

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071919\
 Data File : VX010986.D
 Acq On : 19 Jul 2019 02:38
 Operator : JC/SP
 Sample : VX0719WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 3:13:14 PM

Quant Time: Jul 19 03:51:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	39312	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	215800	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	191335	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	78117	29.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.70%
60) 4-Bromofluorobenzene	11.13	95	93892	29.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.37%
63) Toluene-d8	8.71	98	259570	30.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	55966	21.534	ug/l 100
3) Chloromethane	1.33	50	48584	21.258	ug/l 96
4) Vinyl Chloride	1.41	62	49157	20.625	ug/l 97
5) Bromomethane	1.64	94	31293	23.852	ug/l 97
6) Chloroethane	1.73	64	28942	20.526	ug/l 90
7) Trichlorofluoromethane	1.93	101	82342	20.803	ug/l 95
8) Diethyl Ether	2.19	74	26836	20.645	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	45833	20.950	ug/l 98
10) 1,1-Dichloroethene	2.37	96	44314	20.156	ug/l 95
11) Methyl Iodide	2.51	142	55017	18.635	ug/l 98
12) Methyl Acetate	2.78	43	65127	21.091	ug/l 99
13) Acrolein	2.29	56	35228	95.149	ug/l 99
14) Acrylonitrile	3.14	53	122941	101.726	ug/l 98
15) Acetone	2.45	58	35115	104.343	ug/l 96
16) Carbon Disulfide	2.57	76	113722	20.130	ug/l 99
17) Allyl chloride	2.73	41	63223	19.864	ug/l 99
18) Methylene Chloride	2.85	84	48461	19.795	ug/l 97
19) trans-1,2-Dichloroethene	3.17	96	47348	20.386	ug/l 97
20) Diisopropyl ether	3.85	45	136451	20.307	ug/l 97
21) 1,1-Dichloroethane	3.70	63	79255	20.496	ug/l 100
22) cis-1,2-Dichloroethene	4.60	96	54031	20.227	ug/l 99
23) tert-Butyl Alcohol	3.04	59	63118	100.029	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	143116	20.278	ug/l 99
25) Chloroform	5.21	83	84880	20.042	ug/l 100
26) Cyclohexane	5.58	56	71330	20.159	ug/l # 97
29) 1,1-Dichloropropene	5.80	75	61502	20.265	ug/l 99
30) 2-Butanone	4.67	43	169141	103.251	ug/l 100
31) 2,2-Dichloropropane	4.58	77	46656	17.612	ug/l 99
32) 1,1,1-Trichloroethane	5.50	97	72744	19.877	ug/l 98
33) Carbon Tetrachloride	5.79	117	62692	19.702	ug/l 99
34) Benzene	6.14	78	187424	20.588	ug/l 98
35) Methacrylonitrile	5.04	41	34700	20.348	ug/l 98
36) 1,2-Dichloroethane	6.20	62	64136	19.704	ug/l 99
37) Trichloroethene	7.21	130	54564	20.473	ug/l 98
38) Methylcyclohexane	7.46	83	77987	20.362	ug/l 100
39) 1,2-Dichloropropane	7.51	63	45876	20.161	ug/l 98
40) Dibromomethane	7.66	93	34717	20.744	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071919\
 Data File : VX010986.D
 Acq On : 19 Jul 2019 02:38
 Operator : JC/SP
 Sample : VX0719WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 3:13:14 PM

Quant Time: Jul 19 03:51:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	59711	19.602	ug/l	96
42) Vinyl Acetate	3.82	43	539958	100.045	ug/l	100
43) Ethyl Acetate	4.84	43	64279	20.441	ug/l	98
44) Isopropyl Acetate	6.45	43	100455	19.613	ug/l	99
45) 1,4-Dioxane	7.74	88	28335	425.044	ug/l	95
46) Methyl methacrylate	7.77	41	49650	19.972	ug/l	97
47) n-amyl Acetate	10.90	43	91532	19.926	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	59590	18.562	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	68107	19.440	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	50260	20.520	ug/l	98
51) Ethyl methacrylate	9.18	69	74581	19.688	ug/l	98
52) 1,3-Dichloropropane	9.37	76	79224	20.129	ug/l	98
53) Dibromochloromethane	9.58	129	51255	19.376	ug/l	99
54) 1,2-Dibromoethane	9.67	107	53723	20.183	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	157489	98.177	ug/l	99
56) Bromoform	10.85	173	37347	18.957	ug/l	97
58) 4-Methyl-2-Pentanone	8.64	43	336954	104.278	ug/l	100
59) 2-Hexanone	9.49	43	260564	105.379	ug/l	100
61) Tetrachloroethene	9.33	164	54372	21.523	ug/l	94
62) Toluene	8.78	91	213342	20.989	ug/l	100
64) Chlorobenzene	10.13	112	135373	20.787	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.22	131	48337	20.423	ug/l	99
66) Ethyl Benzene	10.25	91	236538	20.672	ug/l	98
67) m/p-Xylenes	10.36	106	183839	41.993	ug/l	99
68) o-Xylene	10.69	106	89963	20.972	ug/l	99
69) Styrene	10.71	104	148299	20.567	ug/l	99
70) Isopropylbenzene	11.02	105	236553	20.709	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	77556	21.057	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	63935m	20.796	ug/l	
73) Bromobenzene	11.26	156	63759	20.688	ug/l	99
74) n-propylbenzene	11.36	91	265909	20.684	ug/l	100
75) 2-Chlorotoluene	11.42	91	157456	20.564	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	198649	20.545	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	18524	18.262	ug/l	94
78) 4-Chlorotoluene	11.51	91	179978	20.467	ug/l	100
79) tert-butylbenzene	11.77	119	193152	20.596	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	200275	20.569	ug/l	99
81) sec-Butylbenzene	11.94	105	231257	20.919	ug/l	99
82) p-Isopropyltoluene	12.06	119	212036	20.670	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	112974	20.764	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	109684	20.283	ug/l	98
85) n-Butylbenzene	12.38	91	177499	20.320	ug/l	99
86) Hexachloroethane	12.59	117	30828	19.054	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	112386	21.098	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	16580	20.447	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	75131	20.448	ug/l	99
90) Hexachlorobutadiene	13.78	225	36264	20.413	ug/l	99
91) Naphthalene	13.83	128	237094	21.148	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	77226	20.970	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071919\
Data File : VX010986.D
Acq On : 19 Jul 2019 02:38
Operator : JC/SP
Sample : VX0719WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

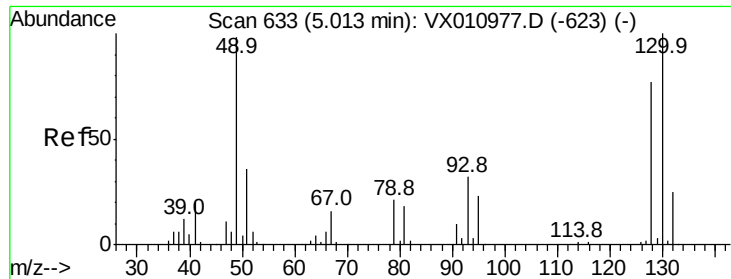
Manual Integrations
APPROVED

MMDadoda
7/19/2019 3:13:14 PM

Quant Time: Jul 19 03:51:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 19 03:27:28 2019
Response via : Initial Calibration

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

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

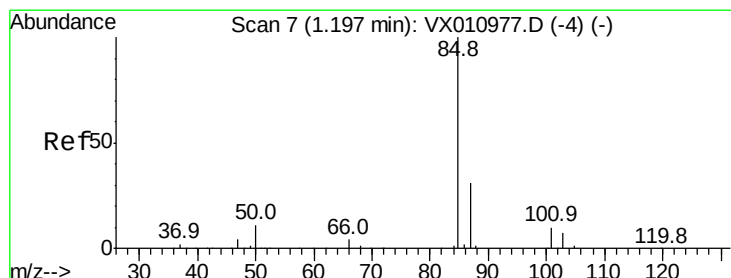
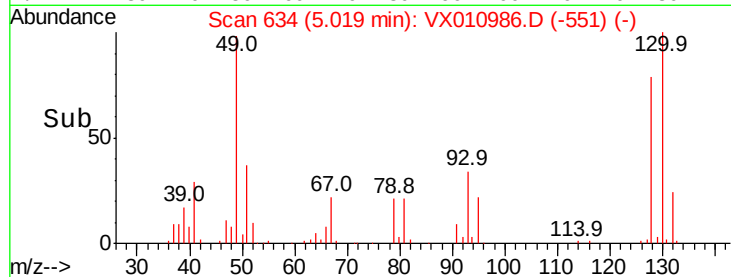
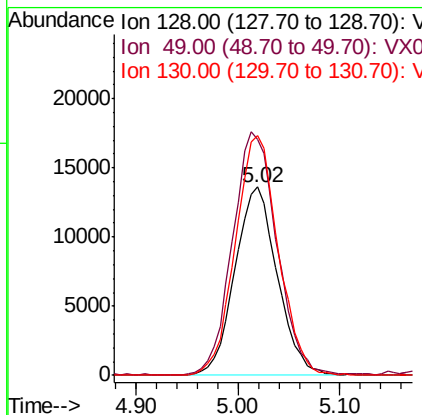
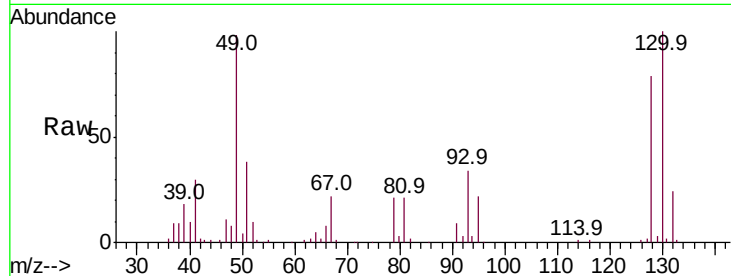
ClientSampleId :

VX0719WBSD01

Tot Ion:	128	Resp:	39312
Ion	Ratio	Lower	Upper
128	100		
49	136.1	0.0	343.5
130	128.9	0.0	324.7

Manual Integrations
APPROVED

MMDadoda
7/19/2019 3:13:14 PM



#2

Dichlorodifluoromethane

Concen: 21.534 ug/l

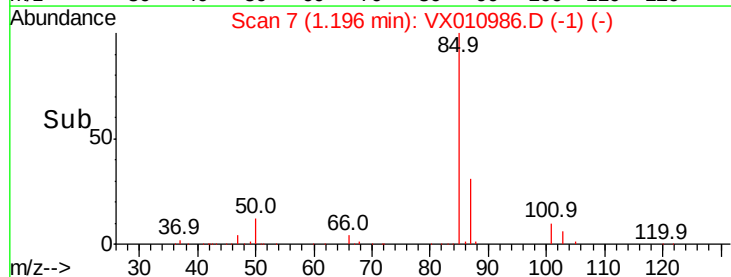
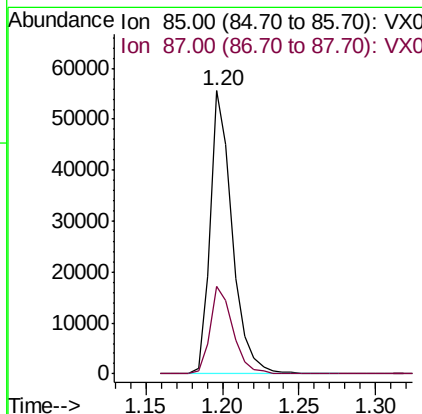
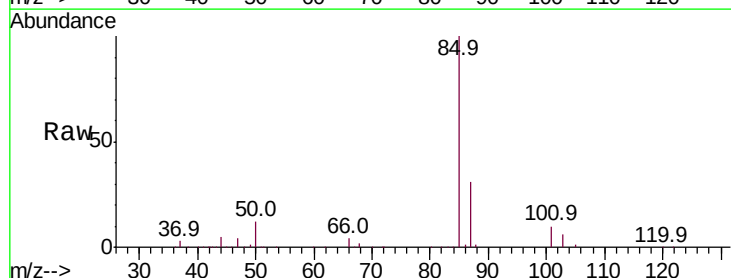
RT: 1.20 min Scan# 7

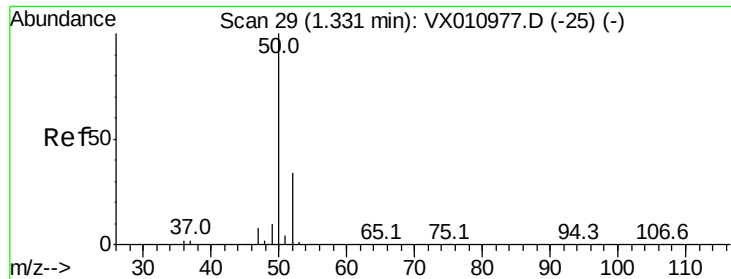
Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Tgt Ion:	85	Resp:	55966
Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.4	46.1





#3

Chloromethane

Concen: 21.258 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion: 50 Resp: 48584

Ion Ratio Lower Upper

50 100

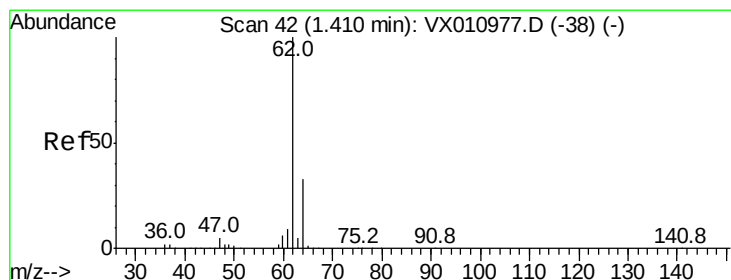
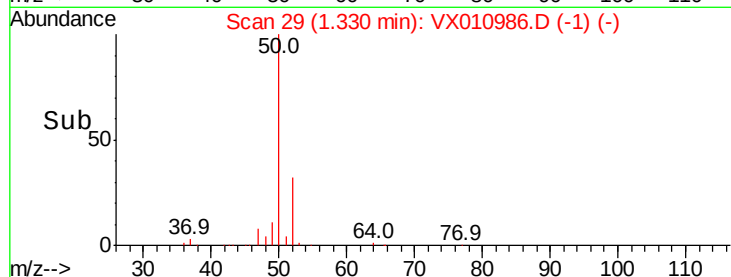
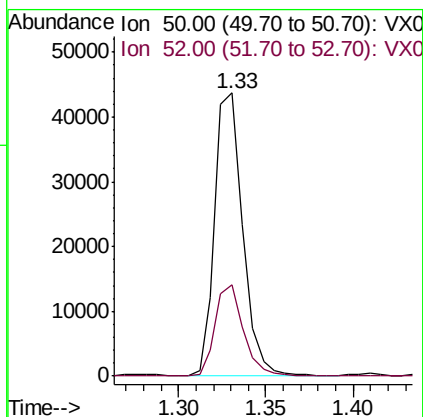
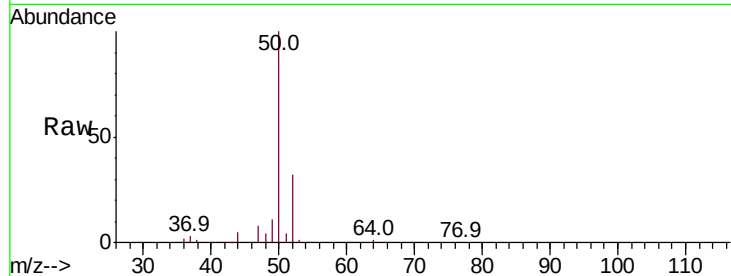
52 32.0 27.3 40.9

Manual Integrations

APPROVED

MMDadoda

7/19/2019 3:13:14 PM



#4

Vinyl Chloride

Concen: 20.625 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010986.D

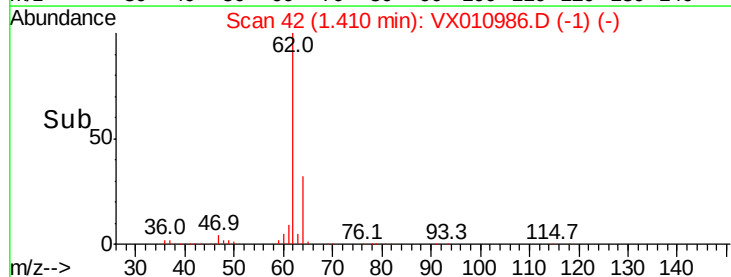
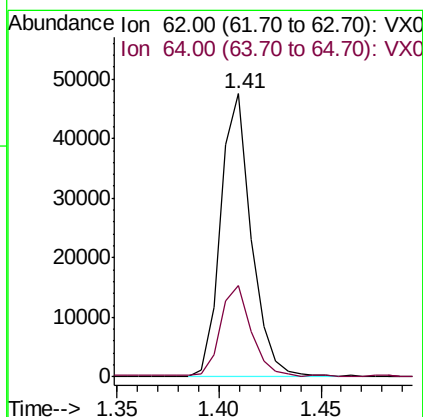
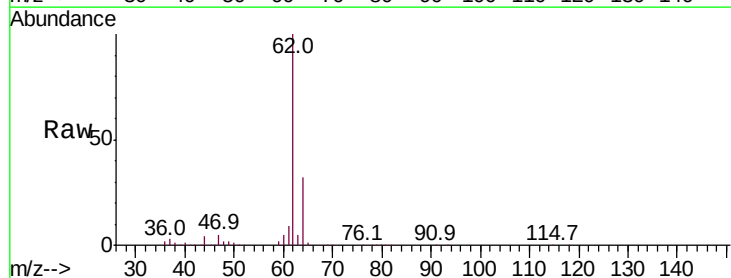
Acq: 19 Jul 2019 02:38

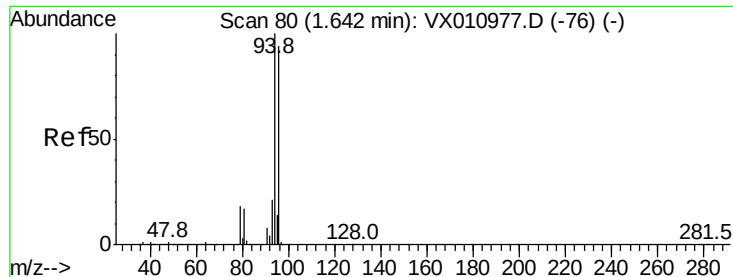
Tgt Ion: 62 Resp: 49157

Ion Ratio Lower Upper

62 100

64 31.9 26.8 40.2





#5

Bromomethane

Concen: 23.852 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion: 94 Resp: 31293

Ion Ratio Lower Upper

94 100

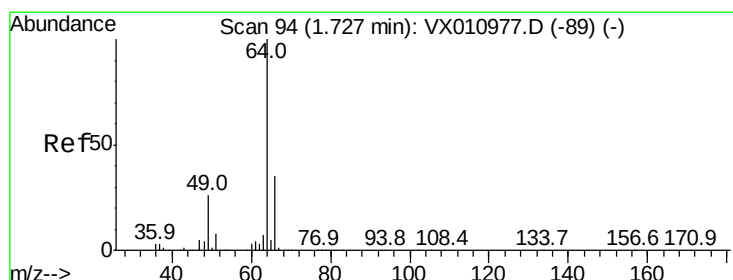
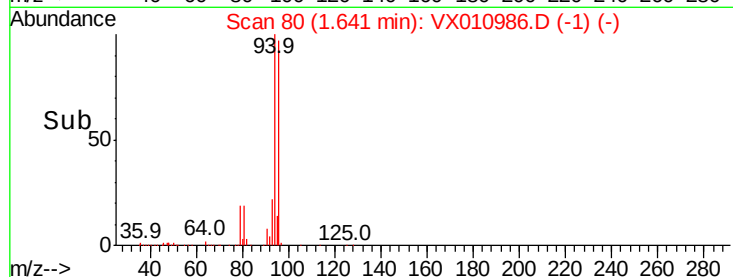
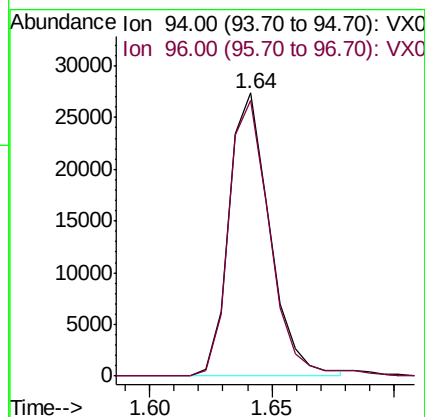
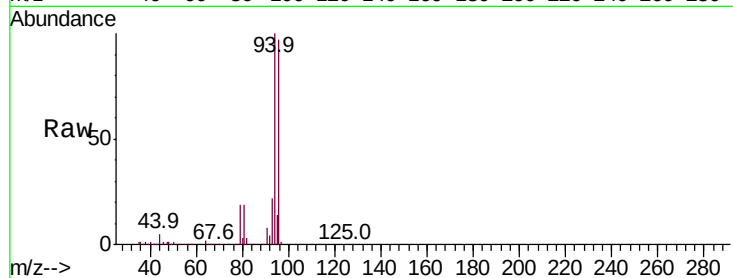
96 97.4 75.4 113.2

Manual Integrations

APPROVED

MMDadoda

7/19/2019 3:13:14 PM



#6

Chloroethane

Concen: 20.526 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.00 min

Lab File: VX010986.D

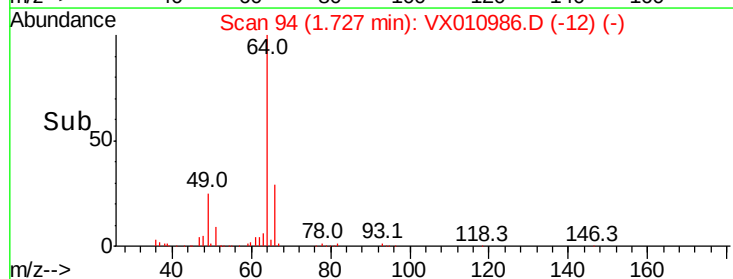
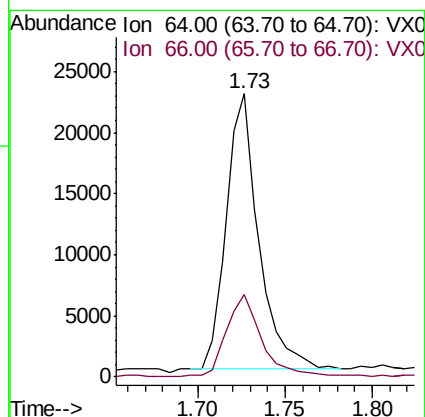
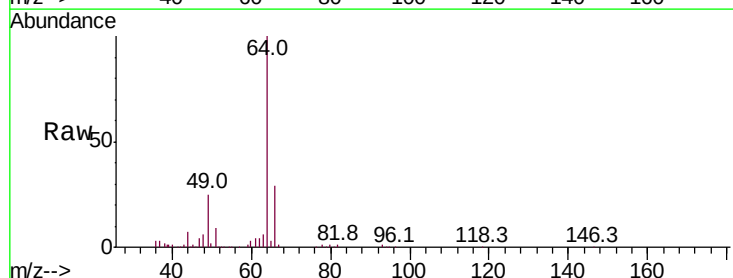
Acq: 19 Jul 2019 02:38

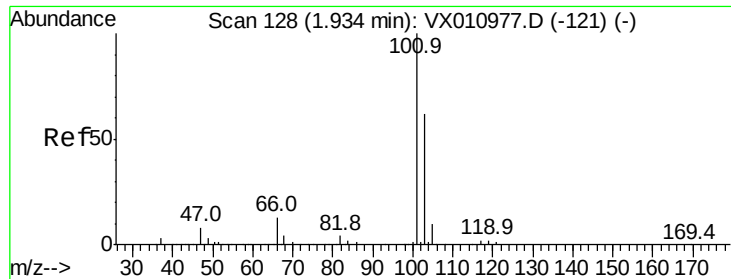
Tgt Ion: 64 Resp: 28942

Ion Ratio Lower Upper

64 100

66 29.5 28.1 42.1





#7

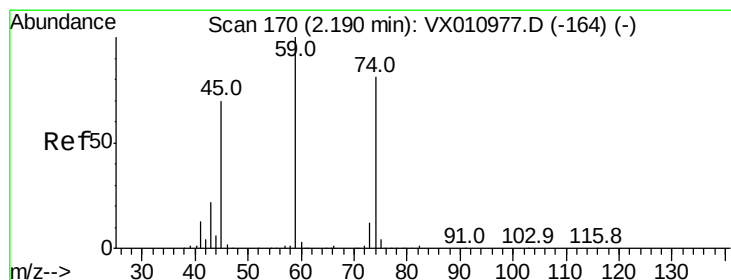
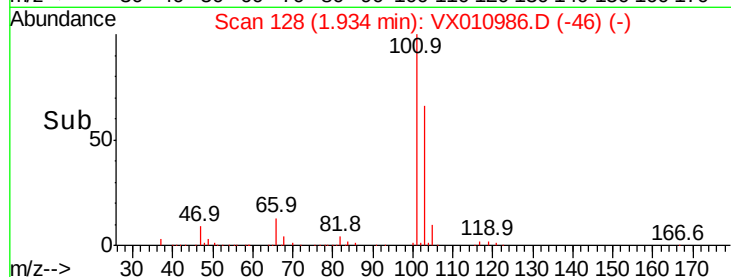
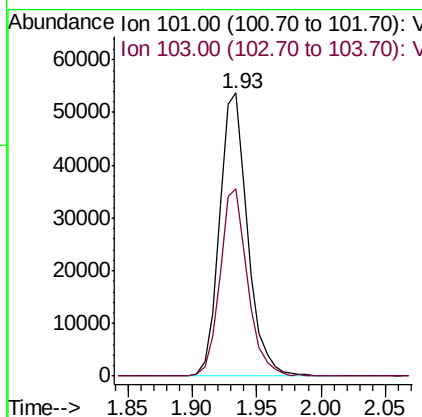
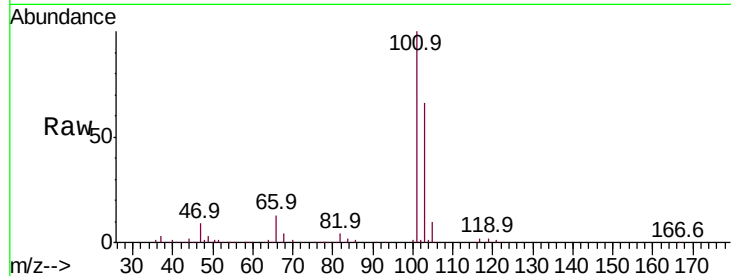
Trichlorofluoromethane
Concen: 20.803 ug/l
RT: 1.93 min Scan# 128
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	49.6	74.4

Manual Integrations
APPROVED

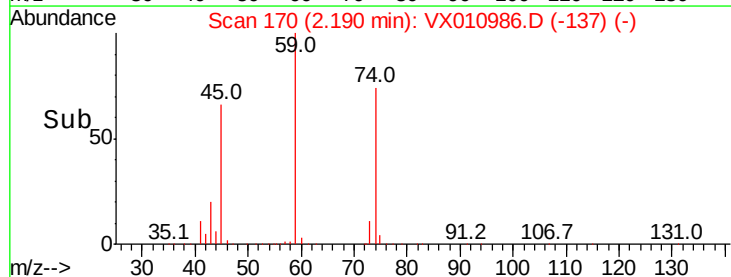
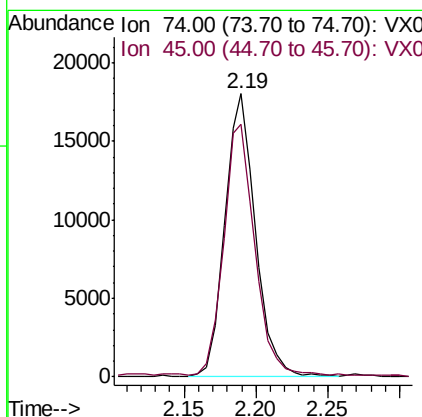
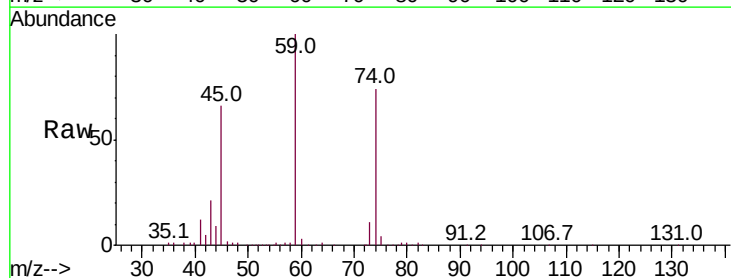
MMDadoda
7/19/2019 3:13:14 PM

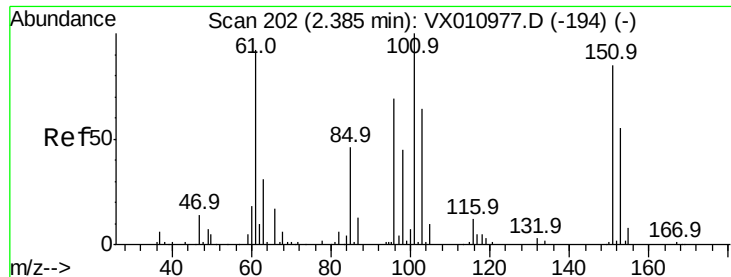


#8

Diethyl Ether
Concen: 20.645 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	18.3	164.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.950 ug/l

RT: 2.38 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

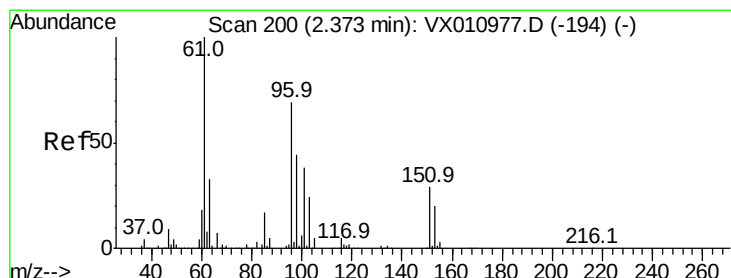
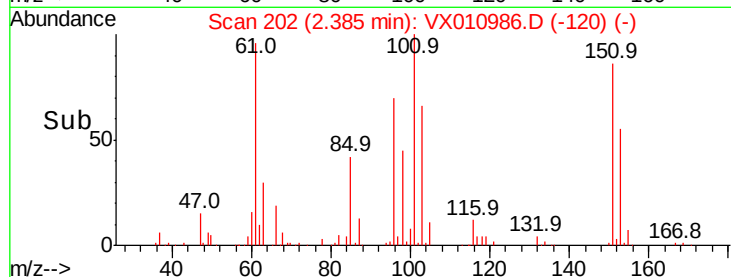
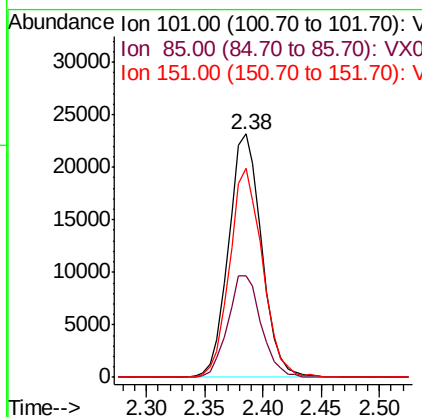
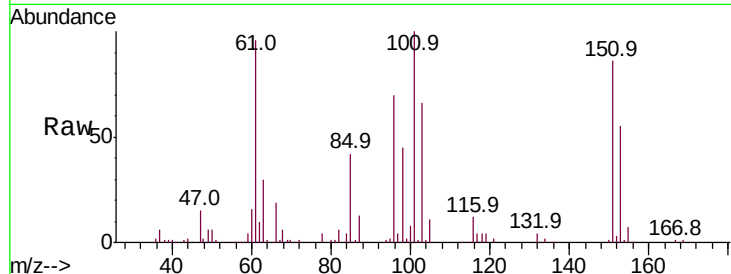
ClientSampleId :

VX0719WBSD01

Tot Ion:	101	Resp:	45833
Ion Ratio	Lower	Upper	
101	100		
85	42.3	0.0	89.8
151	85.2	0.0	172.2

Manual Integrations
APPROVED

MMDadoda
7/19/2019 3:13:14 PM



#10

1,1-Dichloroethene

Concen: 20.156 ug/l

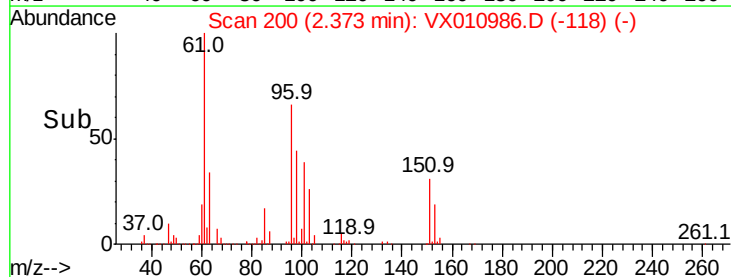
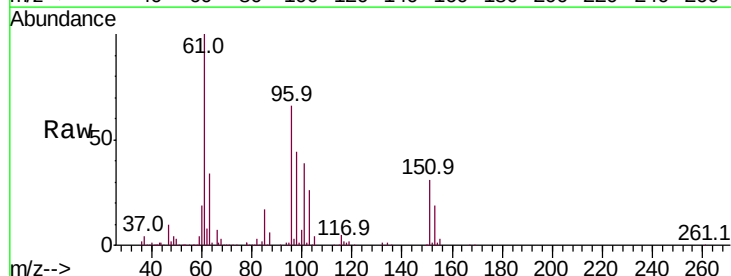
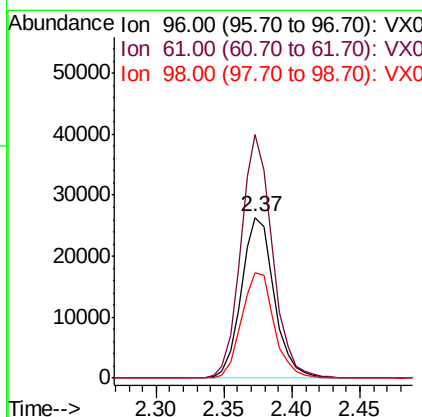
RT: 2.37 min Scan# 200

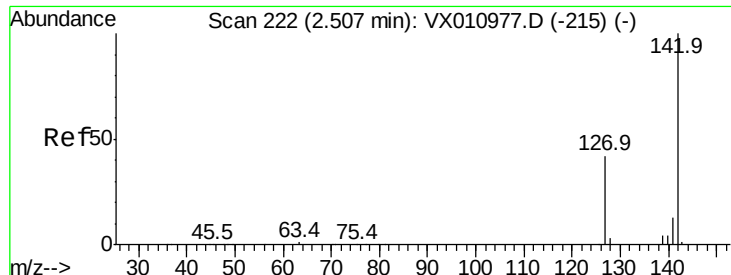
Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Tgt Ion:	96	Resp:	44314
Ion Ratio	Lower	Upper	
96	100		
61	151.7	115.9	173.9
98	66.0	50.6	75.8





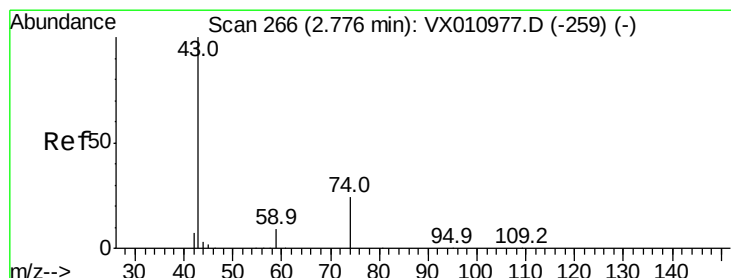
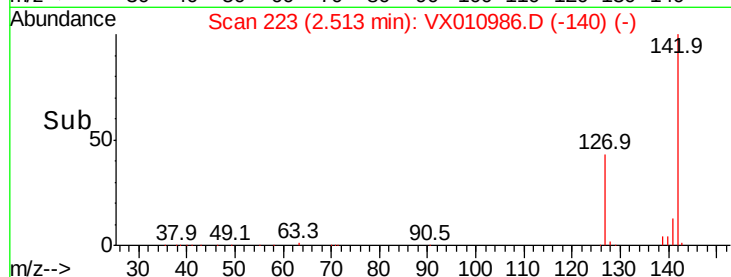
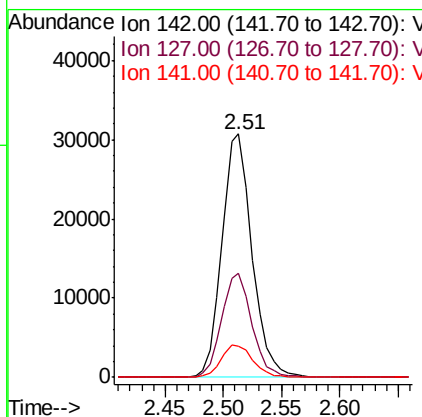
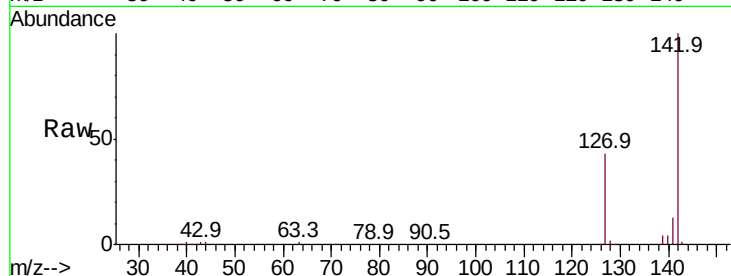
#11
Methyl Iodide
Concen: 18.635 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.6	20.7	62.1
141	13.0	6.7	20.0

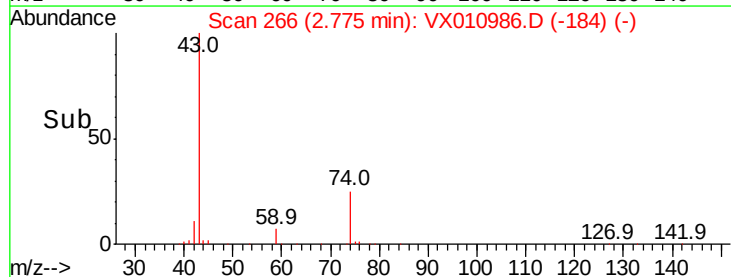
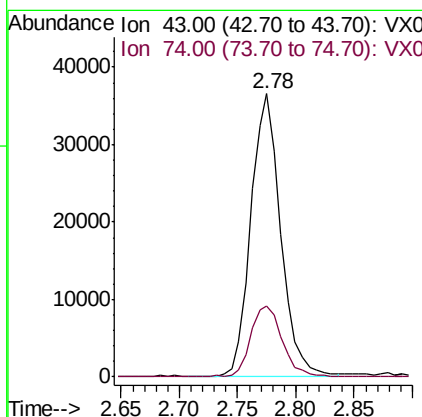
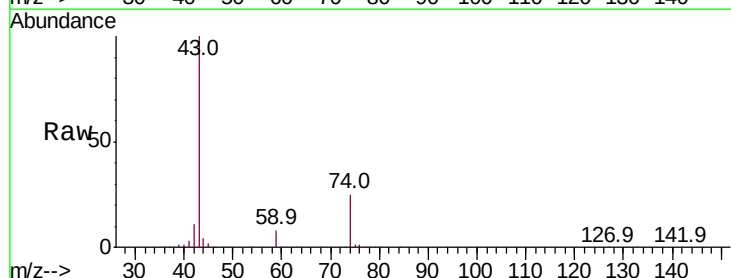
Manual Integrations
APPROVED

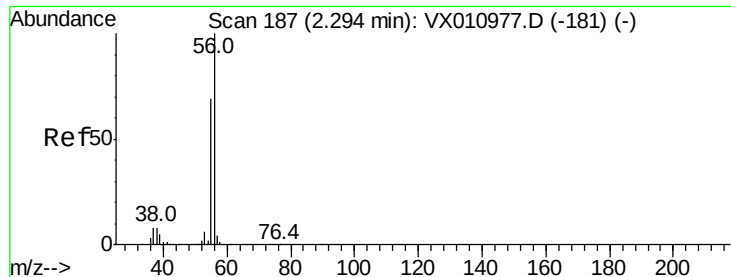
MMDadoda
7/19/2019 3:13:14 PM



#12
Methyl Acetate
Concen: 21.091 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.8	29.6





#13

Acrolein

Concen: 95.149 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion: 56 Resp: 35228

Ion Ratio Lower Upper

56 100

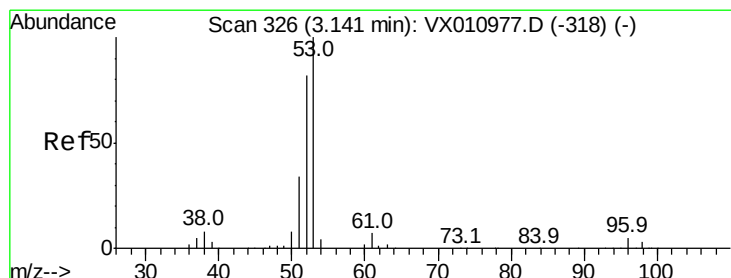
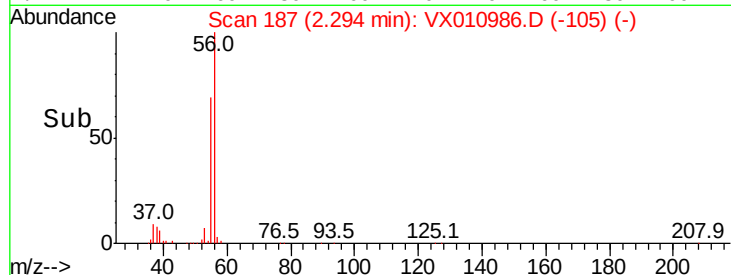
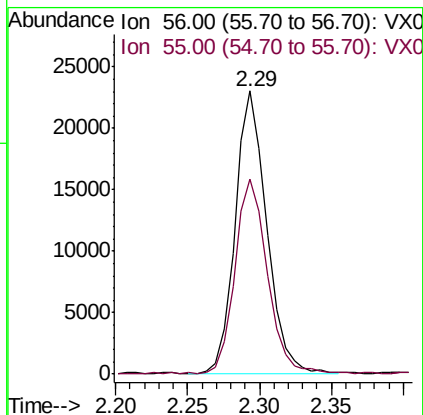
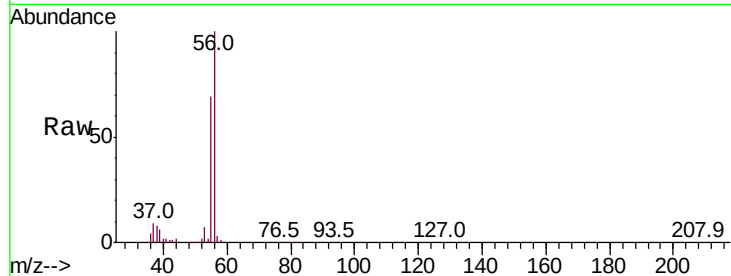
55 71.1 56.1 84.1

Manual Integrations

APPROVED

MMDadoda

7/19/2019 3:13:14 PM



#14

Acrylonitrile

Concen: 101.726 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

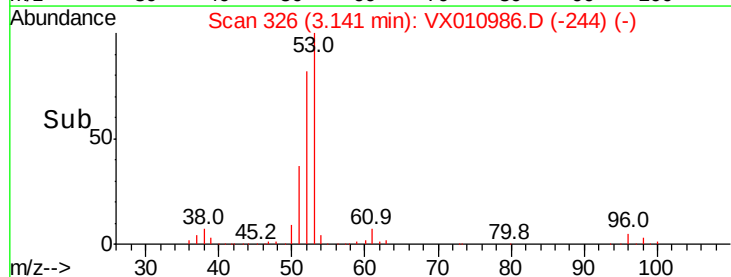
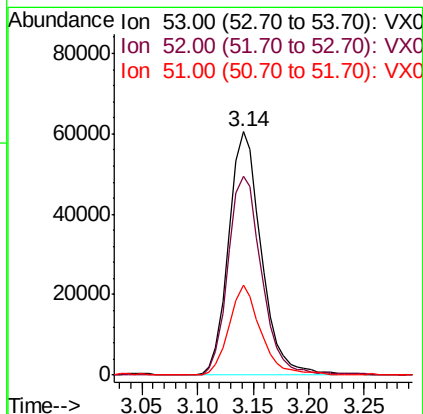
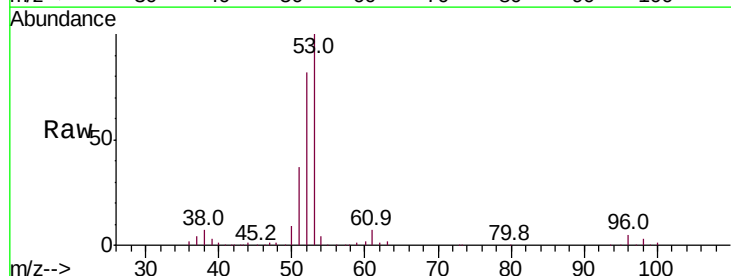
Tgt Ion: 53 Resp: 122941

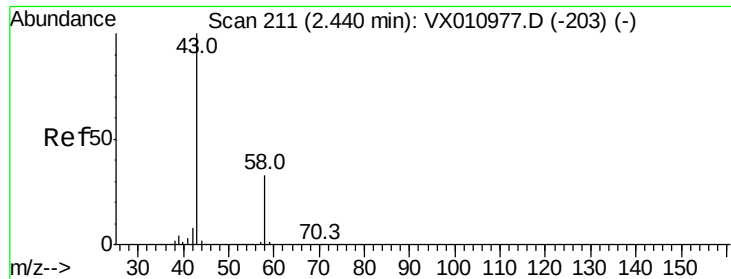
Ion Ratio Lower Upper

53 100

52 84.1 41.1 123.4

51 35.8 17.8 53.3





#15

Acetone

Concen: 104.343 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion: 58 Resp: 35115

Ion Ratio Lower Upper

58 100

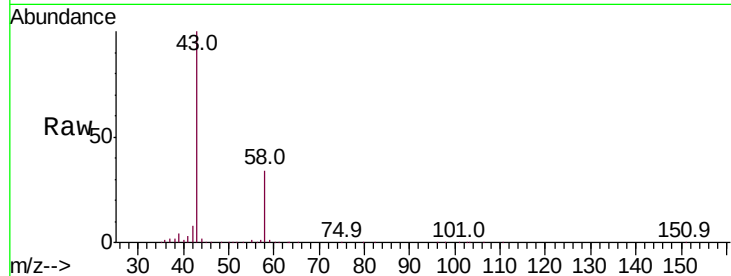
43 296.1 243.8 365.6

Manual Integrations

APPROVED

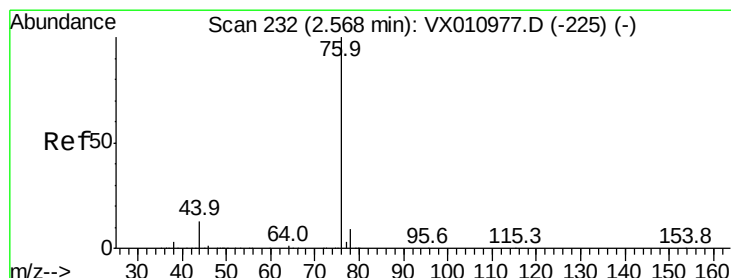
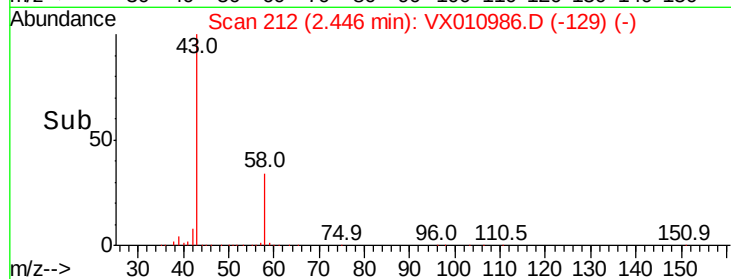
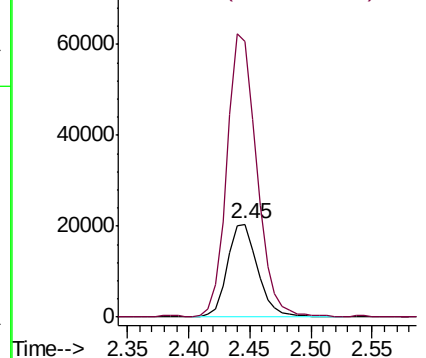
MMDadoda

7/19/2019 3:13:14 PM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 20.130 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010986.D

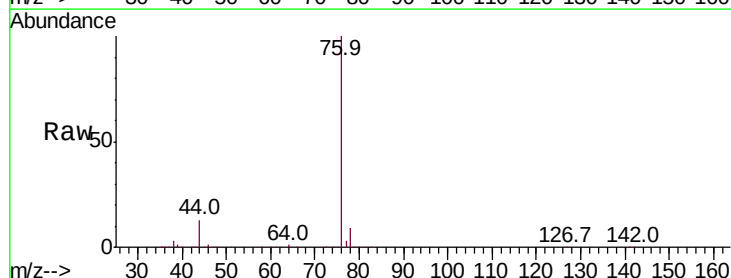
Acq: 19 Jul 2019 02:38

Tgt Ion: 76 Resp: 113722

Ion Ratio Lower Upper

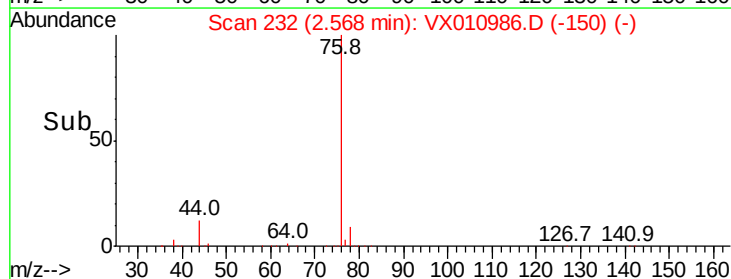
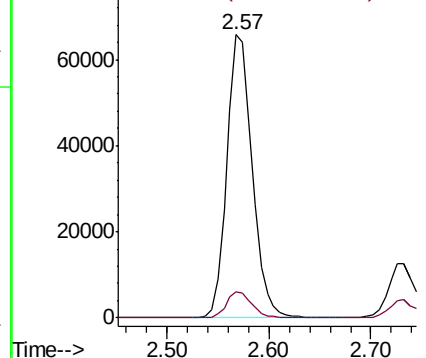
76 100

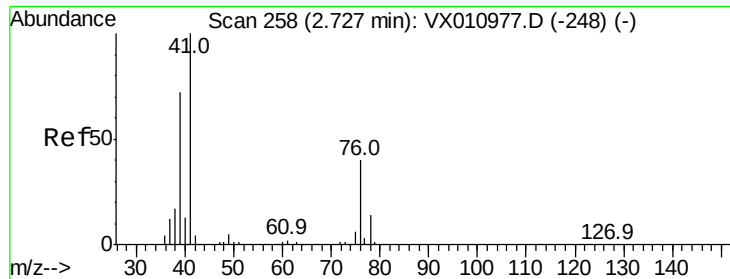
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





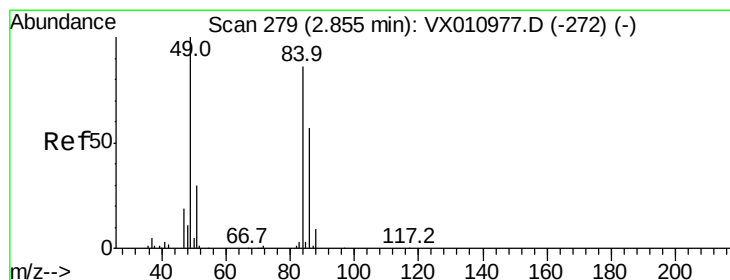
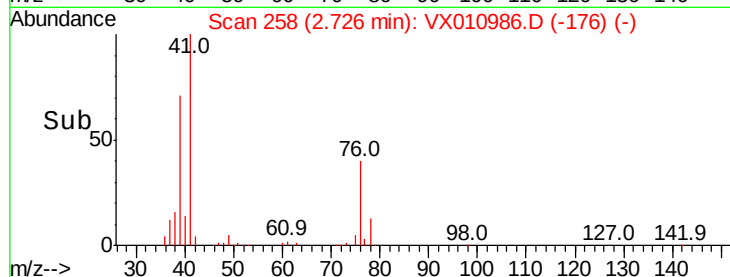
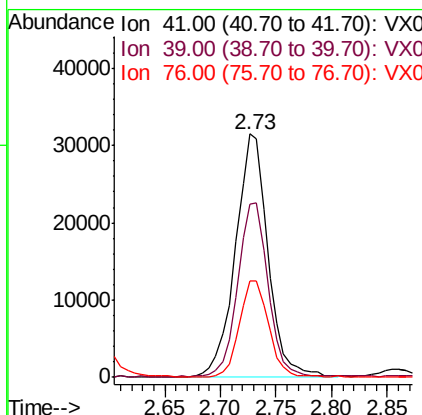
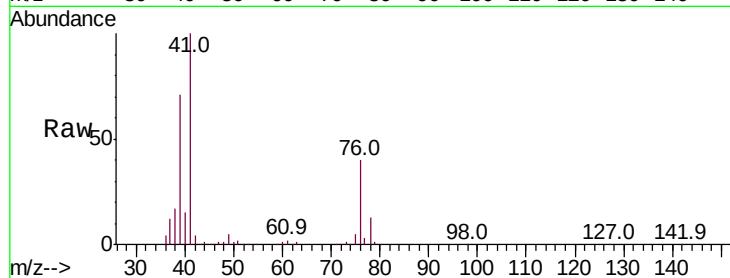
#17
Allvl chloride
Concen: 19.864 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.9	36.1	108.3
76	39.4	20.2	60.5

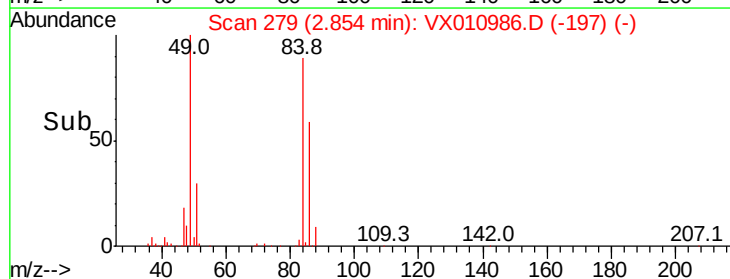
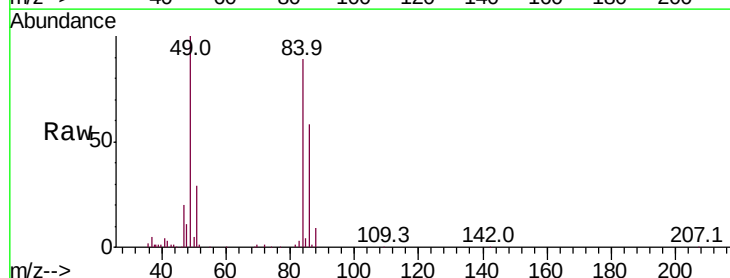
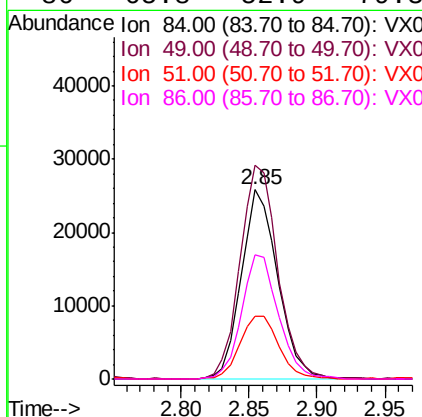
Manual Integrations
APPROVED

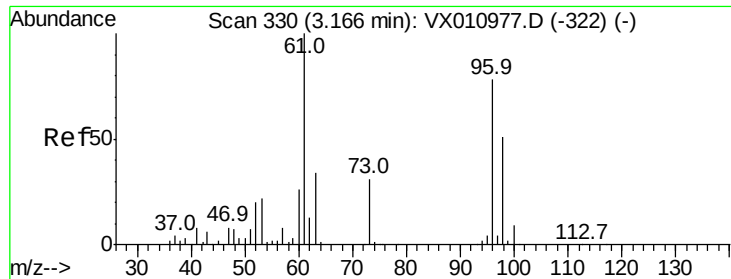
MMDadoda
7/19/2019 3:13:14 PM



#18
Methylene Chloride
Concen: 19.795 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.5	93.2	139.8
51	33.0	28.6	42.8
86	65.8	52.9	79.3





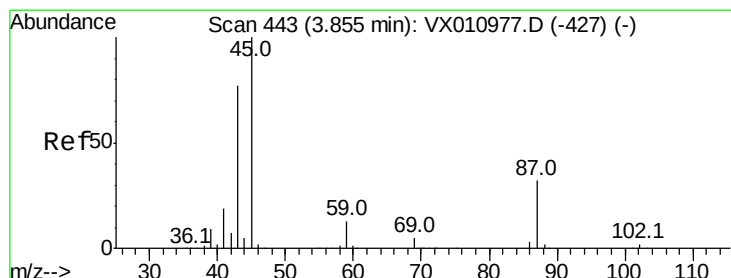
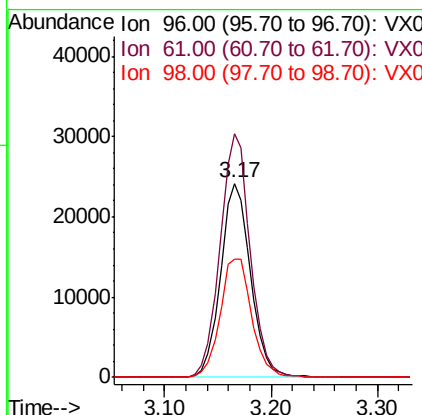
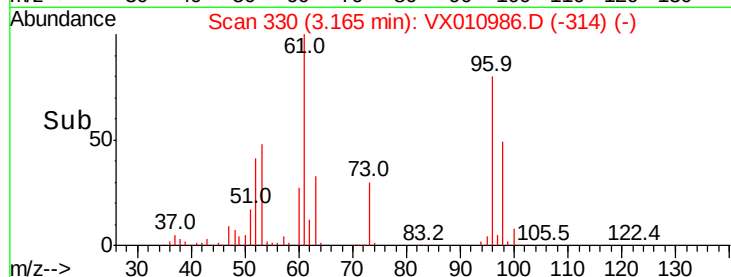
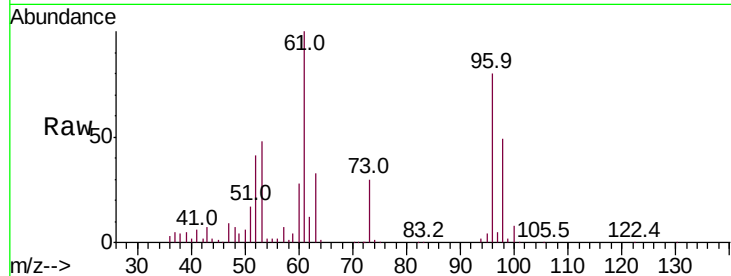
#19
trans-1,2-Dichloroethene
Concen: 20.386 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.3	102.2	153.4
98	61.0	52.2	78.2

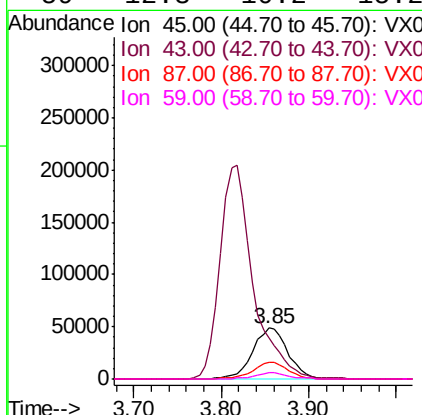
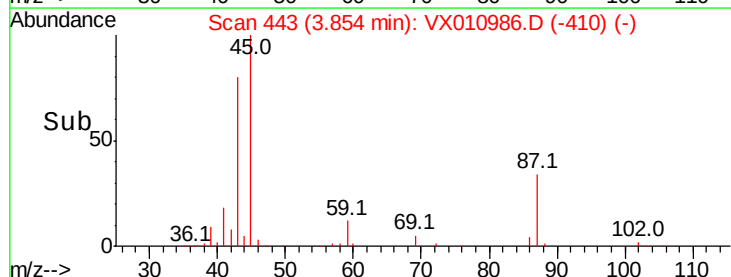
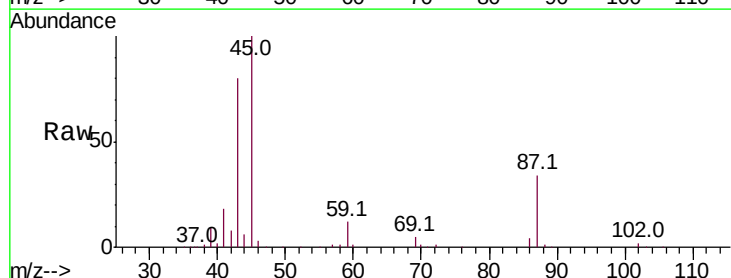
Manual Integrations
APPROVED

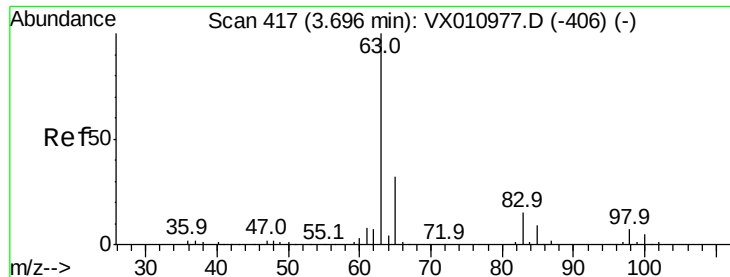
MMDadoda
7/19/2019 3:13:14 PM



#20
Diisopropyl ether
Concen: 20.307 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	80.1	61.5	92.3
87	33.9	25.4	38.2
59	12.3	10.2	15.2





#21

1,1-Dichloroethane

Concen: 20.496 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

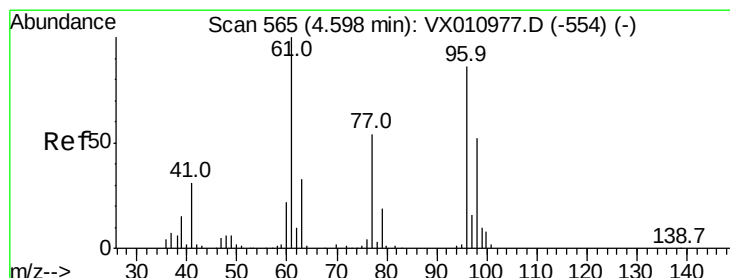
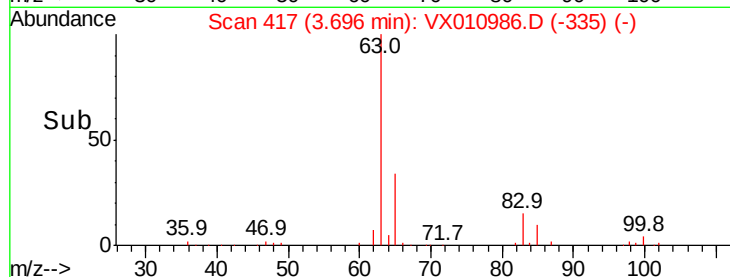
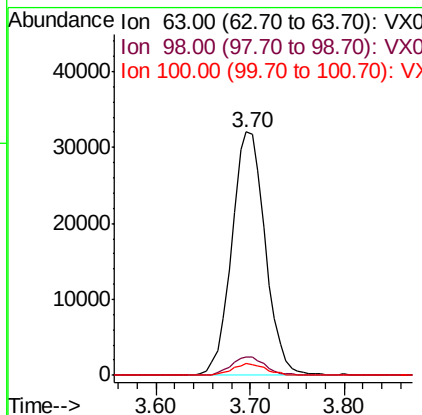
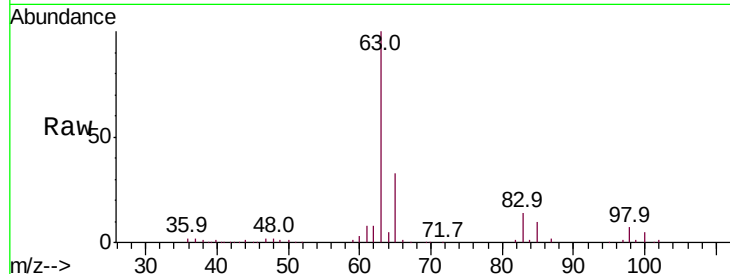
ClientSampleId :

VX0719WBSD01

Tot Ion:	63	Resp:	79255
Ion Ratio	Lower	Upper	
63	100		
98	7.5	3.8	11.2
100	5.1	2.5	7.4

Manual Integrations
APPROVED

MMDadoda
7/19/2019 3:13:14 PM



#22

cis-1,2-Dichloroethene

Concen: 20.227 ug/l

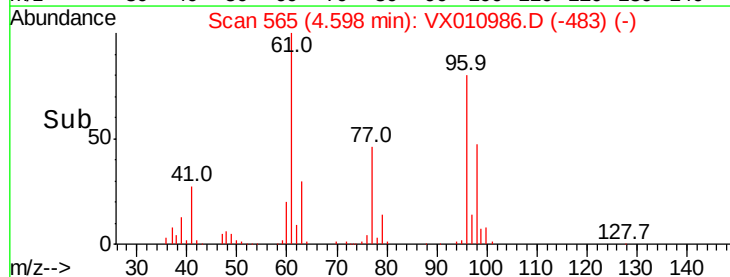
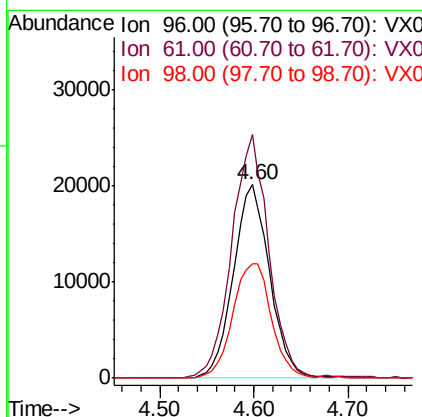
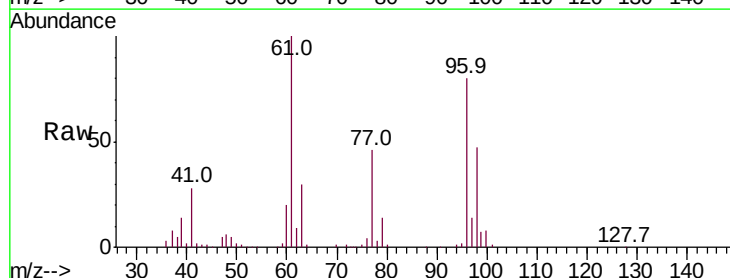
RT: 4.60 min Scan# 565

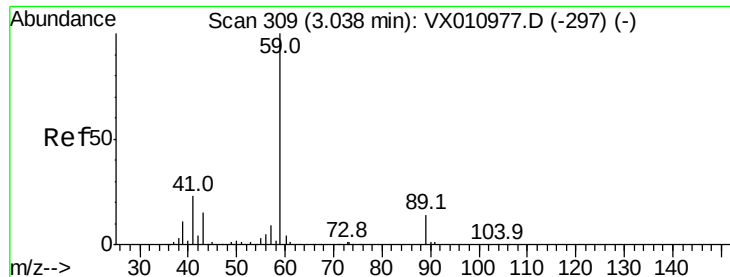
Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Tgt Ion:	96	Resp:	54031
Ion Ratio	Lower	Upper	
96	100		
61	127.7	102.9	154.3
98	62.8	50.9	76.3





#23

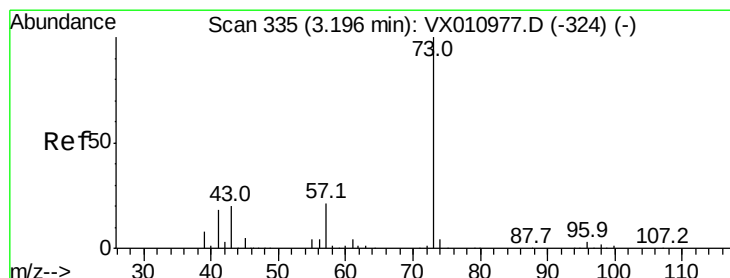
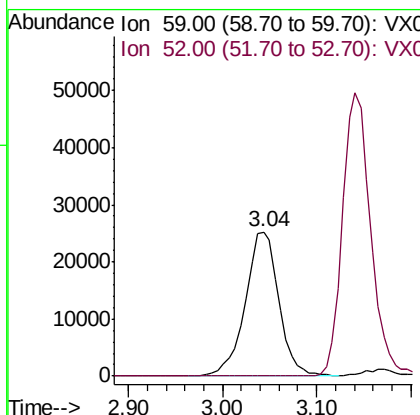
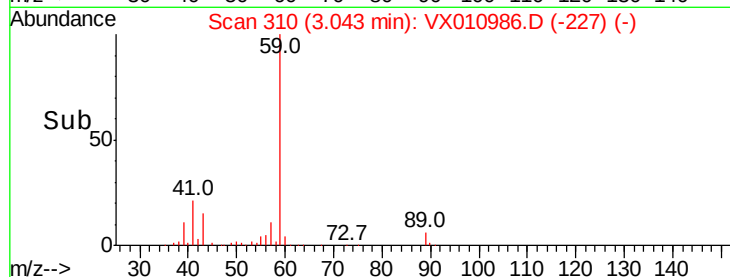
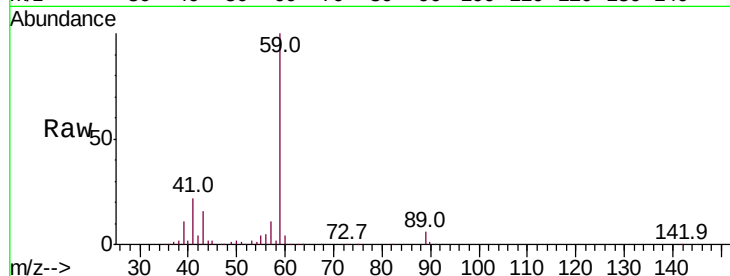
tert-Butyl Alcohol
Concen: 100.029 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion: 59 Resp: 63118
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.4#

Manual Integrations
APPROVED

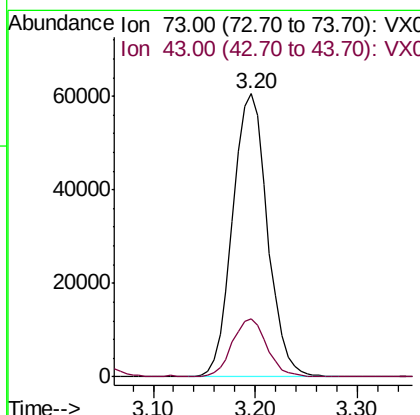
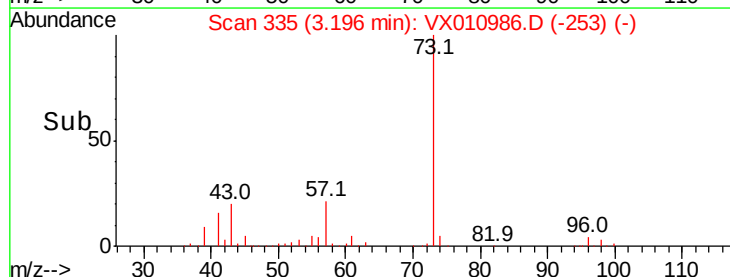
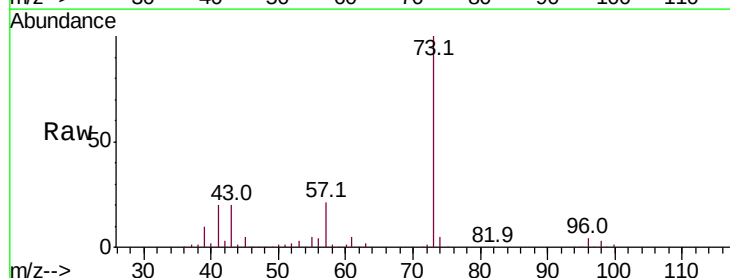
MMDadoda
7/19/2019 3:13:14 PM

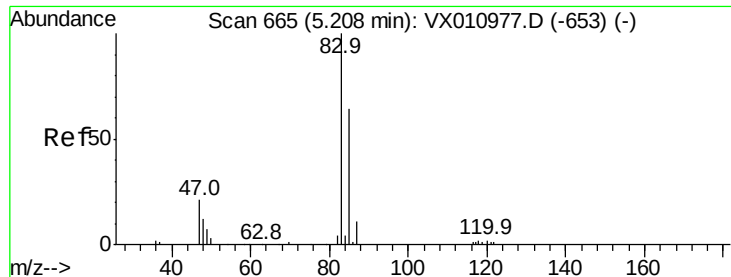


#24

Methyl tert-Butyl Ether
Concen: 20.278 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Tgt Ion: 73 Resp: 143116
Ion Ratio Lower Upper
73 100
43 20.2 15.8 23.6





#25

Chloroform

Concen: 20.042 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion: 83 Resp: 84880

Ion Ratio Lower Upper

83 100

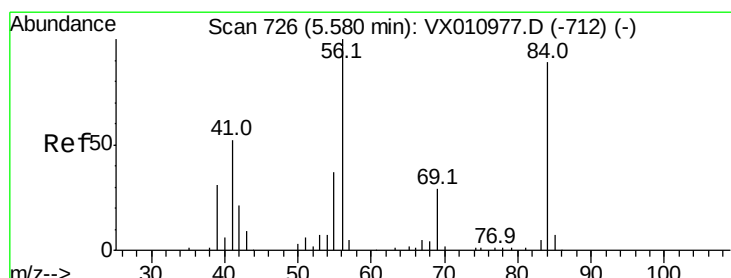
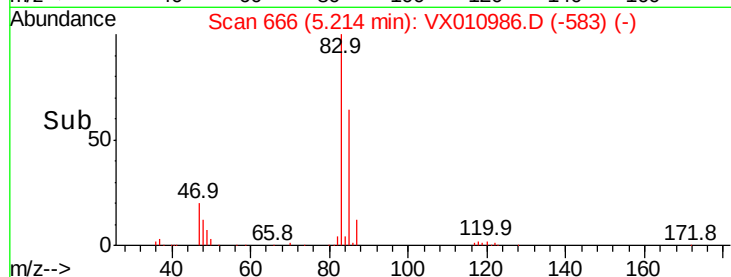
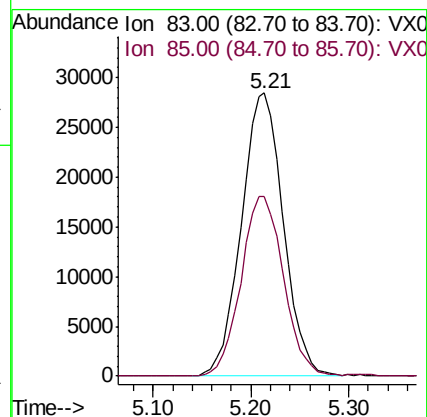
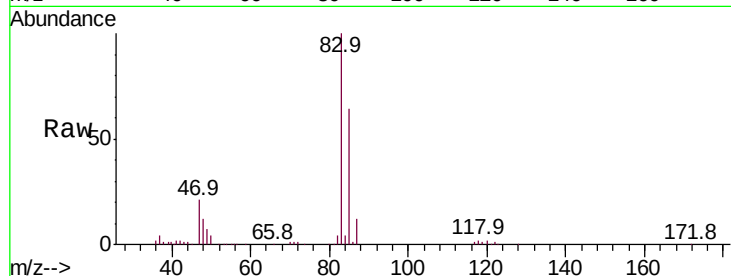
85 63.7 50.9 76.3

Manual Integrations

APPROVED

MMDadoda

7/19/2019 3:13:14 PM



#26

Cyclohexane

Concen: 20.159 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

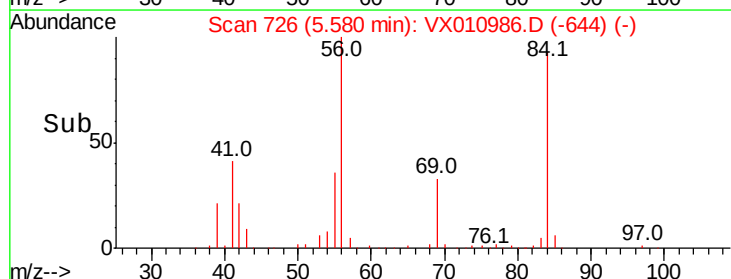
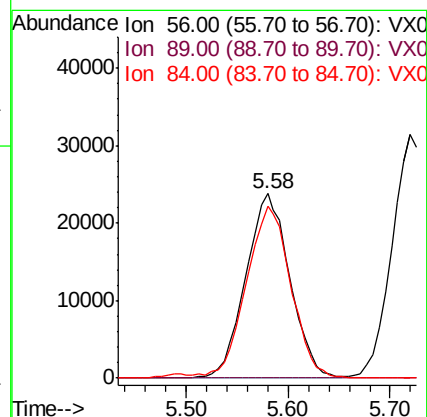
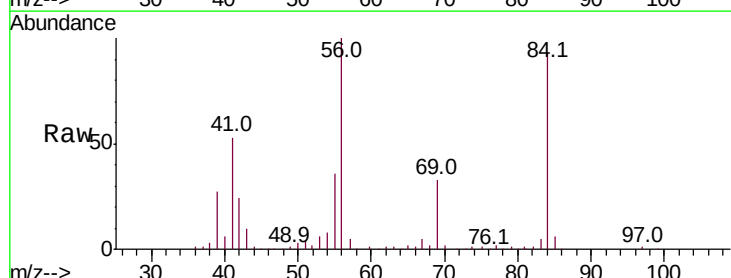
Tgt Ion: 56 Resp: 71330

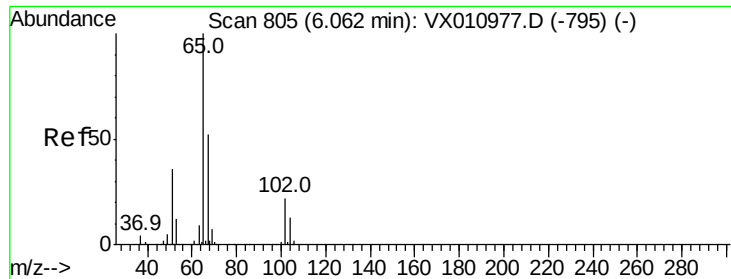
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 93.8 73.0 109.4





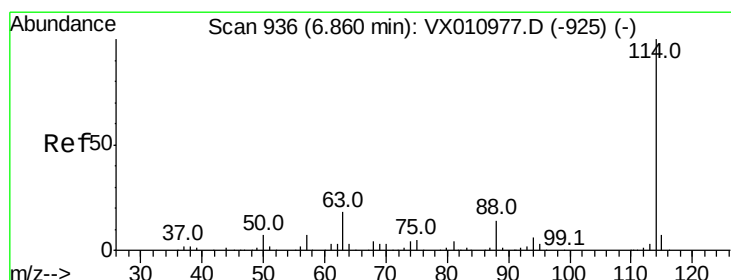
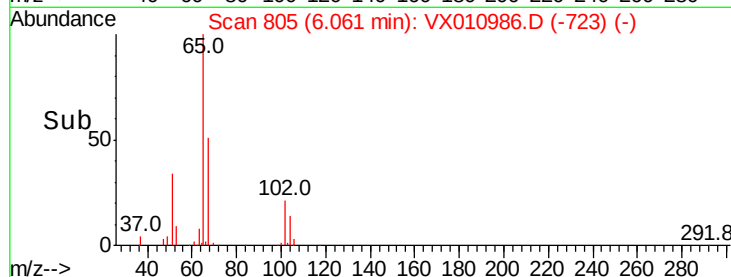
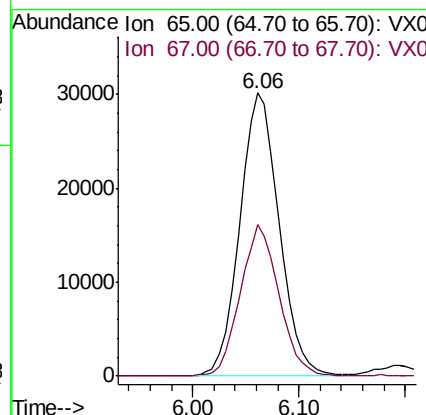
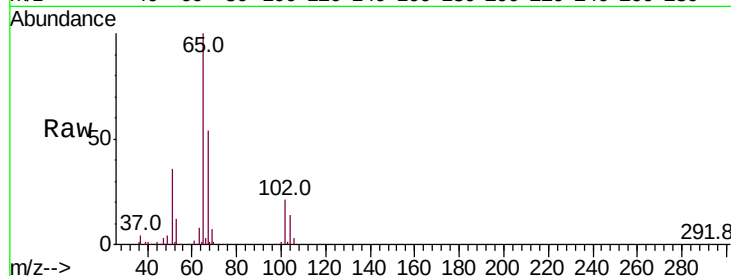
#27
 1,2-Dichloroethane-d4
 Concen: 29.311 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010986.D
 Acq: 19 Jul 2019 02:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBSD01

Tot Ion: 65 Resp: 78117
 Ion Ratio Lower Upper
 65 100
 67 52.6 41.7 62.5

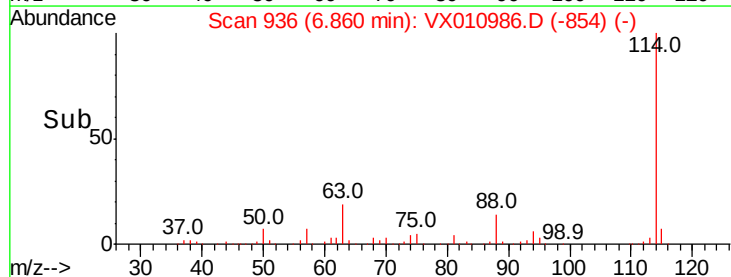
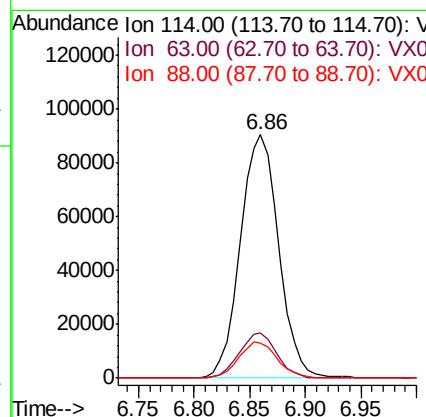
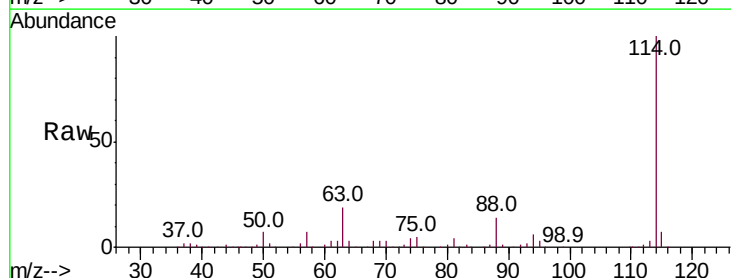
Manual Integrations
 APPROVED

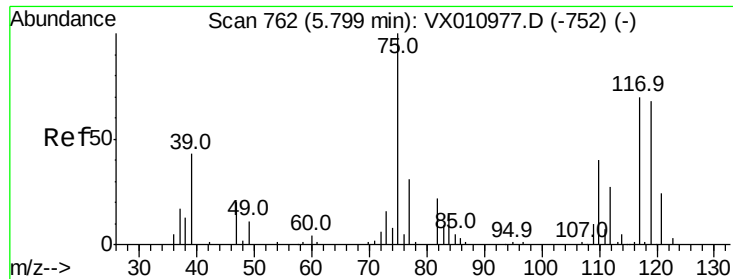
MMDadoda
 7/19/2019 3:13:14 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010986.D
 Acq: 19 Jul 2019 02:38

Tgt Ion: 114 Resp: 215800
 Ion Ratio Lower Upper
 114 100
 63 18.4 14.6 22.0
 88 15.0 11.8 17.8





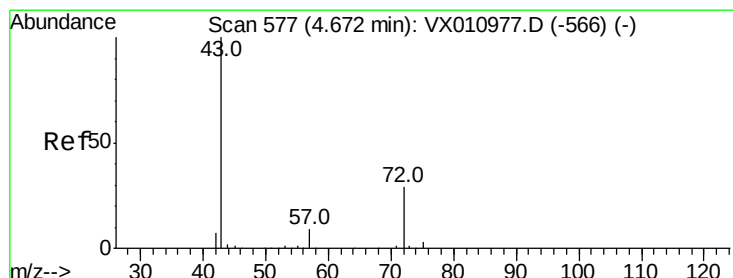
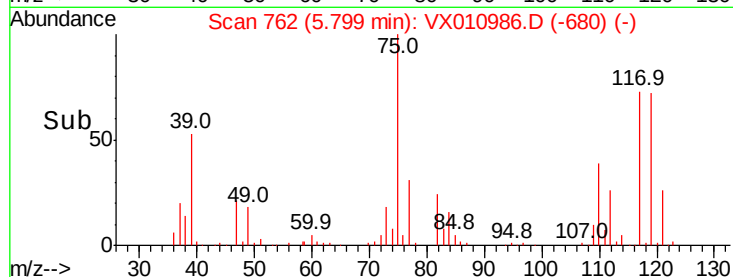
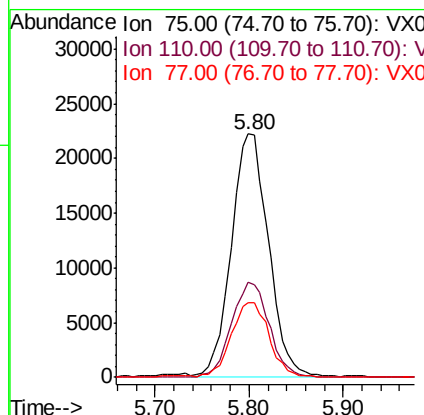
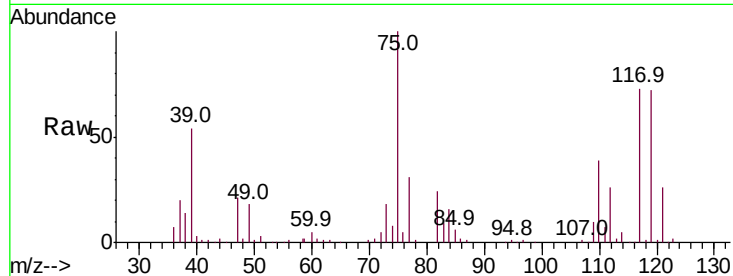
#29
 1,1-Dichloropropene
 Concen: 20.265 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX010986.D
 Acq: 19 Jul 2019 02:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	39.5	0.0	79.8
77	31.3	0.0	62.2

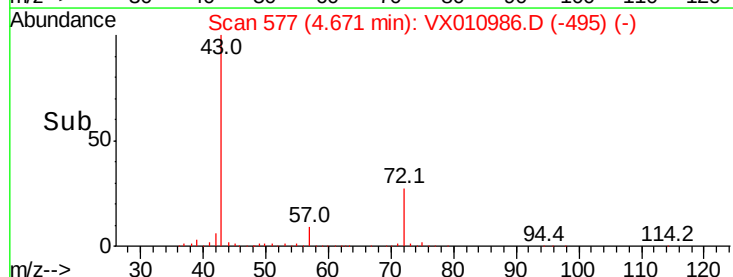
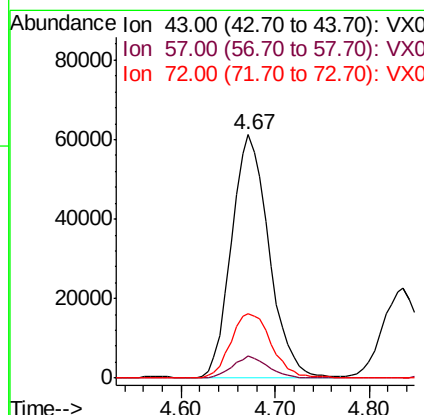
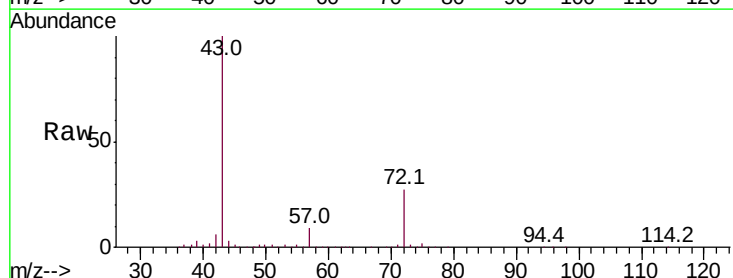
Manual Integrations
 APPROVED

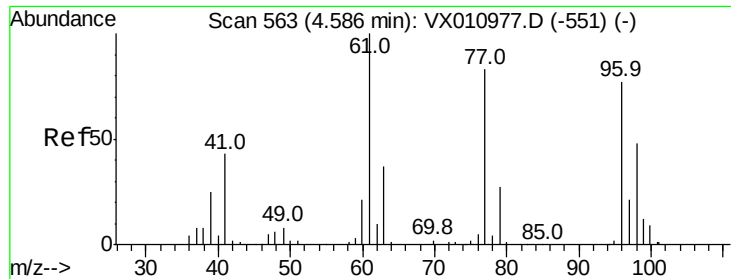
MMDadoda
 7/19/2019 3:13:14 PM



#30
 2-Butanone
 Concen: 103.251 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX010986.D
 Acq: 19 Jul 2019 02:38

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.5	6.8	10.2
72	28.9	23.2	34.8





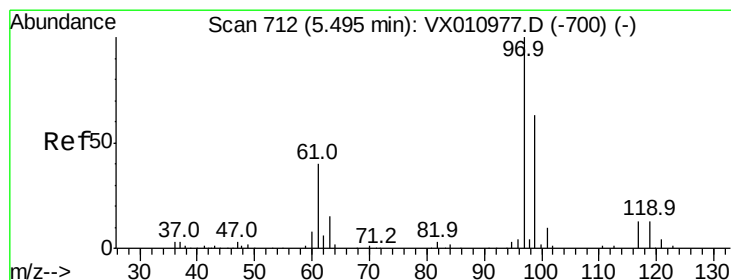
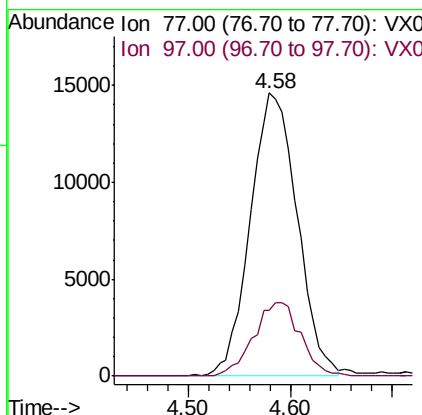
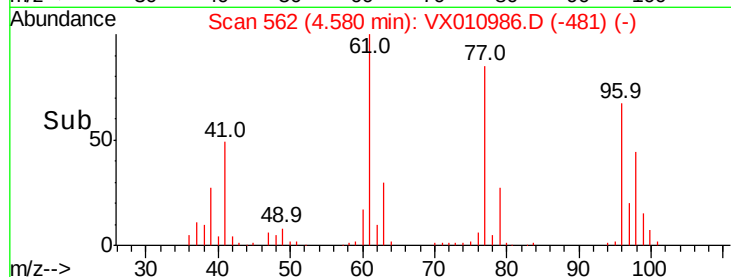
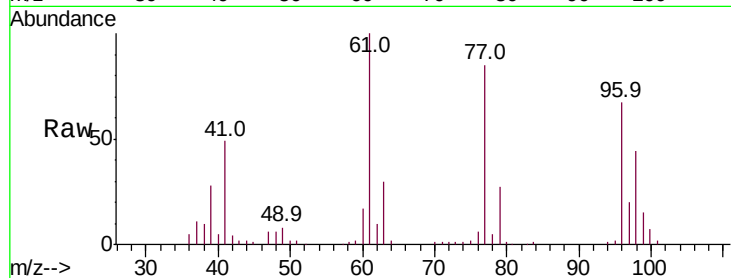
#31
 2,2-Dichloropropane
 Concen: 17.612 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: VX010986.D
 Acq: 19 Jul 2019 02:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBSD01

Tot Ion: 77 Resp: 46656
 Ion Ratio Lower Upper
 77 100
 97 25.7 20.9 31.3

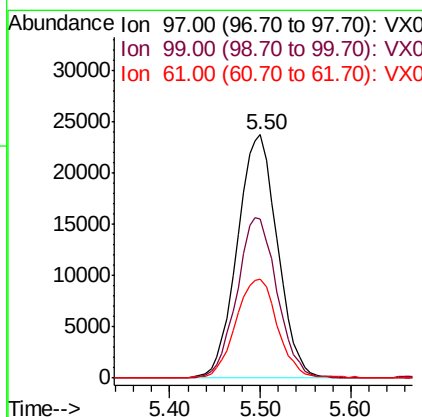
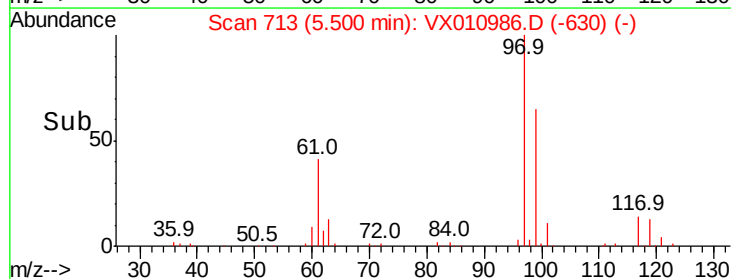
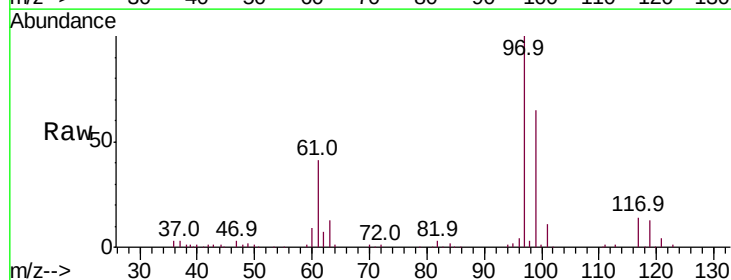
Manual Integrations
 APPROVED

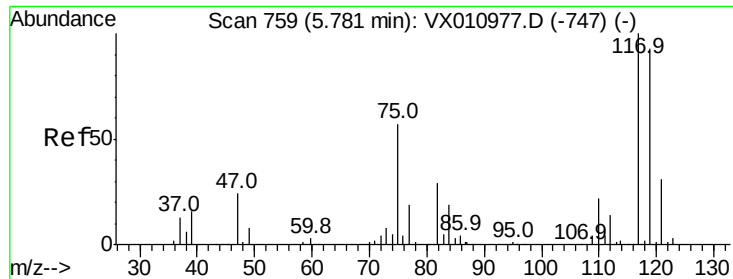
MMDadoda
 7/19/2019 3:13:14 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.877 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX010986.D
 Acq: 19 Jul 2019 02:38

Tgt Ion: 97 Resp: 72744
 Ion Ratio Lower Upper
 97 100
 99 65.9 51.0 76.6
 61 42.4 34.3 51.5





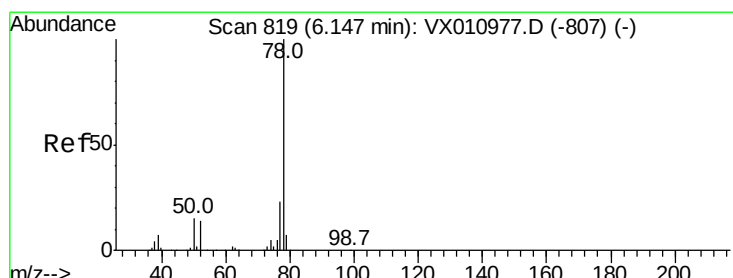
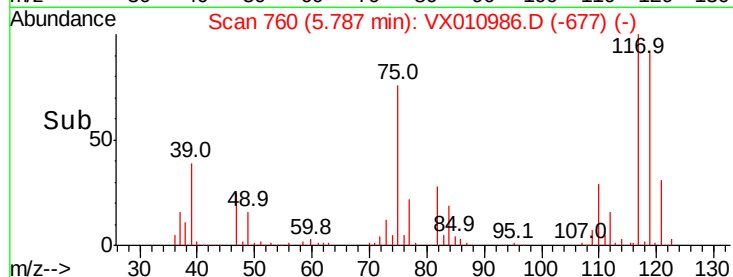
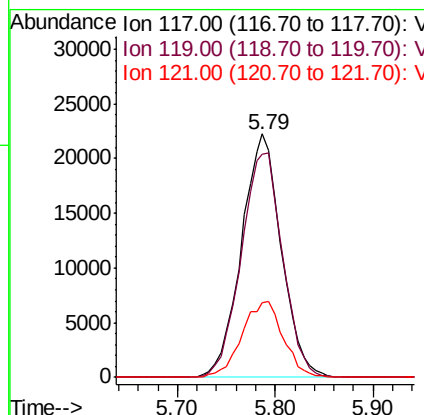
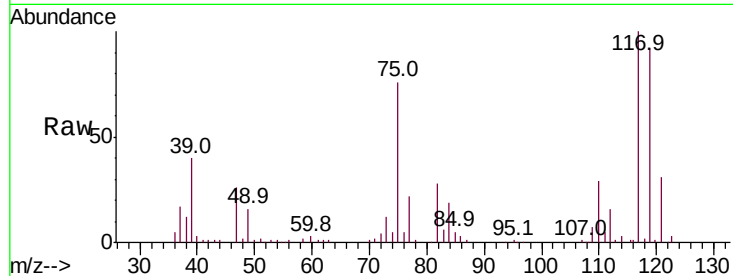
#33
Carbon Tetrachloride
Concen: 19.702 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	91.4	74.3	111.5
121	30.9	24.9	37.3

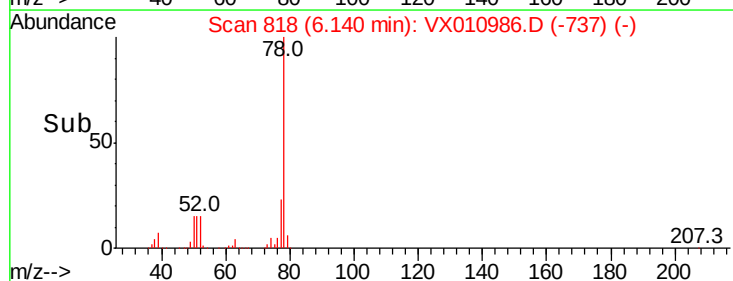
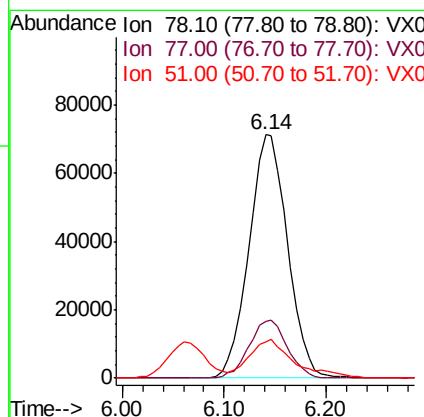
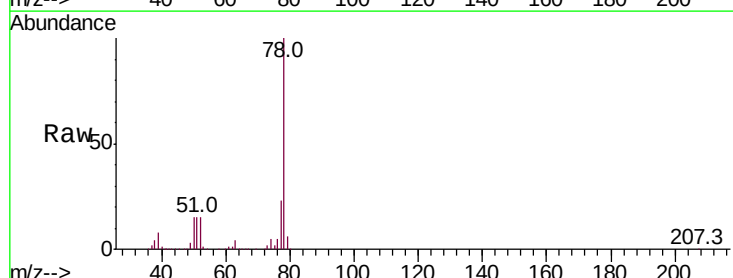
Manual Integrations
APPROVED

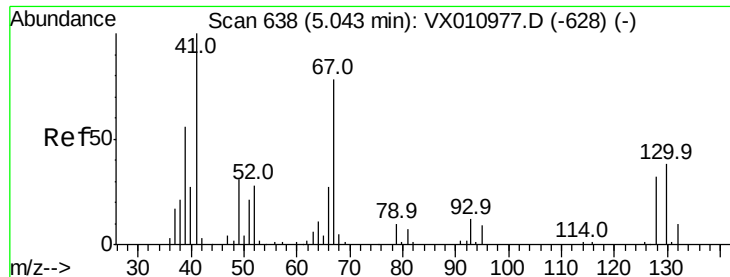
MMDadoda
7/19/2019 3:13:14 PM



#34
Benzene
Concen: 20.588 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.2	27.4
51	13.2	11.4	17.2





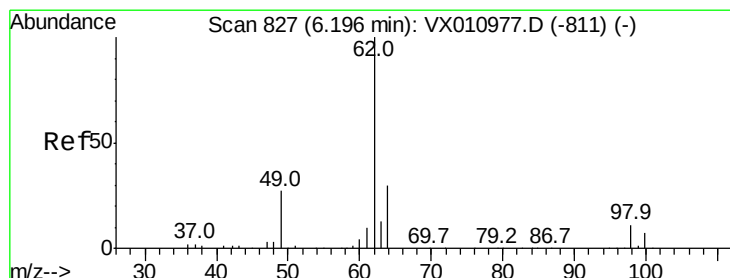
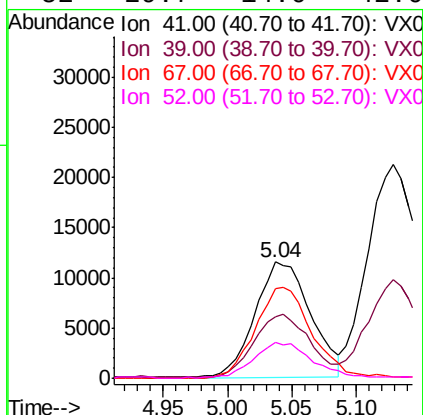
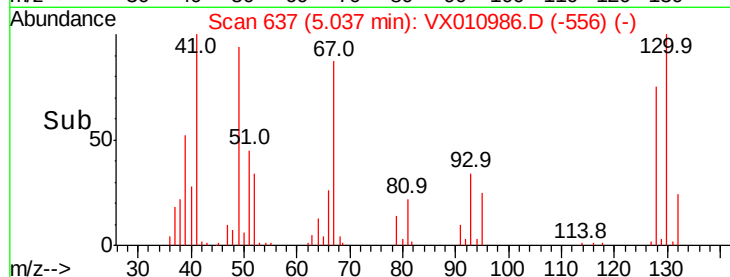
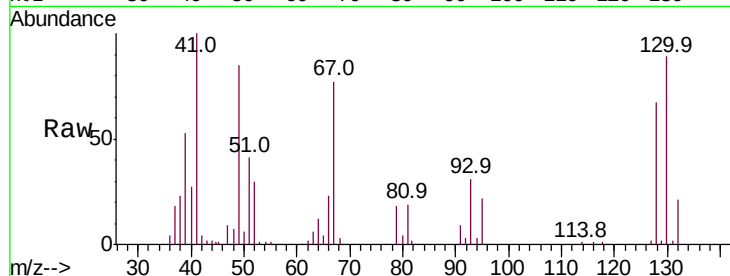
#35
Methacrylonitrile
Concen: 20.348 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.1	27.6	82.8
67	78.0	39.1	117.2
52	29.7	14.0	42.0

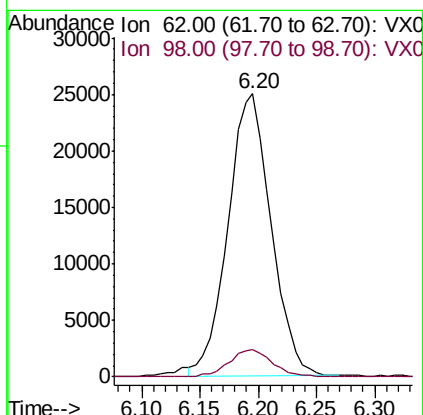
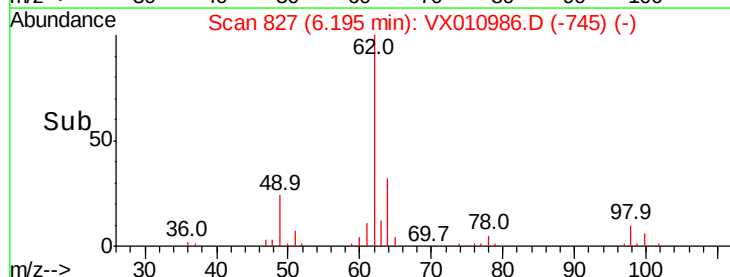
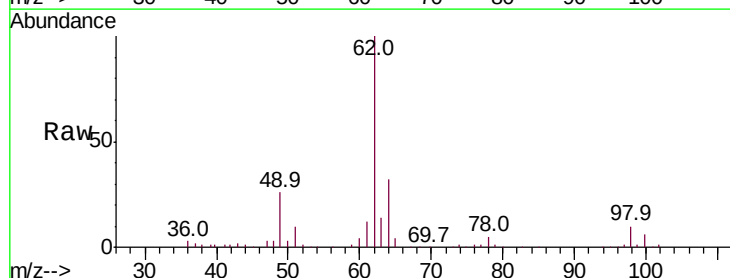
Manual Integrations
APPROVED

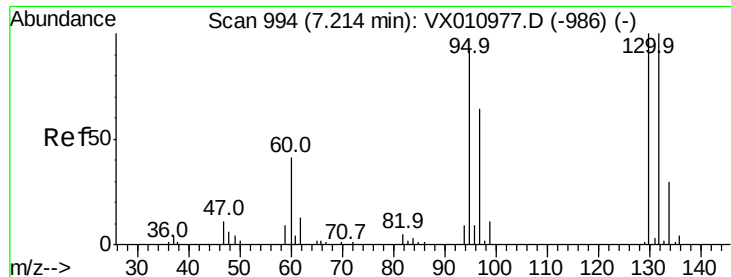
MMDadoda
7/19/2019 3:13:14 PM



#36
1,2-Dichloroethane
Concen: 19.704 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	8.0	12.0





#37

Trichloroethene

Concen: 20.473 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion:130 Resp: 54564

Ion Ratio Lower Upper

130 100

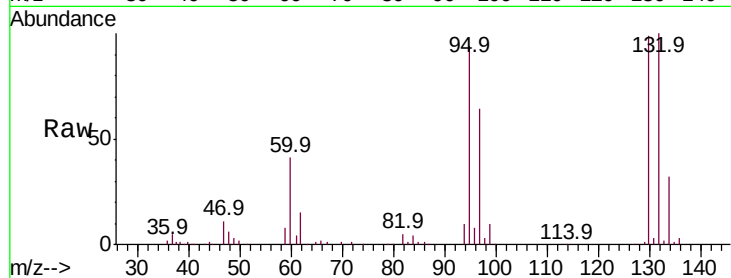
95 94.9 74.1 111.1

Manual Integrations

APPROVED

MMDadoda

7/19/2019 3:13:14 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

25000

20000

15000

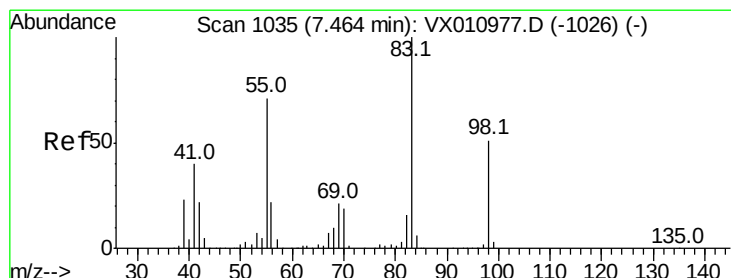
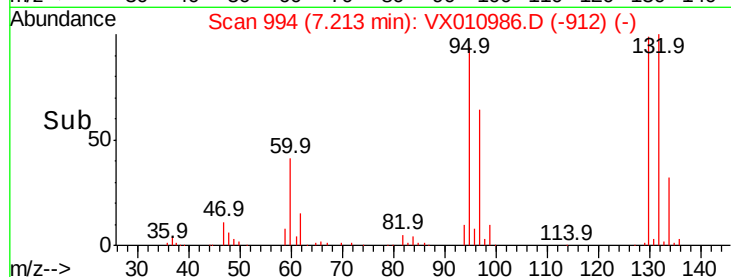
10000

5000

0

7.15 7.20 7.25 7.30

Time-->



#38

Methylcyclohexane

Concen: 20.362 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

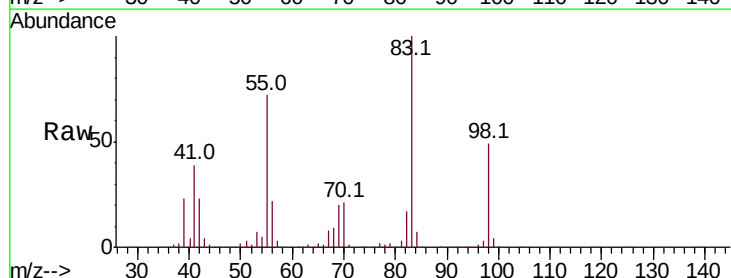
Tgt Ion: 83 Resp: 77987

Ion Ratio Lower Upper

83 100

55 71.0 35.3 105.9

98 48.0 24.0 72.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.46

40000

30000

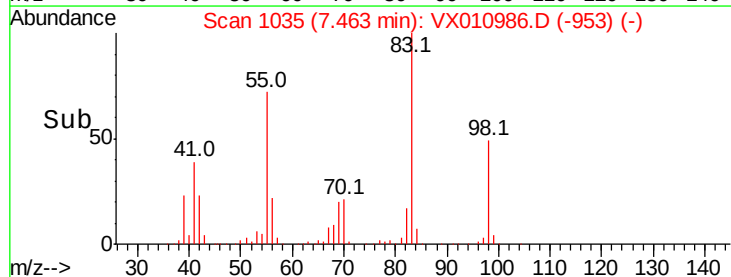
20000

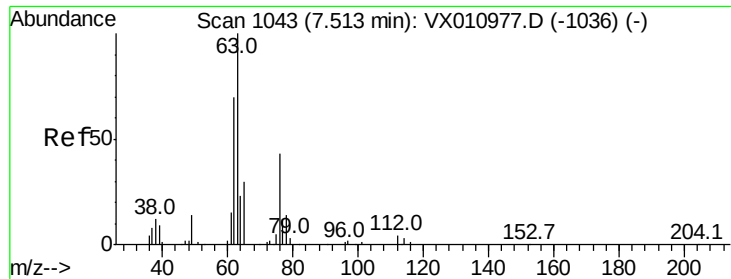
10000

0

7.40 7.50 7.60

Time-->





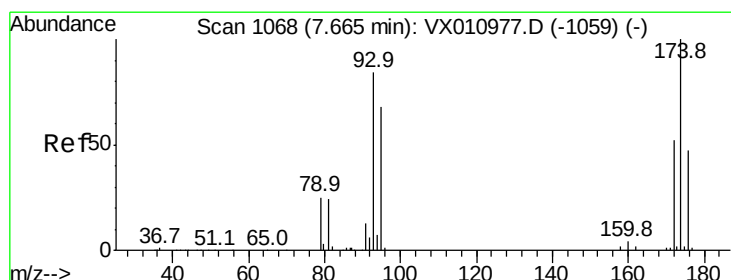
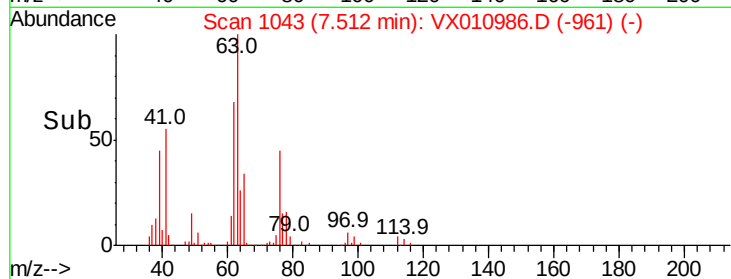
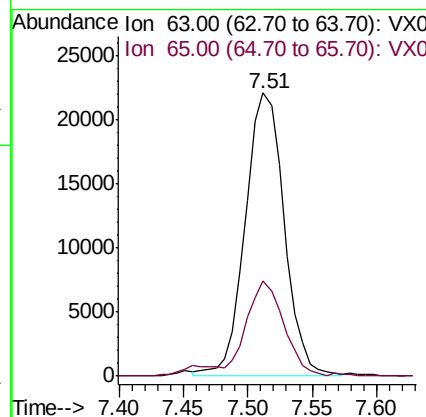
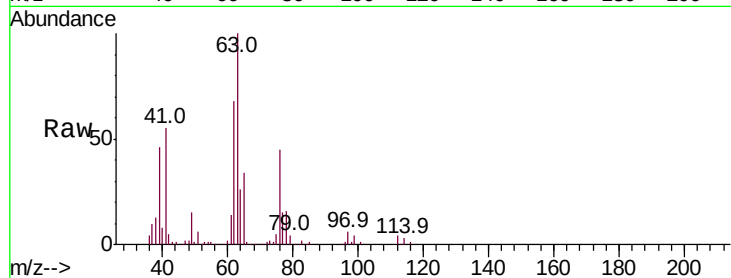
#39
 1,2-Dichloropropane
 Concen: 20.161 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010986.D
 Acq: 19 Jul 2019 02:38

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.1	25.6	38.4

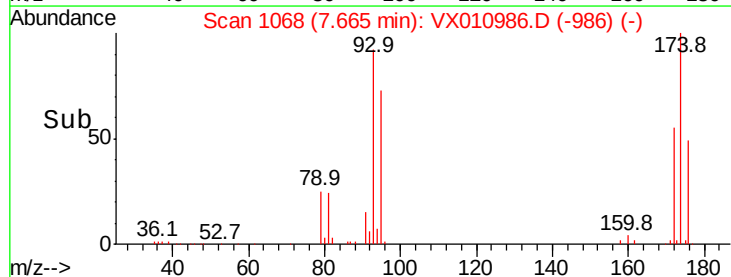
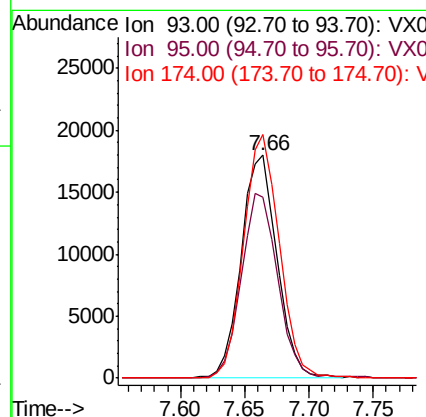
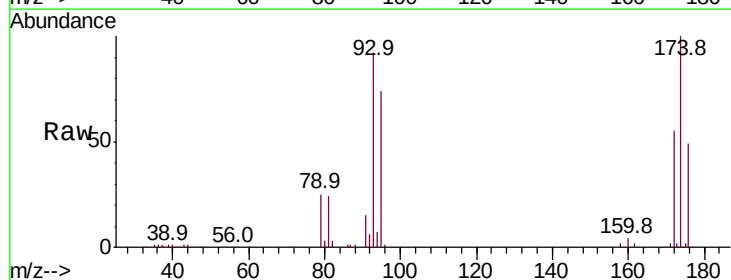
Manual Integrations
 APPROVED

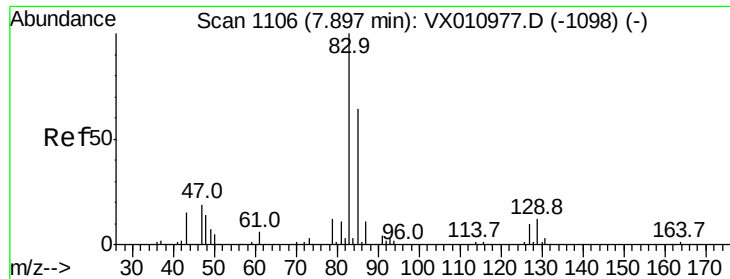
MMDadoda
 7/19/2019 3:13:14 PM



#40
 Dibromomethane
 Concen: 20.744 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX010986.D
 Acq: 19 Jul 2019 02:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	0.0	166.0
174	109.1	0.0	229.2





#41

Bromodichloromethane

Concen: 19.602 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

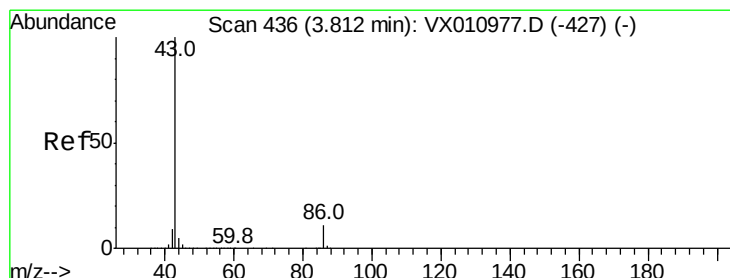
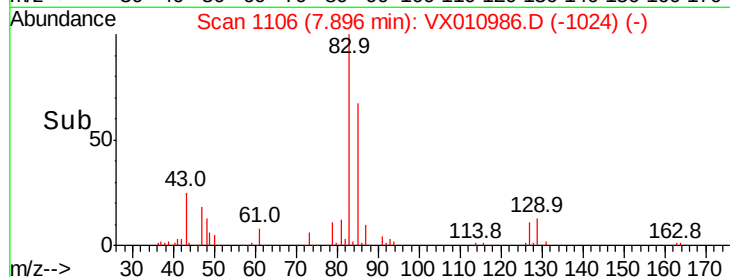
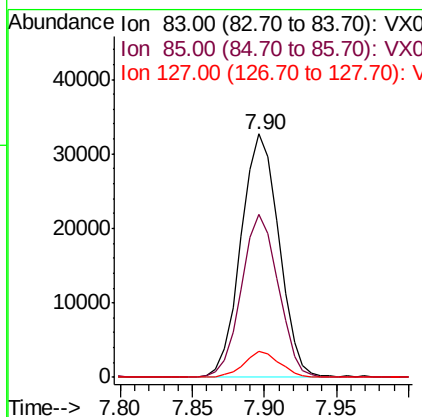
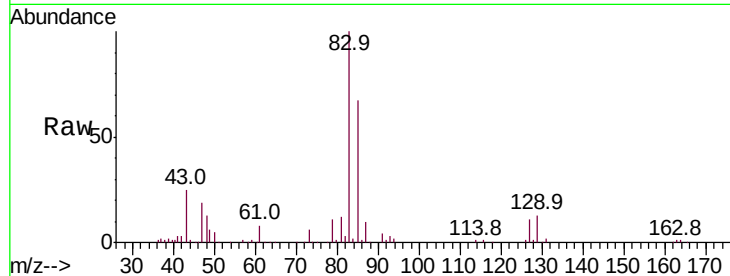
ClientSampleId :

VX0719WBSD01

Tot Ion:	83	Resp:	59711
Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.9	76.3
127	10.8	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
7/19/2019 3:13:14 PM



#42

Vinyl Acetate

Concen: 100.045 ug/l

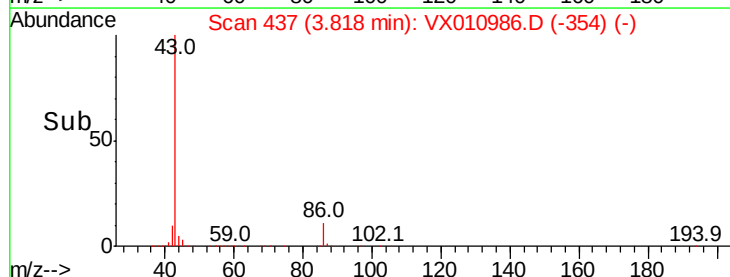
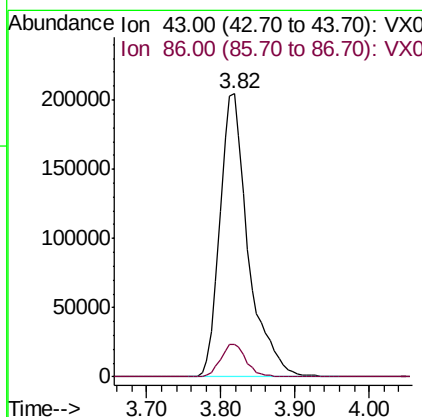
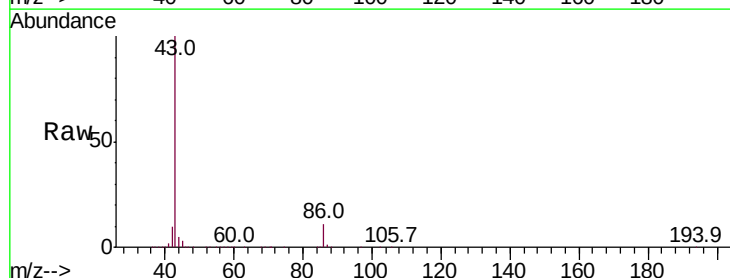
RT: 3.82 min Scan# 437

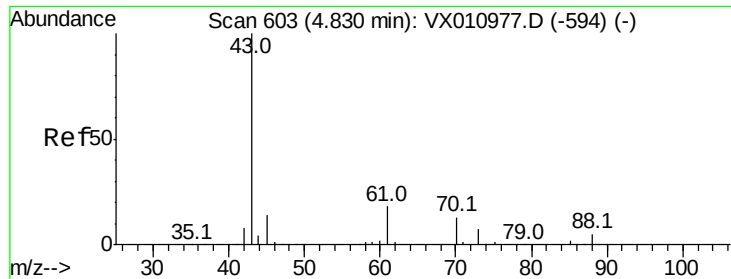
Delta R.T. 0.01 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Tgt Ion:	43	Resp:	539958
Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.2	12.2





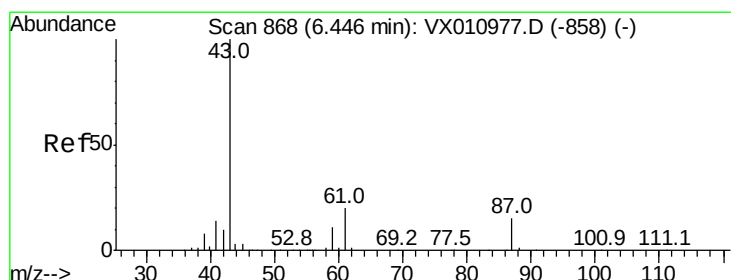
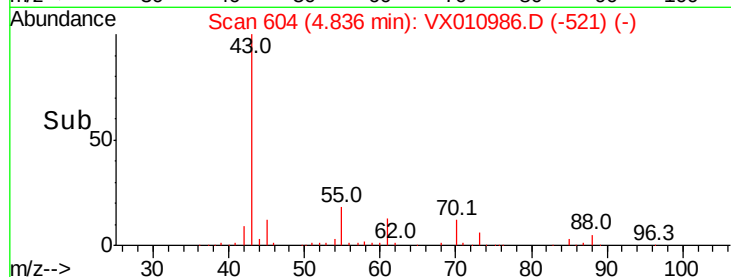
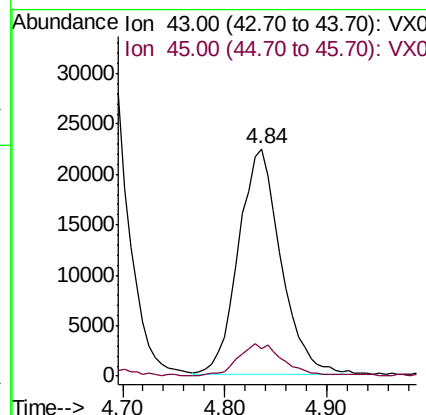
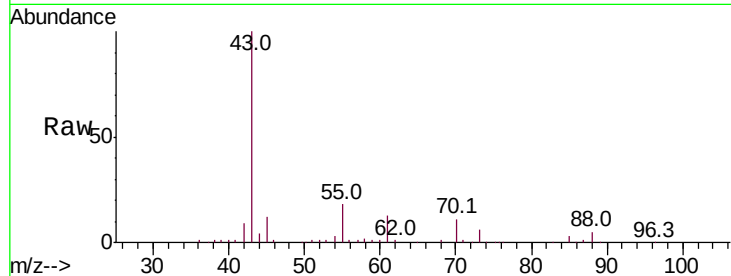
#43
Ethyl Acetate
Concen: 20.441 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion: 43 Resp: 64279
Ion Ratio Lower Upper
43 100
45 15.7 12.1 18.1

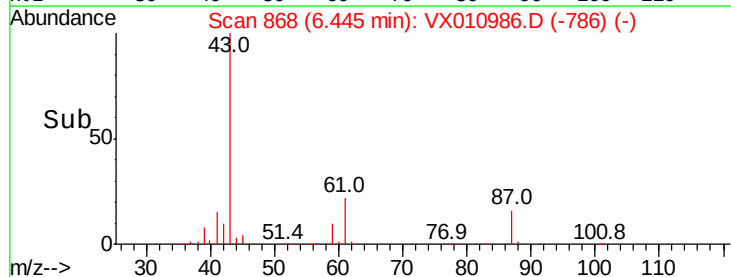
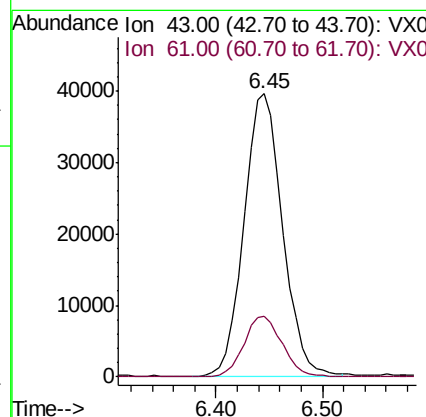
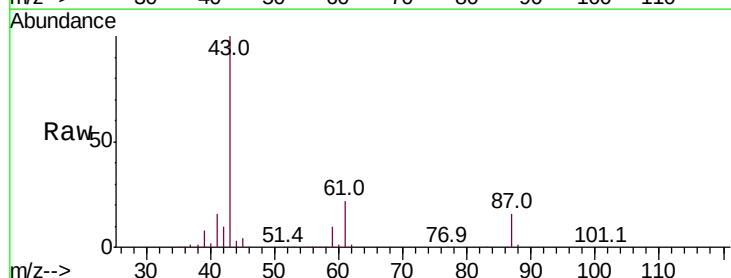
Manual Integrations
APPROVED

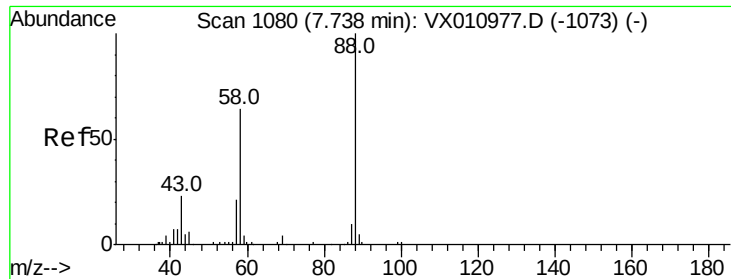
MMDadoda
7/19/2019 3:13:14 PM



#44
Isopropyl Acetate
Concen: 19.613 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Tgt Ion: 43 Resp: 100455
Ion Ratio Lower Upper
43 100
61 21.5 16.7 25.1





#45

1,4-Dioxane

Concen: 425.044 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

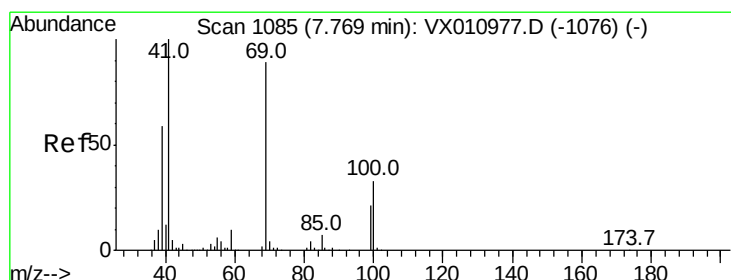
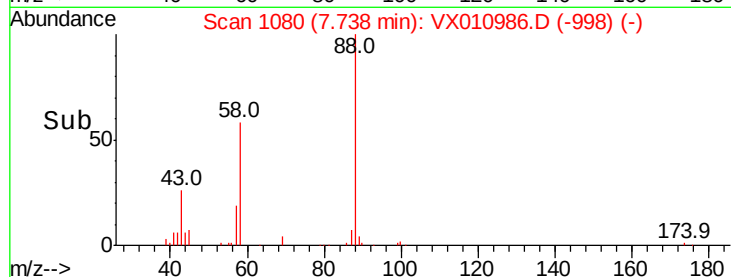
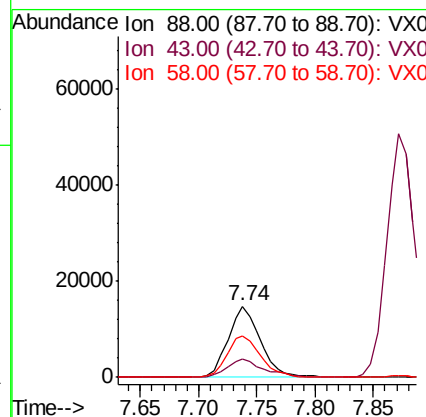
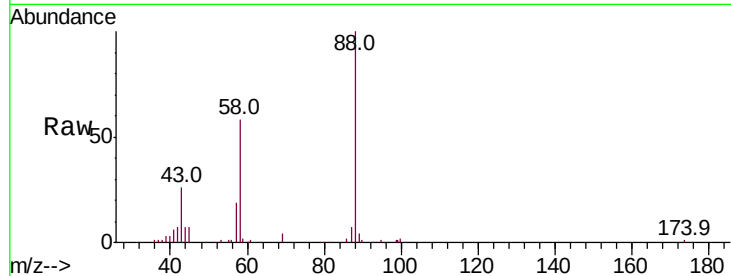
ClientSampleId :

VX0719WBSD01

Tot Ion:	88	Resp:	28335
Ion	Ratio	Lower	Upper
88	100		
43	29.4	21.6	32.4
58	60.9	52.2	78.2

Manual Integrations
APPROVED

MMDadoda
7/19/2019 3:13:14 PM



#46

Methyl methacrylate

Concen: 19.972 ug/l

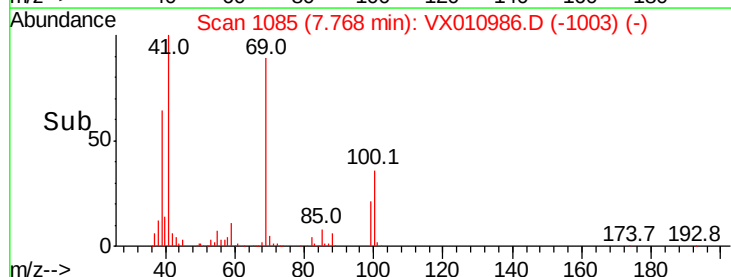
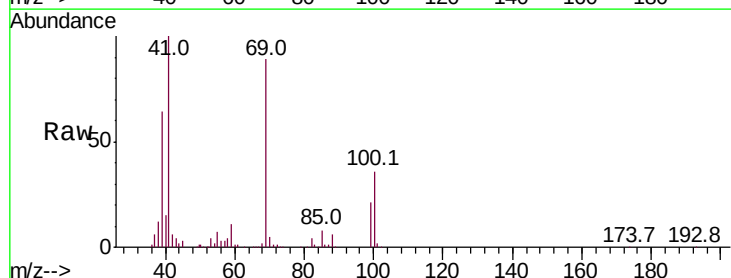
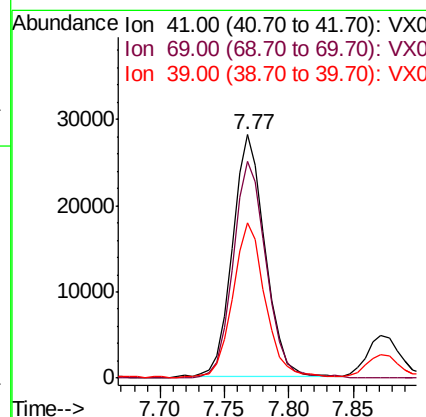
RT: 7.77 min Scan# 1085

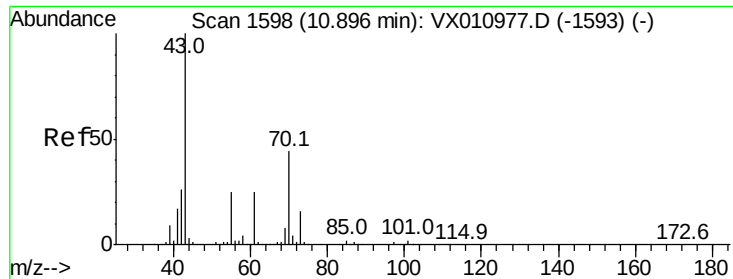
Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Tgt Ion:	41	Resp:	49650
Ion	Ratio	Lower	Upper
41	100		
69	89.6	44.7	134.1
39	63.5	29.4	88.2





#47

n-amvl Acetate

Concen: 19.926 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion: 43 Resp: 91532

Ion Ratio Lower Upper

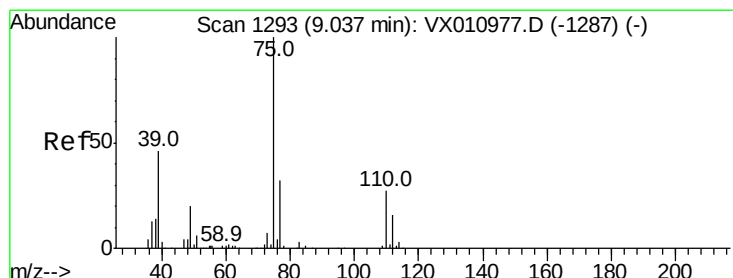
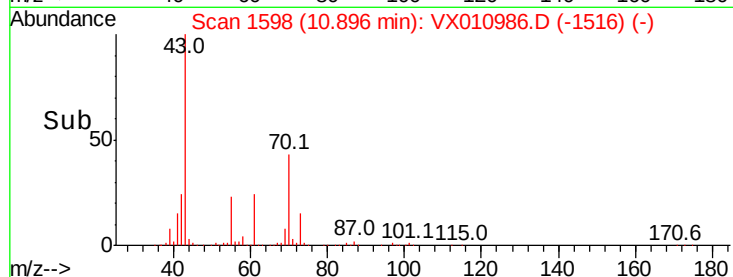
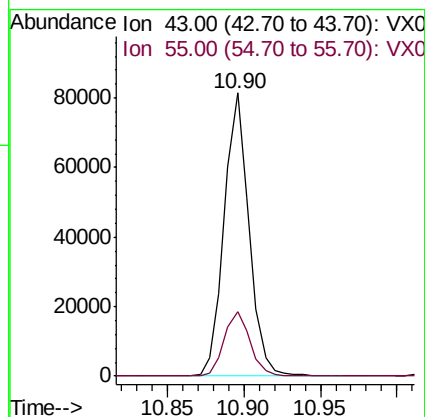
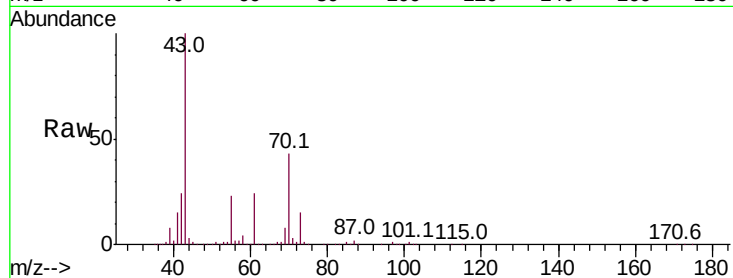
43 100

55 24.1 19.6 29.4

Manual Integrations
APPROVED

MMDadoda

7/19/2019 3:13:14 PM



#48

t-1,3-Dichloropropene

Concen: 18.562 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010986.D

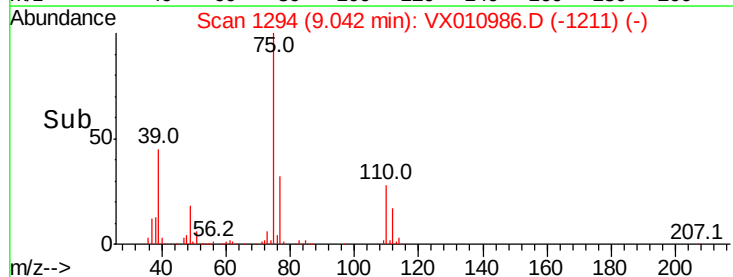
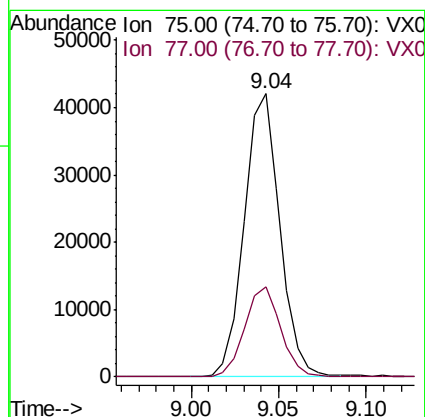
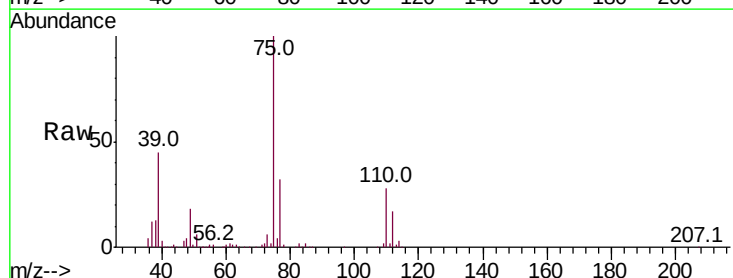
Acq: 19 Jul 2019 02:38

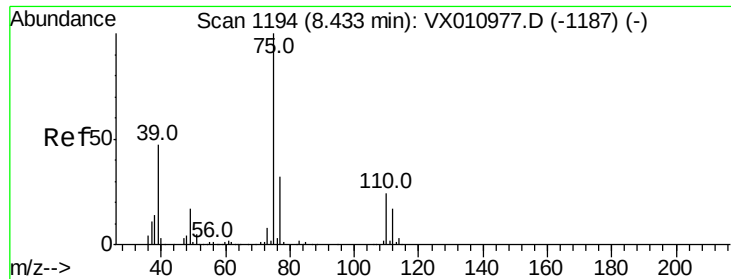
Tgt Ion: 75 Resp: 59590

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5





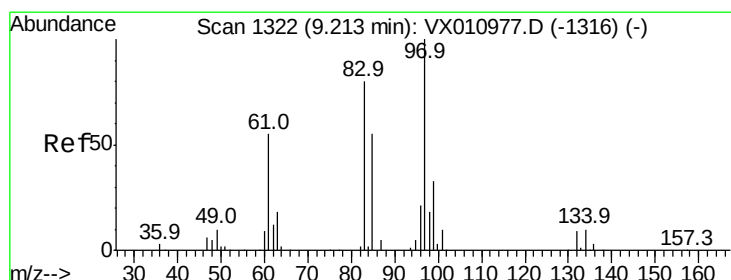
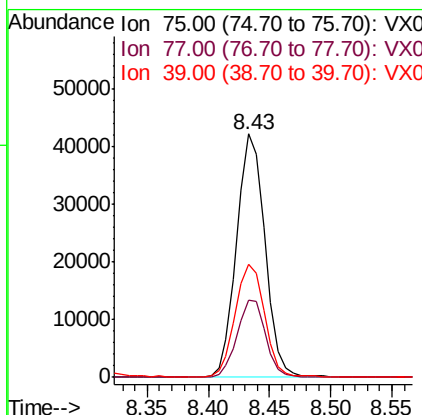
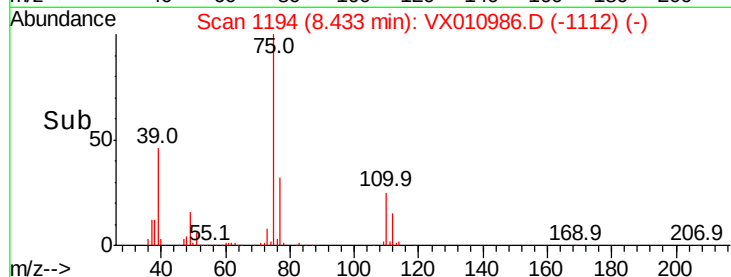
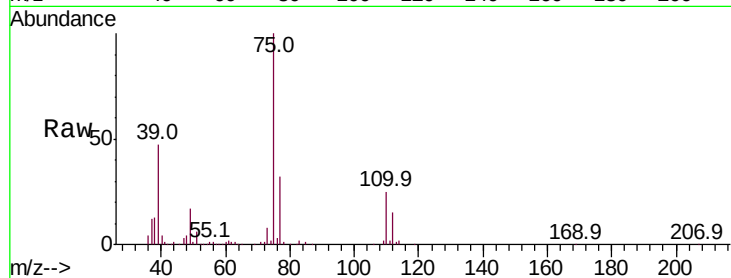
#49
 cis-1,3-Dichloropropene
 Concen: 19.440 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX010986.D
 Acq: 19 Jul 2019 02:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9
39	46.4	37.8	56.6

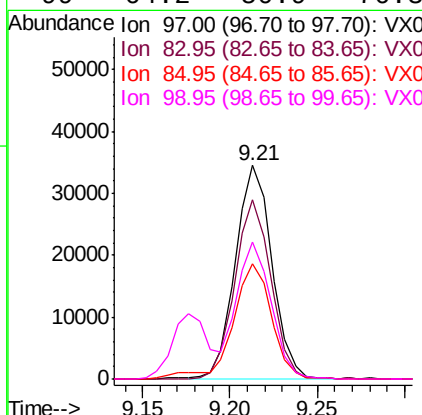
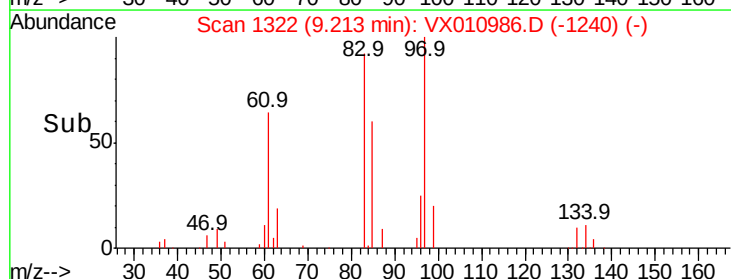
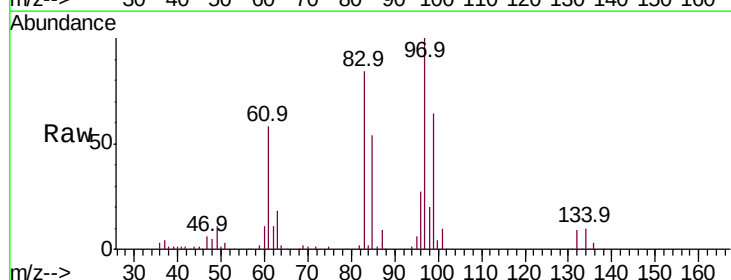
Manual Integrations
 APPROVED

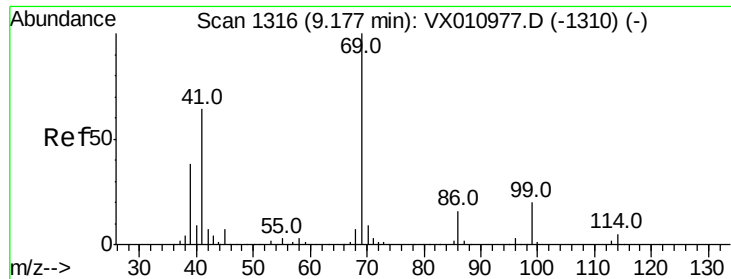
MMDadoda
 7/19/2019 3:13:14 PM



#50
 1,1,2-Trichloroethane
 Concen: 20.520 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010986.D
 Acq: 19 Jul 2019 02:38

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.0	63.9	95.9
85	54.2	43.4	65.2
99	64.2	50.9	76.3





#51

Ethyl methacrylate

Concen: 19.688 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

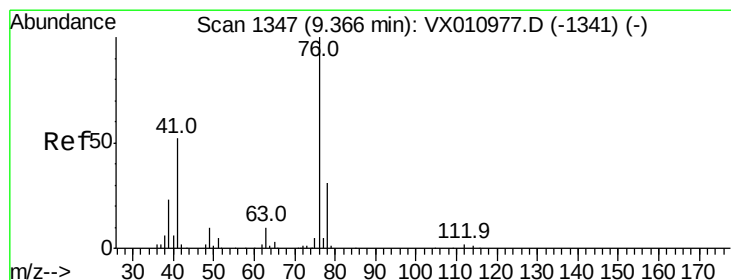
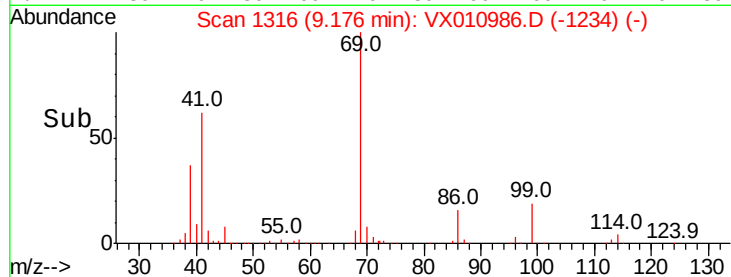
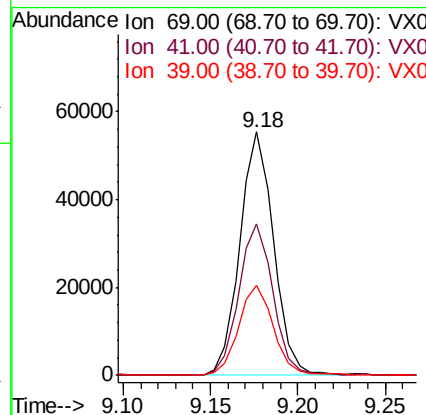
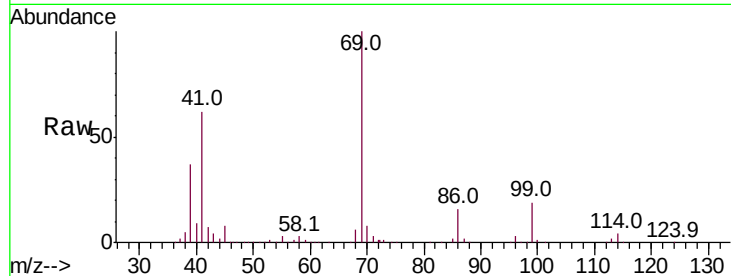
ClientSampled :

VX0719WBSD01

Tot Ion:	69	Resp:	74581
Ion Ratio	Lower	Upper	
69	100		
41	62.3	32.1	96.3
39	36.9	19.1	57.3

Manual Integrations
APPROVED

MMDadoda
7/19/2019 3:13:14 PM



#52

1,3-Dichloropropane

Concen: 20.129 ug/l

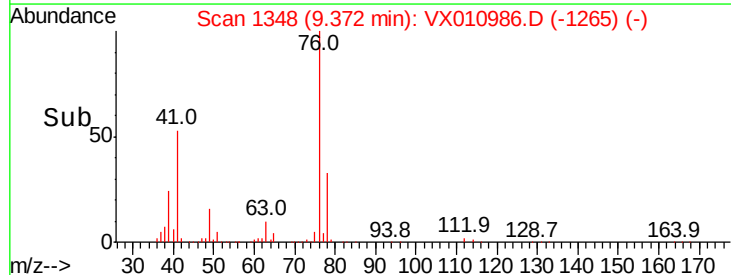
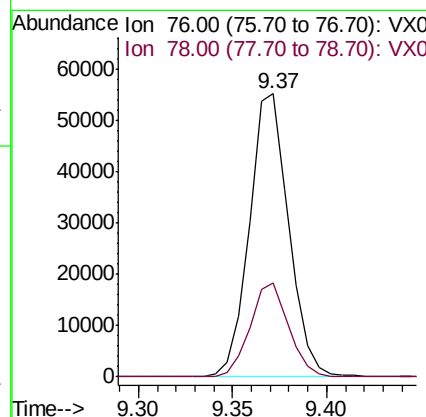
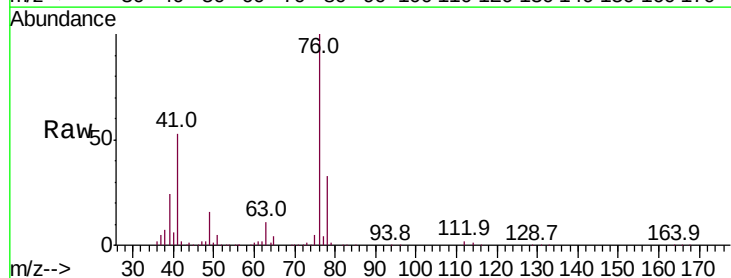
RT: 9.37 min Scan# 1348

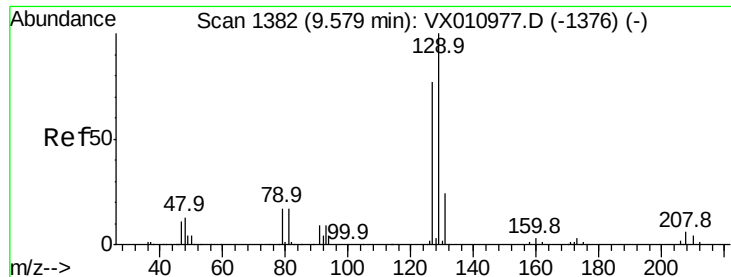
Delta R.T. 0.01 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Tgt Ion:	76	Resp:	79224
Ion Ratio	Lower	Upper	
76	100		
78	33.1	0.0	63.8





#53

Dibromochloromethane

Concen: 19.376 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion:129 Resp: 51255

Ion Ratio Lower Upper

129 100

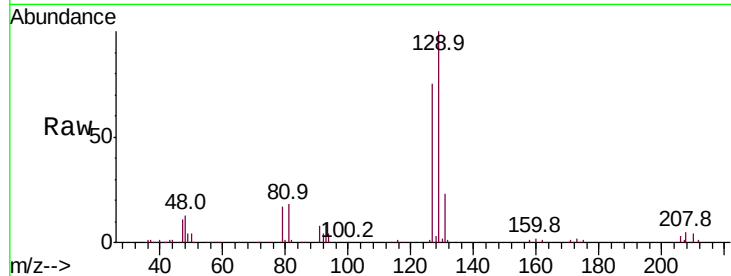
127 75.7 38.1 114.3

Manual Integrations

APPROVED

MMDadoda

7/19/2019 3:13:14 PM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.58

40000

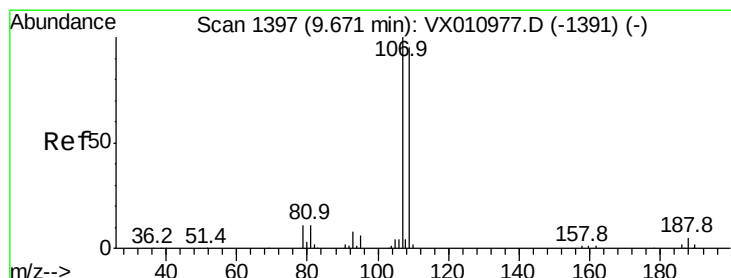
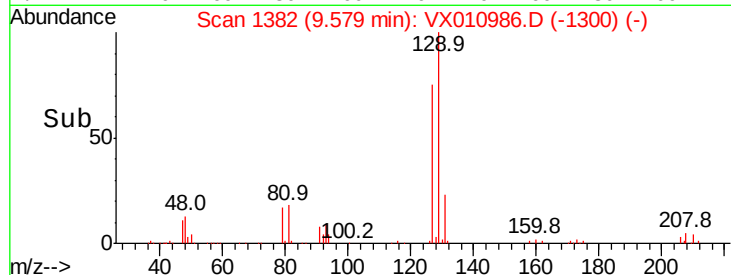
30000

20000

10000

0

Time--> 9.50 9.55 9.60 9.65



#54

1,2-Dibromoethane

Concen: 20.183 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010986.D

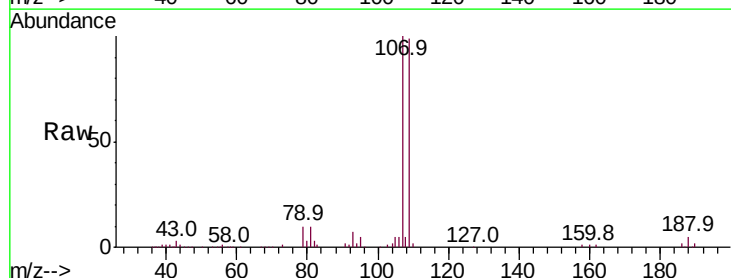
Acq: 19 Jul 2019 02:38

Tgt Ion:107 Resp: 53723

Ion Ratio Lower Upper

107 100

109 95.4 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.67

40000

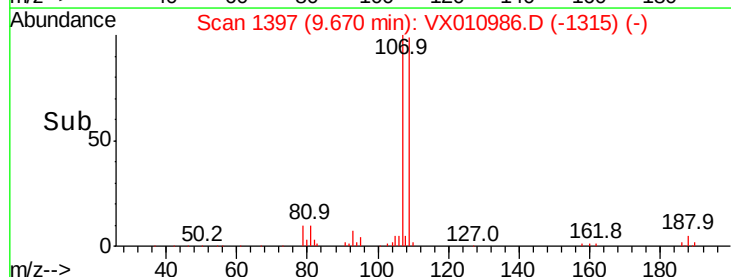
30000

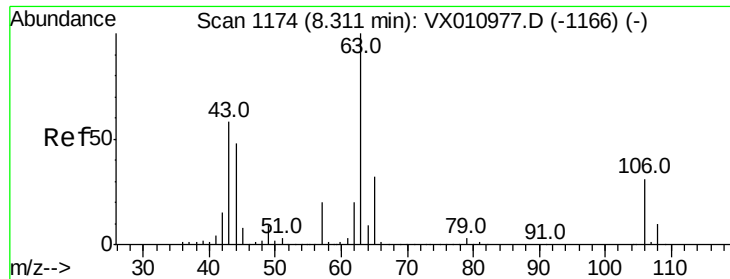
20000

10000

0

Time--> 9.60 9.65 9.70 9.75





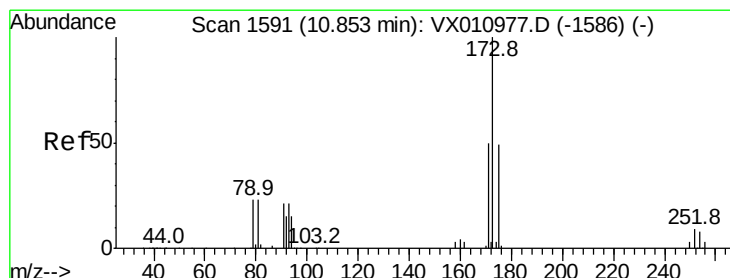
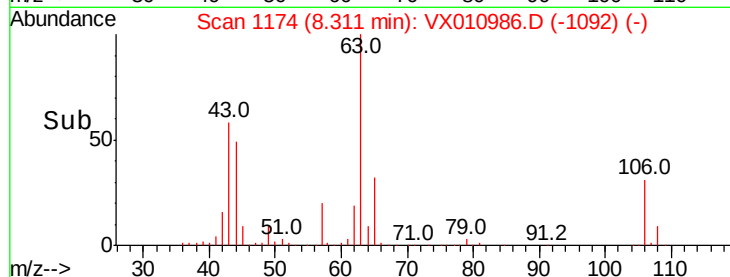
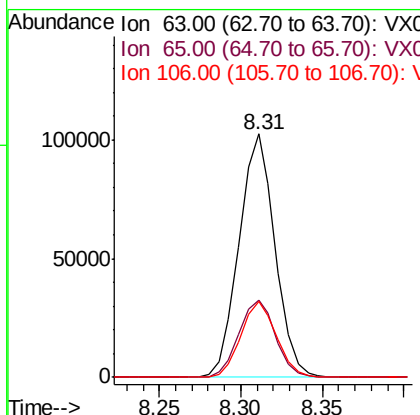
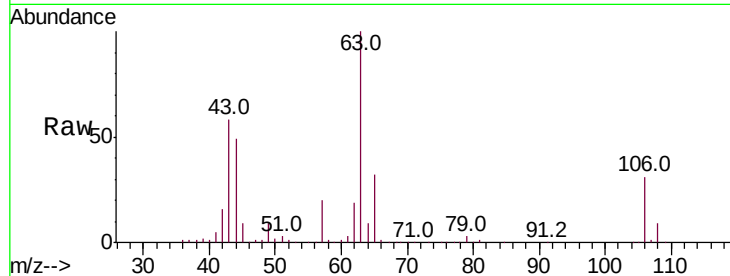
#55
2-Chloroethyl vinyl ether
Concen: 98.177 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.7	38.5
106	30.7	24.8	37.2

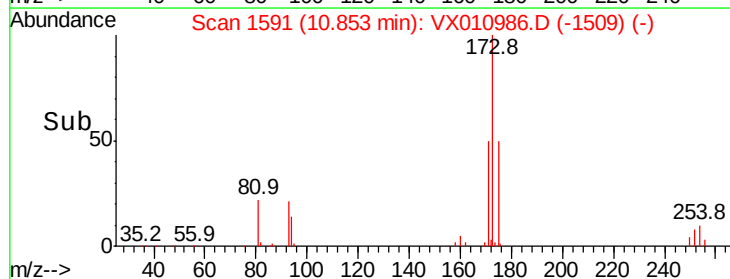
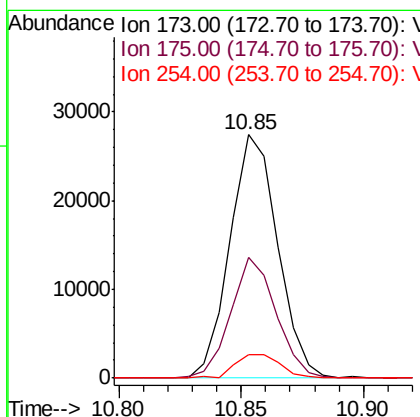
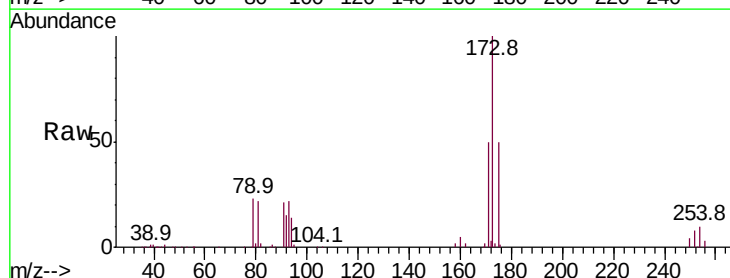
Manual Integrations
APPROVED

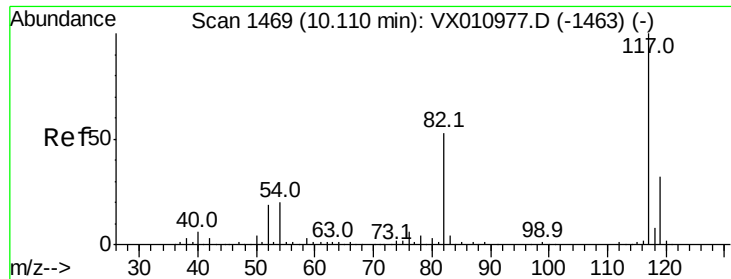
MMDadoda
7/19/2019 3:13:14 PM



#56
Bromoform
Concen: 18.957 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.9	39.0	58.6
254	9.1	7.9	11.9





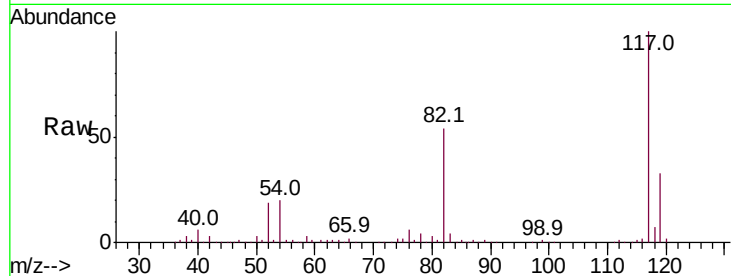
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

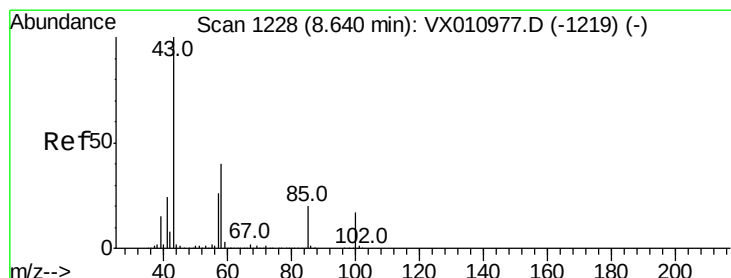
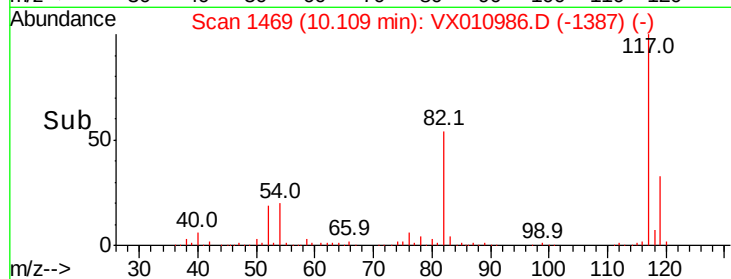
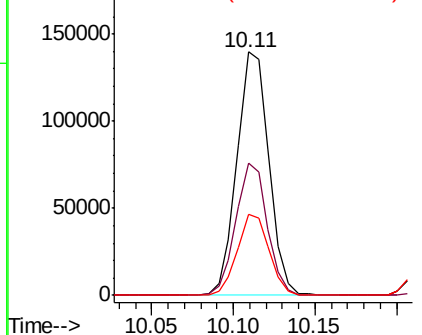
Tot Ion	Ratio	Resp	Lower	Upper
117	100	191335		
82	53.5	41.6	62.4	
119	33.2	26.0	39.0	

Manual Integrations
APPROVED

MMDadoda
7/19/2019 3:13:14 PM

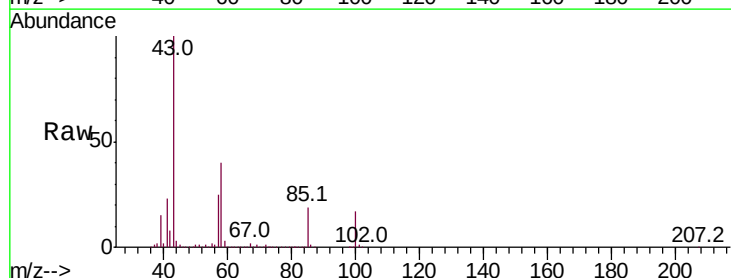


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

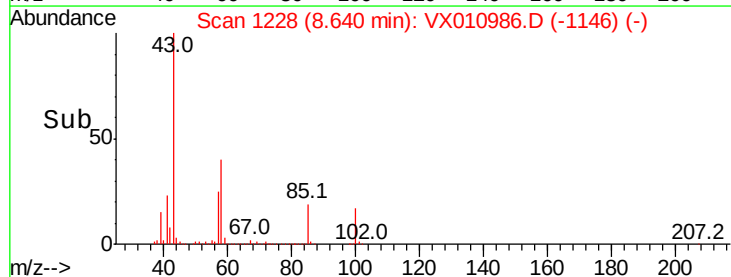
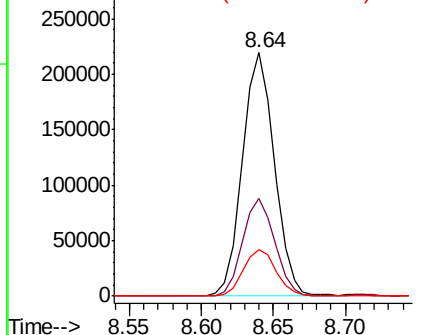


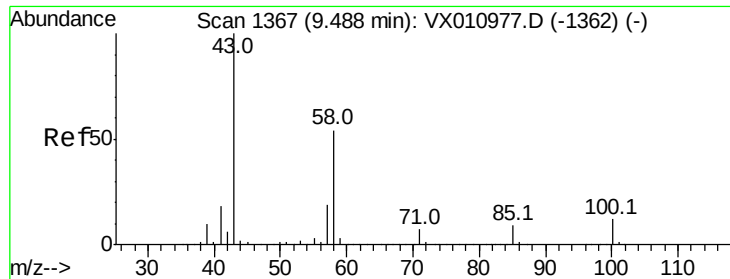
#58
4-Methyl-2-Pentanone
Concen: 104.278 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	336954		
58	40.3	32.6	48.8	
85	19.7	15.8	23.6	



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0





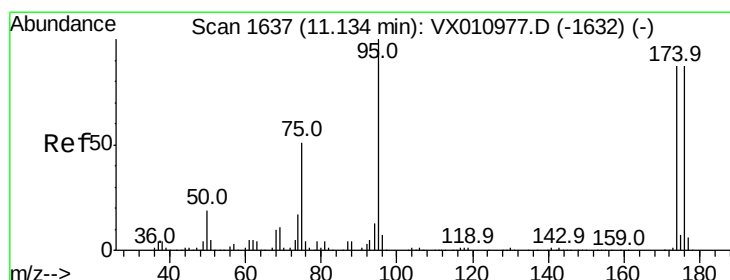
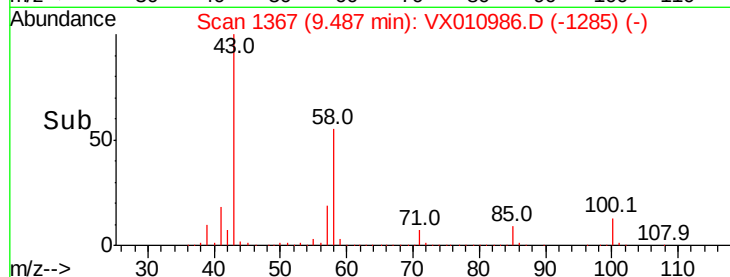
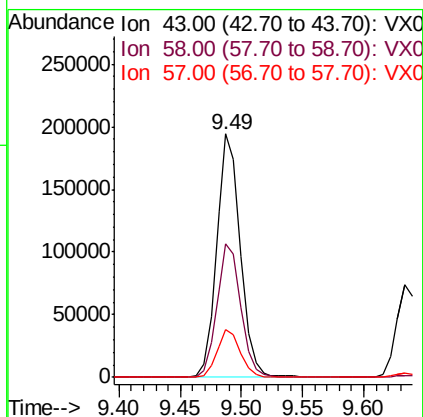
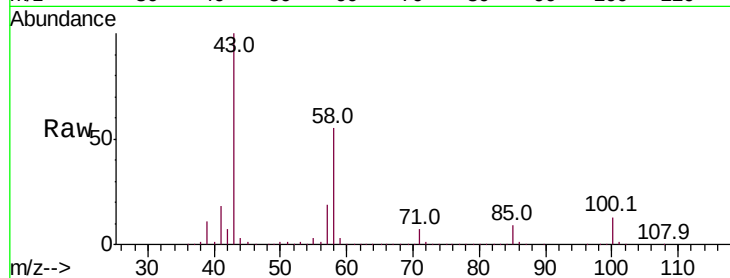
#59
2-Hexanone
Concen: 105.379 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.7	44.7	67.1
57	19.4	15.4	23.2

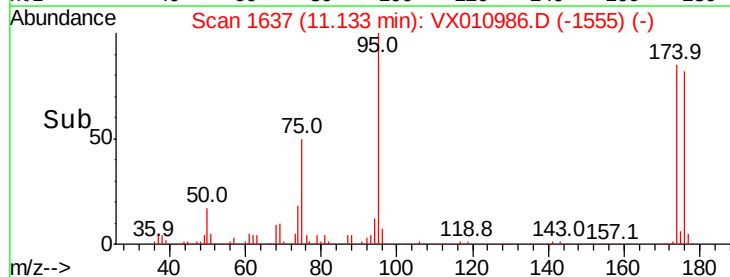
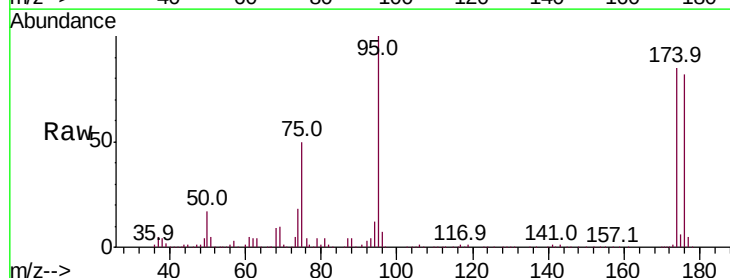
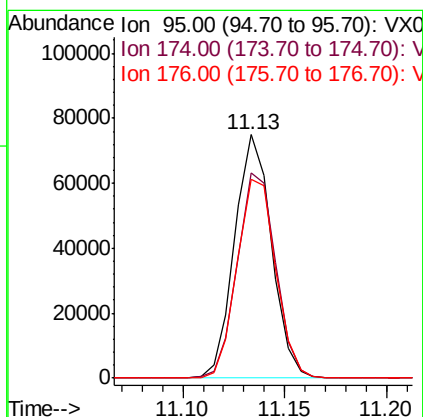
Manual Integrations
APPROVED

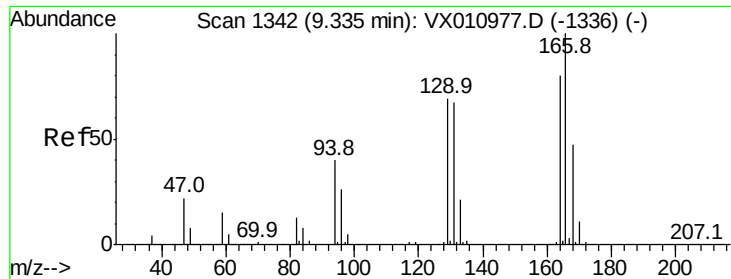
MMDadoda
7/19/2019 3:13:14 PM



#60
4-Bromofluorobenzene
Concen: 29.815 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.2	73.3	109.9
176	86.1	71.2	106.8





#61

Tetrachloroethene

Concen: 21.523 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion:164 Resp: 54372

Ion Ratio Lower Upper

164 100

166 129.1 100.1 150.1

129 94.4 69.6 104.4

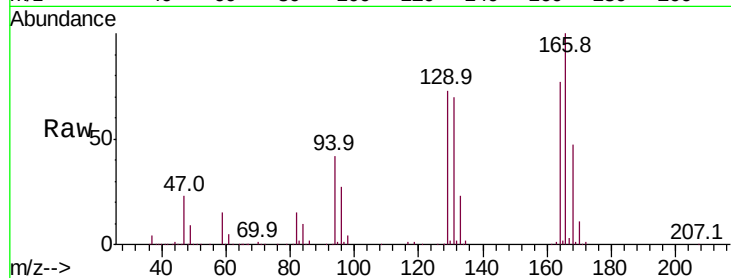
131 90.2 67.0 100.6

Manual Integrations

APPROVED

MMDadoda

7/19/2019 3:13:14 PM



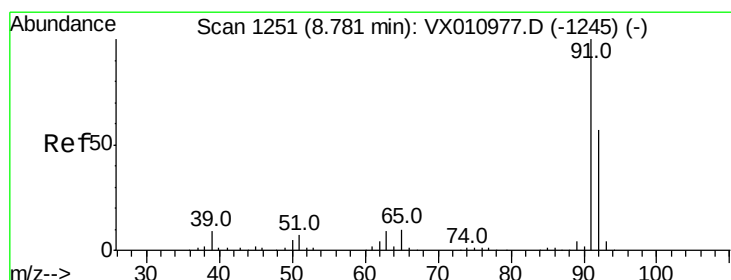
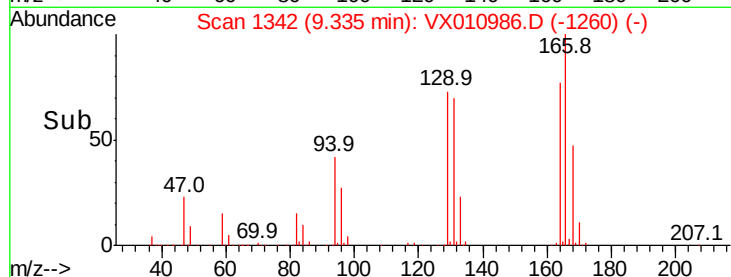
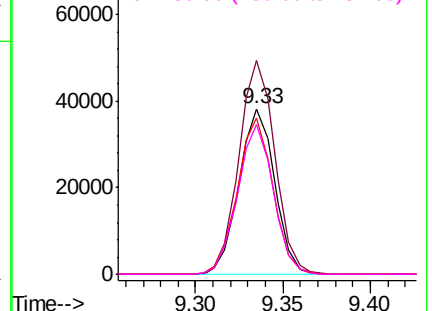
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.989 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010986.D

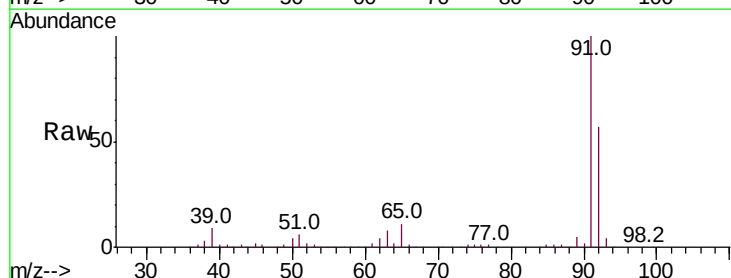
Acq: 19 Jul 2019 02:38

Tgt Ion: 91 Resp: 213342

Ion Ratio Lower Upper

91 100

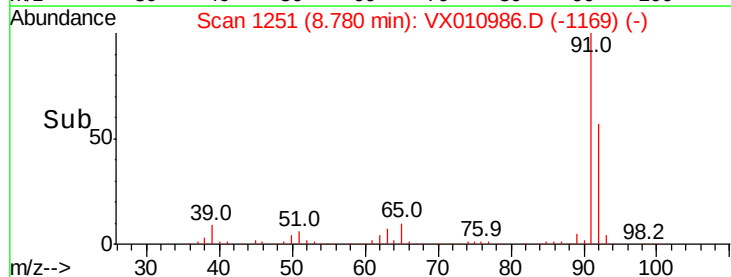
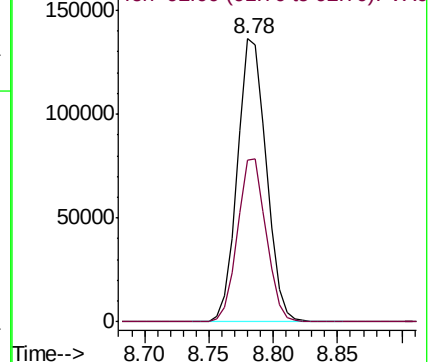
92 56.9 45.4 68.2

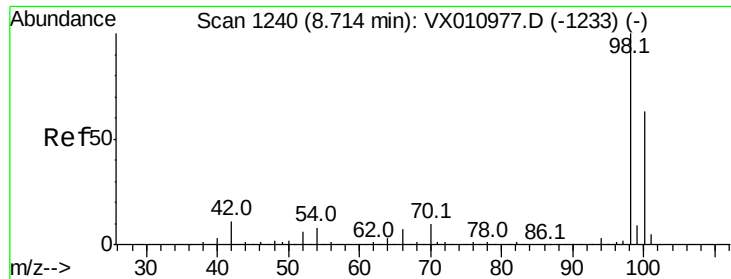


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





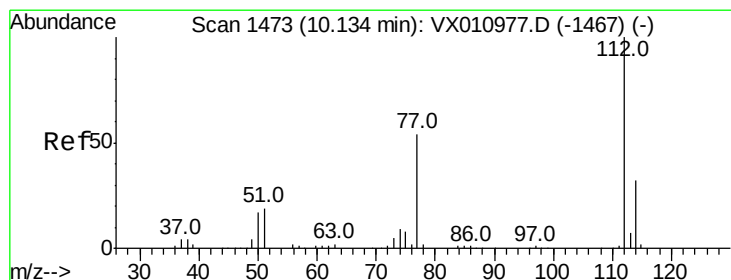
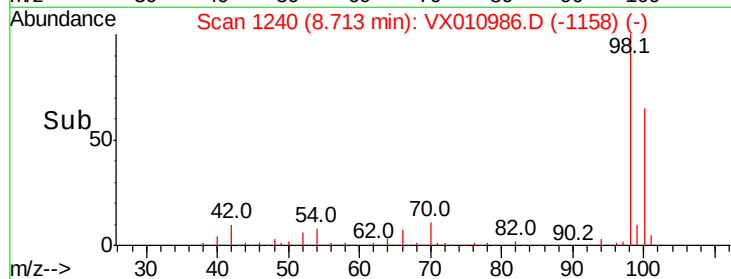
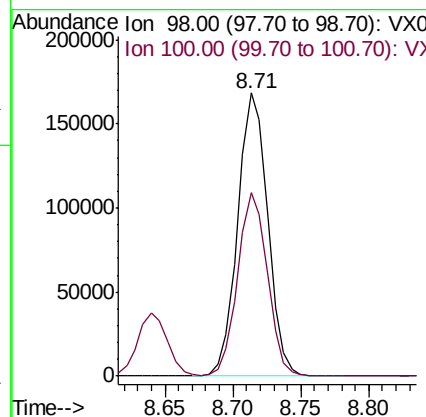
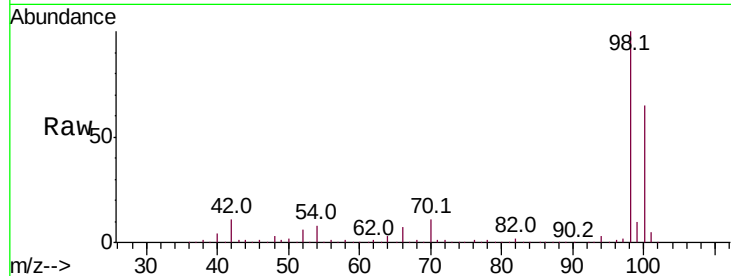
#63
Toluene-d8
Concen: 30.865 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Instrument :
MSVOA_X
ClientSampled :
VX0719WBSD01

Tot Ion: 98 Resp: 259570
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0

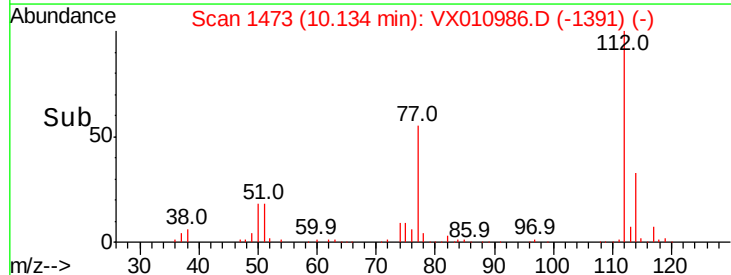
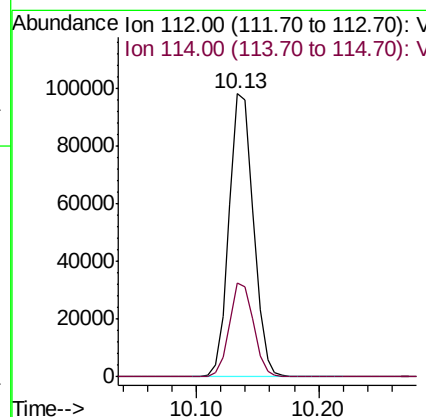
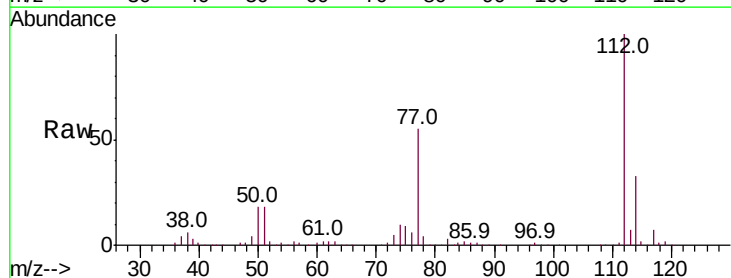
Manual Integrations
APPROVED

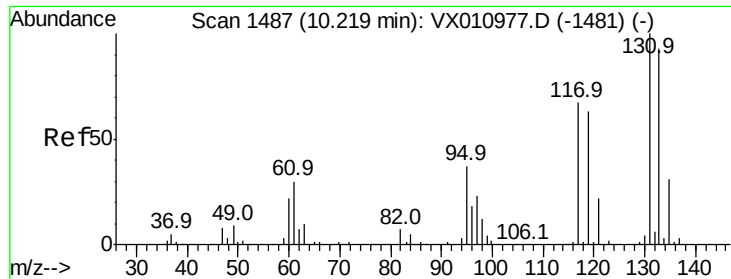
MMDadoda
7/19/2019 3:13:14 PM



#64
Chlorobenzene
Concen: 20.787 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Tgt Ion: 112 Resp: 135373
Ion Ratio Lower Upper
112 100
114 33.4 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 20.423 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion:131 Resp: 48337

Ion Ratio Lower Upper

131 100

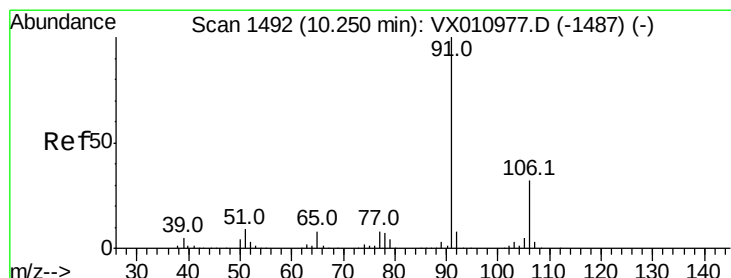
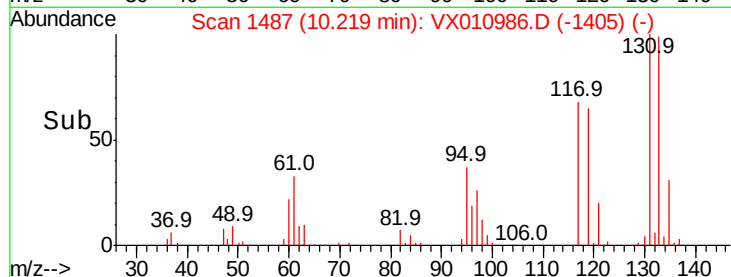
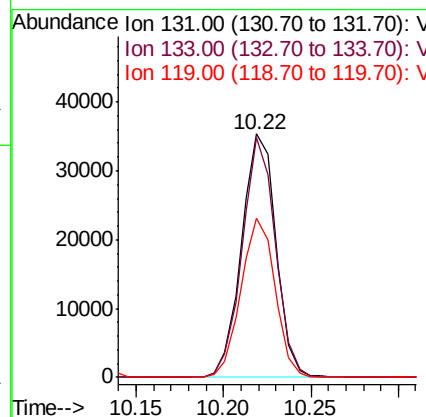
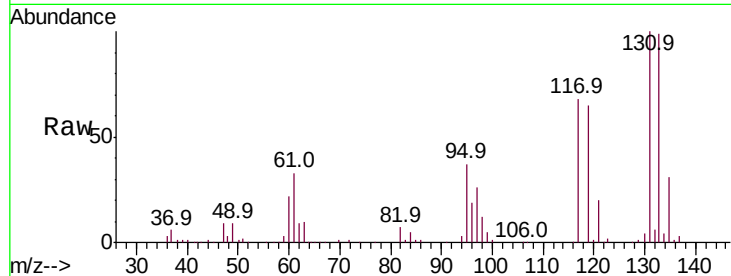
133 95.2 0.0 190.2

119 64.9 0.0 127.0

Manual Integrations
APPROVED

MMDadoda

7/19/2019 3:13:14 PM



#66

Ethyl Benzene

Concen: 20.672 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010986.D

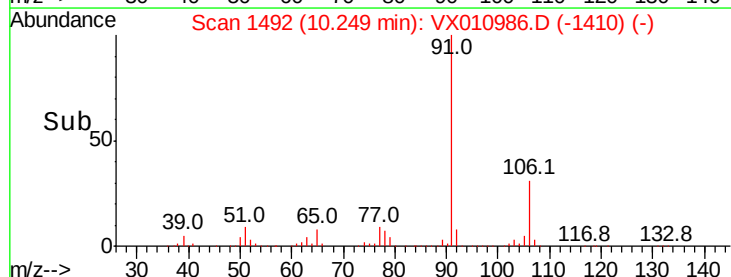
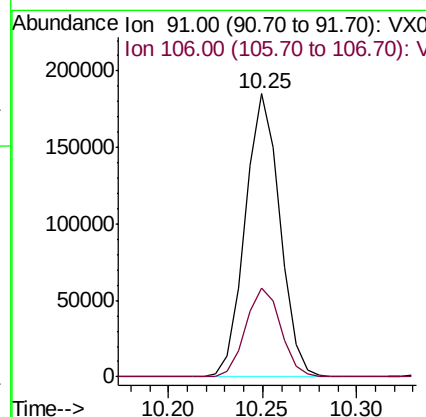
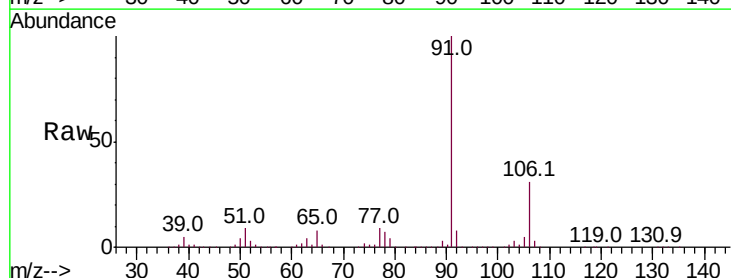
Acq: 19 Jul 2019 02:38

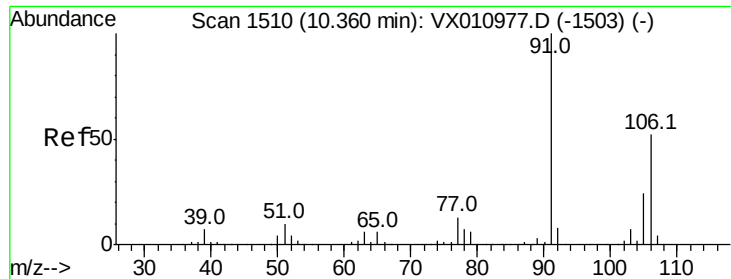
Tgt Ion: 91 Resp: 236538

Ion Ratio Lower Upper

91 100

106 31.2 25.8 38.8





#67

m/p-Xylenes

Concen: 41.993 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion:106 Resp: 183839

Ion Ratio Lower Upper

106 100

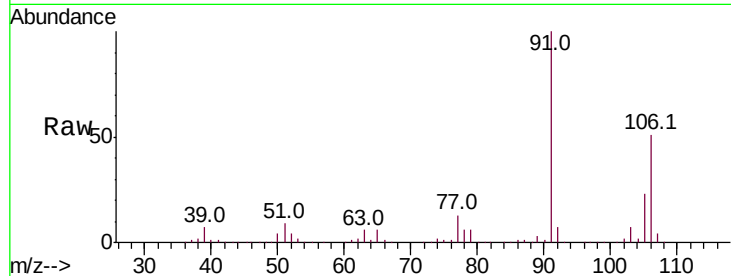
91 197.4 156.6 235.0

Manual Integrations

APPROVED

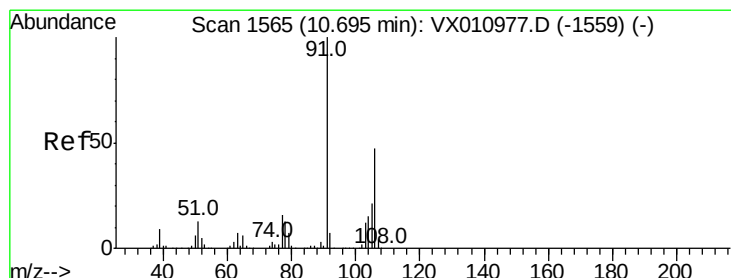
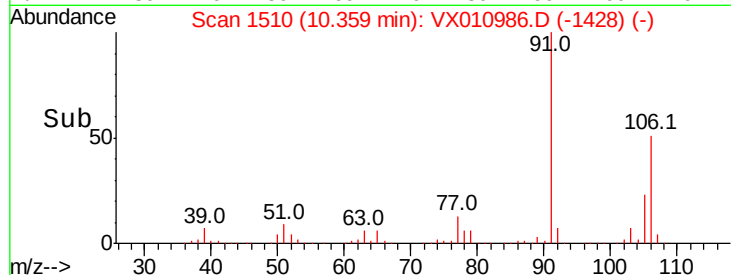
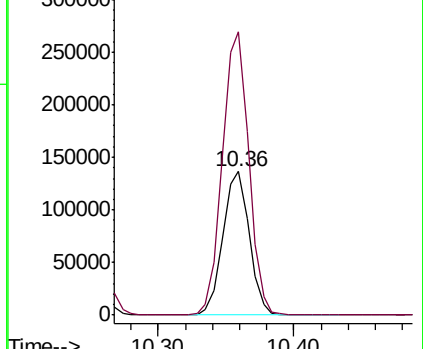
MMDadoda

7/19/2019 3:13:14 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 20.972 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX010986.D

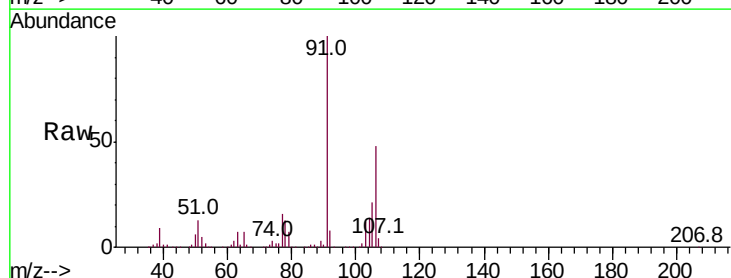
Acq: 19 Jul 2019 02:38

Tgt Ion:106 Resp: 89963

Ion Ratio Lower Upper

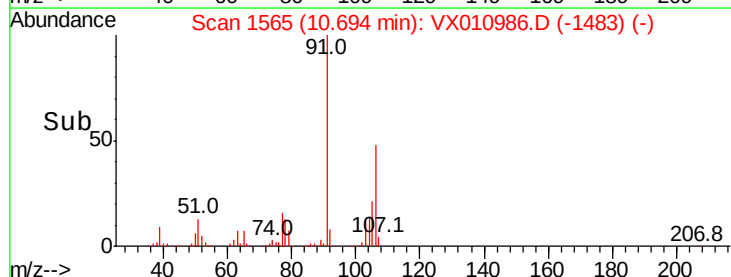
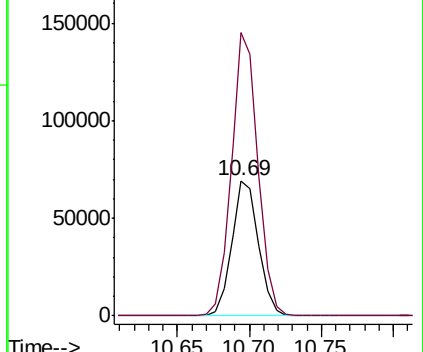
106 100

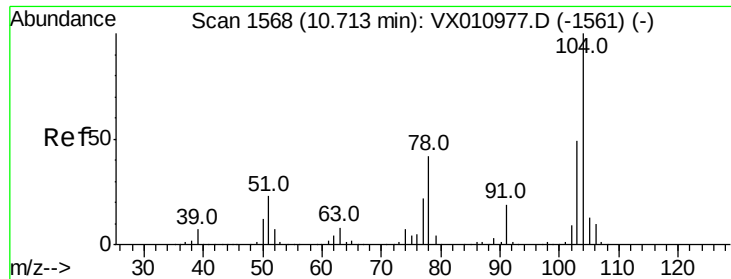
91 206.5 104.0 312.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





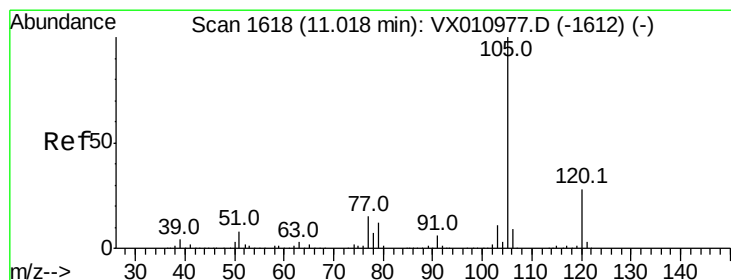
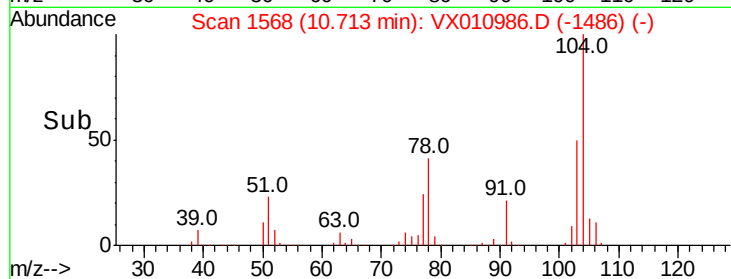
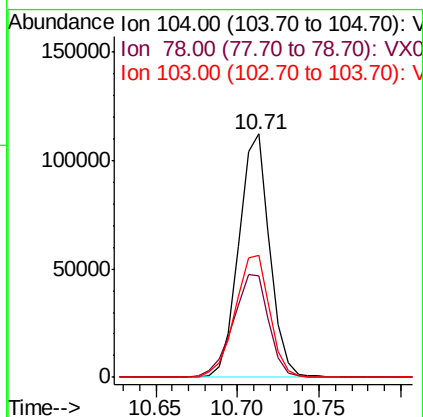
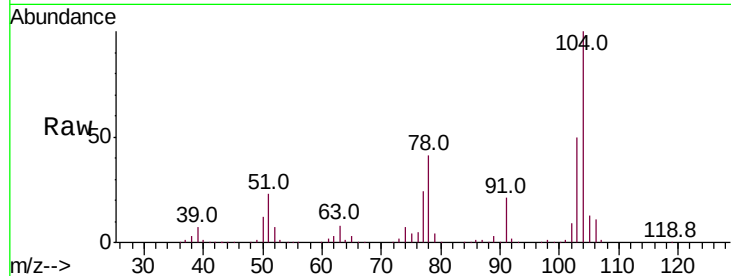
#69
Stvrene
Concen: 20.567 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.8	38.5	57.7
103	56.3	44.6	67.0

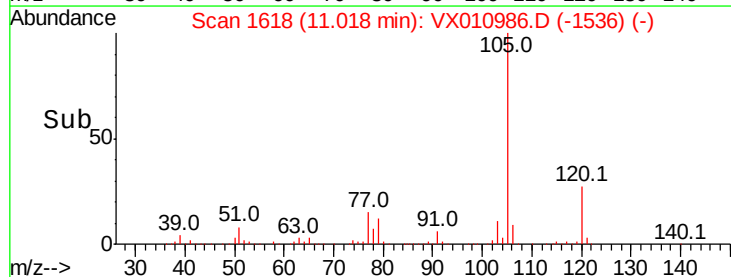
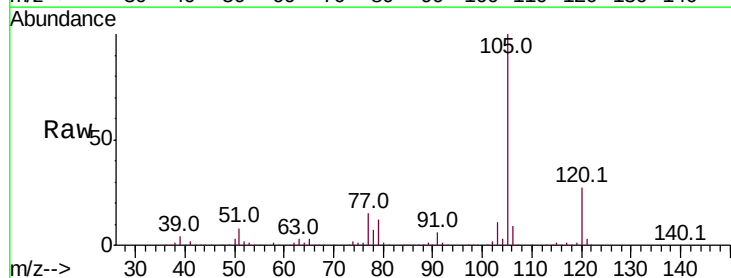
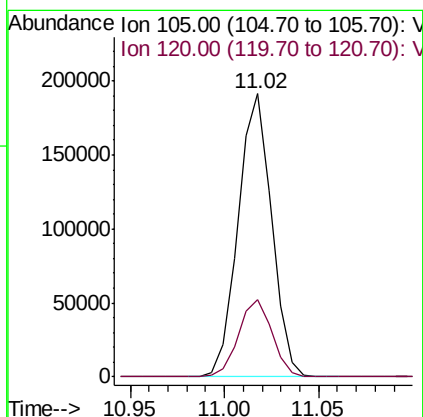
Manual Integrations
APPROVED

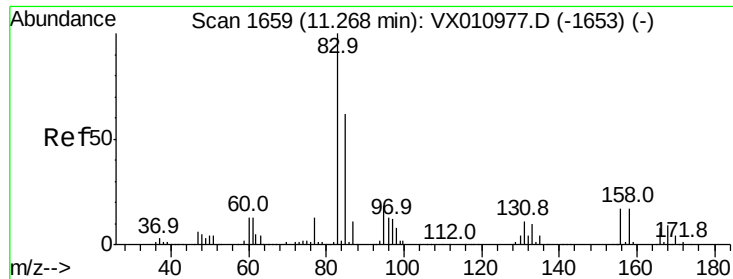
MMDadoda
7/19/2019 3:13:14 PM



#70
Isopropylbenzene
Concen: 20.709 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	19.4	36.0





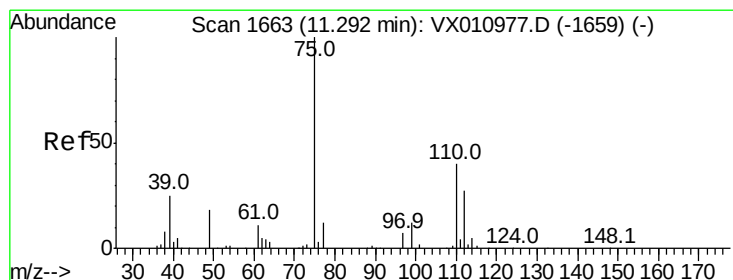
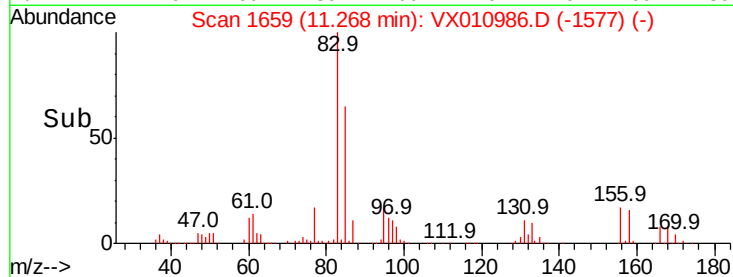
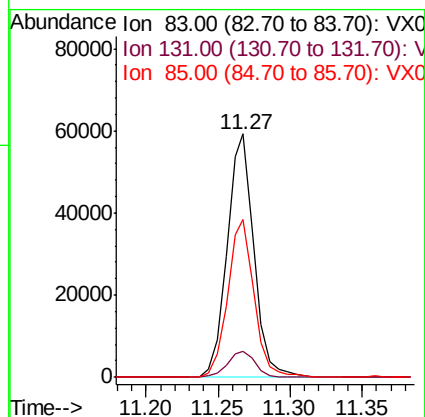
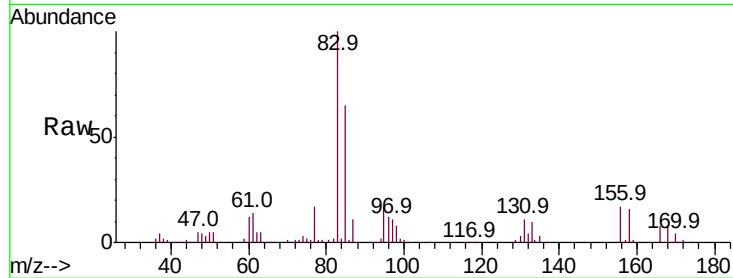
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.057 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX010986.D
 Acq: 19 Jul 2019 02:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.5	16.4
85	64.0	32.1	96.3

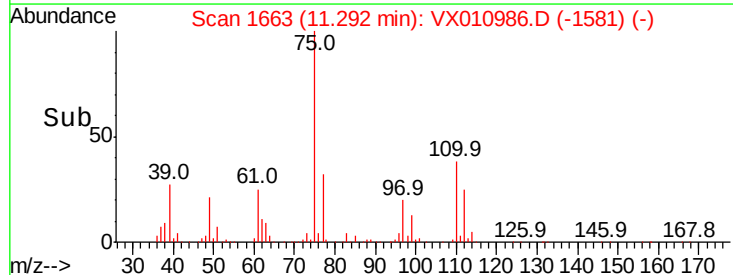
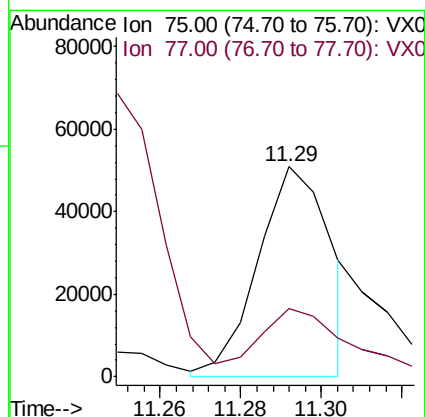
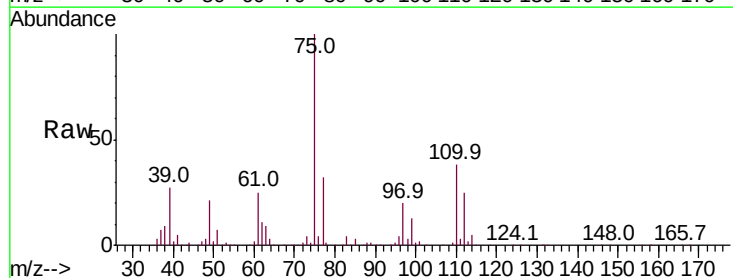
Manual Integrations
 APPROVED

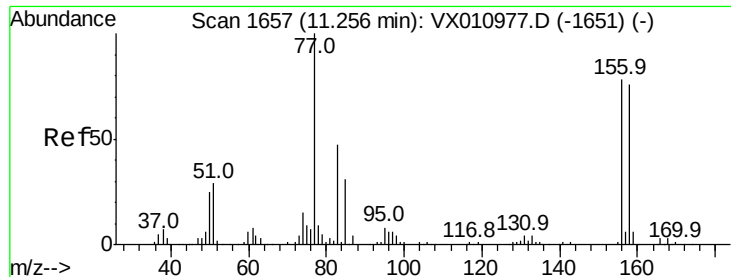
MMDadoda
 7/19/2019 3:13:14 PM



#72
 1,2,3-Trichloropropane
 Concen: 20.796 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX010986.D
 Acq: 19 Jul 2019 02:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	40.8	0.0	84.0





#73

Bromobenzene

Concen: 20.688 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion:156 Resp: 63759

Ion Ratio Lower Upper

156 100

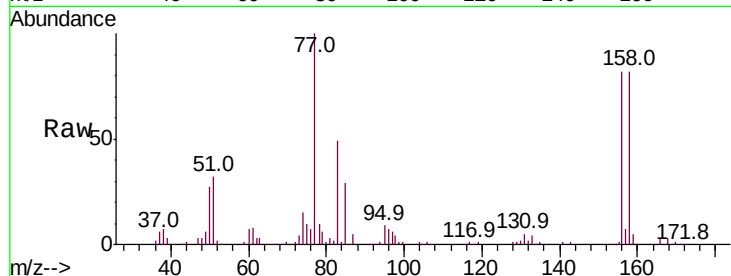
77 135.0 0.0 275.8

158 97.8 0.0 195.2

Manual Integrations
APPROVED

MMDadoda

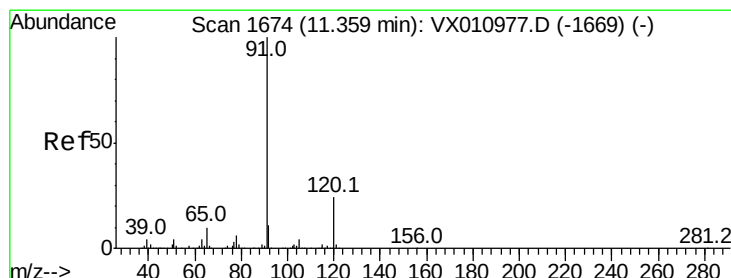
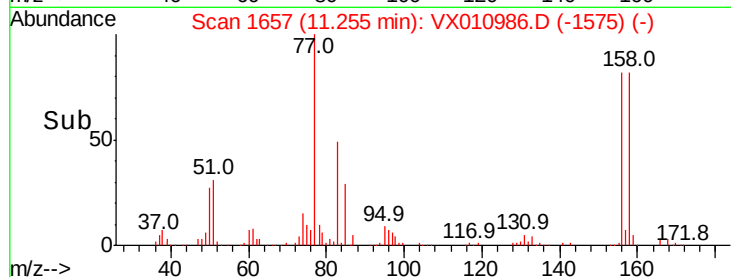
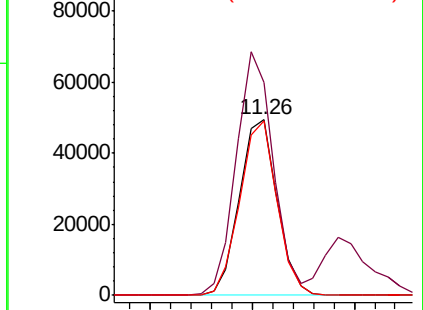
7/19/2019 3:13:14 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.684 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010986.D

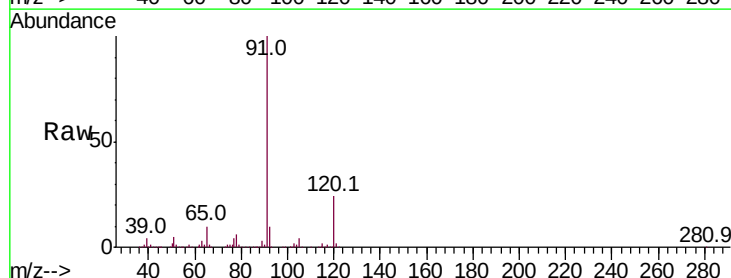
Acq: 19 Jul 2019 02:38

Tgt Ion: 91 Resp: 265909

Ion Ratio Lower Upper

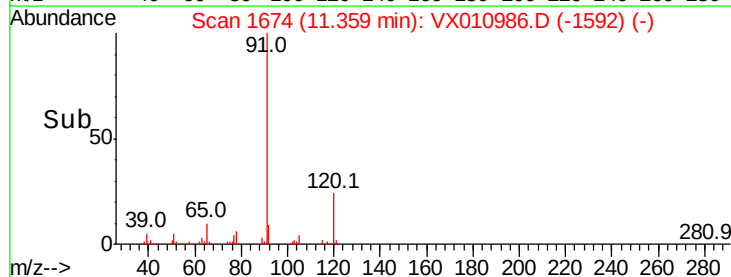
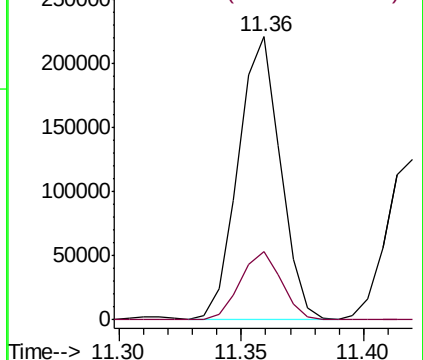
91 100

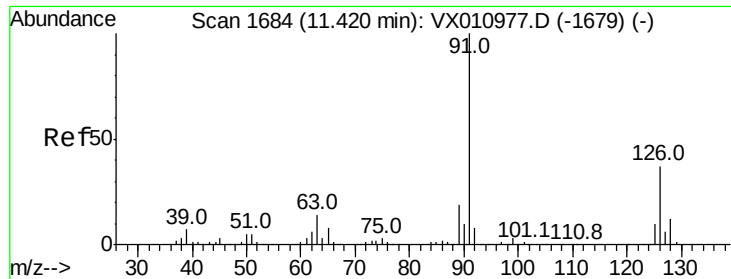
120 23.6 0.0 47.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.564 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

ClientSampled :

VX0719WBSD01

Tot Ion: 91 Resp: 157456

Ion Ratio Lower Upper

91 100

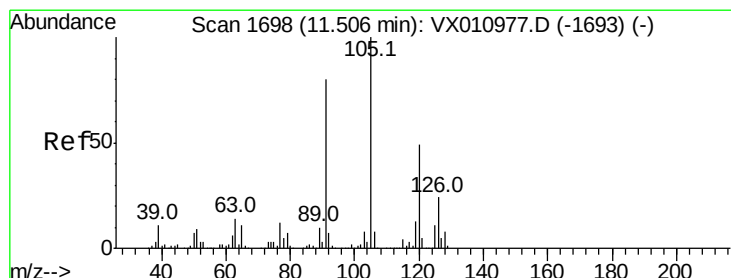
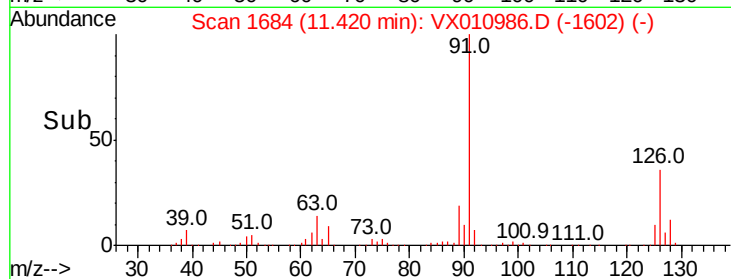
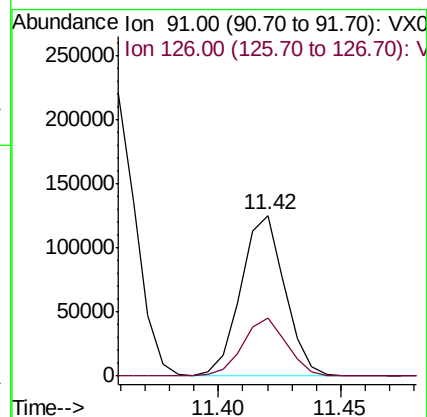
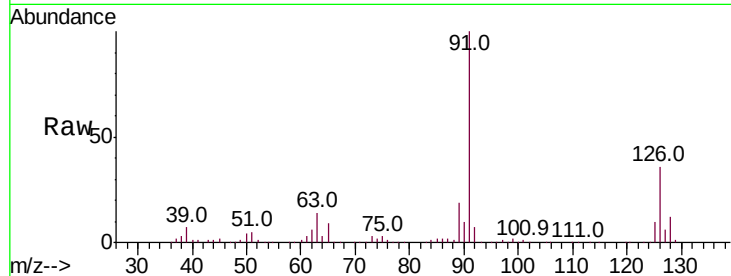
126 36.3 0.0 72.4

Manual Integrations

APPROVED

MMDadoda

7/19/2019 3:13:14 PM



#76

1,3,5-Trimethylbenzene

Concen: 20.545 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010986.D

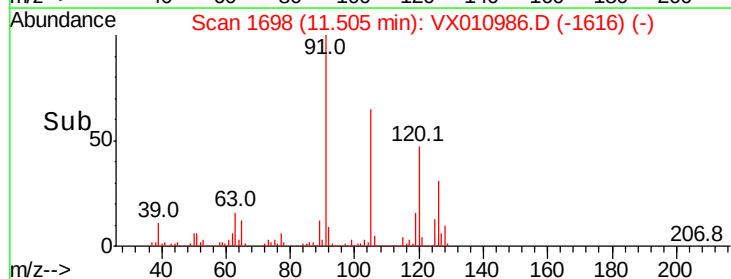
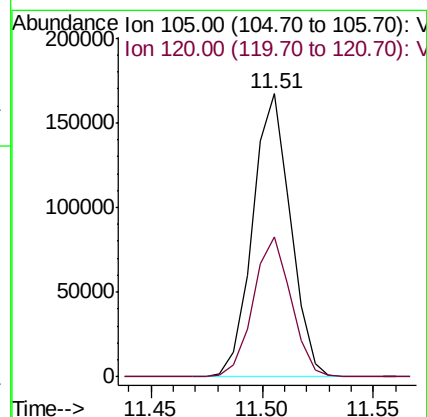
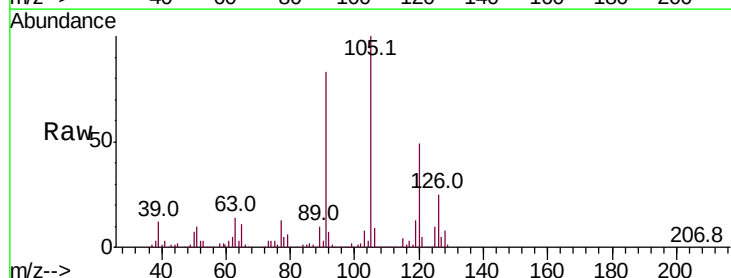
Acq: 19 Jul 2019 02:38

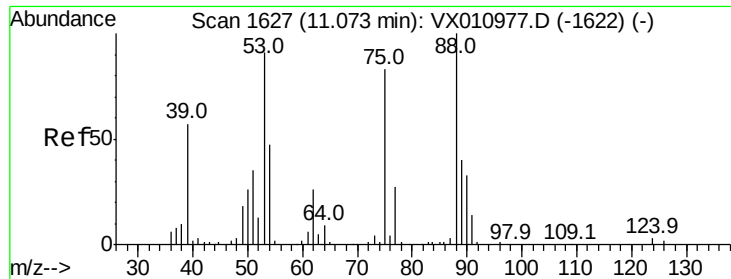
Tgt Ion: 105 Resp: 198649

Ion Ratio Lower Upper

105 100

120 49.4 0.0 96.6





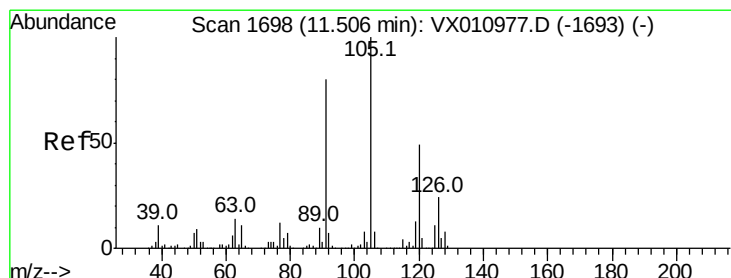
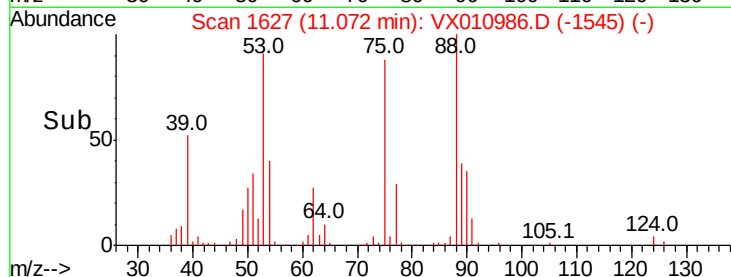
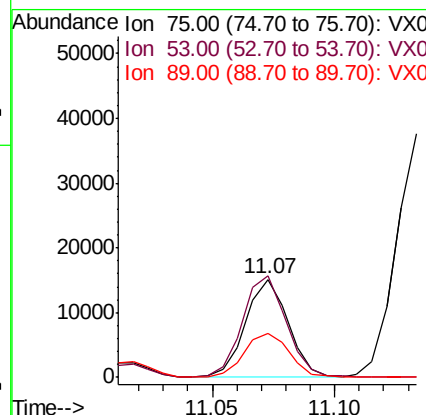
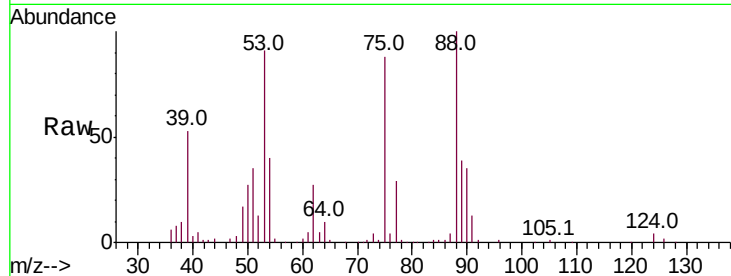
#77
t-1,4-Dichloro-2-butene
Concen: 18.262 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.9	54.8	164.3
89	44.6	24.6	73.6

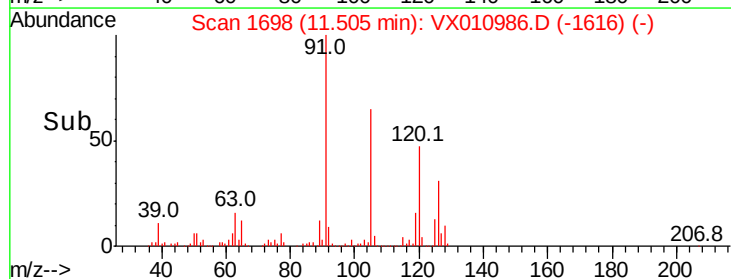
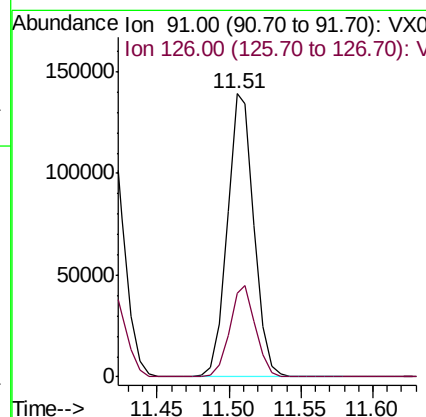
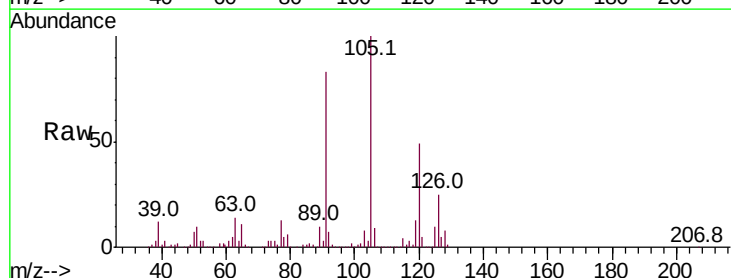
Manual Integrations
APPROVED

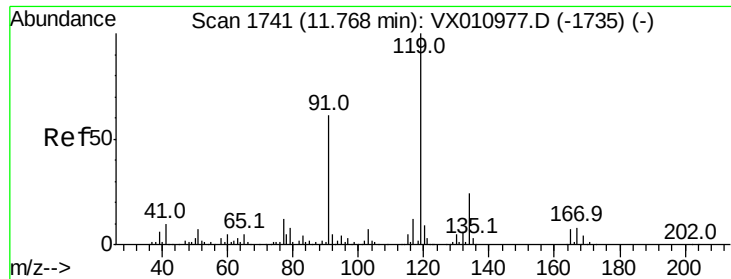
MMDadoda
7/19/2019 3:13:14 PM



#78
4-Chlorotoluene
Concen: 20.467 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	63.6





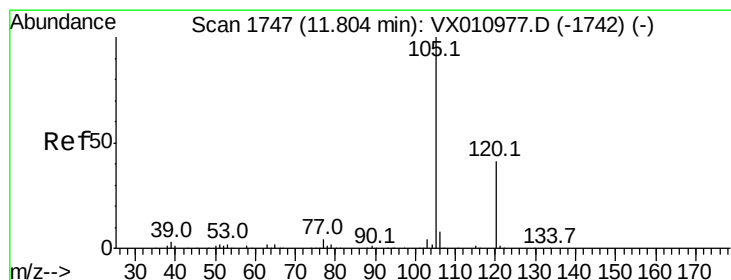
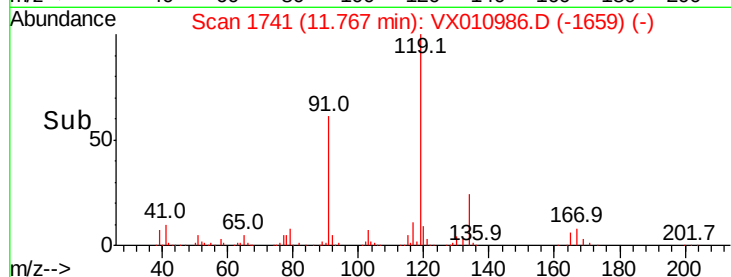
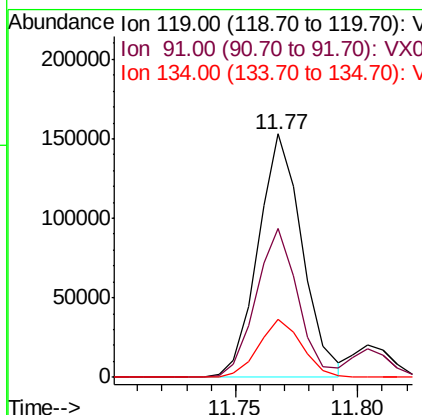
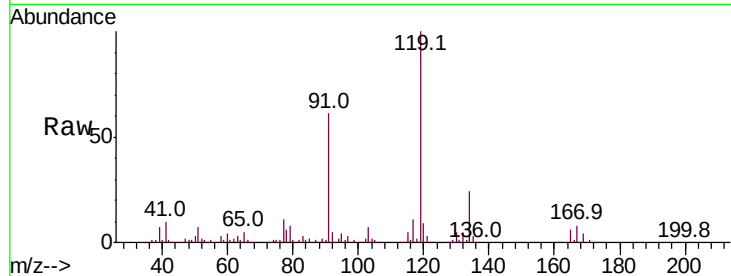
#79
tert-butylbenzene
Concen: 20.596 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	193152		
91	58.7	0.0	118.4	
134	23.5	0.0	47.4	

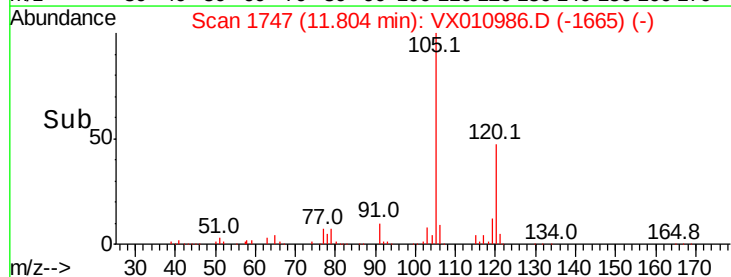
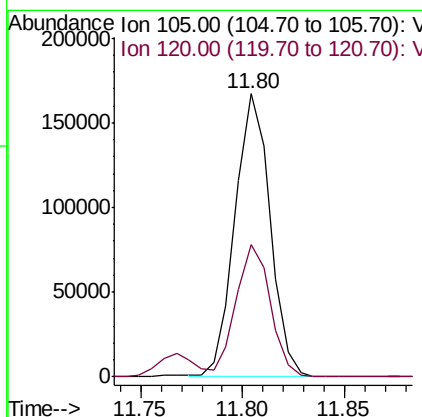
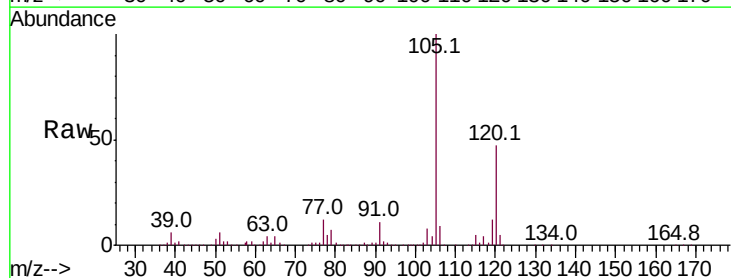
Manual Integrations
APPROVED

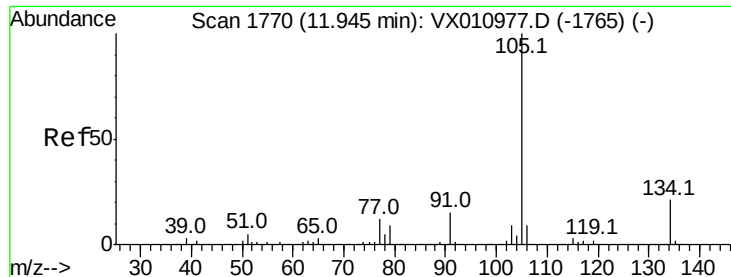
MMDadoda
7/19/2019 3:13:14 PM



#80
1,2,4-Trimethylbenzene
Concen: 20.569 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	200275		
120	45.4	0.0	91.6	





#81

sec-Butylbenzene

Concen: 20.919 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion:105 Resp: 231257

Ion Ratio Lower Upper

105 100

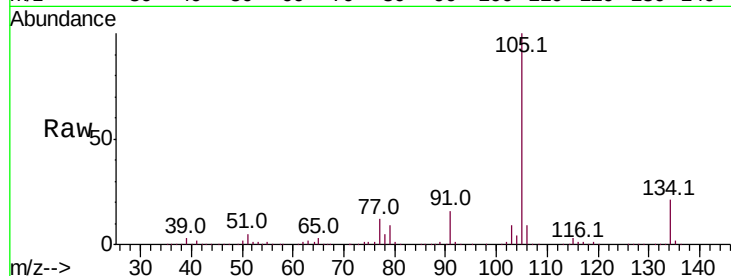
134 20.6 0.0 41.8

Manual Integrations

APPROVED

MMDadoda

7/19/2019 3:13:14 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

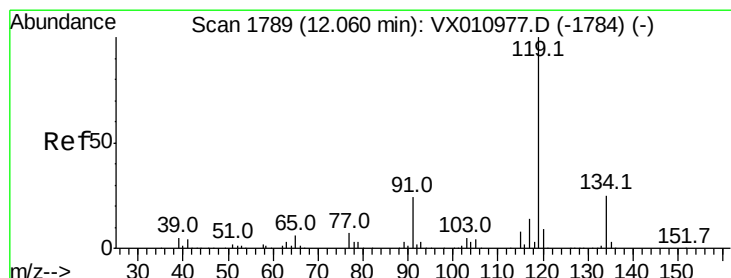
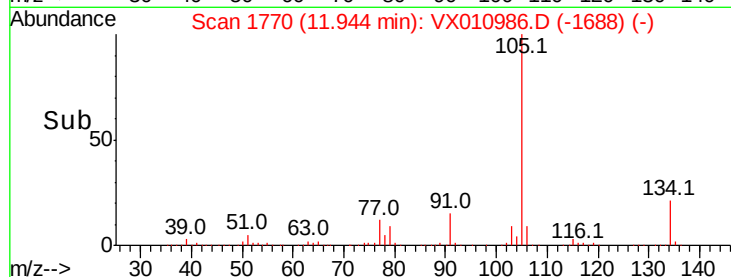
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 20.670 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

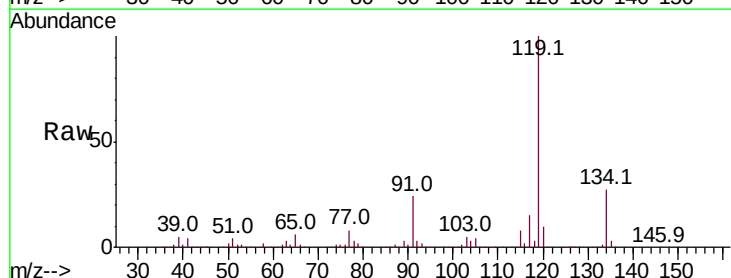
Tgt Ion:119 Resp: 212036

Ion Ratio Lower Upper

119 100

134 26.8 0.0 52.8

91 23.6 0.0 47.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

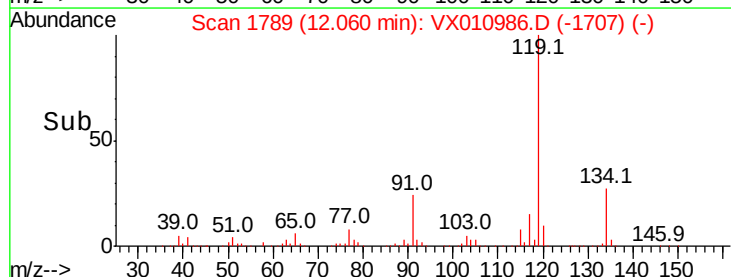
150000

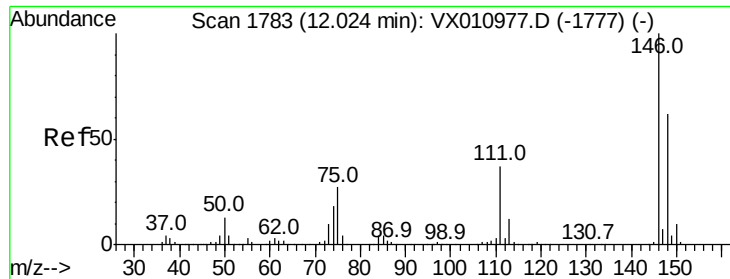
100000

50000

0

Time-->





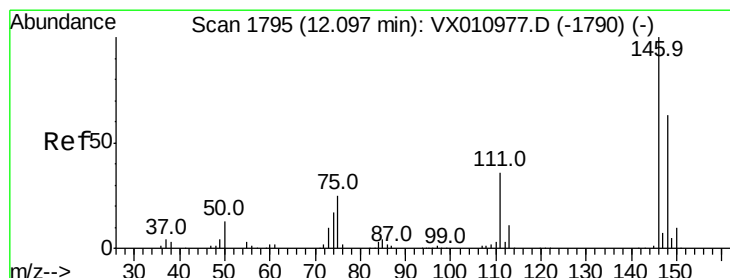
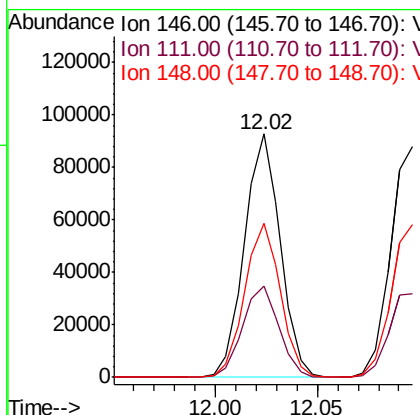
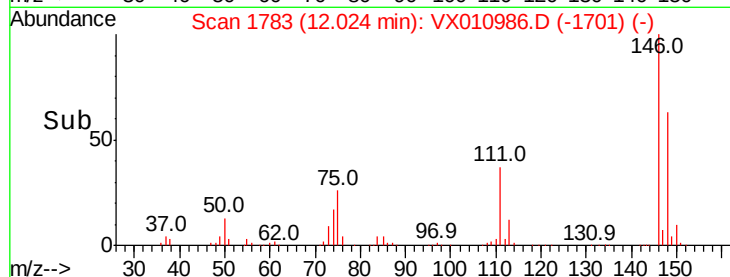
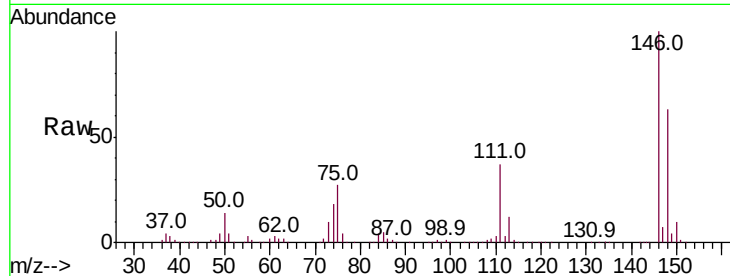
#83
 1,3-Dichlorobenzene
 Concen: 20.764 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010986.D
 Acq: 19 Jul 2019 02:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.9
148	63.3	31.4	94.0

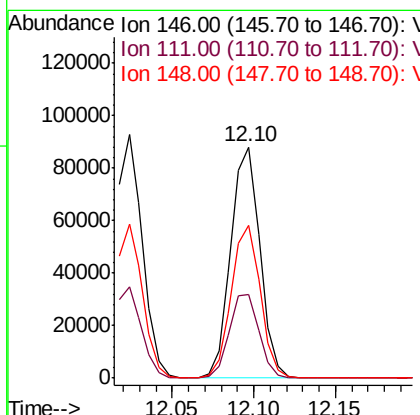
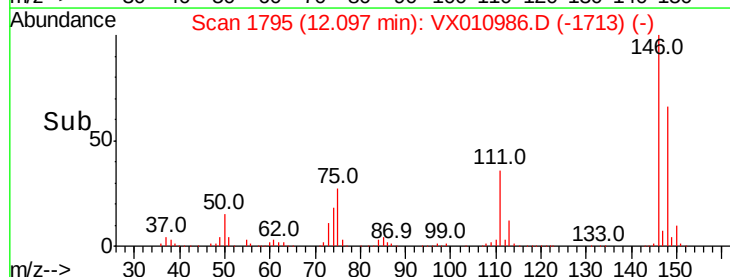
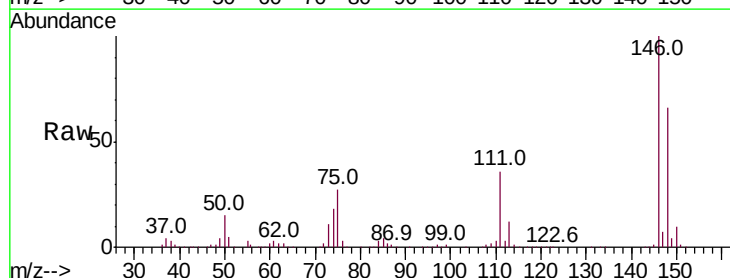
Manual Integrations
 APPROVED

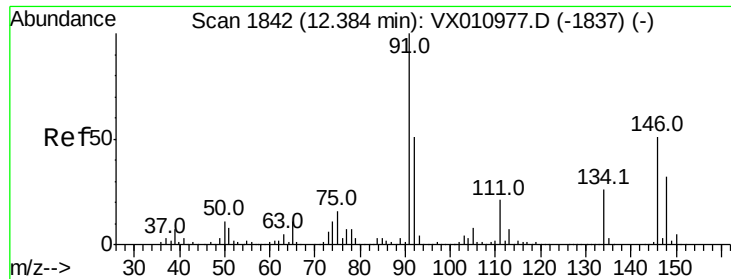
MMDadoda
 7/19/2019 3:13:14 PM



#84
 1,4-Dichlorobenzene
 Concen: 20.283 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010986.D
 Acq: 19 Jul 2019 02:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.5	55.5
148	65.9	32.0	96.0





#85

n-Butylbenzene

Concen: 20.320 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Instrument :

MSVOA_X

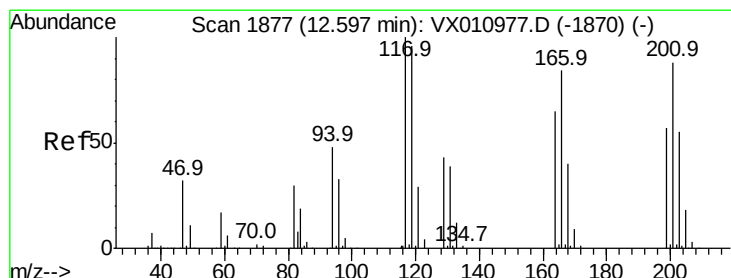
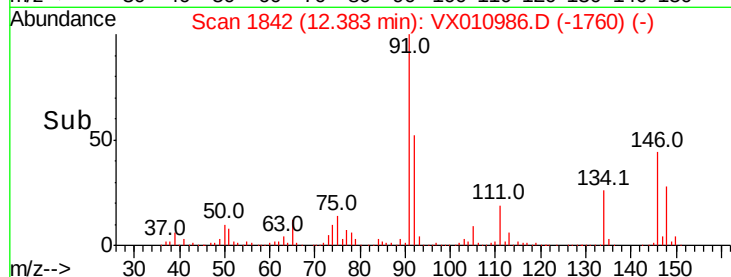
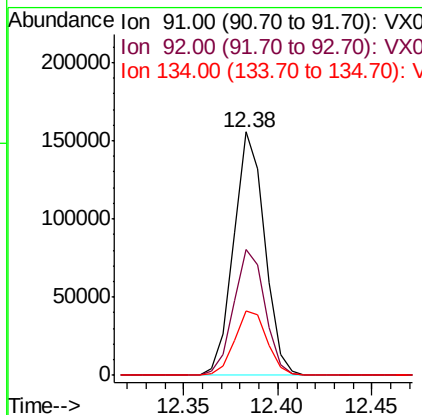
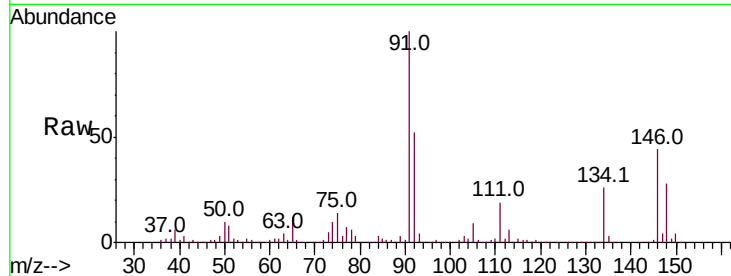
ClientSampleId :

VX0719WBSD01

Tot Ion:	91	Resp:	177499
Ion	Ratio	Lower	Upper
91	100		
92	52.3	0.0	103.6
134	27.8	0.0	54.2

Manual Integrations
APPROVED

MMDadoda
7/19/2019 3:13:14 PM



#86

Hexachloroethane

Concen: 19.054 ug/l

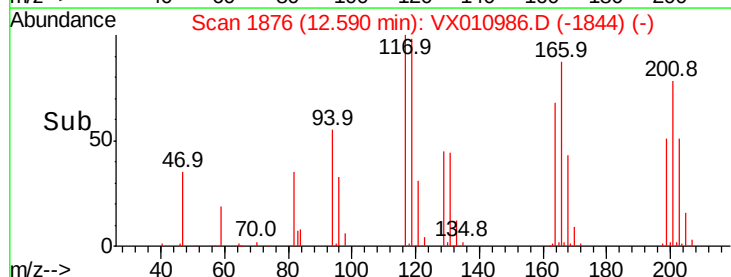
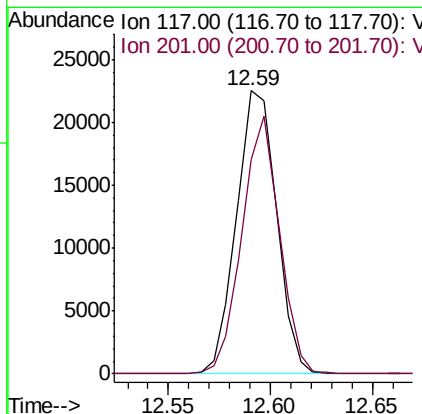
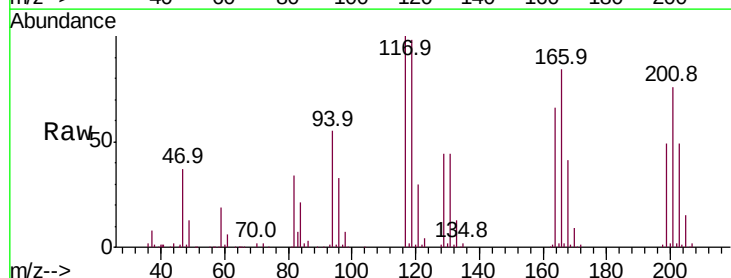
RT: 12.59 min Scan# 1876

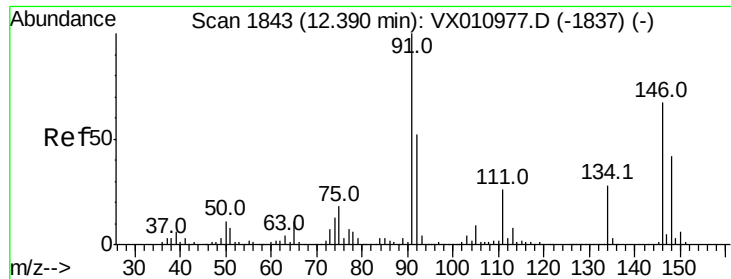
Delta R.T. -0.01 min

Lab File: VX010986.D

Acq: 19 Jul 2019 02:38

Tgt Ion:	117	Resp:	30828
Ion	Ratio	Lower	Upper
117	100		
201	85.1	42.1	126.3





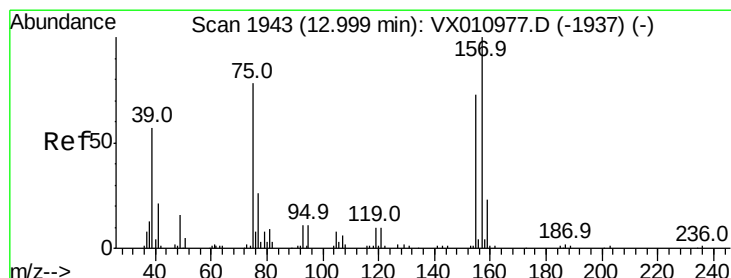
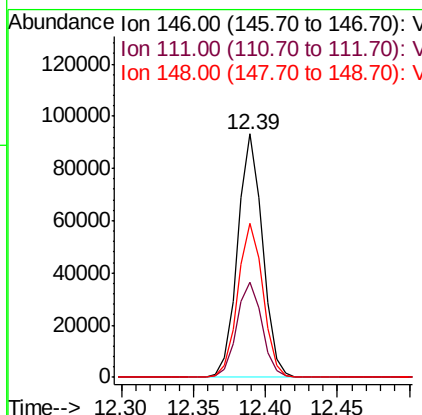
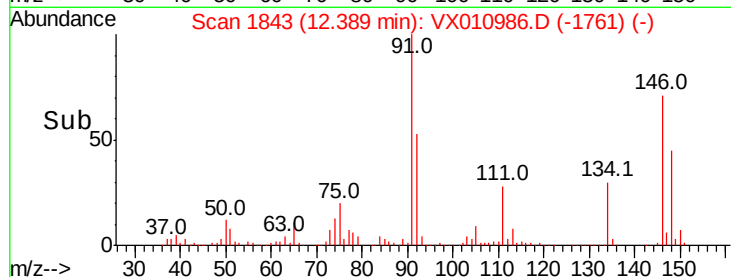
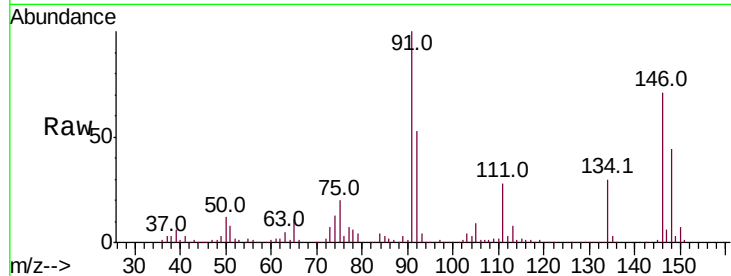
#87
 1,2-Dichlorobenzene
 Concen: 21.098 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010986.D
 Acq: 19 Jul 2019 02:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	112386		
111	39.7	19.5	58.5	
148	63.6	31.5	94.5	

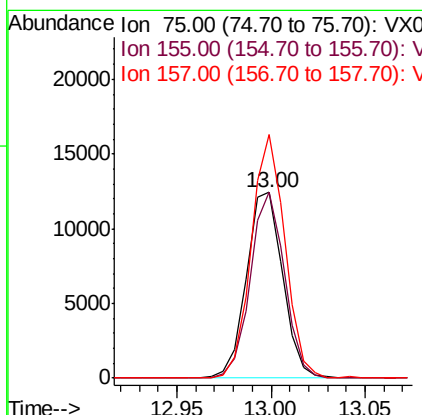
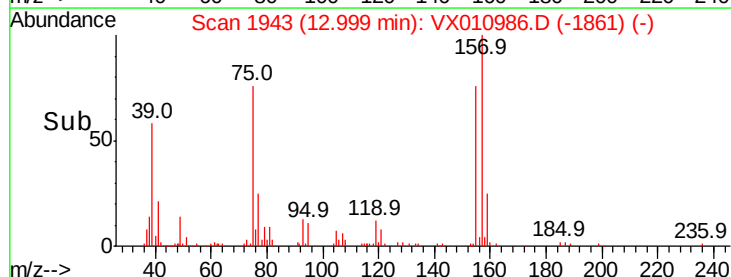
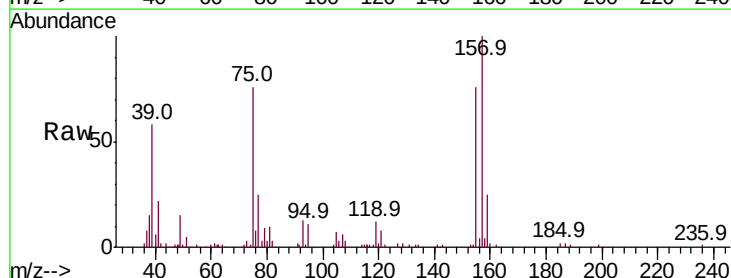
Manual Integrations
 APPROVED

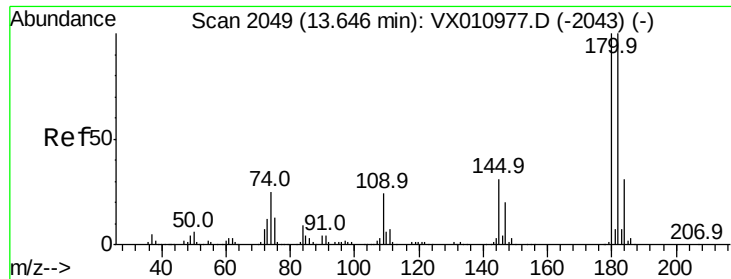
MMDadoda
 7/19/2019 3:13:14 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.447 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010986.D
 Acq: 19 Jul 2019 02:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16580		
155	94.2	76.6	115.0	
157	120.9	101.0	151.4	





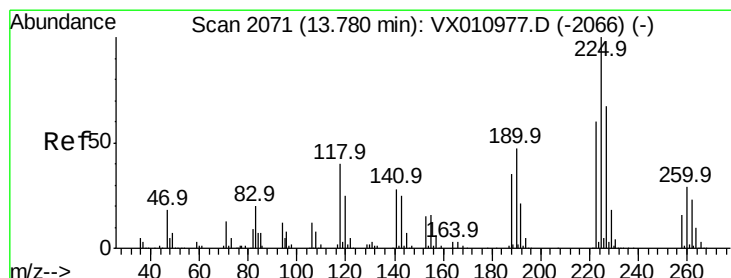
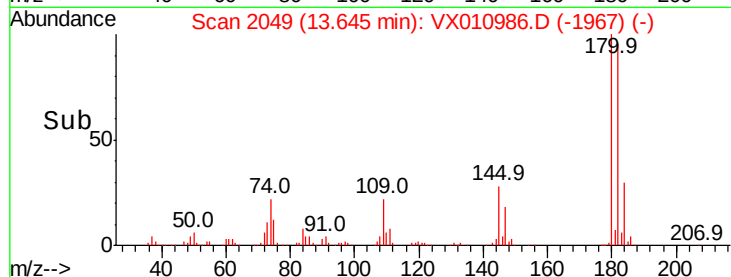
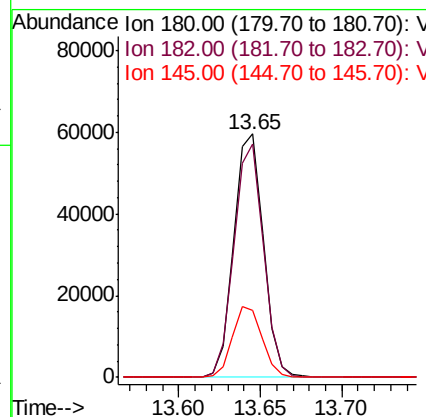
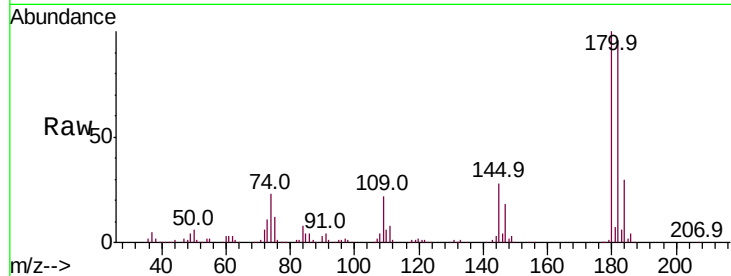
#89
1,2,4-Trichlorobenzene
Concen: 20.448 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.6	116.4
145	29.4	23.8	35.6

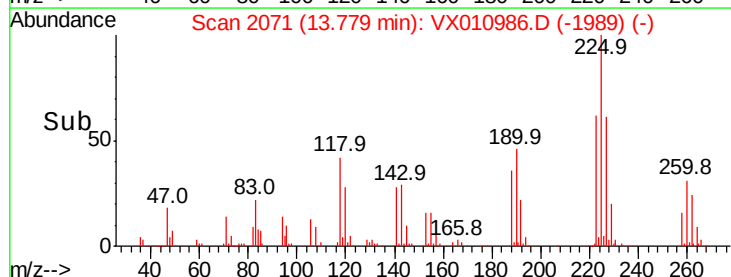
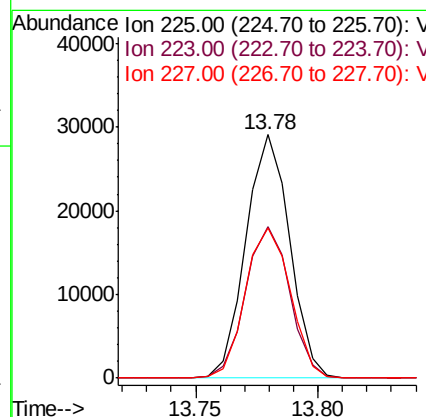
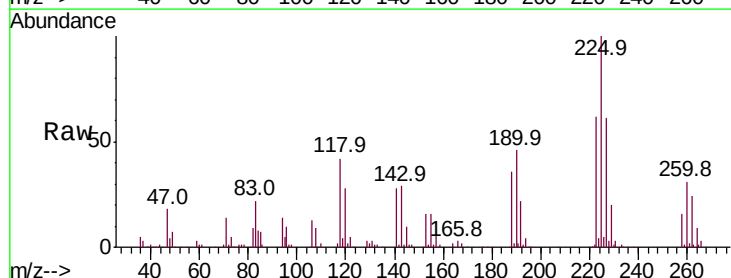
Manual Integrations
APPROVED

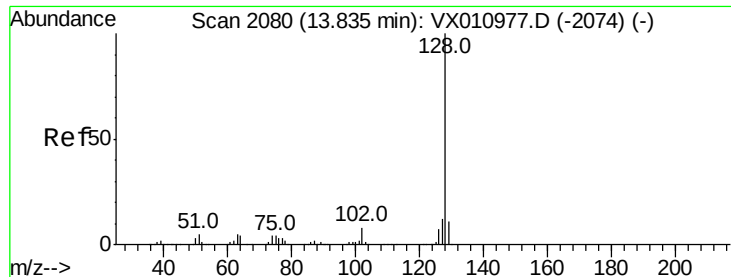
MMDadoda
7/19/2019 3:13:14 PM



#90
Hexachlorobutadiene
Concen: 20.413 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	0.0	121.4
227	63.3	0.0	126.6





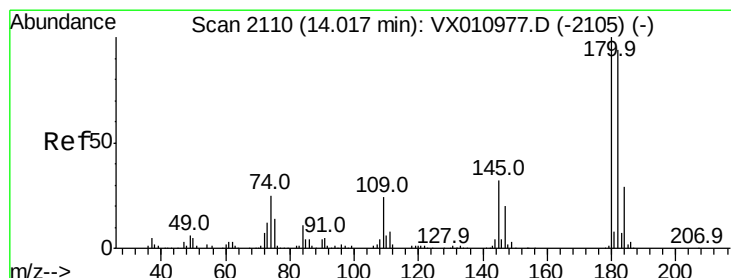
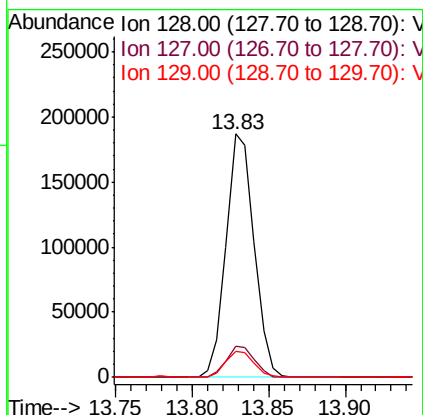
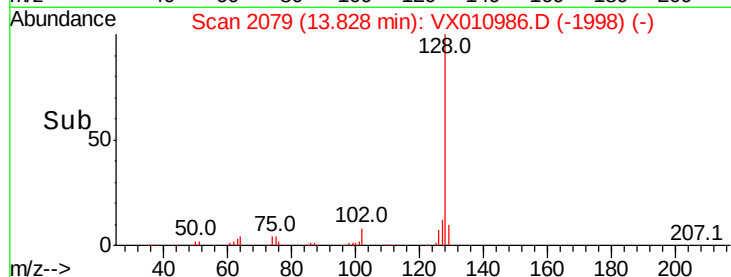
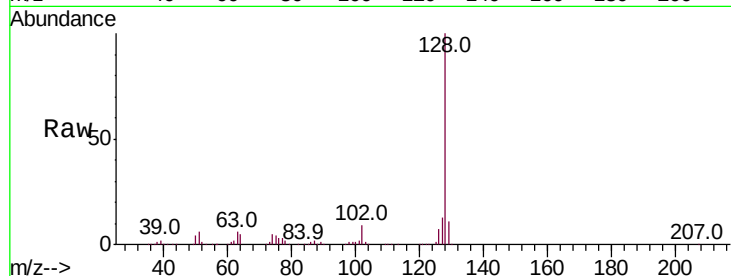
#91
Naphthalene
Concen: 21.148 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
7/19/2019 3:13:14 PM



#92
1,2,3-Trichlorobenzene
Concen: 20.970 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX010986.D
Acq: 19 Jul 2019 02:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	0.0	190.2
145	31.6	0.0	63.8

