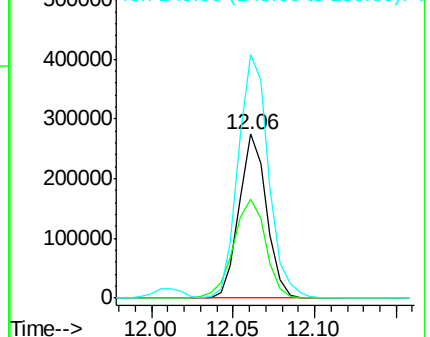
152 100

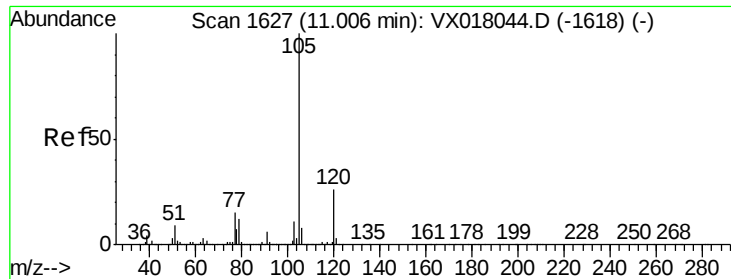
115 70.3 41.5 124.5

150 163.5 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.176 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD02

Tot Ion: 105 Resp: 384965

Ion Ratio Lower Upper

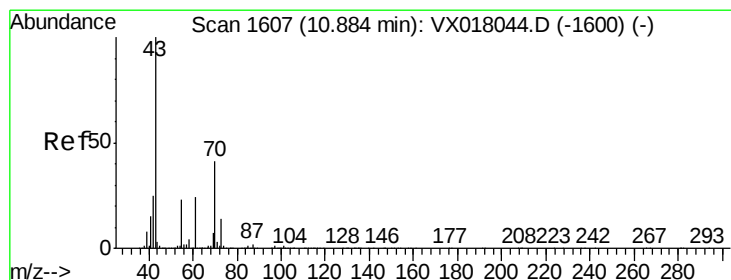
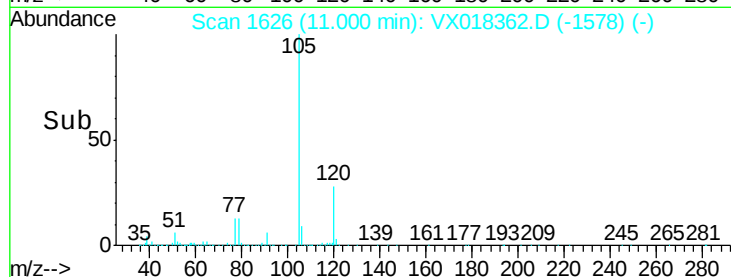
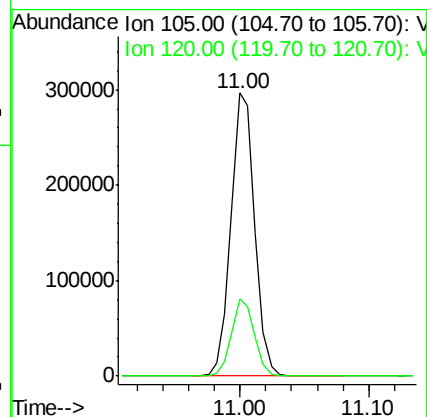
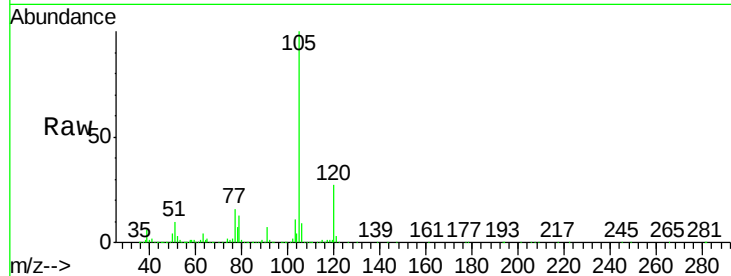
105 100

120 26.4 13.2 39.5

Manual Integrations
APPROVED

MMDadoda

9/14/2020 12:09:57 PM



#74

N-ethyl acetate

Concen: 16.515 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.01 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Tgt Ion: 43 Resp: 165956

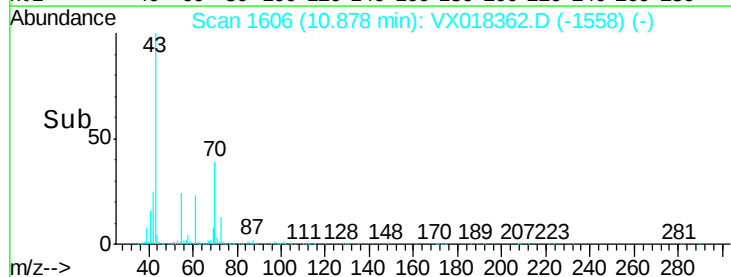
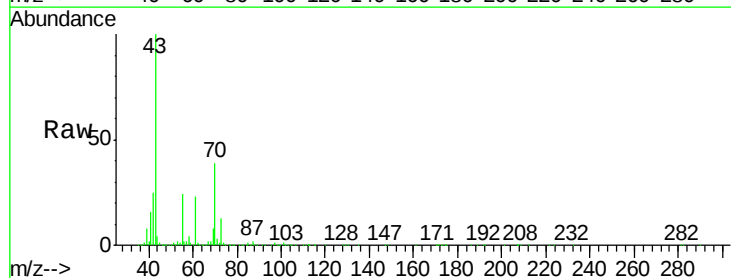
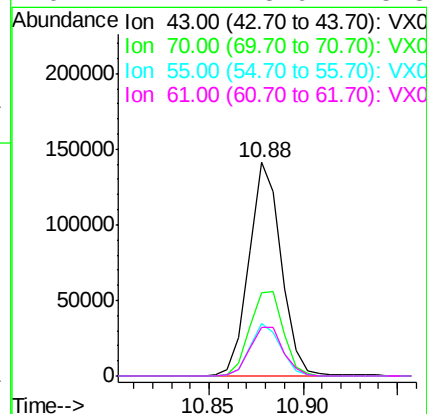
Ion Ratio Lower Upper

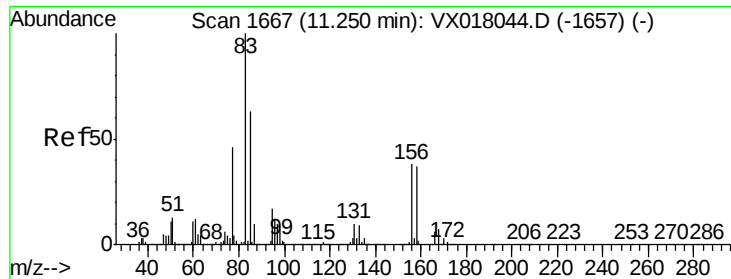
43 100

70 41.9 32.3 48.5

55 23.9 18.2 27.2

61 24.1 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 17.639 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

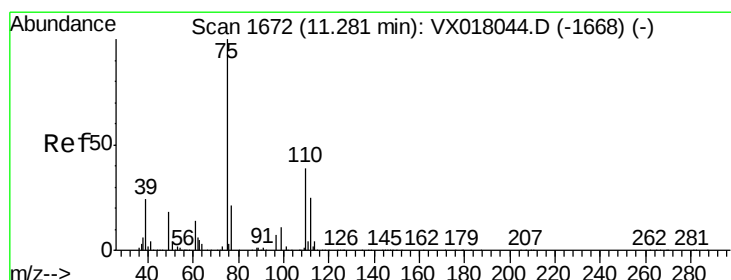
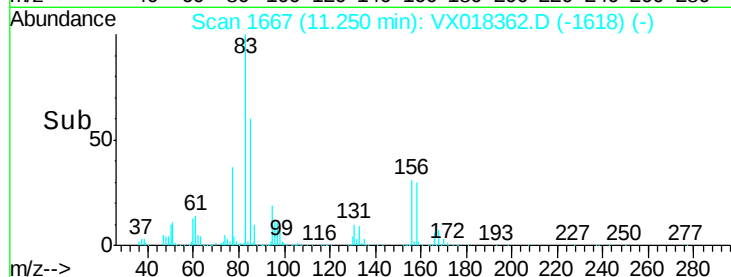
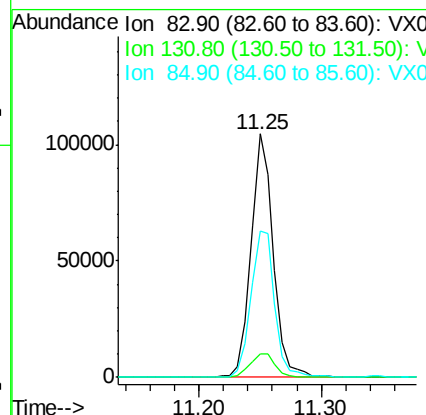
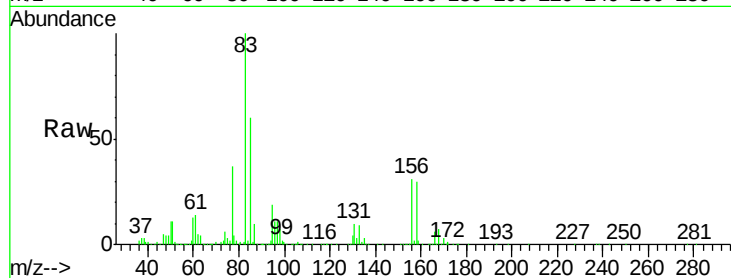
ClientSampleId :

VX0911WBSD02

Tot Ion:	83	Resp:	131790
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.1	15.4
85	64.7	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
9/14/2020 12:09:57 PM



#76

1,2,3-Trichloropropane

Concen: 17.618 ug/l m

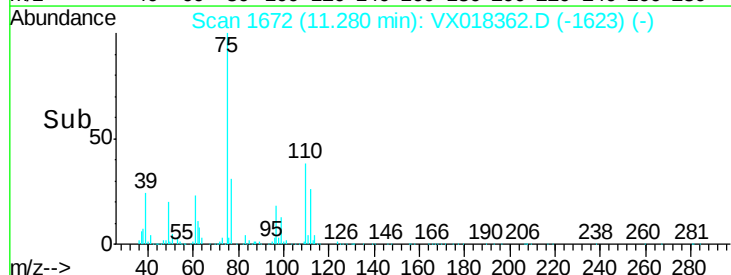
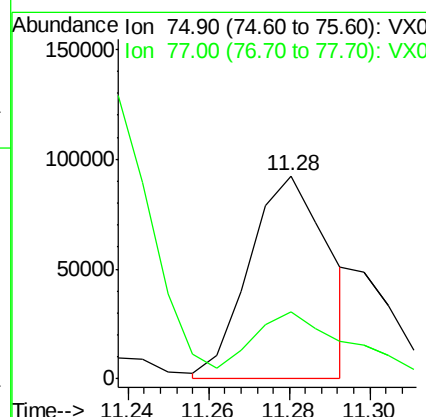
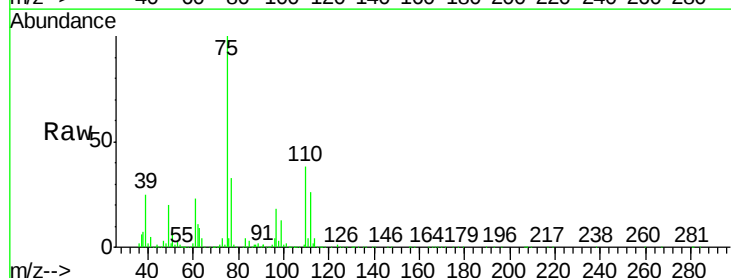
RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Tgt Ion:	75	Resp:	125840
Ion Ratio	Lower	Upper	
75	100		
77	40.7	20.8	62.2





#77

Bromobenzene

Concen: 17.659 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

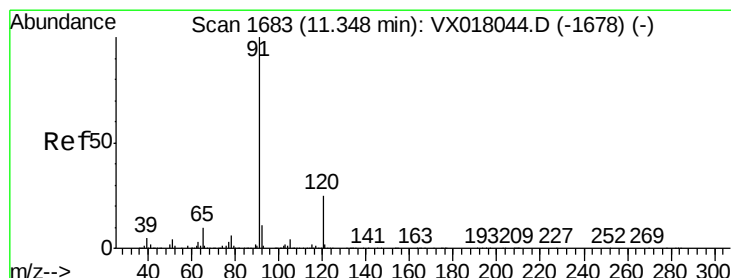
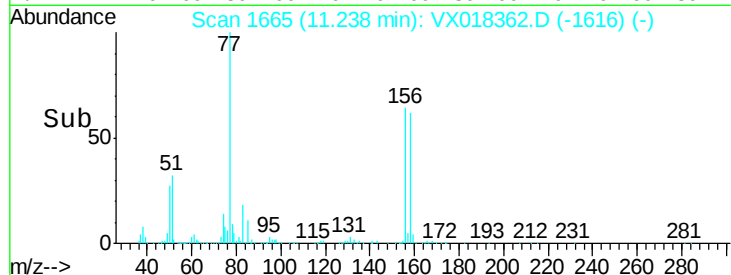
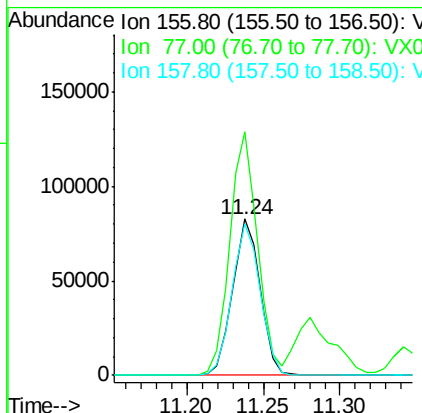
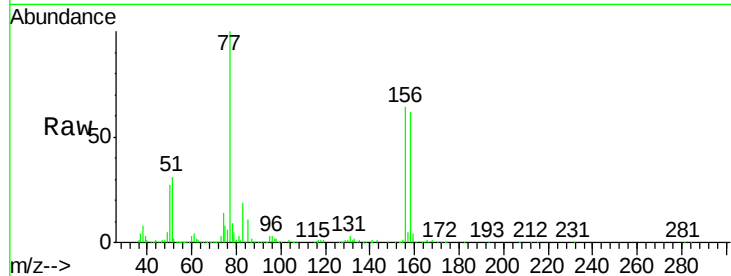
ClientSampleId :

VX0911WBSD02

Tot Ion:	156	Resp:	103384
Ion Ratio	Lower	Upper	
156	100		
77	156.5	80.0	240.2
158	98.9	49.5	148.7

Manual Integrations
APPROVED

MMDadoda
9/14/2020 12:09:57 PM



#78

n-propylbenzene

Concen: 18.420 ug/l

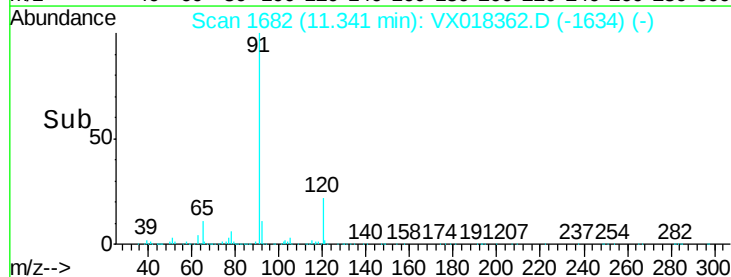
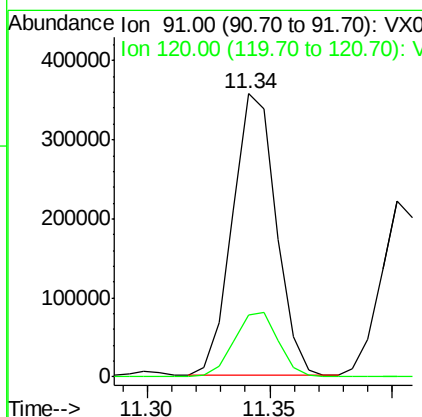
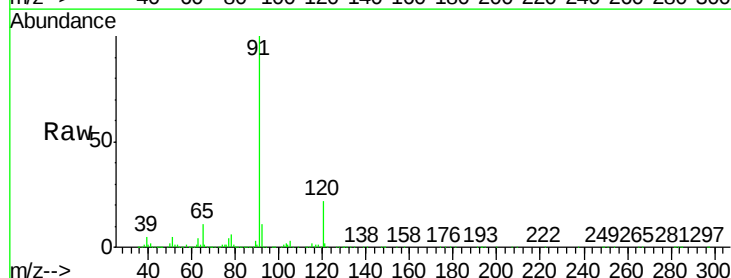
RT: 11.34 min Scan# 1682

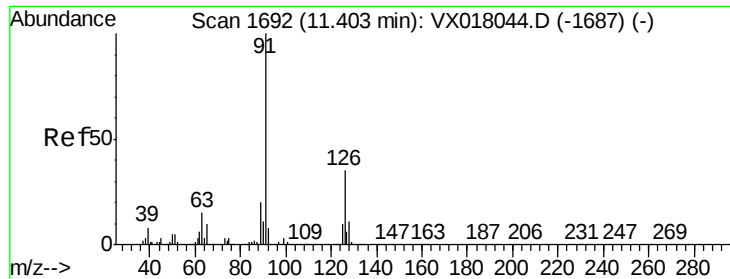
Delta R.T. -0.01 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Tgt Ion:	91	Resp:	442969
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.9	35.9





#79

2-Chlorotoluene

Concen: 18.566 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD02

Tot Ion: 91 Resp: 275842

Ion Ratio Lower Upper

91 100

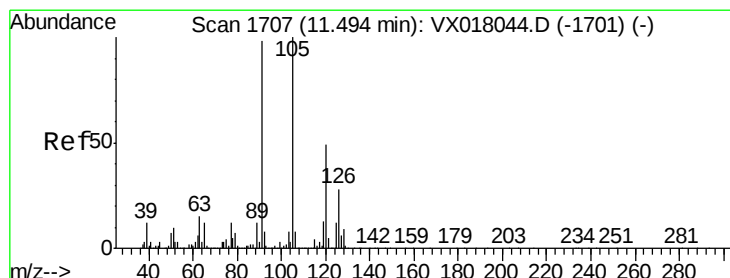
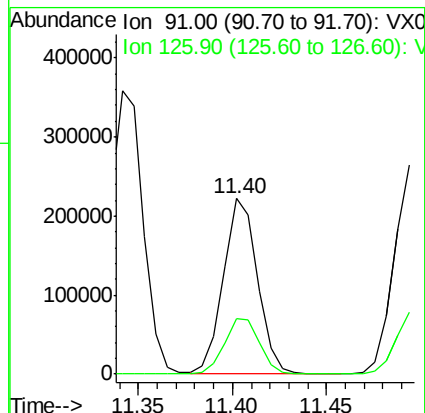
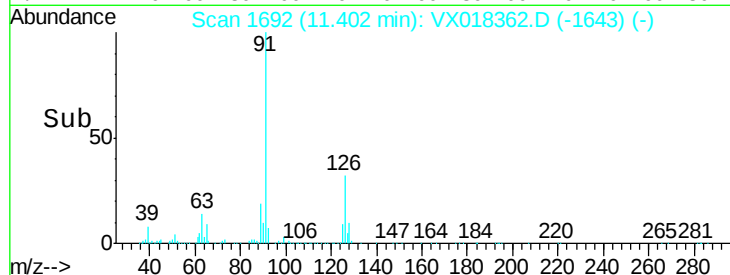
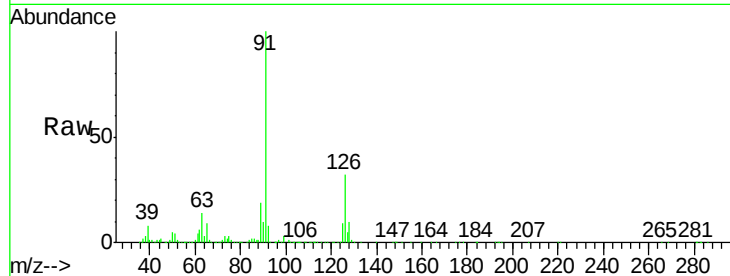
126 33.0 17.4 52.2

Manual Integrations

APPROVED

MMDadoda

9/14/2020 12:09:57 PM



#80

1,3,5-Trimethylbenzene

Concen: 19.208 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018362.D

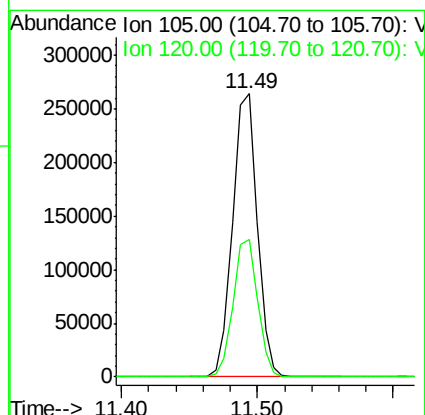
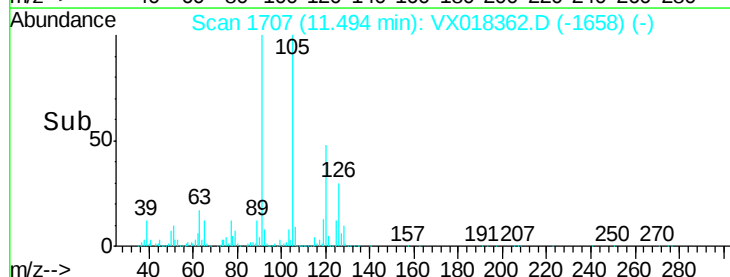
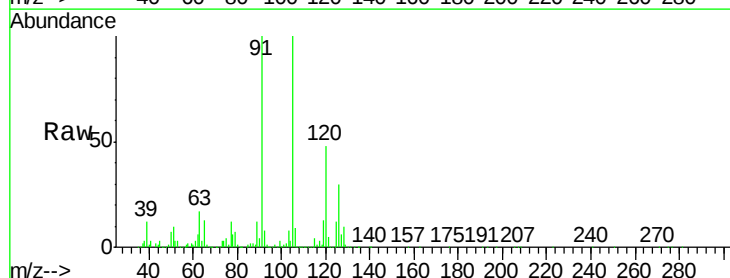
Acq: 11 Sep 2020 15:27

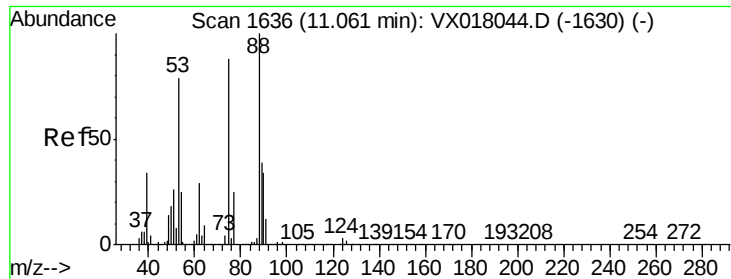
Tgt Ion: 105 Resp: 334306

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.090 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD02

Tot Ion: 75 Resp: 45197

Ion Ratio Lower Upper

75 100

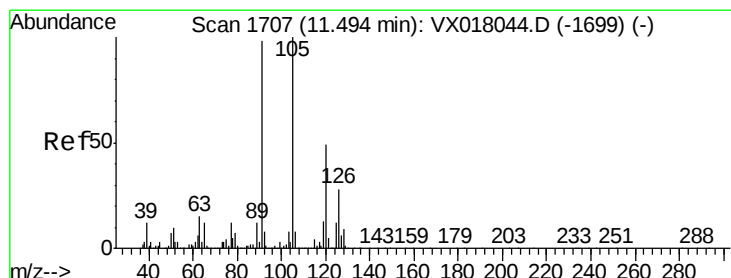
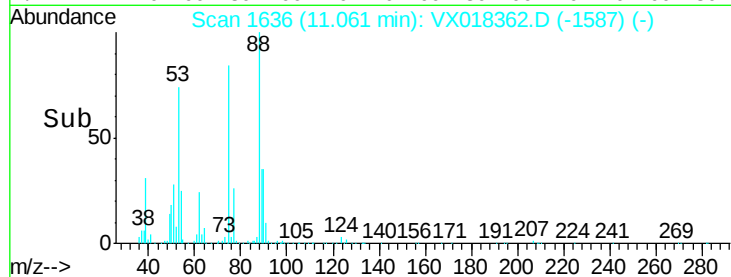
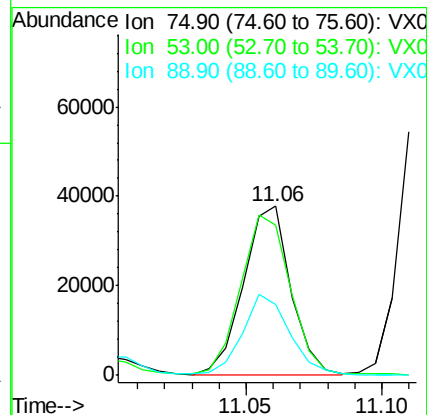
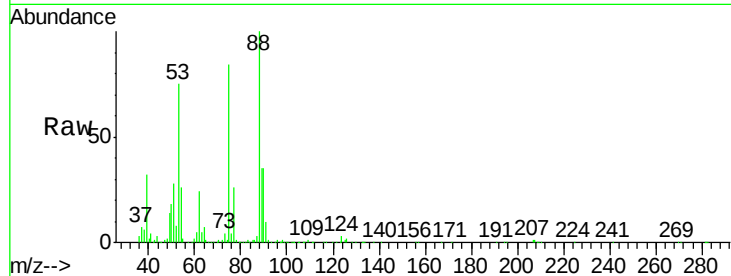
53 99.9 74.7 112.1

89 49.3 36.6 54.8

Manual Integrations
APPROVED

MMDadoda

9/14/2020 12:09:57 PM



#82

4-Chlorotoluene

Concen: 18.064 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018362.D

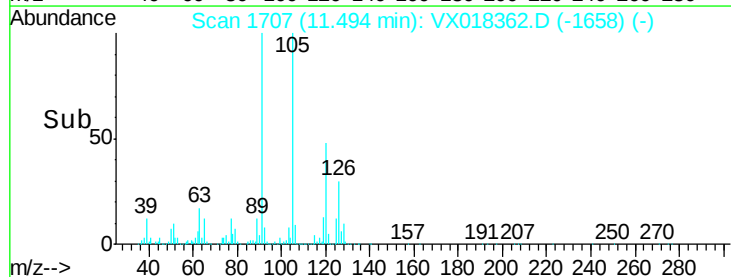
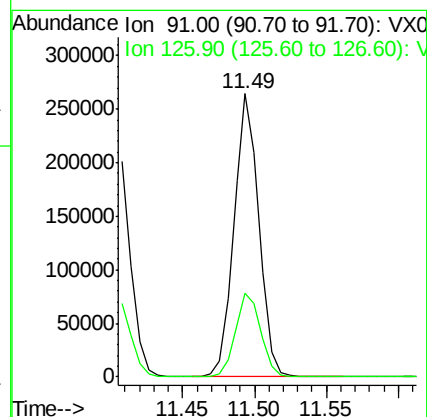
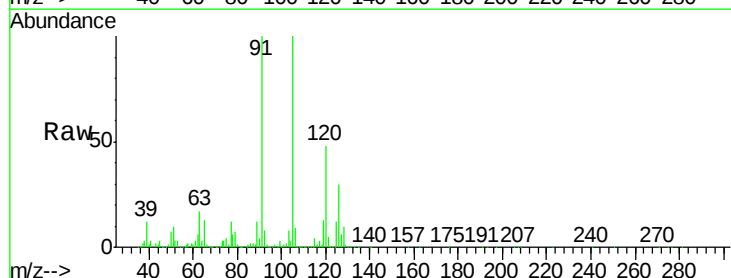
Acq: 11 Sep 2020 15:27

Tgt Ion: 91 Resp: 319063

Ion Ratio Lower Upper

91 100

126 30.2 15.1 45.3





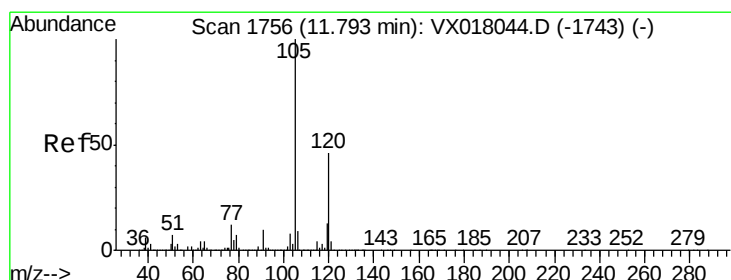
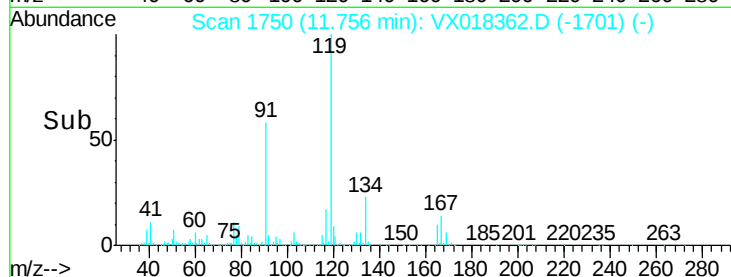
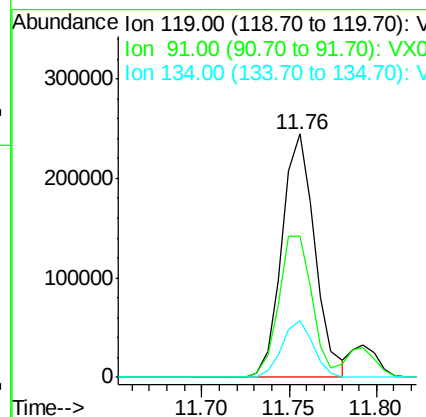
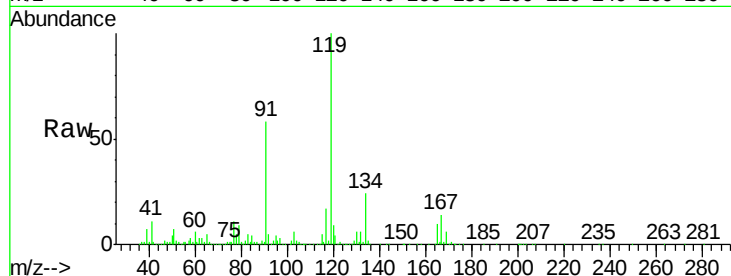
#83
tert-Butylbenzene
Concen: 18.810 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	323083		
91	58.1	28.2	84.7	
134	22.3	11.3	33.8	

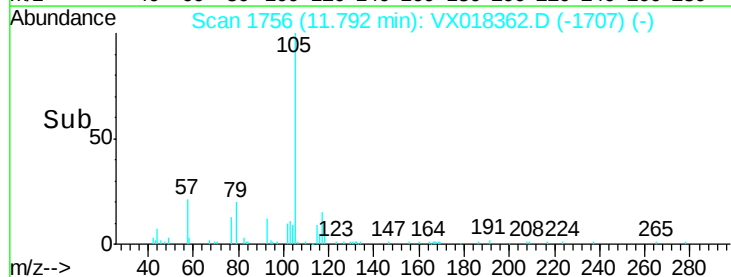
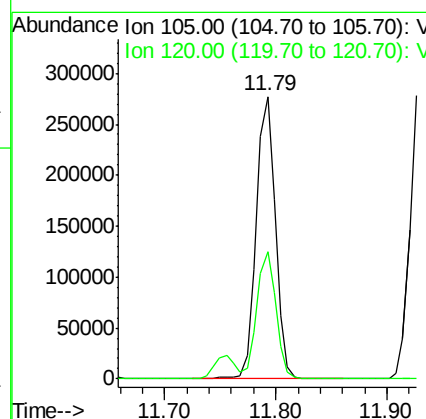
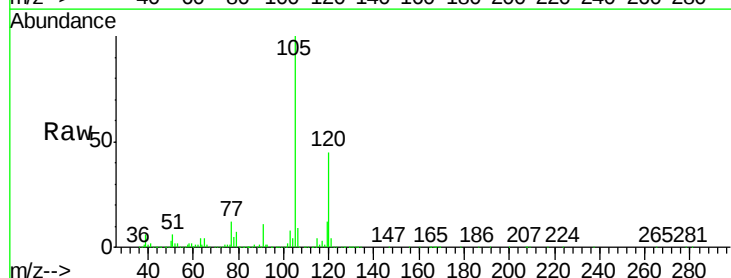
Manual Integrations
APPROVED

MMDadoda
9/14/2020 12:09:57 PM



#84
1,2,4-Trimethylbenzene
Concen: 18.775 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	334081		
120	44.9	22.3	66.9	





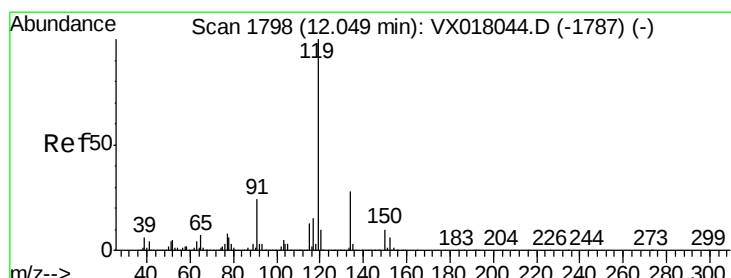
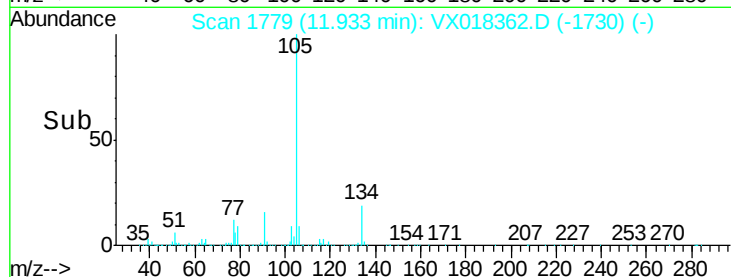
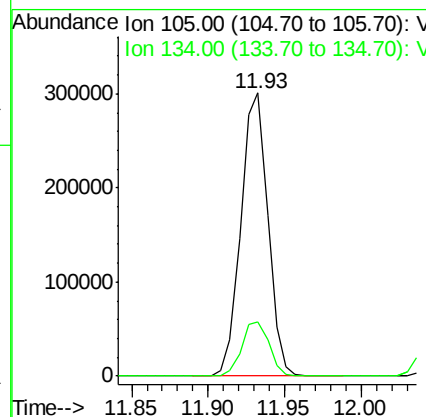
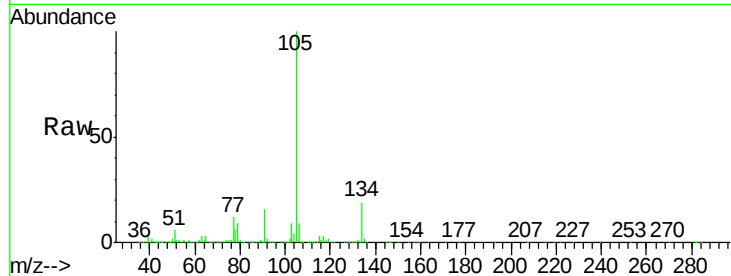
#85
 sec-Butylbenzene
 Concen: 18.833 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX018362.D
 Acq: 11 Sep 2020 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.1	30.3

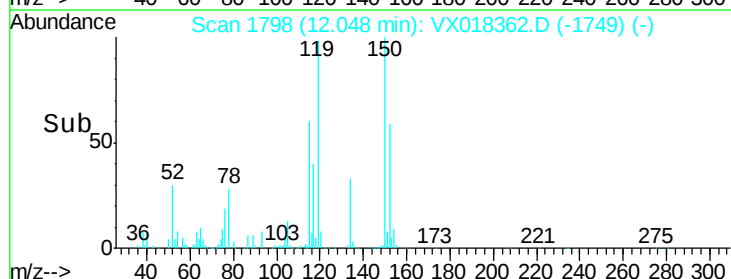
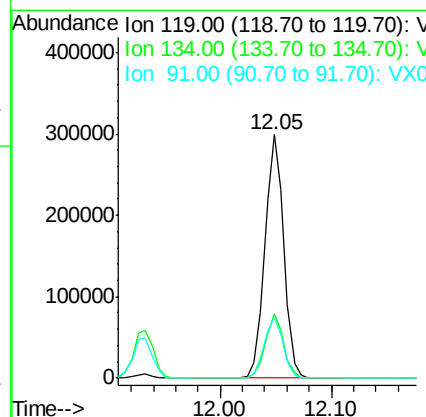
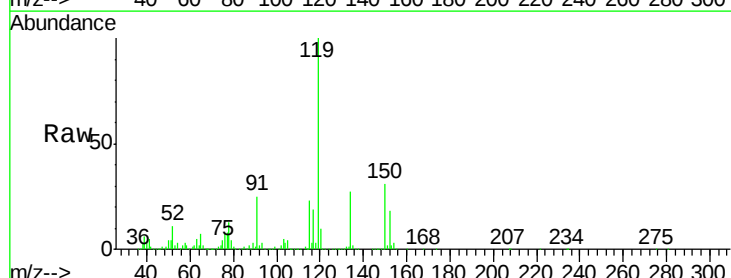
Manual Integrations
 APPROVED

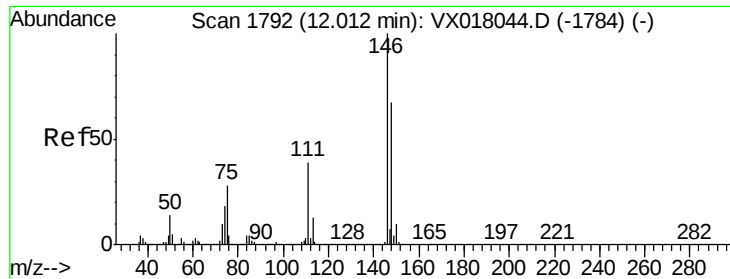
MMDadoda
 9/14/2020 12:09:57 PM



#86
 p-Isopropyltoluene
 Concen: 19.705 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX018362.D
 Acq: 11 Sep 2020 15:27

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.2	39.5
91	25.1	11.8	35.4





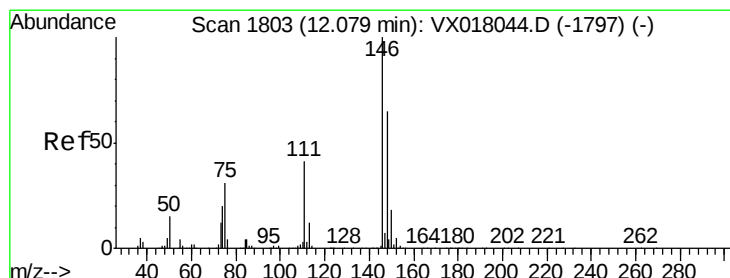
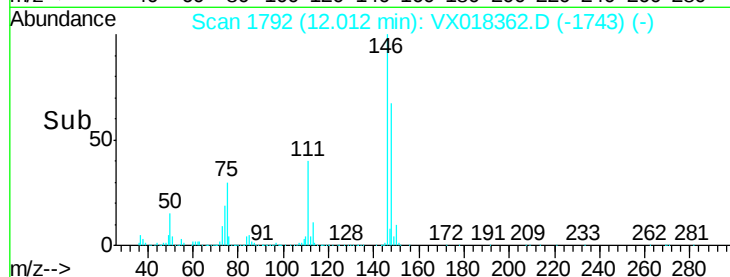
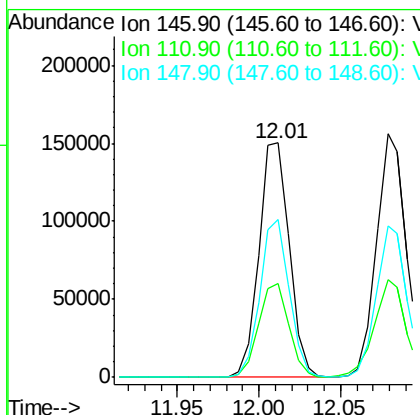
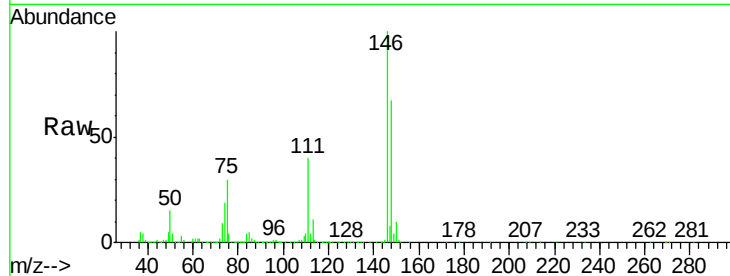
#87
 1,3-Dichlorobenzene
 Concen: 18.852 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX018362.D
 Acq: 11 Sep 2020 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.6	61.8
148	65.4	33.1	99.2

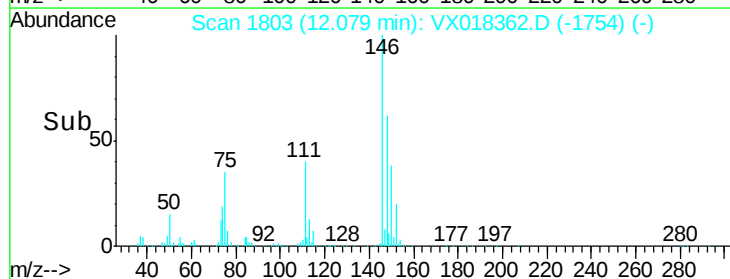
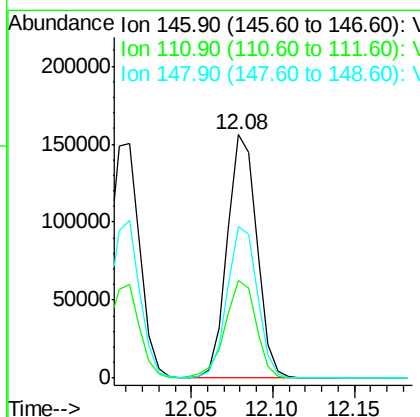
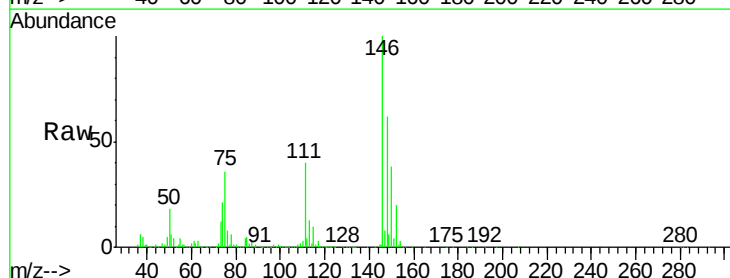
Manual Integrations
 APPROVED

MMDadoda
 9/14/2020 12:09:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.089 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX018362.D
 Acq: 11 Sep 2020 15:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.3	60.8
148	63.6	33.1	99.2





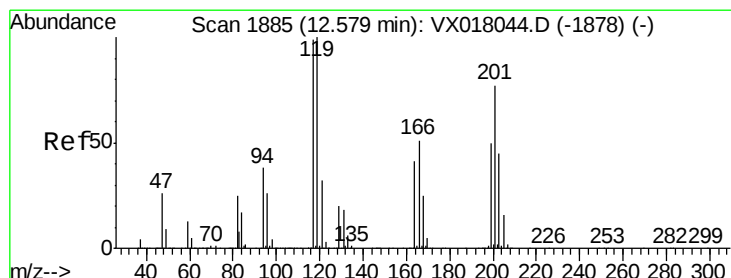
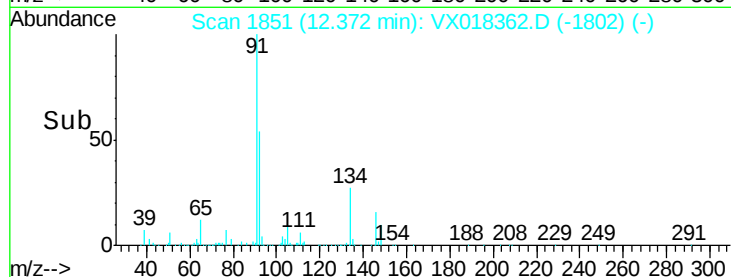
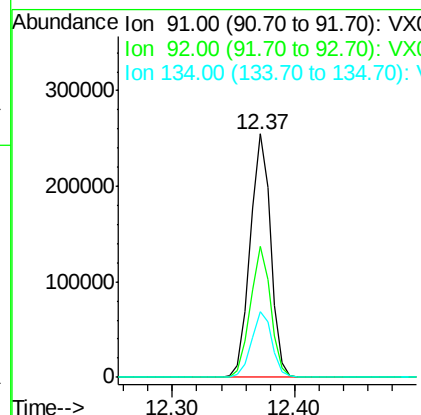
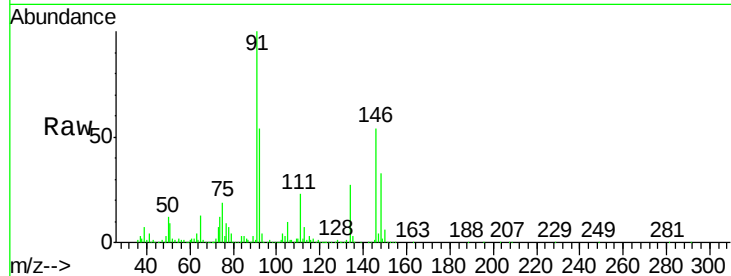
#89
n-Butylbenzene
Concen: 18.078 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	296038		
92	53.3	26.4	79.2	
134	27.3	12.9	38.7	

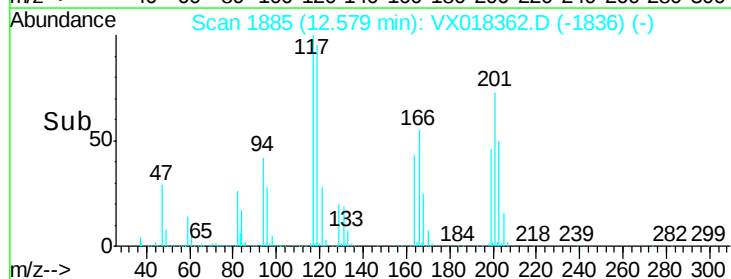
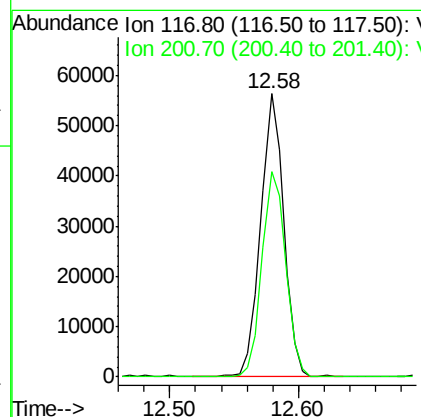
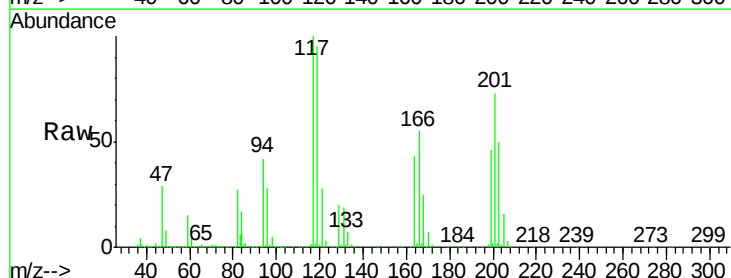
Manual Integrations
APPROVED

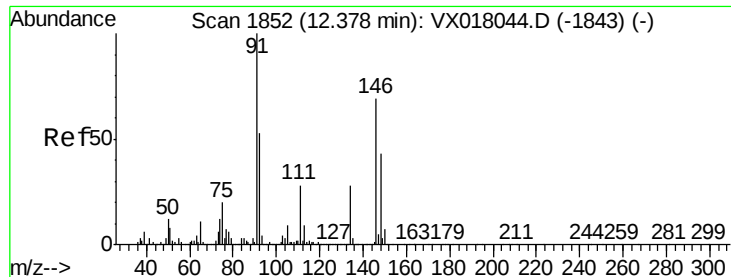
MMDadoda
9/14/2020 12:09:57 PM



#90
Hexachloroethane
Concen: 19.706 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	69559		
201	74.4	38.5	115.3	





#91

1,2-Dichlorobenzene

Concen: 19.134 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

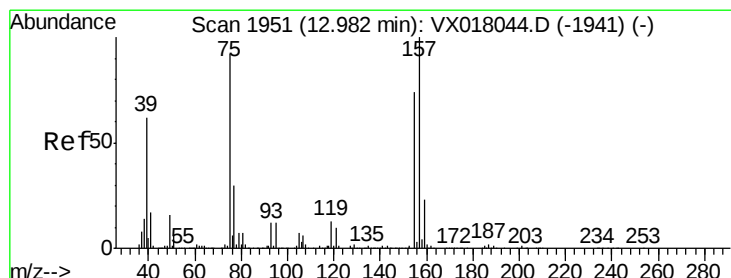
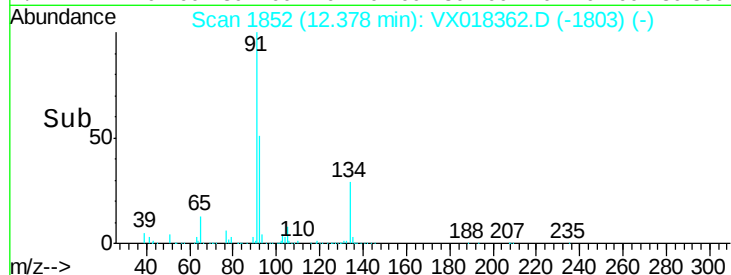
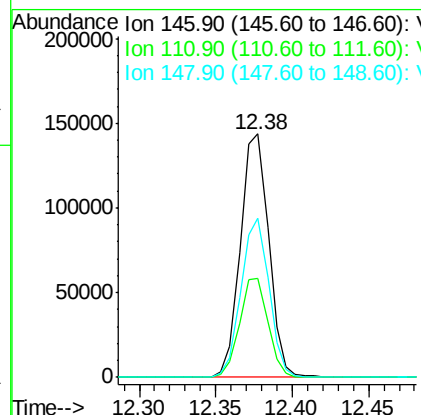
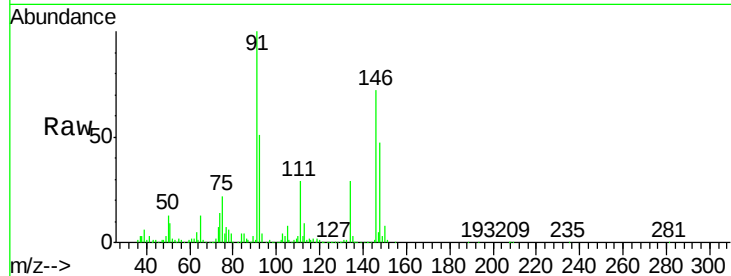
ClientSampleId :

VX0911WBSD02

Tot Ion:	146	Resp:	185129
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.8	62.5
148	64.7	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
9/14/2020 12:09:57 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.328 ug/l

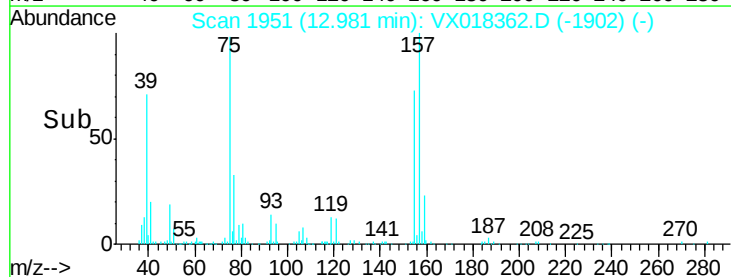
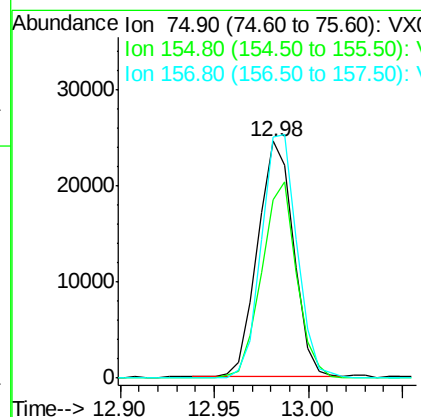
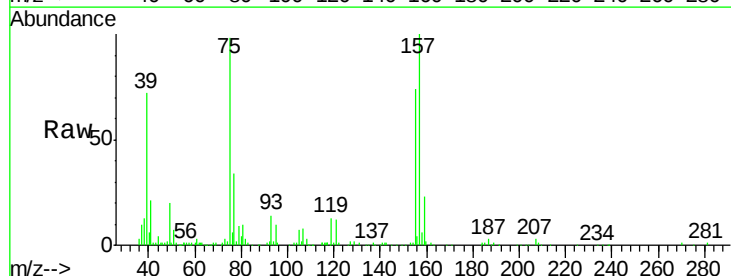
RT: 12.98 min Scan# 1951

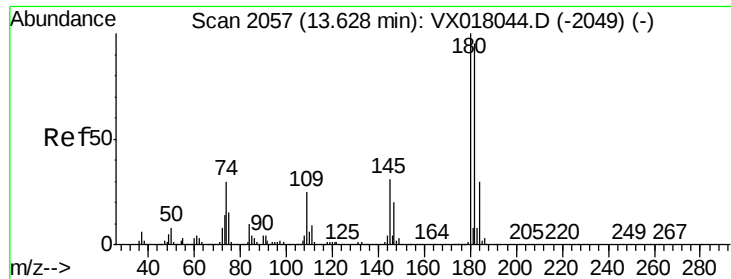
Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Tgt Ion:	75	Resp:	32371
Ion Ratio	Lower	Upper	
75	100		
155	80.9	40.2	120.6
157	102.8	55.0	165.2





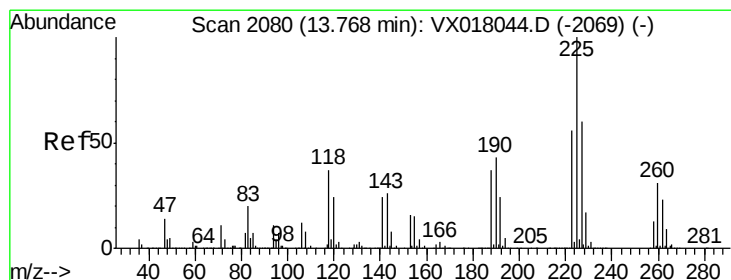
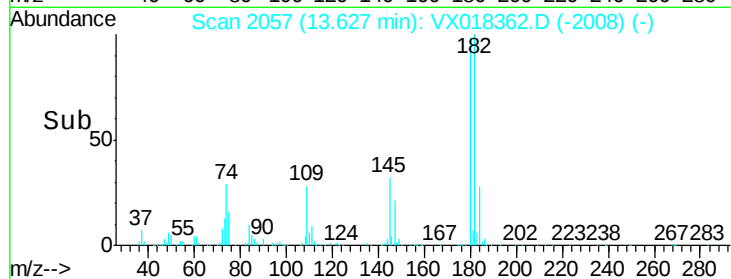
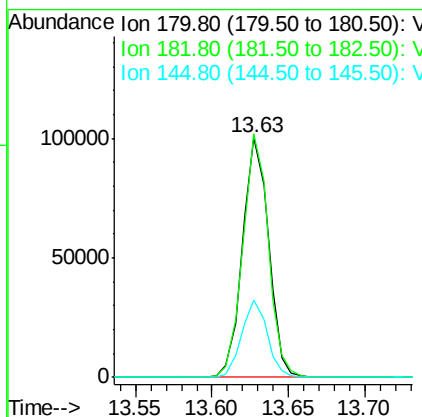
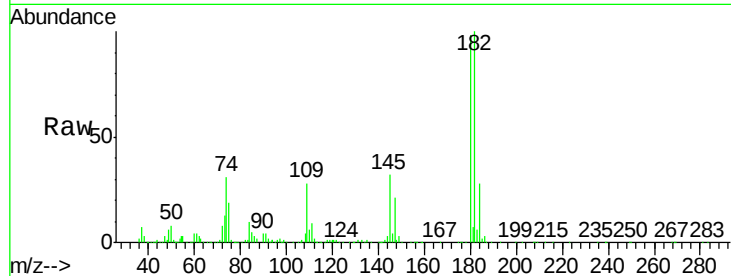
#93
1,2,4-Trichlorobenzene
Concen: 18.389 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	118644		
182	99.5	47.5	142.6	
145	31.5	15.7	47.1	

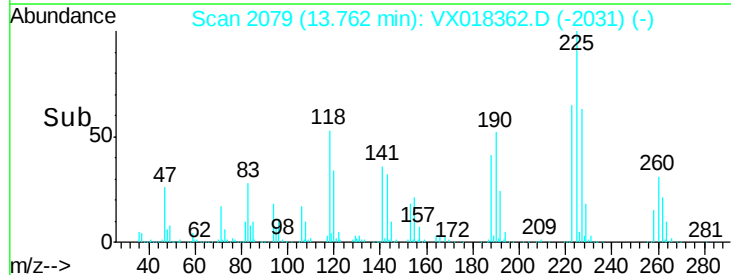
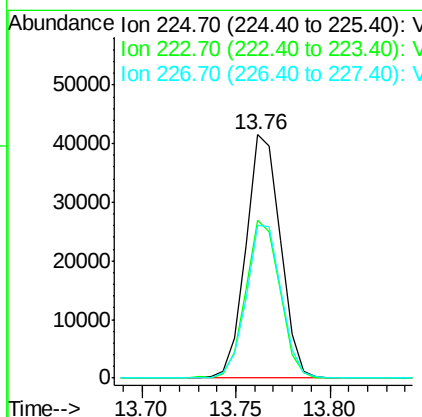
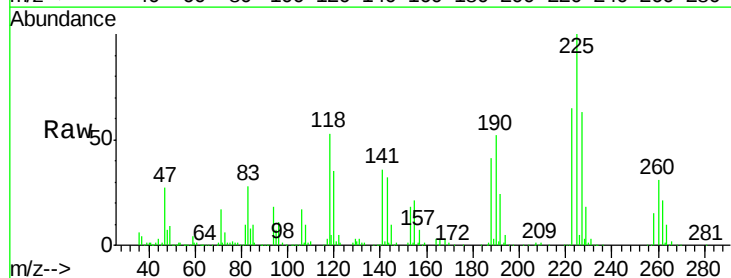
Manual Integrations
APPROVED

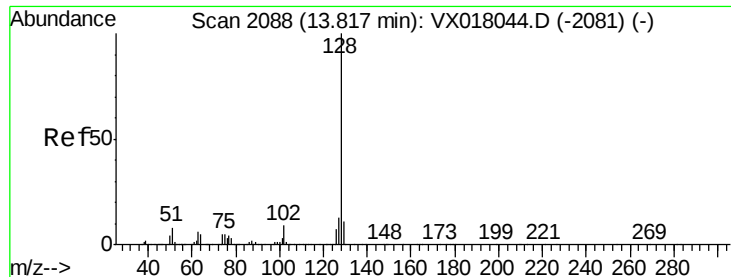
MMDadoda
9/14/2020 12:09:57 PM



#94
Hexachlorobutadiene
Concen: 20.837 ug/l
RT: 13.76 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX018362.D
Acq: 11 Sep 2020 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53027		
223	63.6	30.7	92.1	
227	63.5	32.6	97.8	





#95

Naphthalene

Concen: 17.940 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Instrument :

MSVOA_X

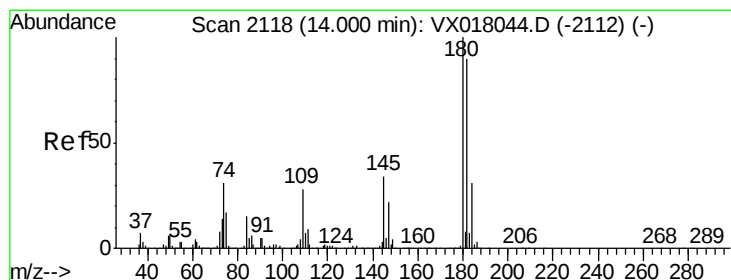
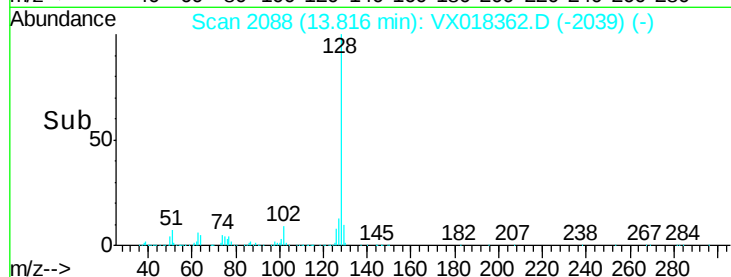
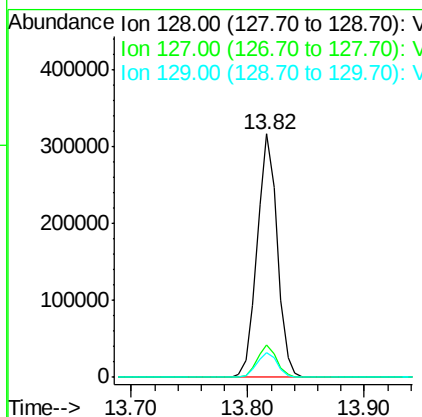
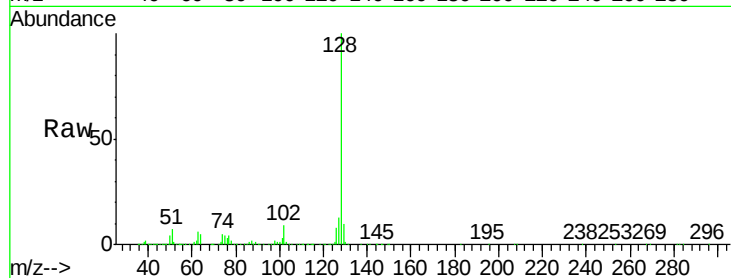
ClientSampleId :

VX0911WBSD02

Tot Ion:	128	Resp:	380937
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.2
129	10.4	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/14/2020 12:09:57 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.545 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX018362.D

Acq: 11 Sep 2020 15:27

Tgt Ion:	180	Resp:	118225
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.3	142.0
145	35.1	17.5	52.6

