

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071719\
 Data File : VX010942.D
 Acq On : 17 Jul 2019 17:39
 Operator : JC/SP
 Sample : K3855-05MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190716MS

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 10:58:12 AM

Quant Time: Jul 18 03:56:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	201873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	307708	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	285267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151276	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	114546	53.34	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.68%		
35) Dibromofluoromethane	5.50	113	103394	52.94	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.88%		
50) Toluene-d8	8.71	98	392698	53.61	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.22%		
62) 4-Bromofluorobenzene	11.13	95	146903	54.56	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.12%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	112187	52.094	ug/l	97
3) Chloromethane	1.32	50	101186	54.506	ug/l	98
4) Vinyl Chloride	1.41	62	112764	59.552	ug/l	98
5) Bromomethane	1.64	94	50402	47.235	ug/l	99
6) Chloroethane	1.72	64	64350	53.477	ug/l	95
7) Trichlorofluoromethane	1.93	101	173612	54.164	ug/l	100
8) Diethyl Ether	2.19	74	58203	52.703	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	97196	53.108	ug/l	98
10) Methyl Iodide	2.51	142	108353	45.116	ug/l	99
11) Tert butyl alcohol	3.05	59	109906	219.741	ug/l	98
12) 1,1-Dichloroethene	2.37	96	94954	52.807	ug/l	99
13) Acrolein	2.29	56	61257	211.980	ug/l	100
14) Allyl chloride	2.73	41	138426	52.999	ug/l	99
15) Acrylonitrile	3.14	53	273545	270.657	ug/l	99
16) Acetone	2.45	43	215605	222.280	ug/l	100
17) Carbon Disulfide	2.57	76	245665	53.261	ug/l	98
18) Methyl Acetate	2.78	43	111893	50.661	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	305852	52.837	ug/l	98
20) Methylene Chloride	2.85	84	107326	52.212	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	101695	53.302	ug/l	96
22) Diisopropyl ether	3.85	45	294362	53.437	ug/l	98
23) Vinyl Acetate	3.81	43	1302075	278.973	ug/l	100
24) 1,1-Dichloroethane	3.70	63	170009	53.142	ug/l	99
25) 2-Butanone	4.67	43	367141	263.679	ug/l	98
26) 2,2-Dichloropropane	4.59	77	130138	49.543	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	122204	55.344	ug/l	97
28) Bromochloromethane	5.01	49	81945	54.357	ug/l	98
29) Tetrahydrofuran	5.13	42	240033	272.150	ug/l	99
30) Chloroform	5.21	83	181322	52.437	ug/l	100
31) Cyclohexane	5.58	56	153937	52.791	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	158149	52.864	ug/l	99
36) 1,1-Dichloropropene	5.80	75	133539	52.834	ug/l	99
37) Ethyl Acetate	4.84	43	140235	54.184	ug/l	99
38) Carbon Tetrachloride	5.78	117	138699	52.661	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071719\
 Data File : VX010942.D
 Acq On : 17 Jul 2019 17:39
 Operator : JC/SP
 Sample : K3855-05MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190716MS

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 10:58:12 AM

Quant Time: Jul 18 03:56:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	168945	51.543	ug/l	98
40) Benzene	6.14	78	404339	52.224	ug/l	100
41) Methacrylonitrile	5.04	41	76231	51.885	ug/l	98
42) 1,2-Dichloroethane	6.19	62	140064	52.030	ug/l	99
43) Isopropyl Acetate	6.45	43	224308	52.708	ug/l	99
44) Trichloroethene	7.21	130	116975	51.041	ug/l	94
45) 1,2-Dichloropropane	7.51	63	102715	52.124	ug/l	99
46) Dibromomethane	7.66	93	75346	53.509	ug/l	99
47) Bromodichloromethane	7.90	83	135717	54.145	ug/l	97
48) Methyl methacrylate	7.77	41	110807	53.449	ug/l	98
49) 1,4-Dioxane	7.74	88	53311	919.301	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	746763	270.695	ug/l	100
52) Toluene	8.78	92	263504	51.808	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	144937	53.776	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	159034	53.029	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	110216	52.629	ug/l	97
56) Ethyl methacrylate	9.18	69	169197	55.233	ug/l	100
57) 1,3-Dichloropropane	9.37	76	173675	52.277	ug/l	99
59) 2-Hexanone	9.49	43	587673	274.654	ug/l	99
60) Dibromochloromethane	9.58	129	119184	49.478	ug/l	100
61) 1,2-Dibromoethane	9.67	107	120510	54.222	ug/l	99
64) Tetrachloroethene	9.34	164	108133	48.185	ug/l	98
65) Chlorobenzene	10.14	112	299369	51.094	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	109295	53.076	ug/l	98
67) Ethyl Benzene	10.25	91	518691	52.010	ug/l	99
68) m/p-Xylenes	10.36	106	397751	103.972	ug/l	100
69) o-Xylene	10.69	106	194486	52.091	ug/l	100
70) Styrene	10.71	104	335212	53.859	ug/l	100
71) Bromoform	10.85	173	89797	48.000	ug/l	99
73) Isopropylbenzene	11.02	105	525635	51.423	ug/l	99
74) N-amyl acetate	10.90	43	208344	53.345	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	175360	52.423	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	146488m	53.661	ug/l	
77) Bromobenzene	11.26	156	143141	50.768	ug/l	100
78) n-propylbenzene	11.36	91	586282	51.910	ug/l	99
79) 2-Chlorotoluene	11.42	91	348231	51.326	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	439372	51.441	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	50203	46.864	ug/l	97
82) 4-Chlorotoluene	11.51	91	406018	51.417	ug/l	100
83) tert-Butylbenzene	11.77	119	438292	52.242	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	445936	51.800	ug/l	99
85) sec-Butylbenzene	11.94	105	515192	52.408	ug/l	99
86) p-Isopropyltoluene	12.06	119	475851	52.359	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	252474	51.599	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	250698	49.957	ug/l	98
89) n-Butylbenzene	12.38	91	409522	52.670	ug/l	100
90) Hexachloroethane	12.60	117	73460	51.247	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	247554	51.049	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37490	53.616	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	169002	51.424	ug/l	100

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071719\
Data File : VX010942.D
Acq On : 17 Jul 2019 17:39
Operator : JC/SP
Sample : K3855-05MS
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190716MS

Manual Integrations
APPROVED

MMDadoda
7/22/2019 10:58:12 AM

Quant Time: Jul 18 03:56:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 17 06:57:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	81760	50.203	ug/l	100
95) Naphthalene	13.83	128	514728	53.039	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	170626	52.180	ug/l	99

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

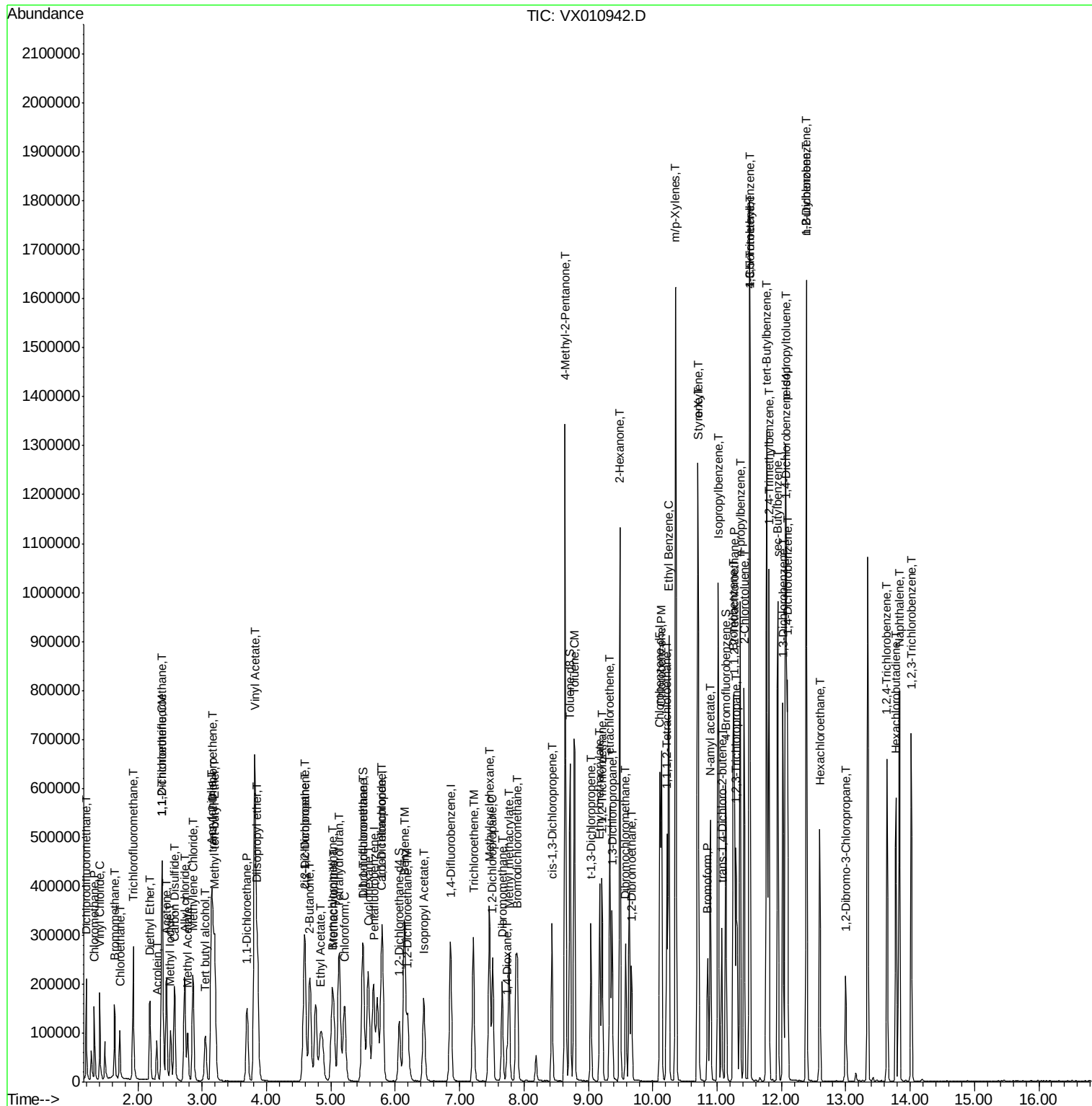
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071719\
 Data File : VX010942.D
 Acq On : 17 Jul 2019 17:39
 Operator : JC/SP
 Sample : K3855-05MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

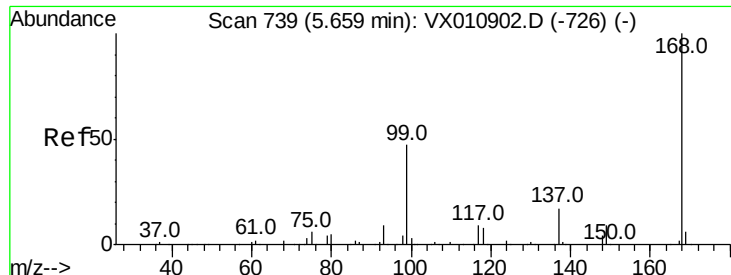
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190716MS

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 10:58:12 AM

Quant Time: Jul 18 03:56:04 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190716MS

Tot Ion:168 Resp: 201873

Ion Ratio Lower Upper

168 100

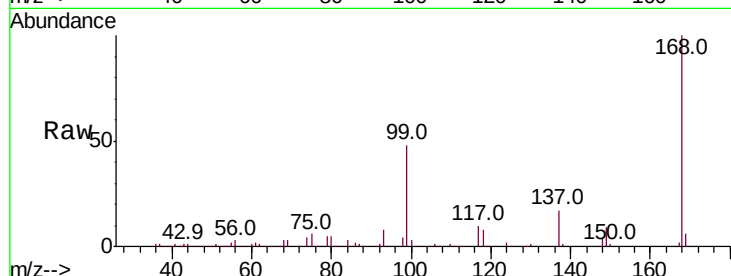
99 47.8 37.6 56.4

Manual Integrations

APPROVED

MMDadoda

7/22/2019 10:58:12 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

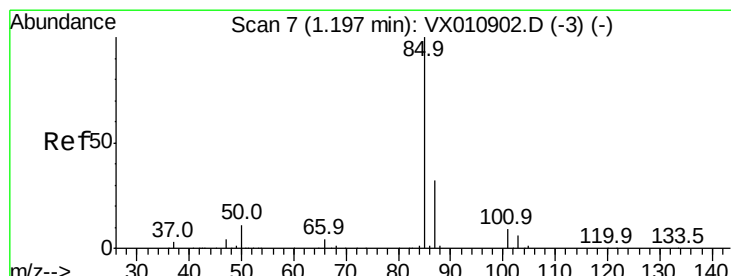
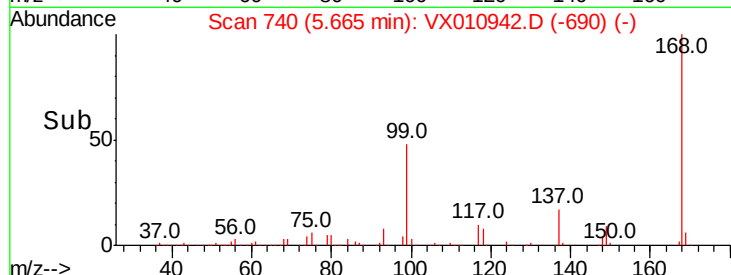
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 52.094 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010942.D

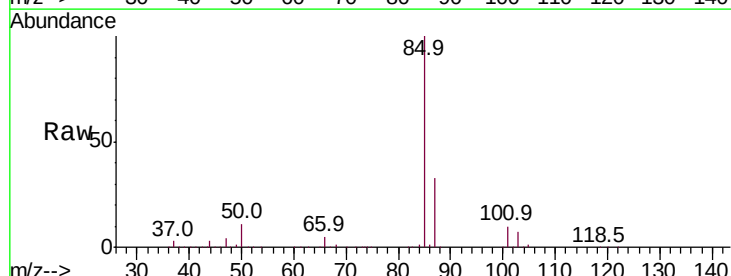
Acq: 17 Jul 2019 17:39

Tgt Ion: 85 Resp: 112187

Ion Ratio Lower Upper

85 100

87 33.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

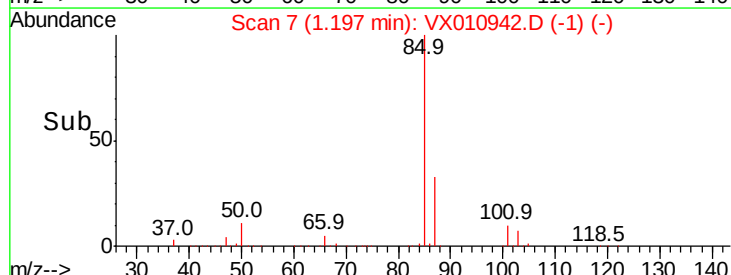
100000

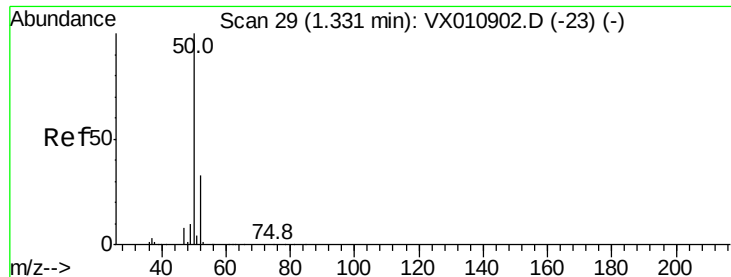
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 54.506 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190716MS

Tot Ion: 50 Resp: 101186

Ion Ratio Lower Upper

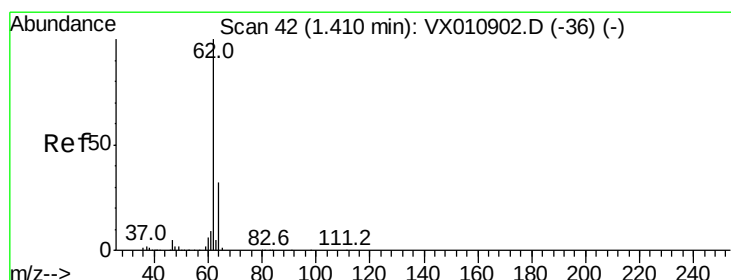
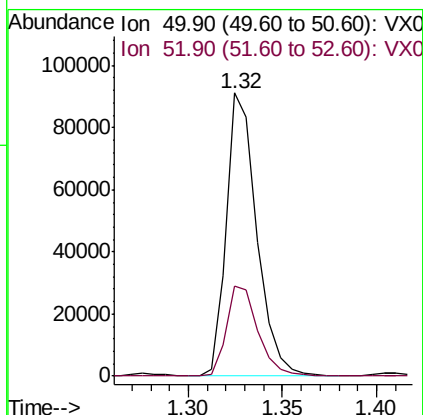
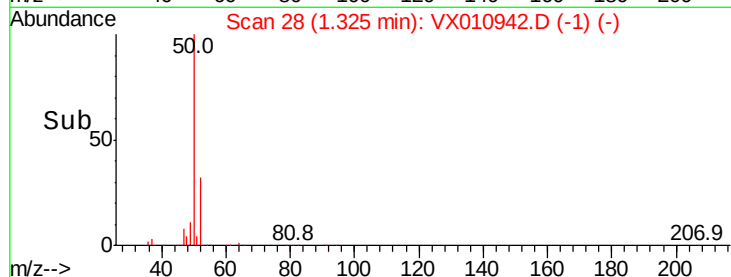
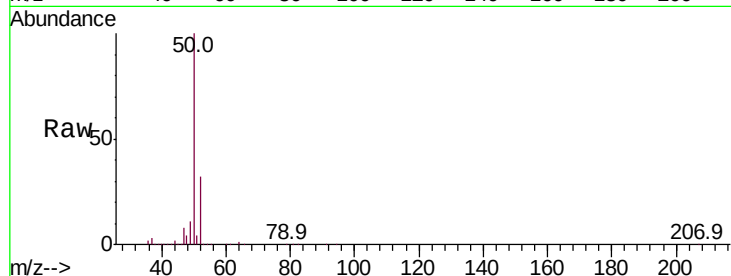
50 100

52 32.1 26.4 39.6

Manual Integrations
APPROVED

MMDadoda

7/22/2019 10:58:12 AM



#4

Vinyl Chloride

Concen: 59.552 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010942.D

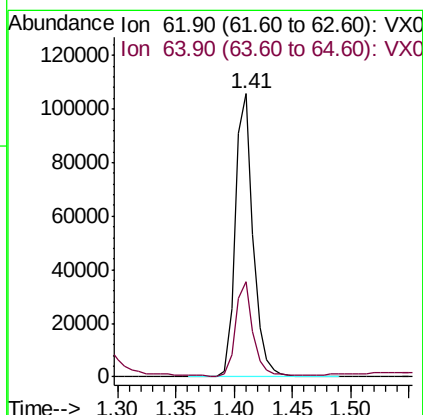
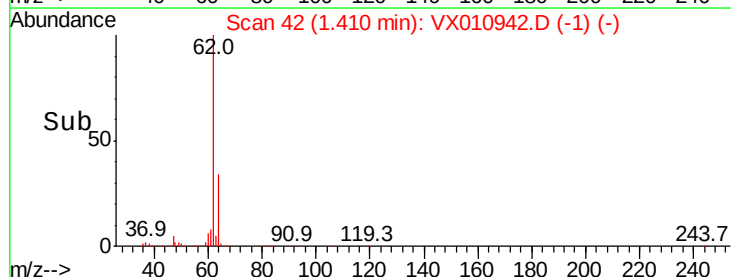
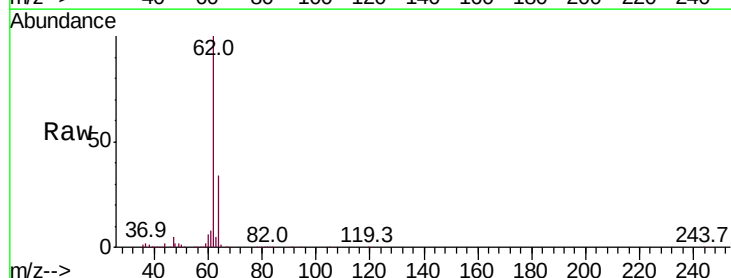
Acq: 17 Jul 2019 17:39

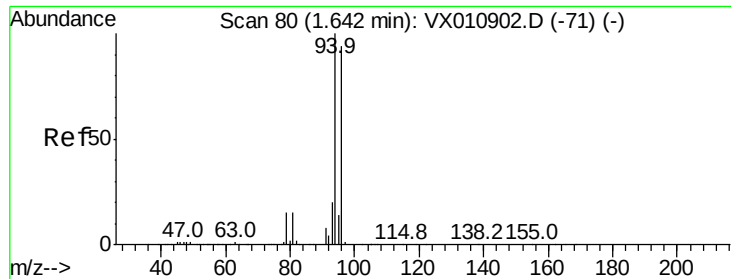
Tgt Ion: 62 Resp: 112764

Ion Ratio Lower Upper

62 100

64 33.1 25.7 38.5





#5

Bromomethane

Concen: 47.235 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190716MS

Tot Ion: 94 Resp: 50402

Ion Ratio Lower Upper

94 100

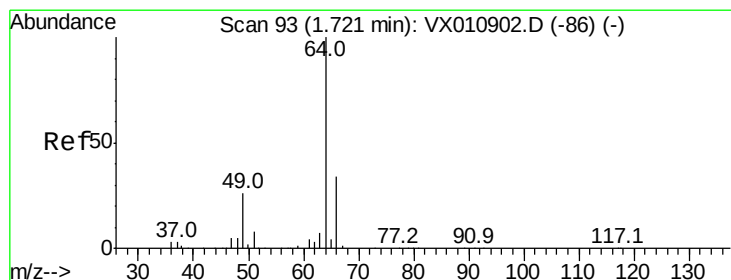
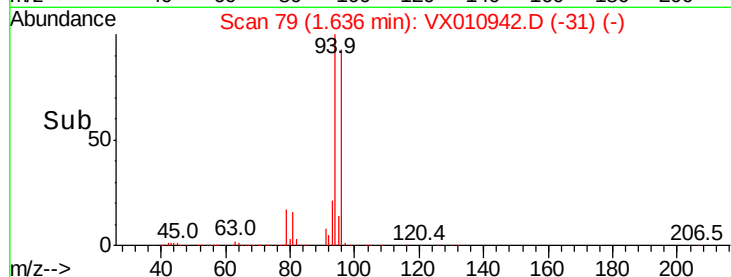
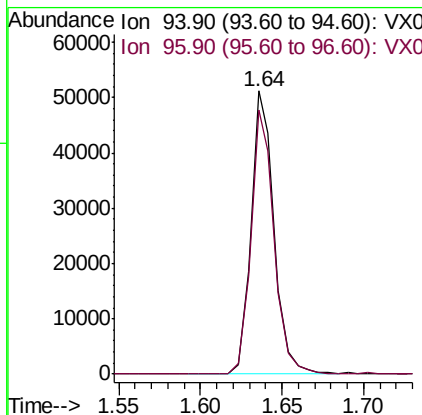
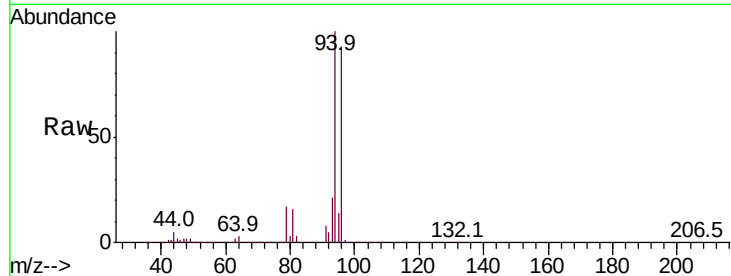
96 93.5 75.6 113.4

Manual Integrations

APPROVED

MMDadoda

7/22/2019 10:58:12 AM



#6

Chloroethane

Concen: 53.477 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX010942.D

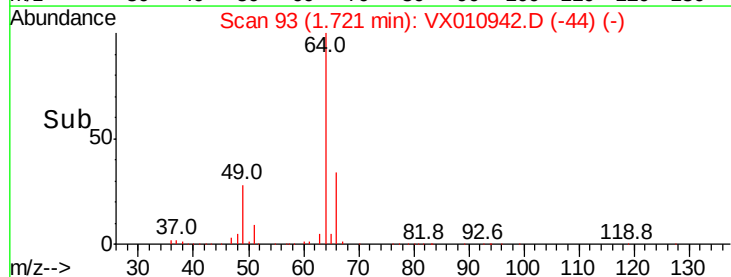
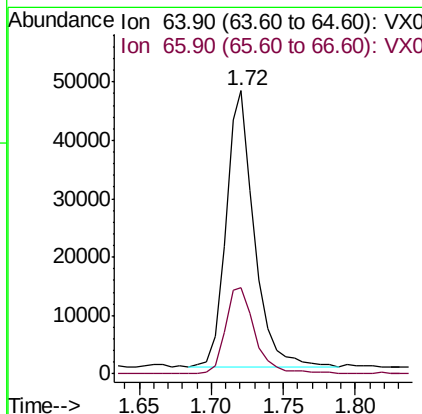
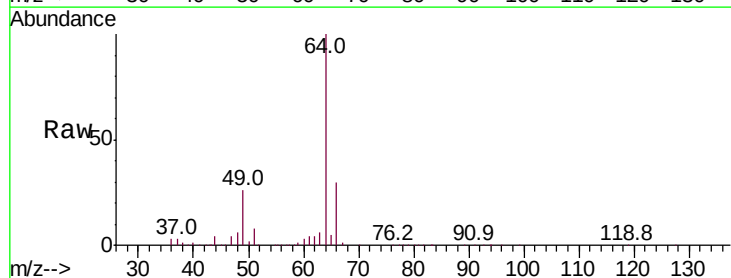
Acq: 17 Jul 2019 17:39

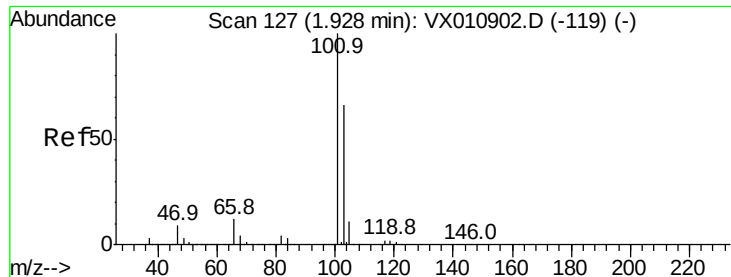
Tgt Ion: 64 Resp: 64350

Ion Ratio Lower Upper

64 100

66 31.0 27.0 40.6





#7

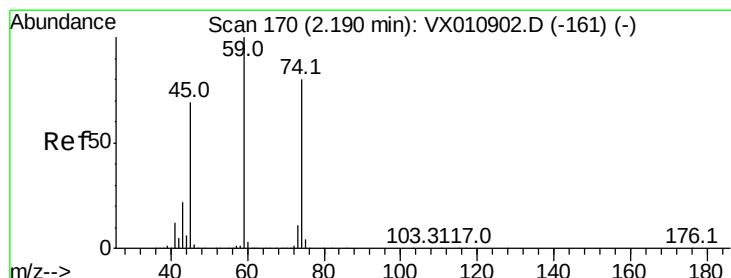
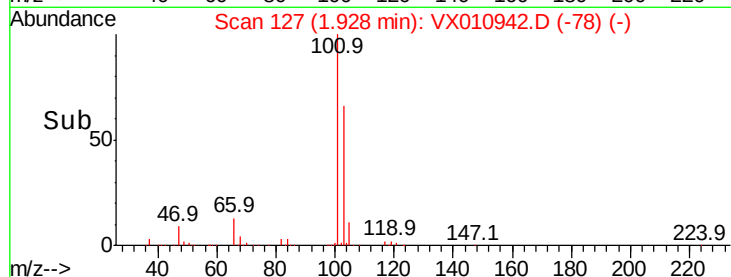
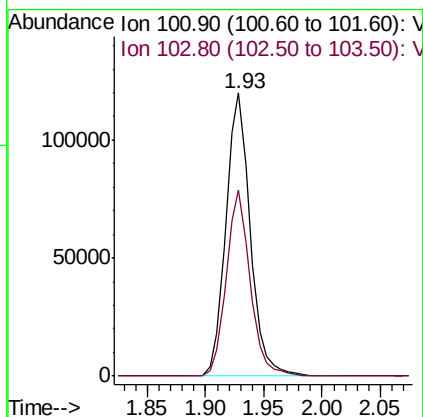
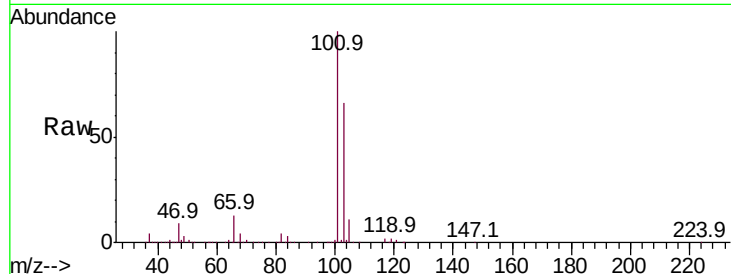
Trichlorofluoromethane
Concen: 54.164 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190716MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.6	78.8

Manual Integrations
APPROVED

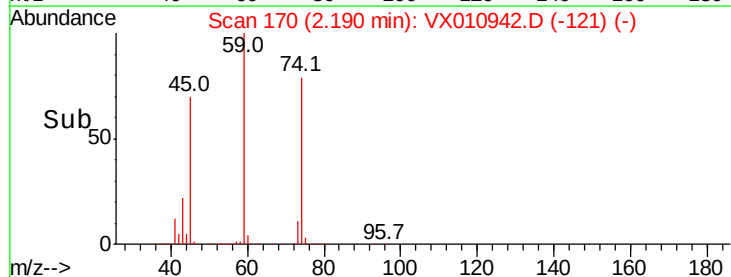
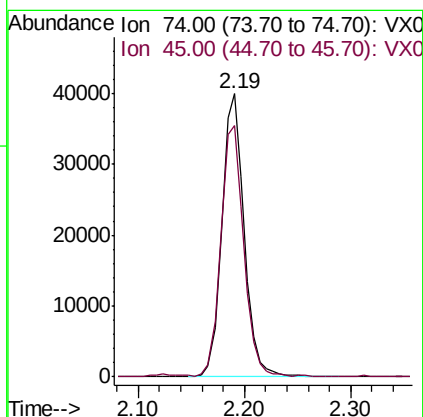
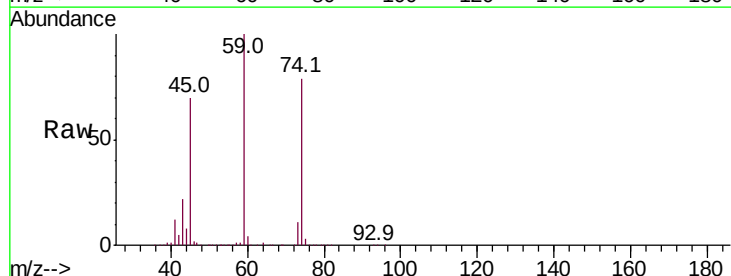
MMDadoda
7/22/2019 10:58:12 AM

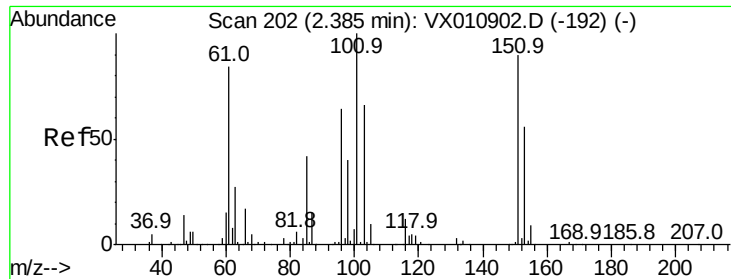


#8

Diethyl Ether
Concen: 52.703 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.2	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.108 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

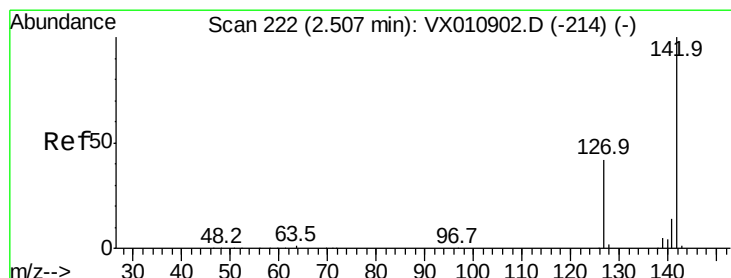
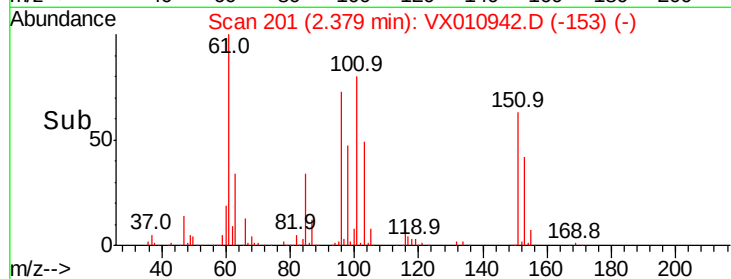
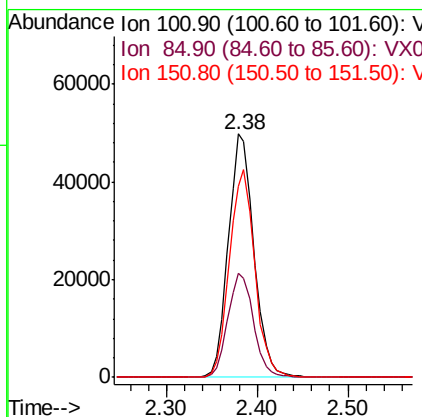
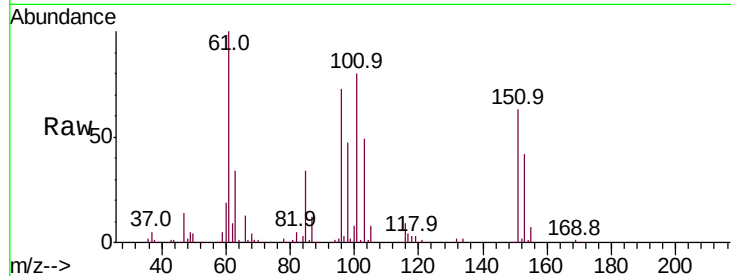
SS050MW641-190716MS

Tot Ion:101 Resp: 97196

Ion	Ratio	Lower	Upper
101	100		
85	43.1	34.6	52.0
151	84.9	69.6	104.4

Manual Integrations
APPROVED

MMDadoda
7/22/2019 10:58:12 AM



#10

Methyl Iodide

Concen: 45.116 ug/l

RT: 2.51 min Scan# 222

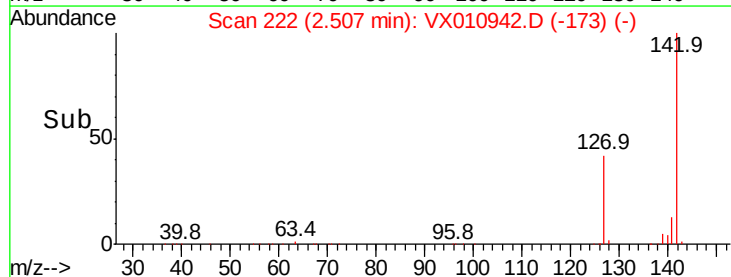
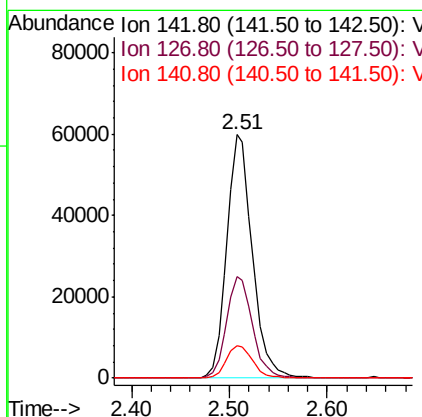
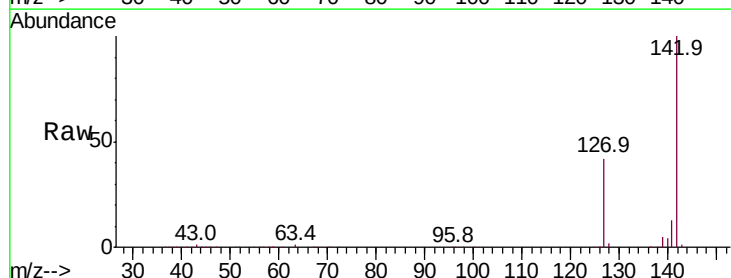
Delta R.T. 0.00 min

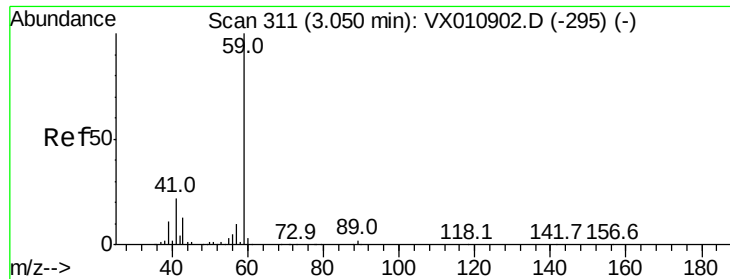
Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Tgt Ion:142 Resp: 108353

Ion	Ratio	Lower	Upper
142	100		
127	42.5	34.2	51.4
141	13.9	11.7	17.5





#11

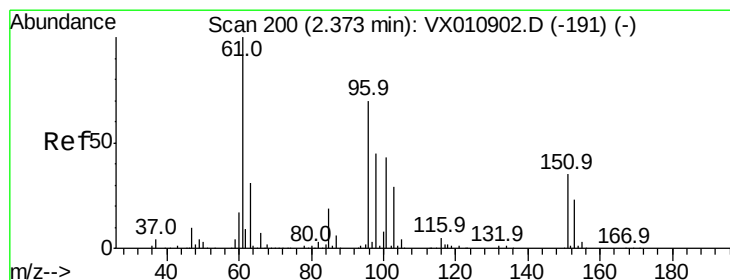
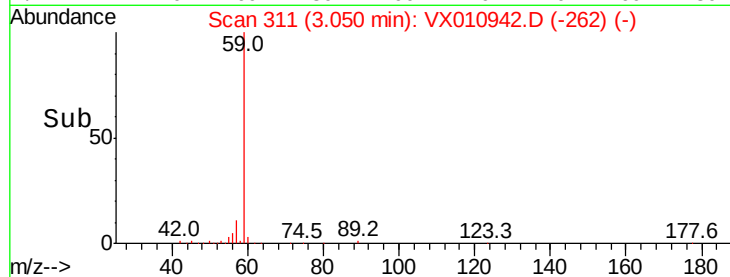
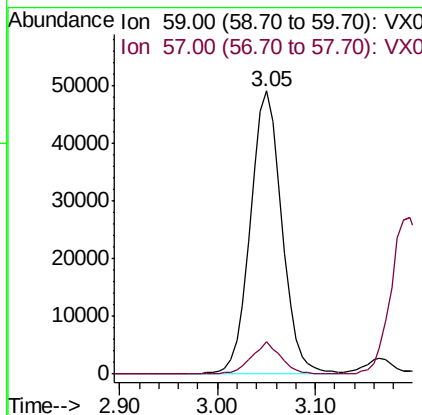
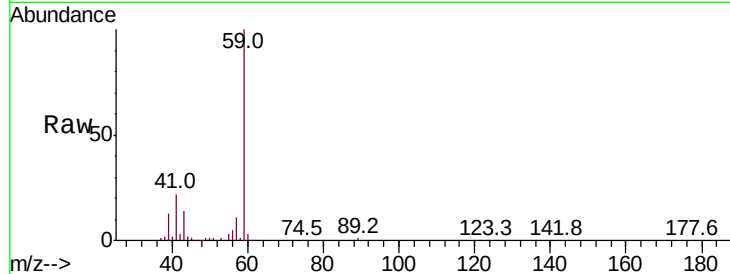
Tert butyl alcohol
Concen: 219.741 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190716MS

Tot Ion	59	57	Ratio	100	10.6	Resp	Lower	Upper
59	100							
57		10.6				7.9	11.9	

Manual Integrations
APPROVED

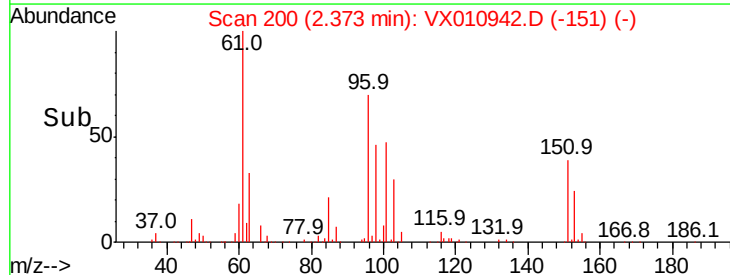
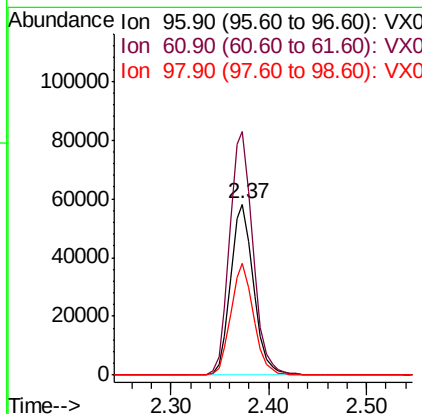
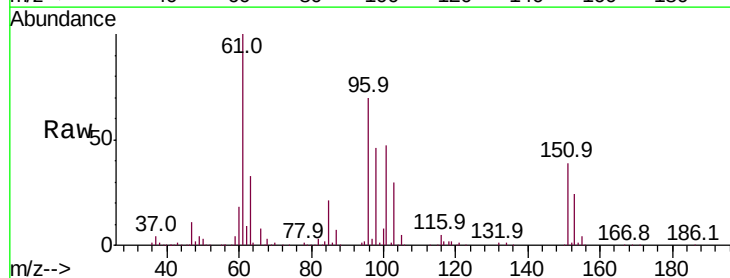
MMDadoda
7/22/2019 10:58:12 AM

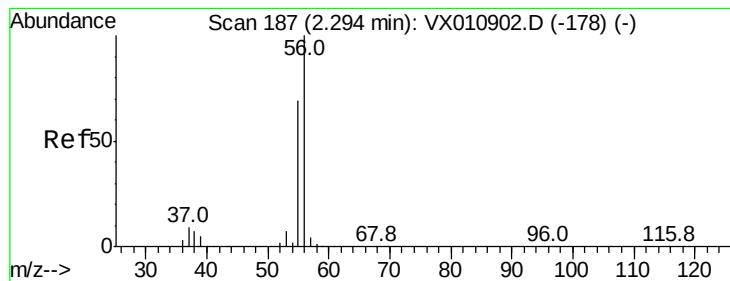


#12

1,1-Dichloroethene
Concen: 52.807 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Tgt Ion	96	61	98	Ratio	100	142.4	65.7	Resp	Lower	Upper
96	100									
61		142.4				115.0	172.4			
98		65.7				52.2	78.2			





#13

Acrolein

Concen: 211.980 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190716MS

Tot Ion: 56 Resp: 61257

Ion Ratio Lower Upper

56 100

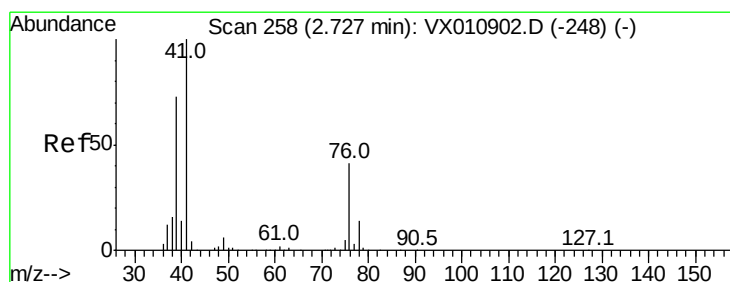
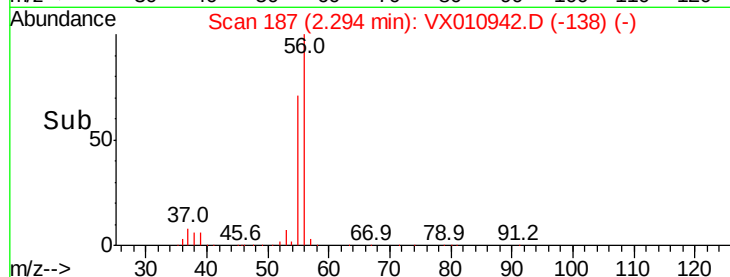
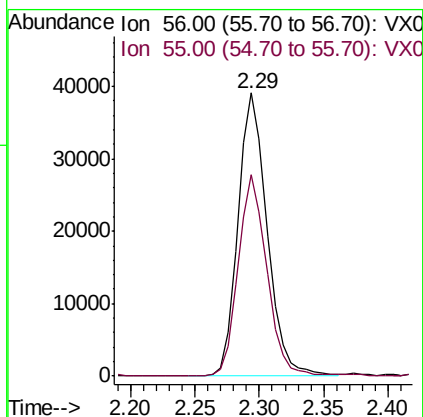
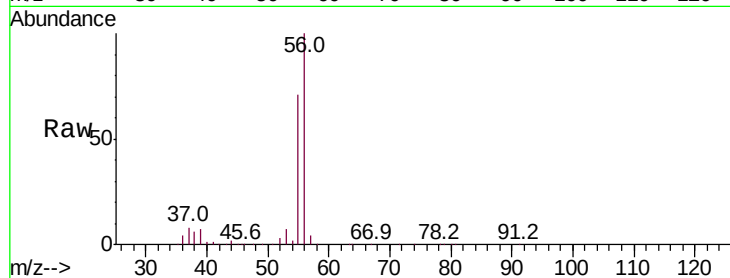
55 69.8 55.9 83.9

Manual Integrations

APPROVED

MMDadoda

7/22/2019 10:58:12 AM



#14

Allyl chloride

Concen: 52.999 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

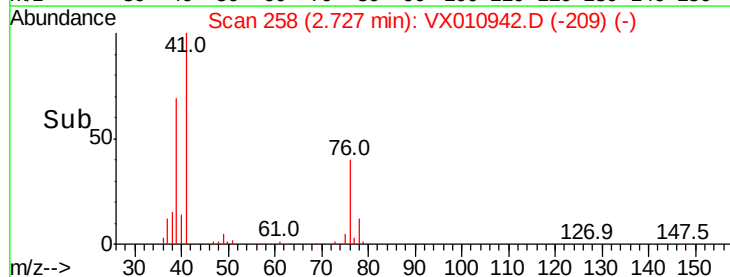
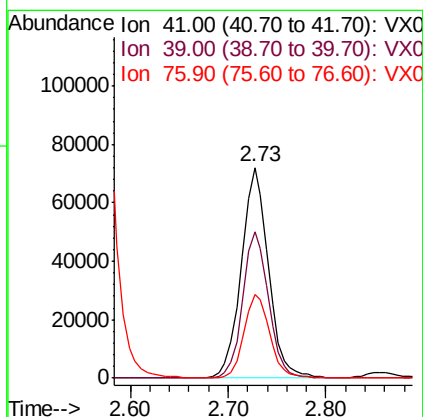
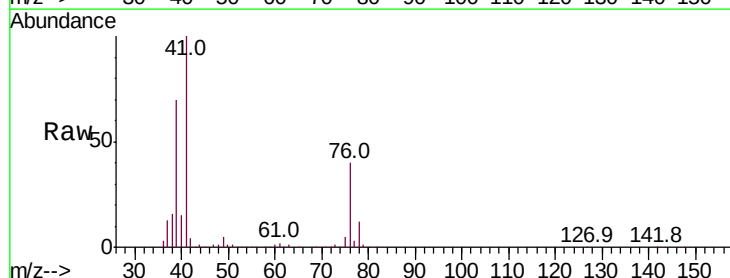
Tgt Ion: 41 Resp: 138426

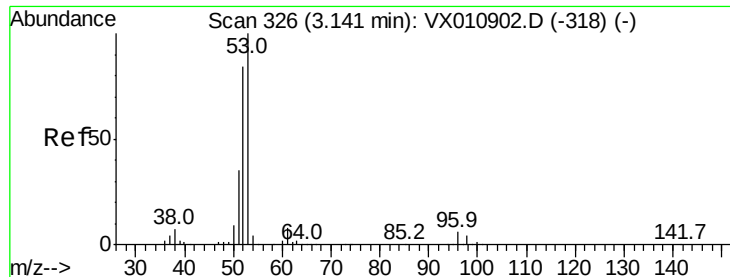
Ion Ratio Lower Upper

41 100

39 66.3 53.6 80.4

76 37.5 29.7 44.5





#15

Acrylonitrile

Concen: 270.657 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

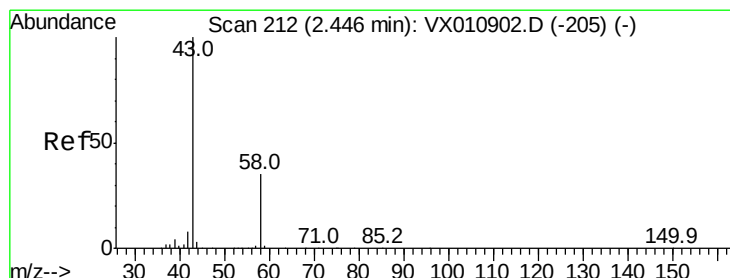
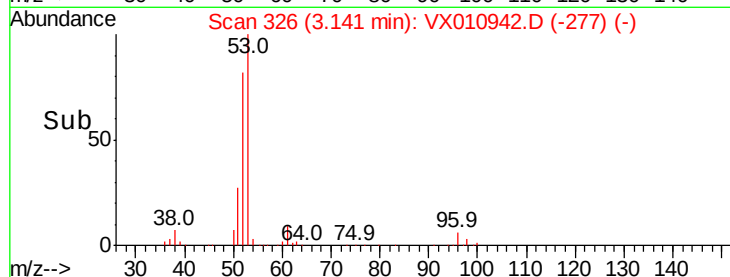
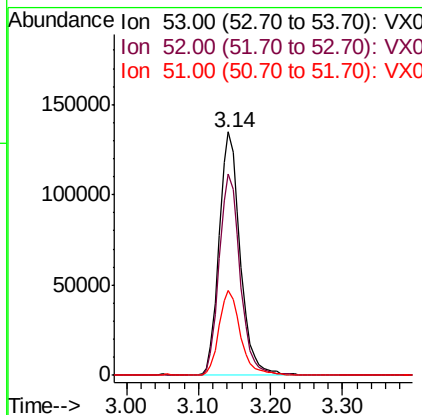
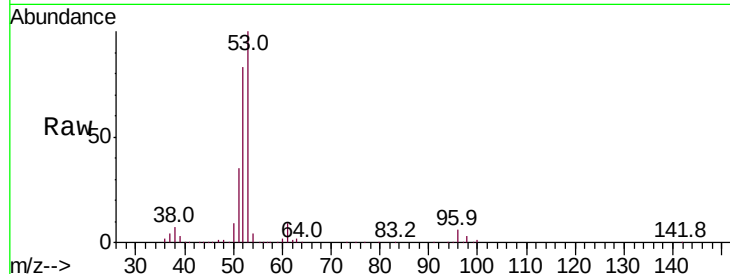
ClientSampleId :

SS050MW641-190716MS

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.5	99.7
51	35.6	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
7/22/2019 10:58:12 AM



#16

Acetone

Concen: 222.280 ug/l

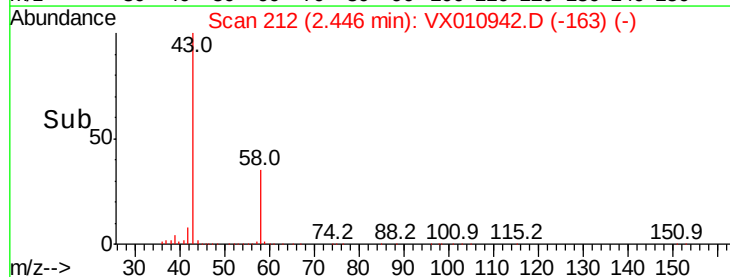
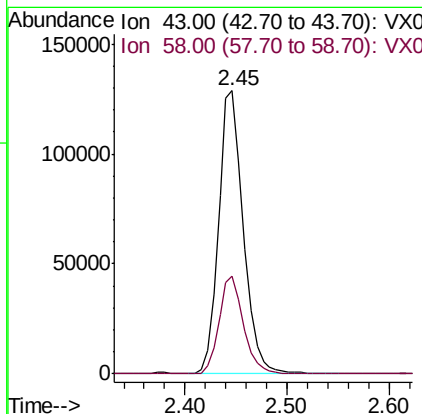
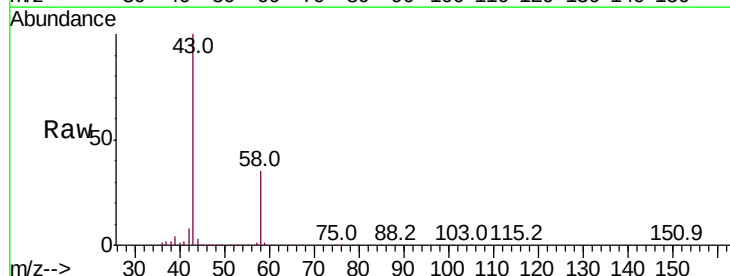
RT: 2.45 min Scan# 212

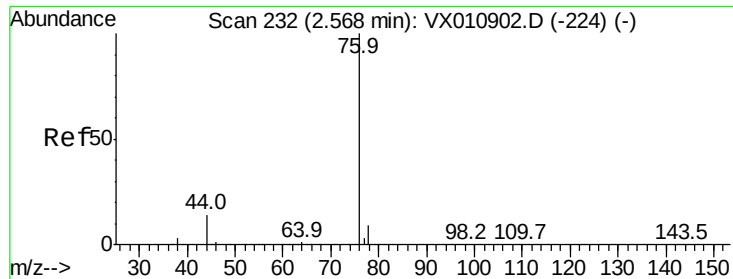
Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.7	41.5





#17

Carbon Disulfide

Concen: 53.261 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190716MS

Tot Ion: 76 Resp: 245665

Ion Ratio Lower Upper

76 100

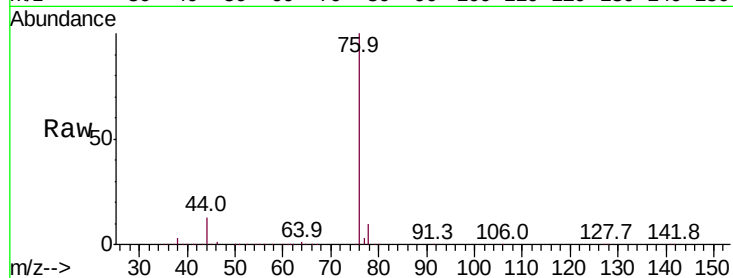
78 9.8 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

7/22/2019 10:58:12 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

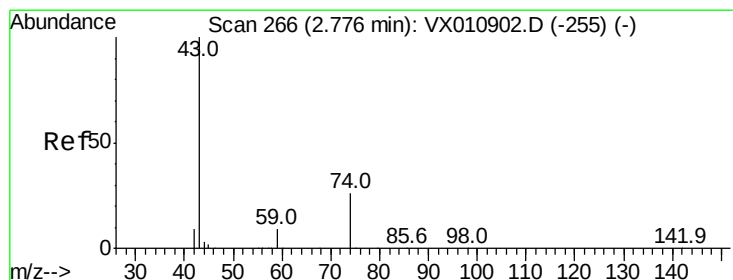
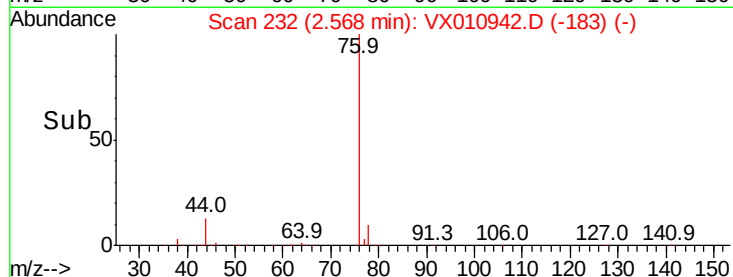
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.661 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010942.D

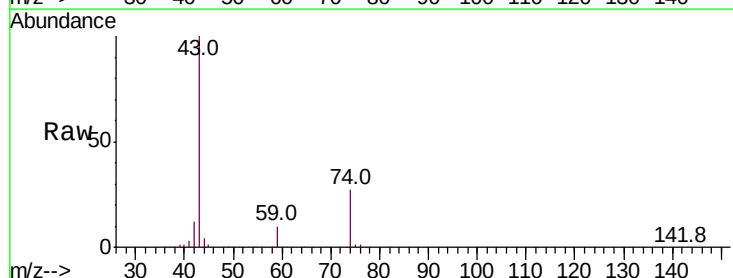
Acq: 17 Jul 2019 17:39

Tgt Ion: 43 Resp: 111893

Ion Ratio Lower Upper

43 100

74 26.7 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

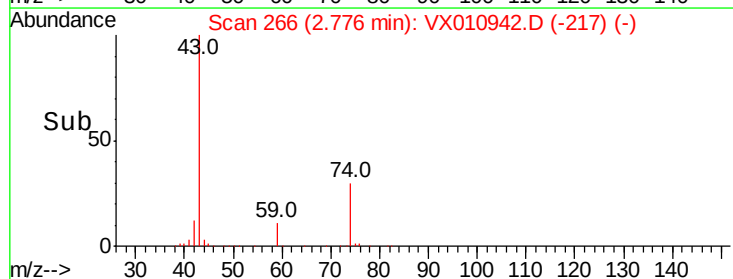
60000

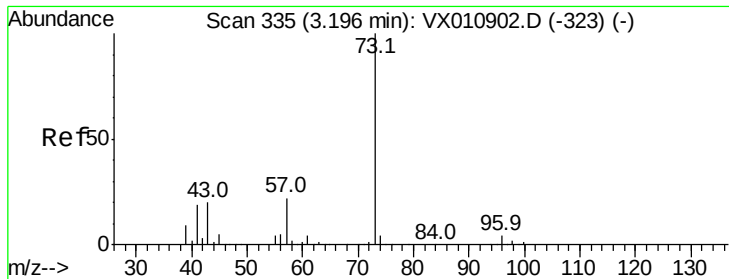
40000

20000

0

Time-->





#19

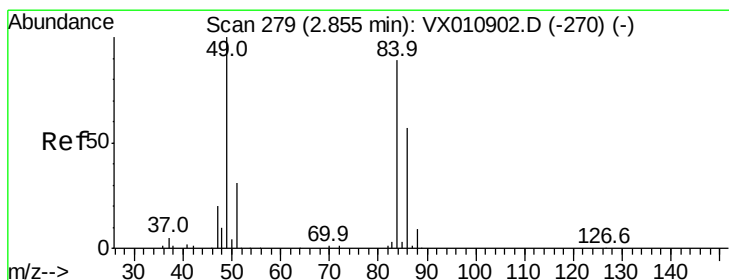
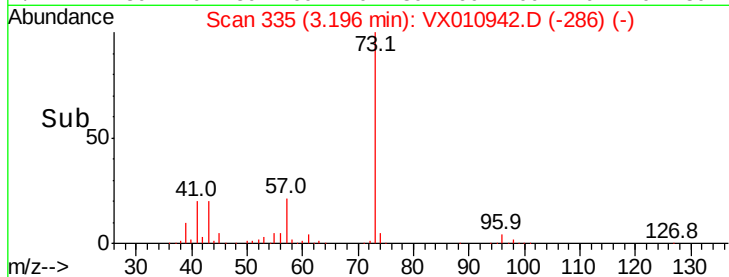
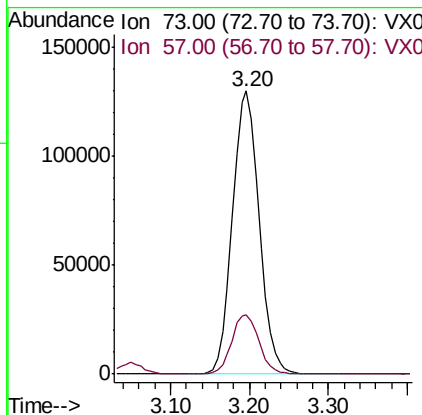
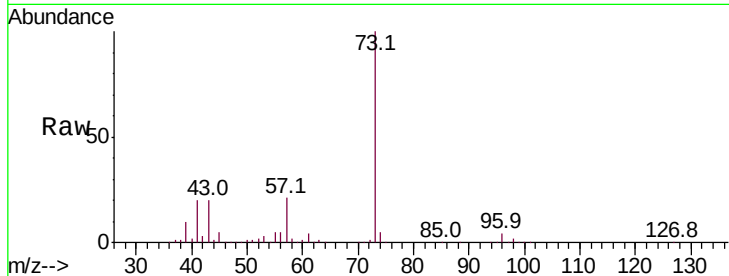
Methyl tert-butyl Ether
 Concen: 52.837 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190716MS

Tot Ion: 73 Resp: 305852
 Ion Ratio Lower Upper
 73 100
 57 20.9 17.3 25.9

Manual Integrations
 APPROVED

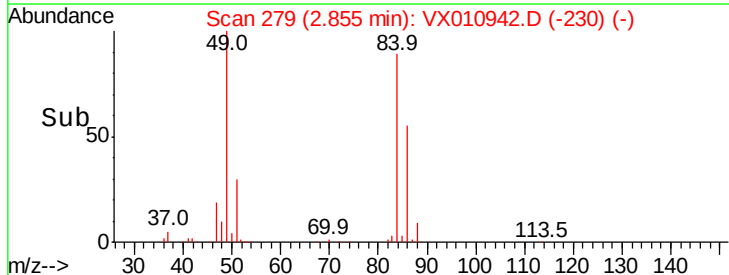
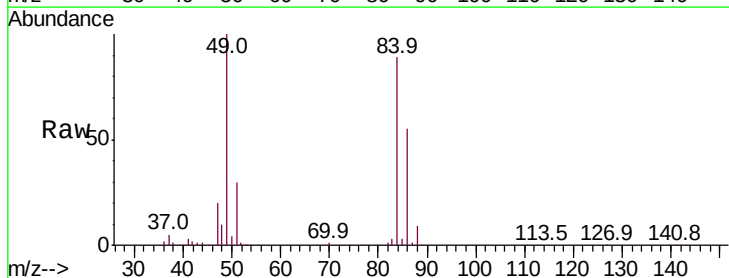
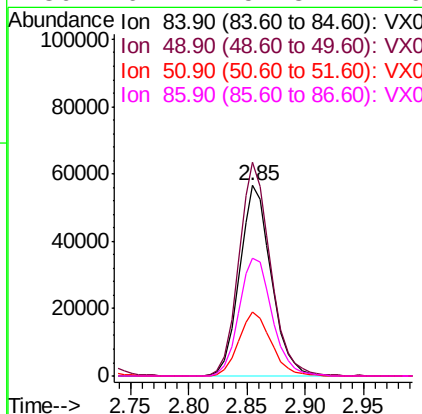
MMDadoda
 7/22/2019 10:58:12 AM

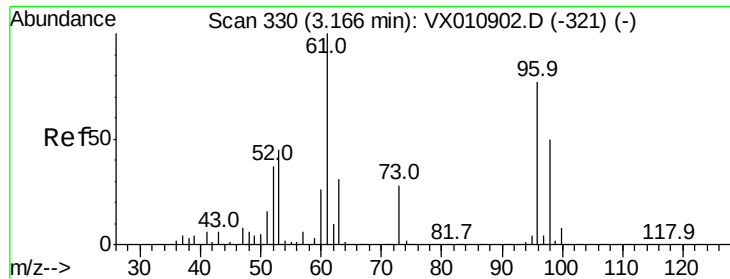


#20

Methylene Chloride
 Concen: 52.212 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Tgt Ion: 84 Resp: 107326
 Ion Ratio Lower Upper
 84 100
 49 112.3 89.9 134.9
 51 33.9 27.8 41.6
 86 62.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 53.302 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190716MS

Tot Ion: 96 Resp: 101695

Ion Ratio Lower Upper

96 100

61 124.8 104.2 156.2

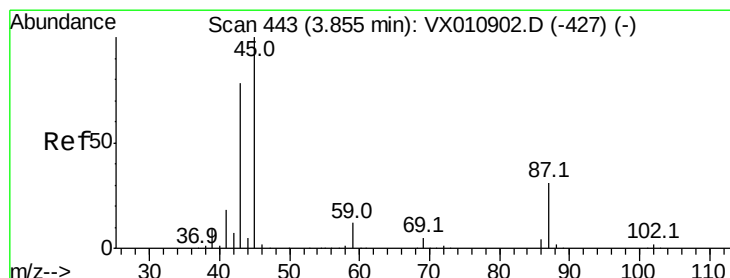
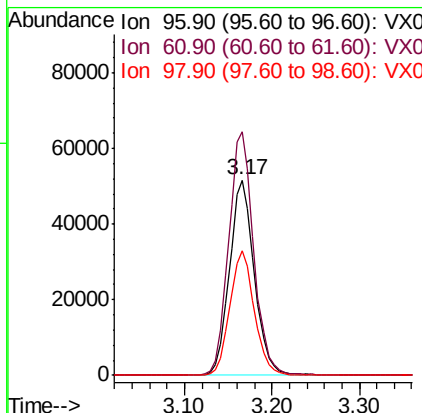
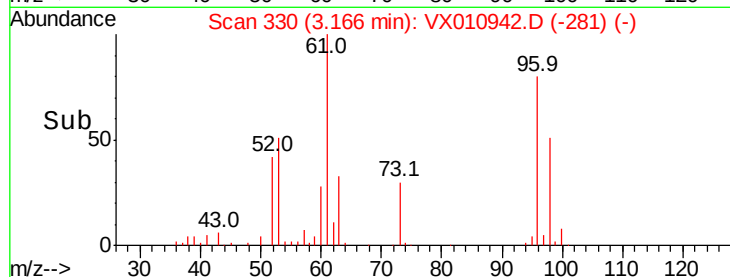
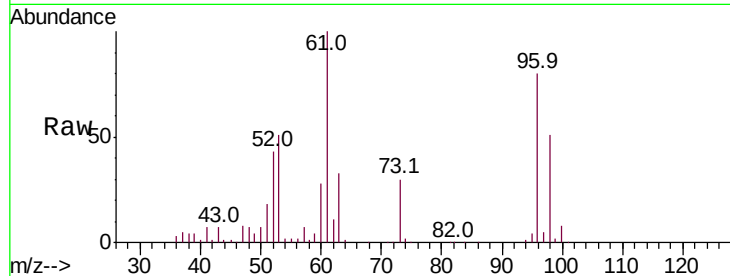
98 63.6 52.2 78.4

Manual Integrations

APPROVED

MMDadoda

7/22/2019 10:58:12 AM



#22

Diisopropyl ether

Concen: 53.437 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Tgt Ion: 45 Resp: 294362

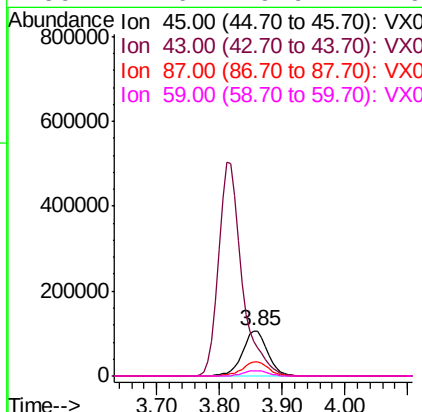
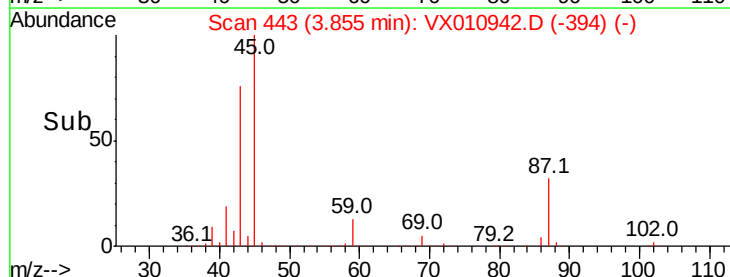
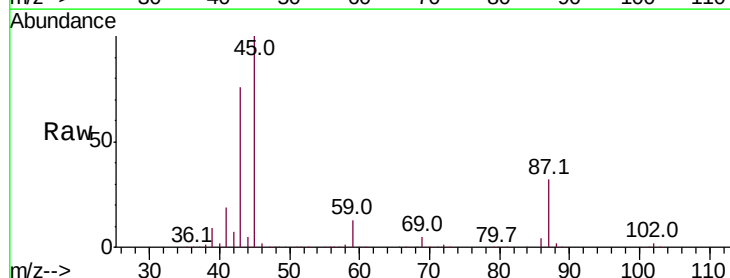
Ion Ratio Lower Upper

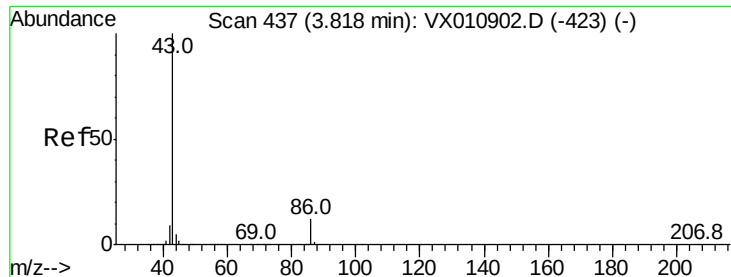
45 100

43 76.0 62.3 93.5

87 32.2 25.0 37.4

59 12.6 9.9 14.9





#23

Vinyl Acetate

Concen: 278.973 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190716MS

Tot Ion: 43 Resp: 1302075

Ion Ratio Lower Upper

43 100

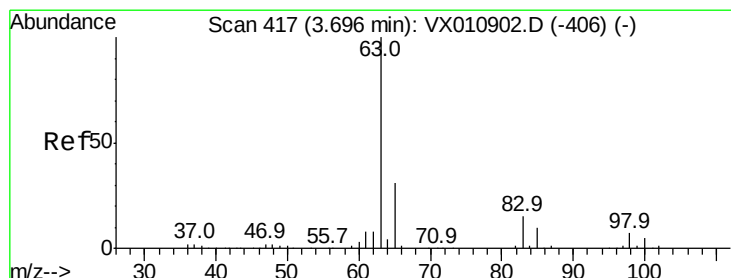
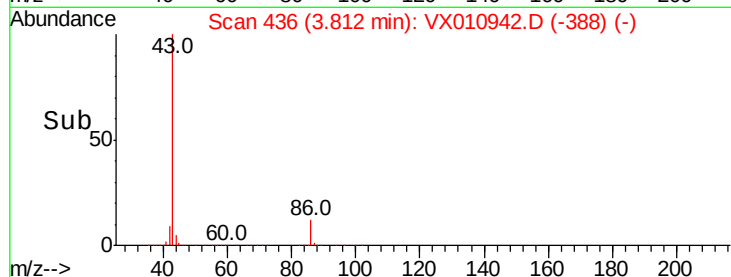
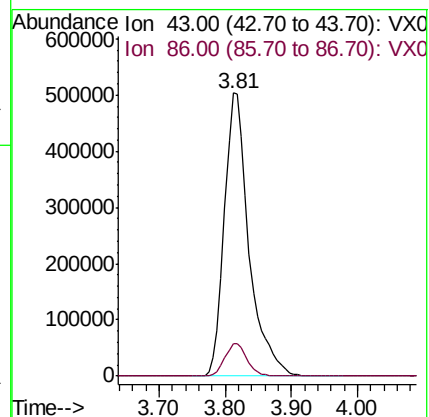
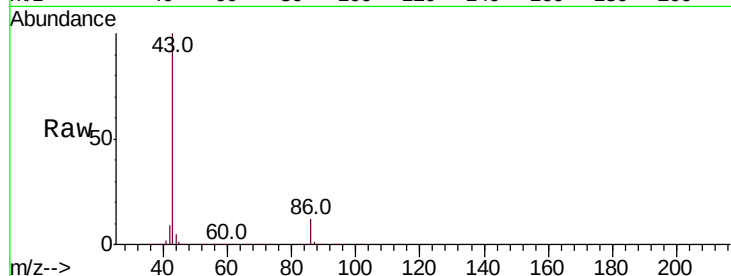
86 11.6 9.4 14.0

Manual Integrations

APPROVED

MMDadoda

7/22/2019 10:58:12 AM



#24

1,1-Dichloroethane

Concen: 53.142 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

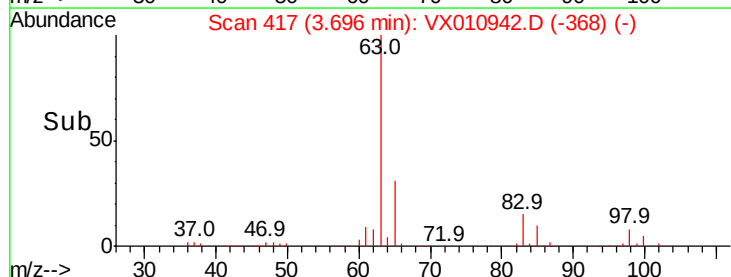
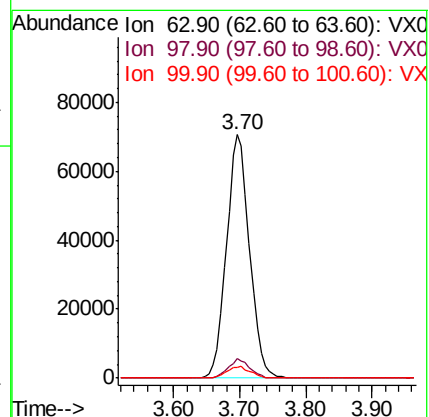
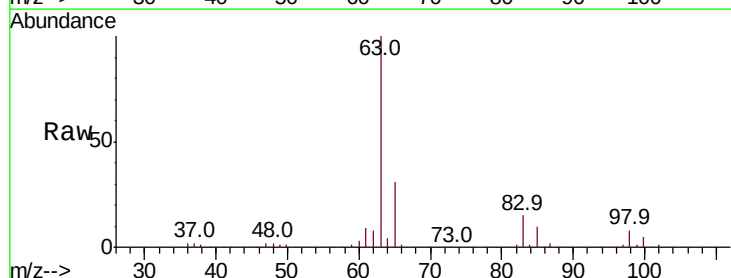
Tgt Ion: 63 Resp: 170009

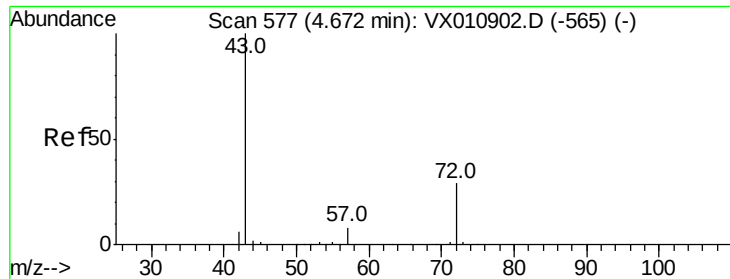
Ion Ratio Lower Upper

63 100

98 7.9 3.6 10.9

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 263.679 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190716MS

Tot Ion: 43 Resp: 367141

Ion Ratio Lower Upper

43 100

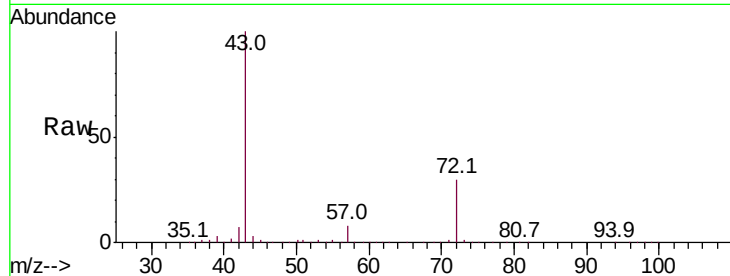
72 29.9 23.0 34.6

Manual Integrations

APPROVED

MMDadoda

7/22/2019 10:58:12 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

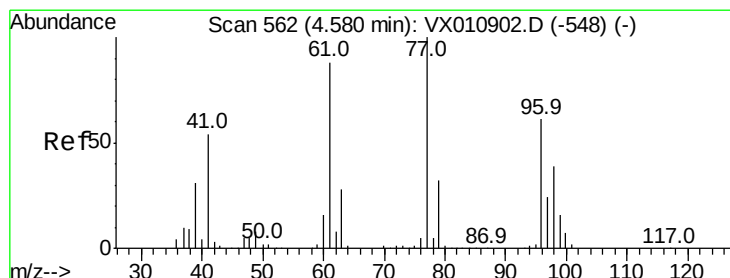
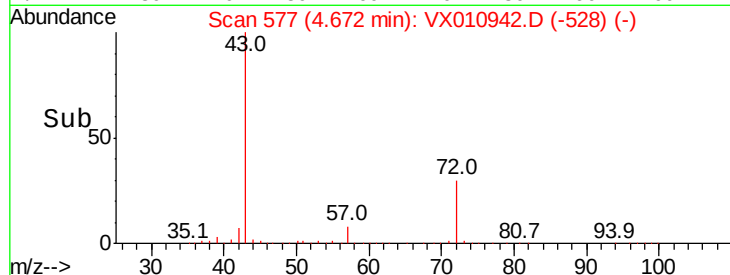
4.67

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 49.543 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010942.D

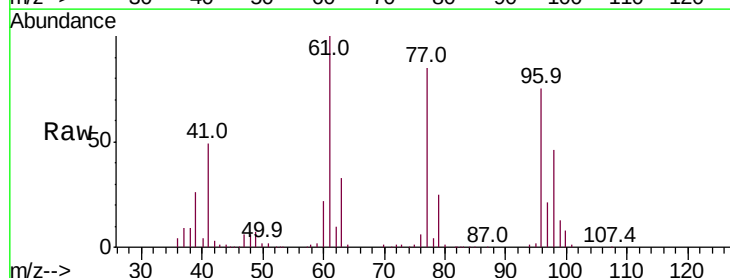
Acq: 17 Jul 2019 17:39

Tgt Ion: 77 Resp: 130138

Ion Ratio Lower Upper

77 100

97 25.7 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

4.59

40000

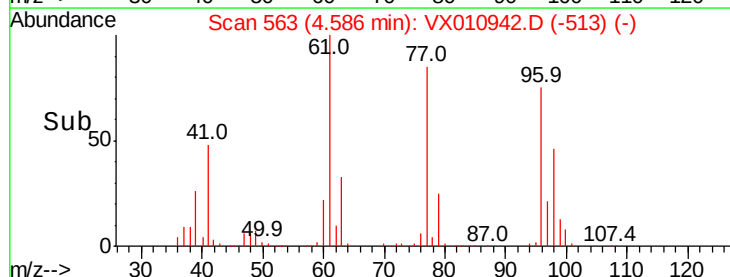
30000

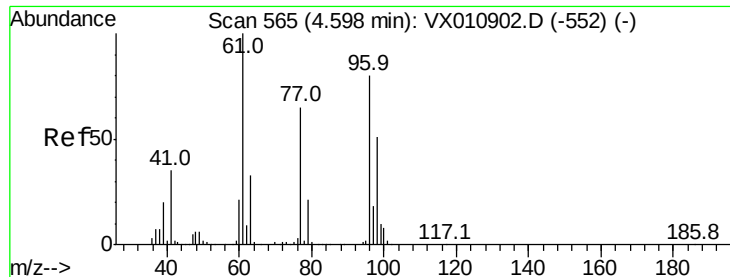
20000

10000

0

Time-->





#27

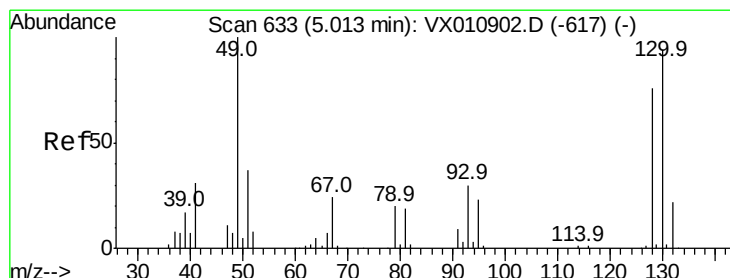
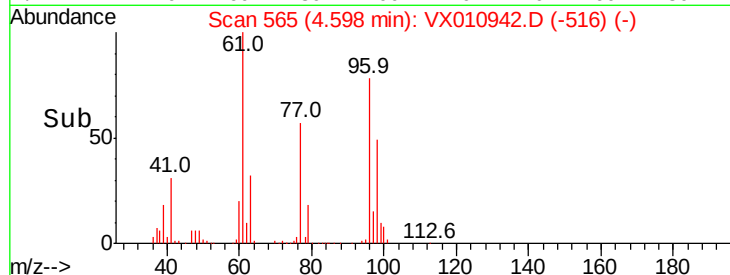
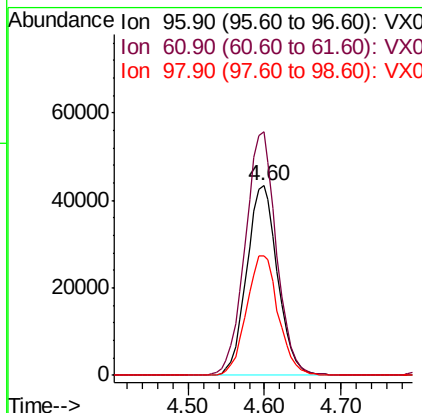
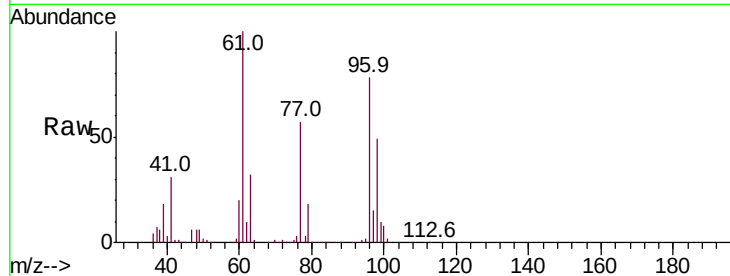
cis-1,2-Dichloroethene
Concen: 55.344 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190716MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	122204		
61	129.8	0.0	269.0	
98	64.8	0.0	131.4	

Manual Integrations
APPROVED

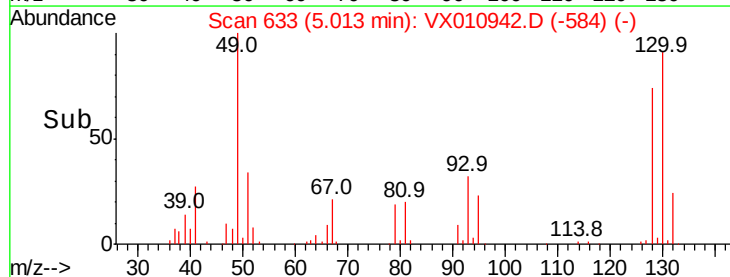
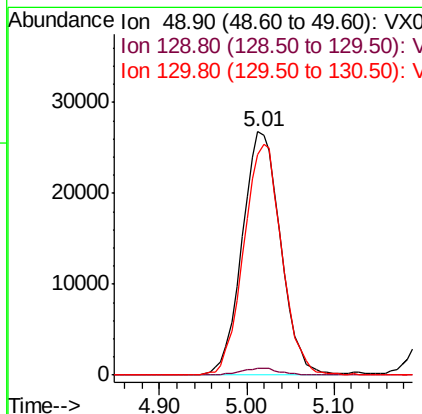
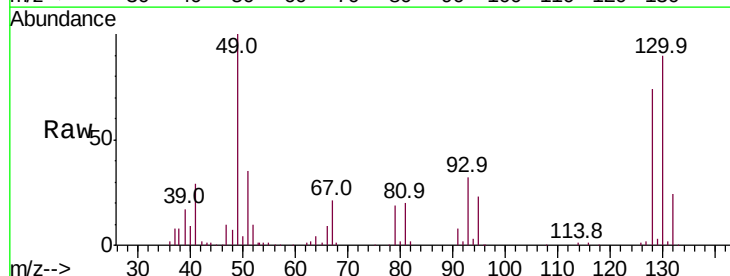
MMDadoda
7/22/2019 10:58:12 AM

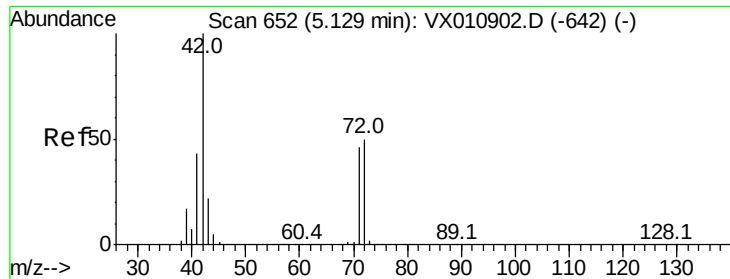


#28

Bromochloromethane
Concen: 54.357 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	81945		
129	2.7	0.0	5.2	
130	93.7	76.9	115.3	





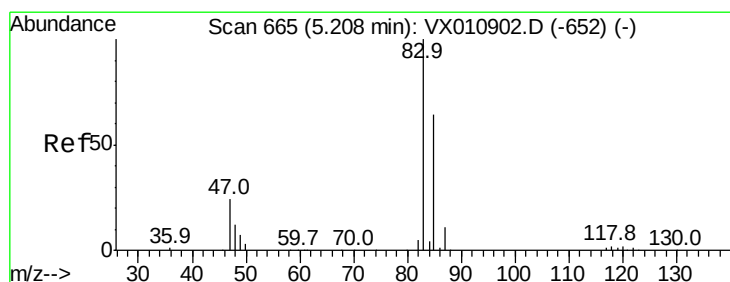
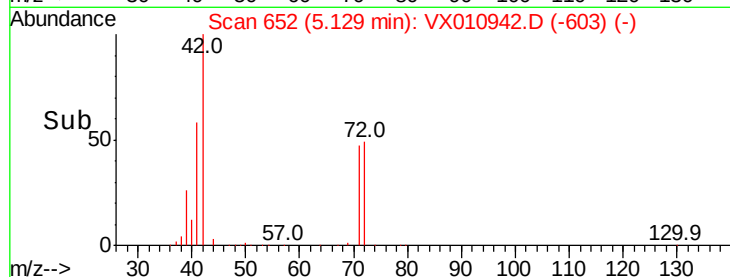
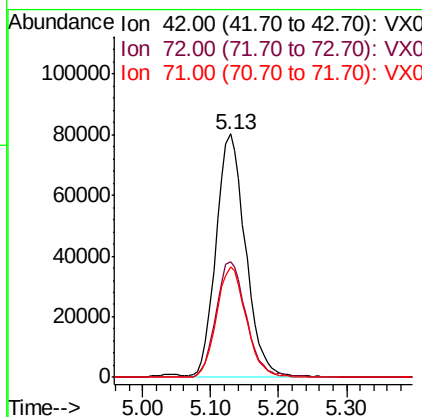
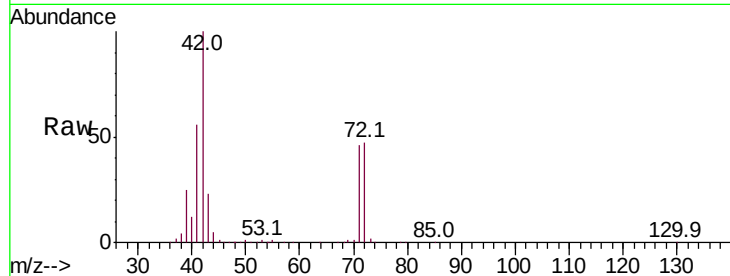
#29
Tetrahydrofuran
Concen: 272.150 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190716MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.2	39.8	59.8
71	45.9	37.0	55.4

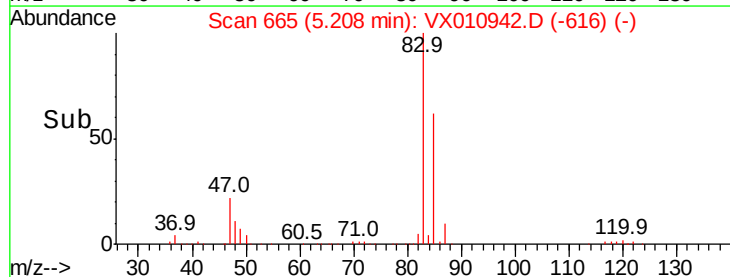
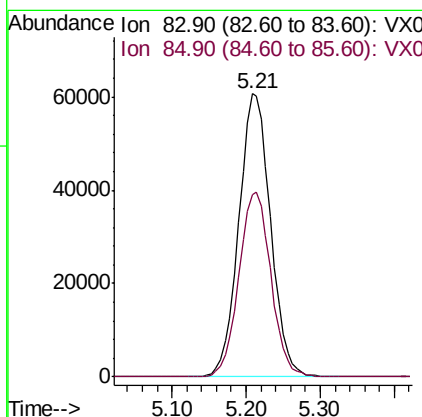
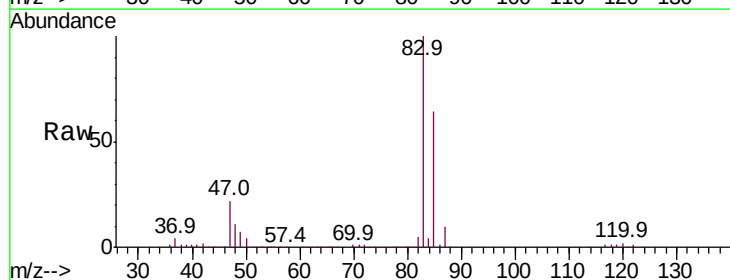
Manual Integrations
APPROVED

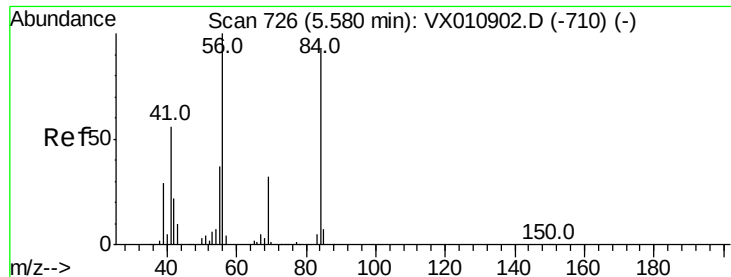
MMDadoda
7/22/2019 10:58:12 AM



#30
Chloroform
Concen: 52.437 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.0





#31

Cyclohexane

Concen: 52.791 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190716MS

Tot Ion: 56 Resp: 153937

Ion Ratio Lower Upper

56 100

69 32.2 25.8 38.8

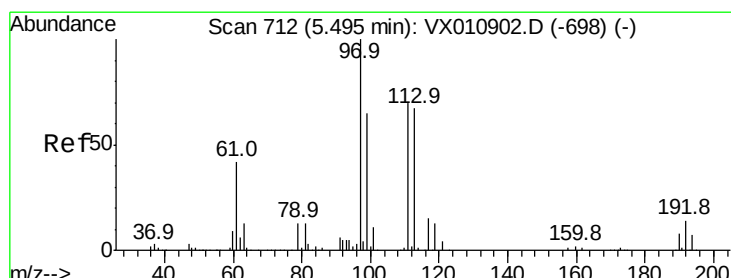
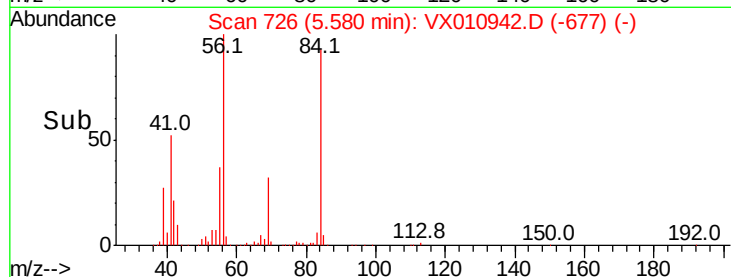
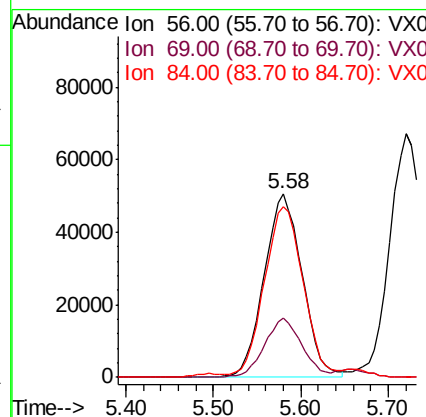
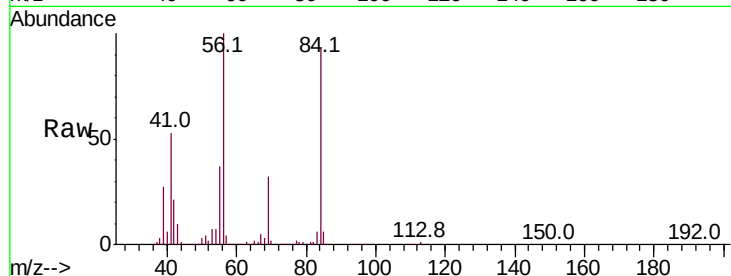
84 92.0 73.8 110.6

Manual Integrations

APPROVED

MMDadoda

7/22/2019 10:58:12 AM



#32

1,1,1-Trichloroethane

Concen: 52.864 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

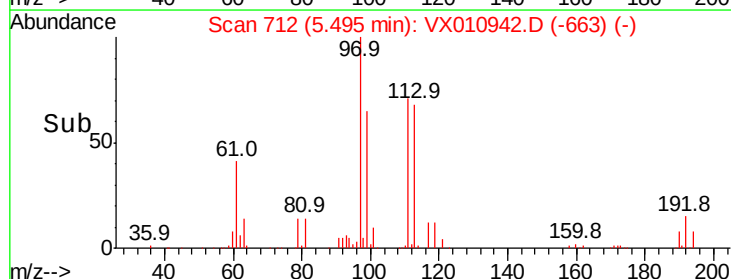
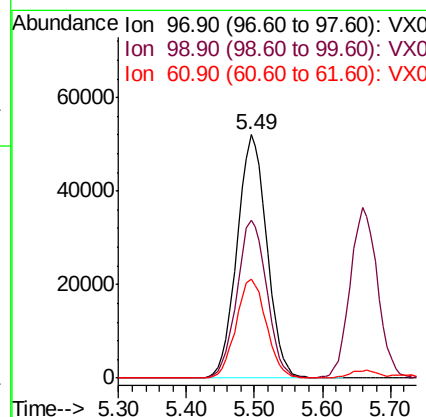
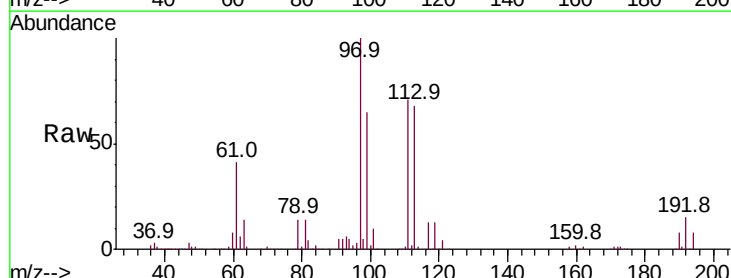
Tgt Ion: 97 Resp: 158149

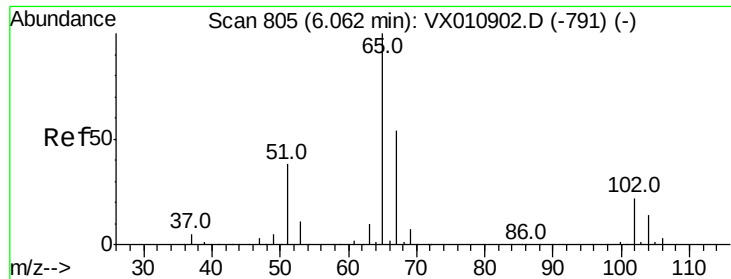
Ion Ratio Lower Upper

97 100

99 65.2 51.4 77.0

61 41.4 33.0 49.6





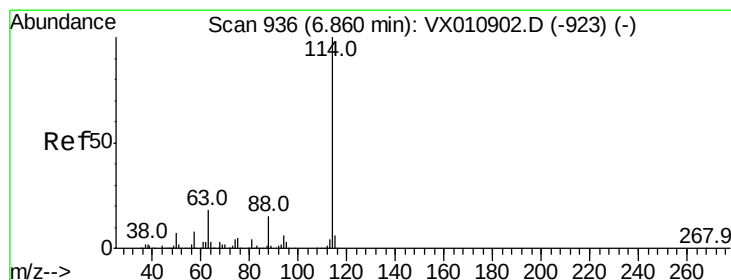
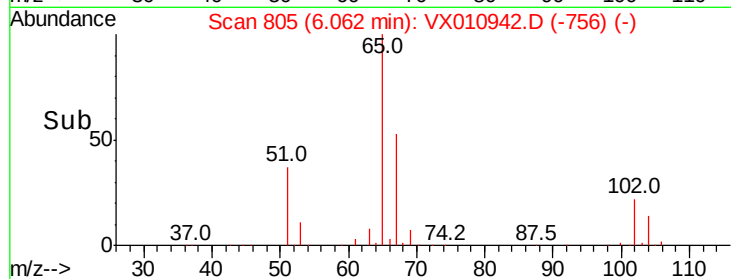
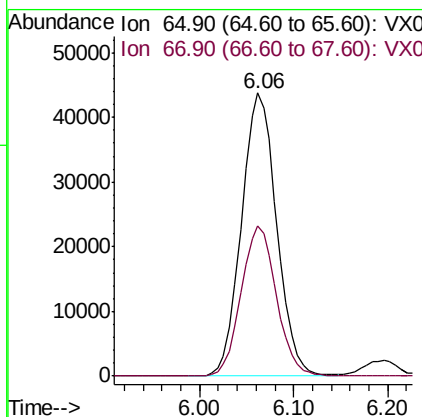
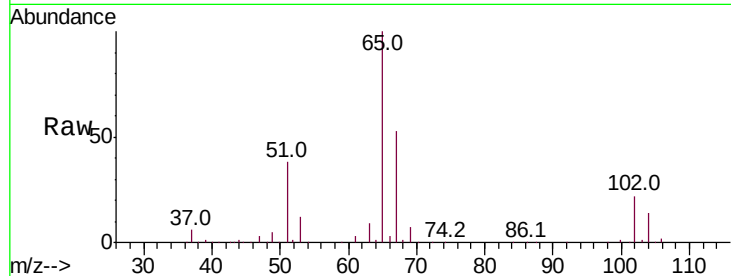
#33
 1,2-Dichloroethane-d4
 Concen: 53.336 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190716MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	107.8

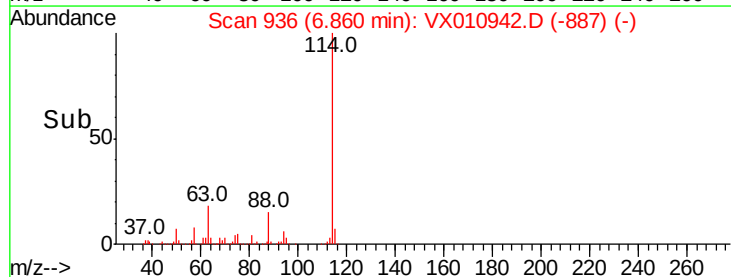
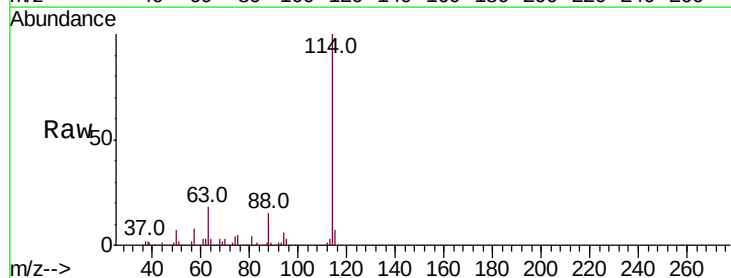
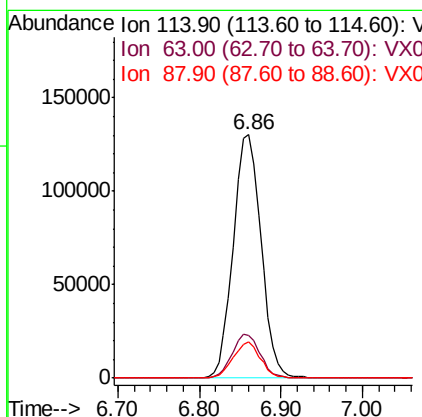
Manual Integrations
 APPROVED

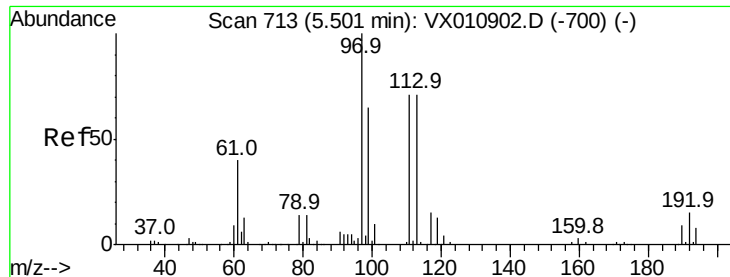
MMDadoda
 7/22/2019 10:58:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	35.6
88	14.8	0.0	29.8





#35

Dibromofluoromethane

Concen: 52.939 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

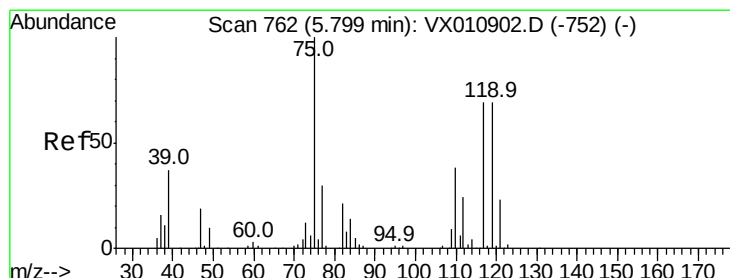
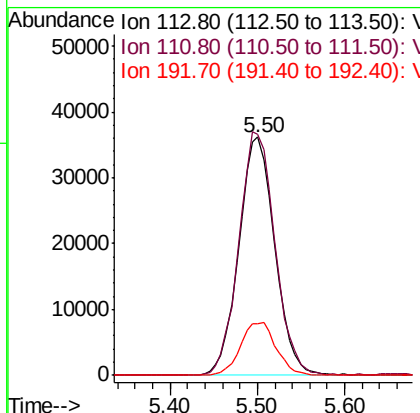
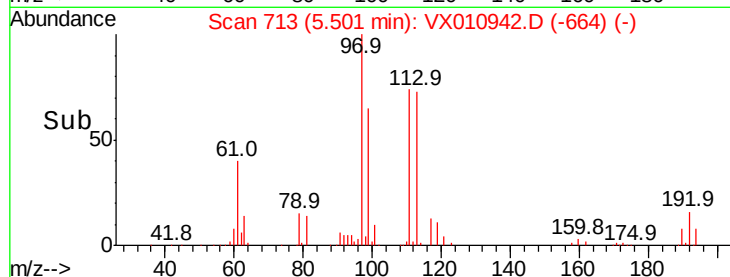
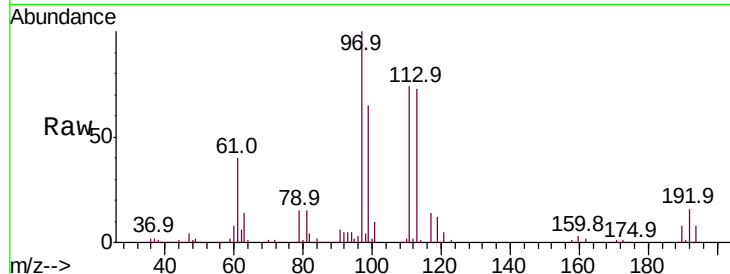
ClientSampleId :

SS050MW641-190716MS

Tot Ion:	113	Resp:	103394
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.3	123.5
192	22.2	17.4	26.2

Manual Integrations
APPROVED

MMDadoda
7/22/2019 10:58:12 AM



#36

1,1-Dichloropropene

Concen: 52.834 ug/l

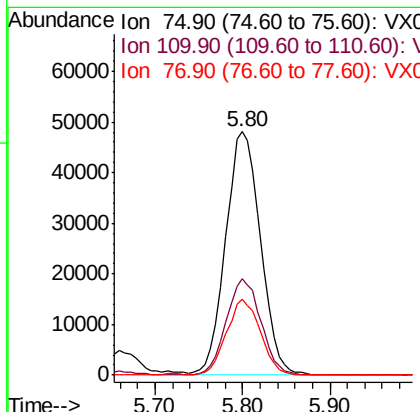
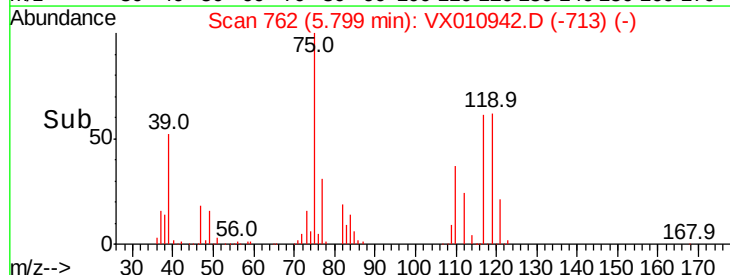
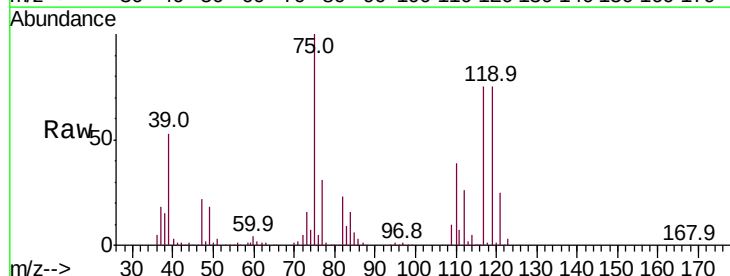
RT: 5.80 min Scan# 762

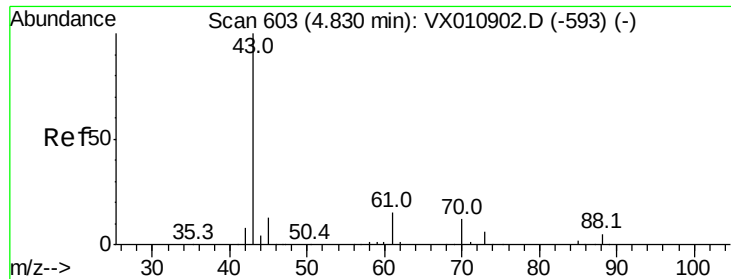
Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Tgt Ion:	75	Resp:	133539
Ion Ratio	Lower	Upper	
75	100		
110	39.0	19.9	59.7
77	30.5	25.0	37.4





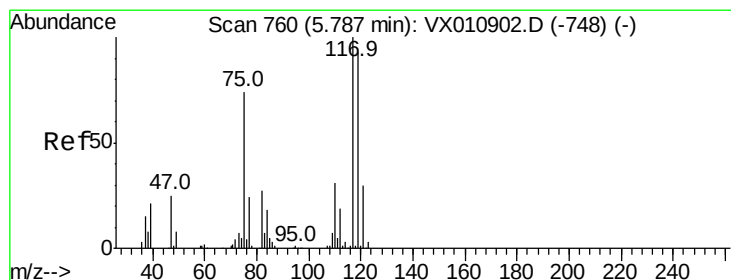
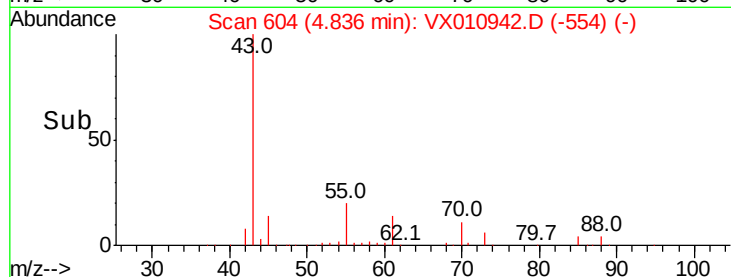
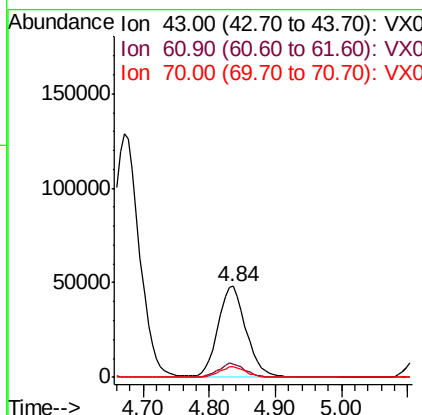
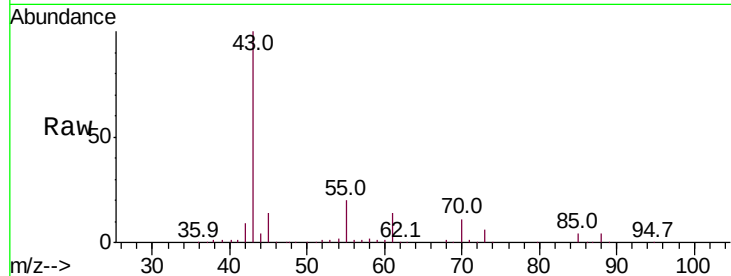
#37
Ethyl Acetate
Concen: 54.184 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190716MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.6	17.4
70	11.5	9.1	13.7

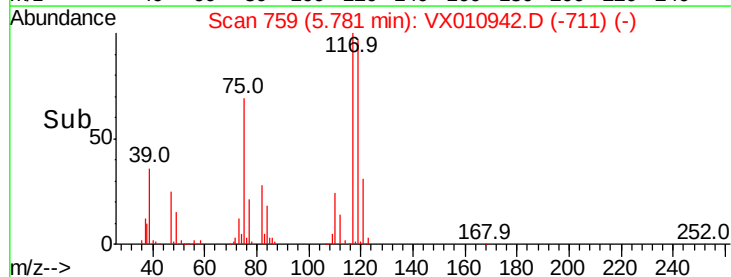
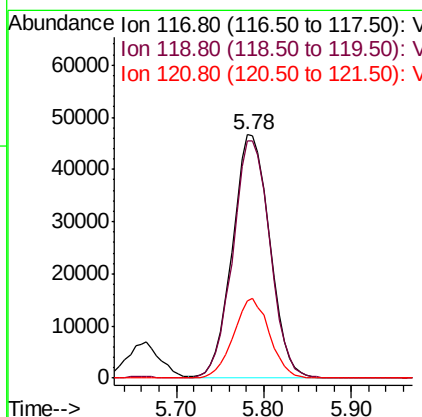
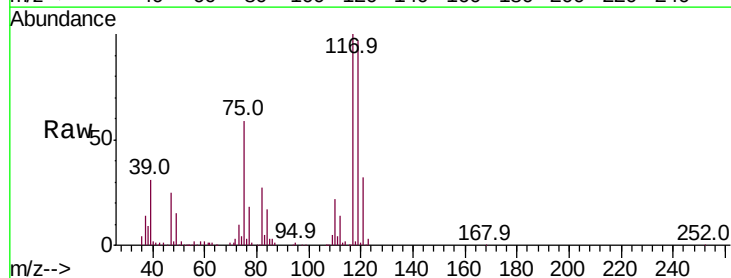
Manual Integrations
APPROVED

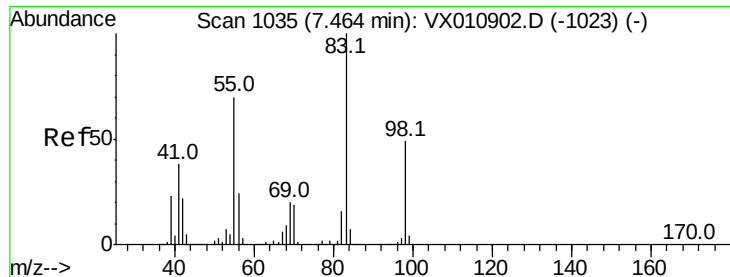
MMDadoda
7/22/2019 10:58:12 AM



#38
Carbon Tetrachloride
Concen: 52.661 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	74.2	111.2
121	31.5	24.2	36.2





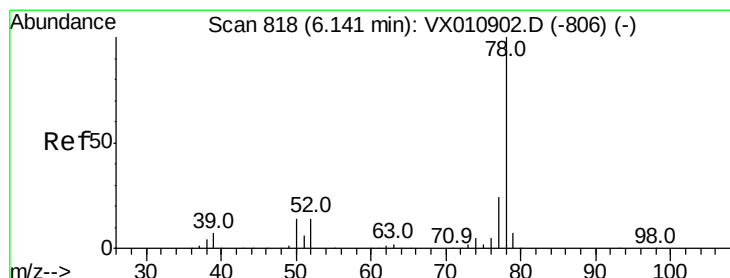
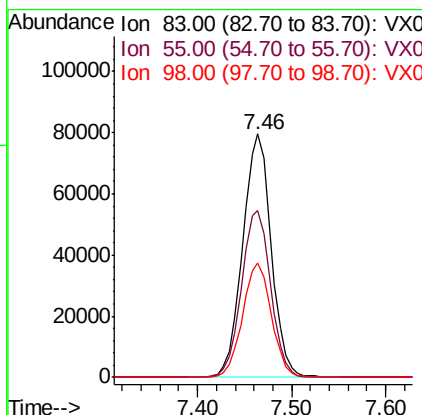
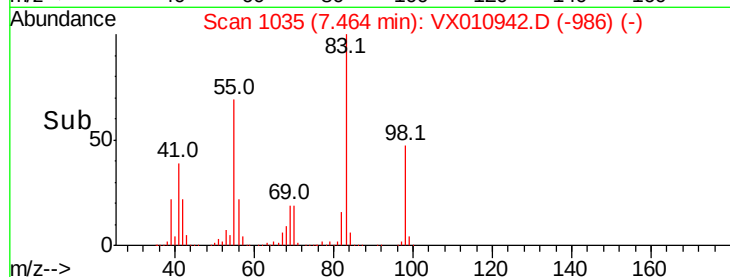
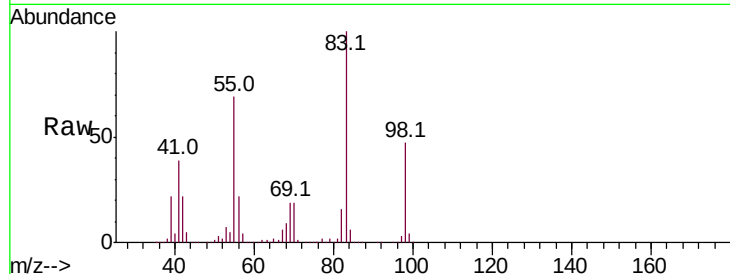
#39
Methylvlcyclohexane
Concen: 51.543 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190716MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	68.6	56.2	84.4	
98	47.0	39.0	58.4	

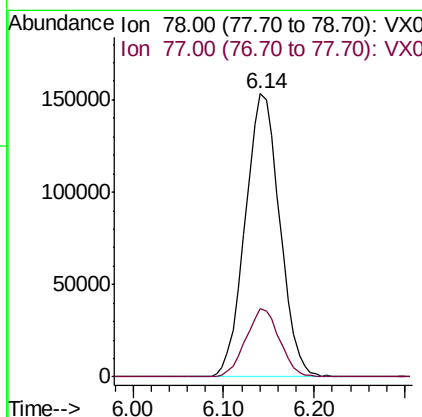
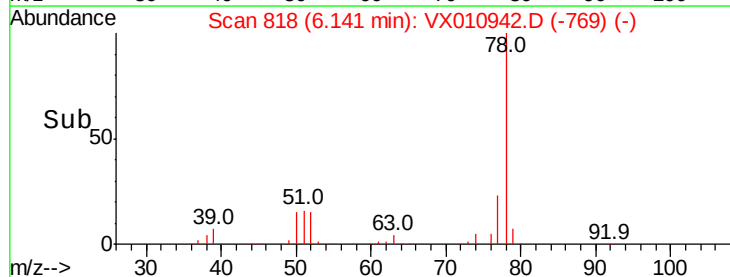
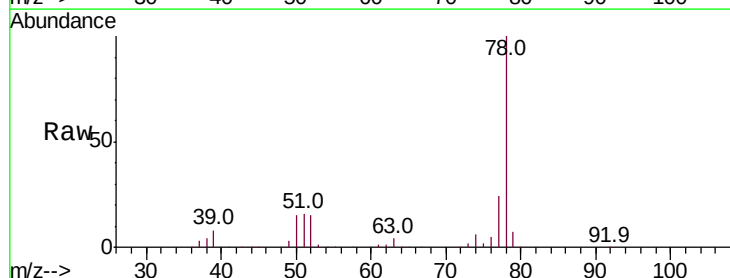
Manual Integrations
APPROVED

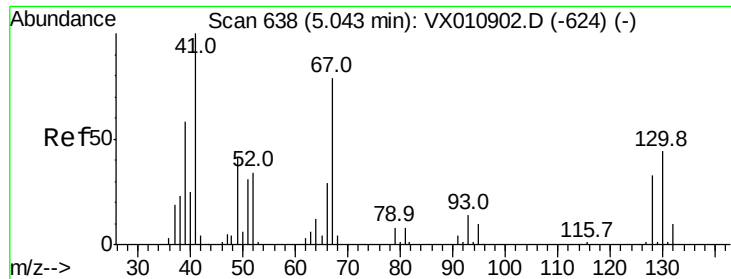
MMDadoda
7/22/2019 10:58:12 AM



#40
Benzene
Concen: 52.224 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.0	19.0	28.6	





#41

Methacrylonitrile

Concen: 51.885 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

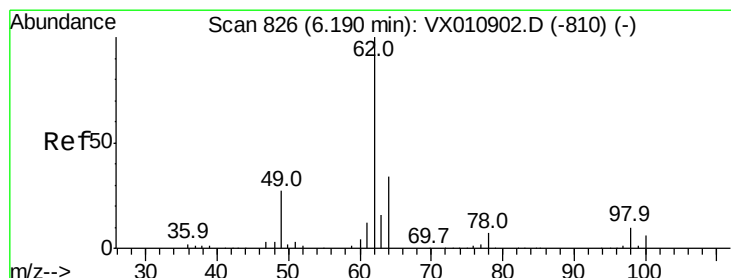
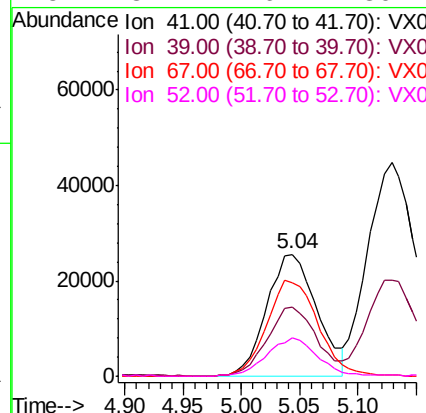
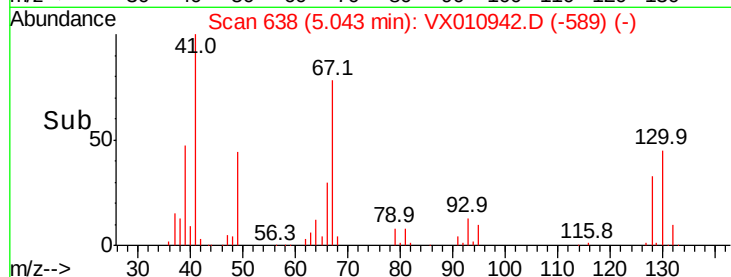
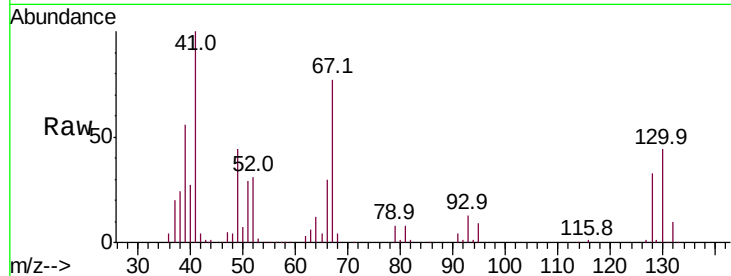
ClientSampleId :

SS050MW641-190716MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.2	45.4	68.2
67	81.1	65.9	98.9
52	32.4	26.2	39.2

Manual Integrations
APPROVED

MMDadoda
7/22/2019 10:58:12 AM



#42

1,2-Dichloroethane

Concen: 52.030 ug/l

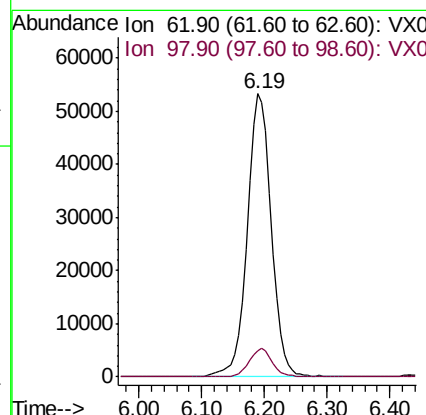
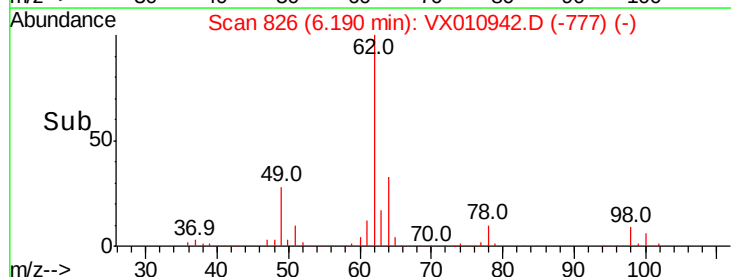
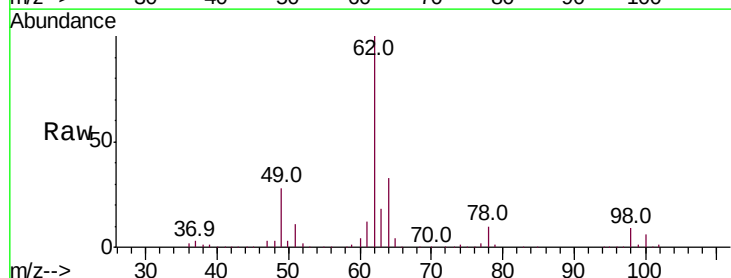
RT: 6.19 min Scan# 826

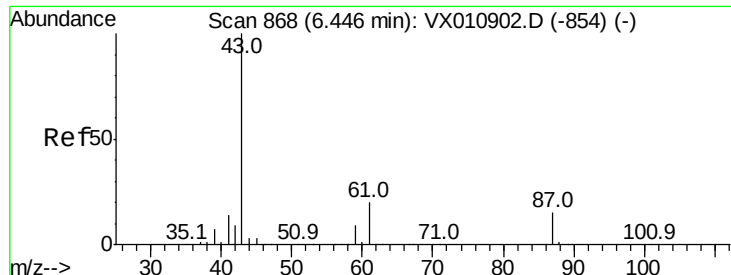
Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.0





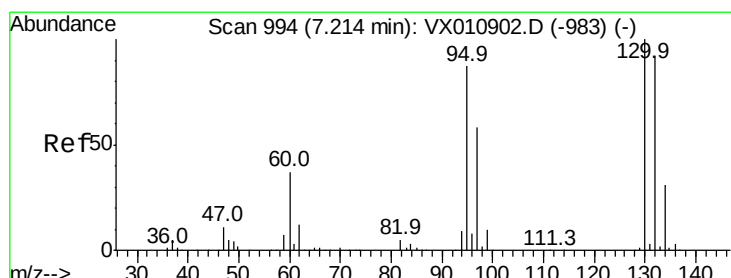
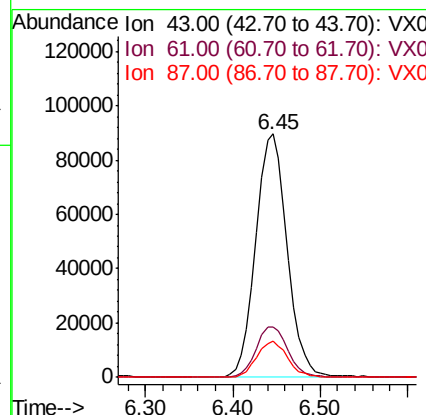
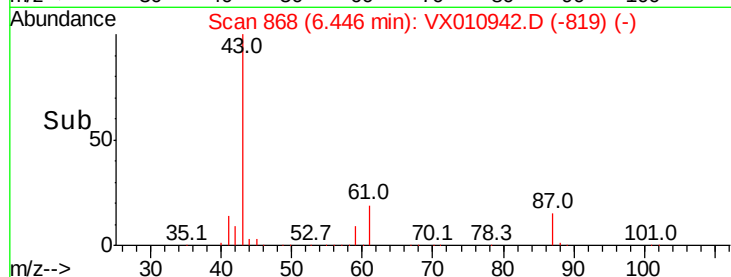
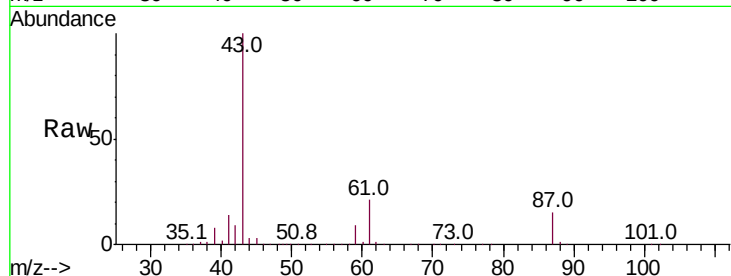
#43
Isopropyl Acetate
Concen: 52.708 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190716MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.1	25.7
87	14.7	12.0	18.0

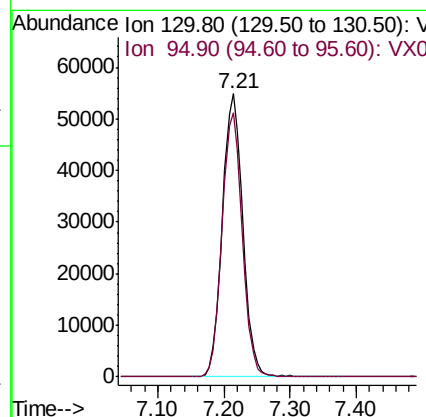
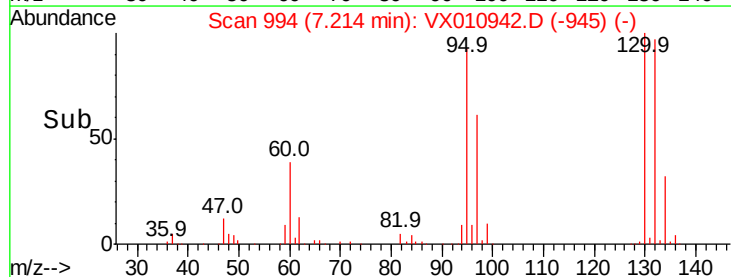
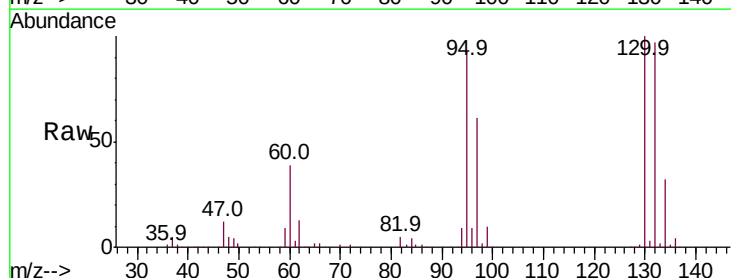
Manual Integrations
APPROVED

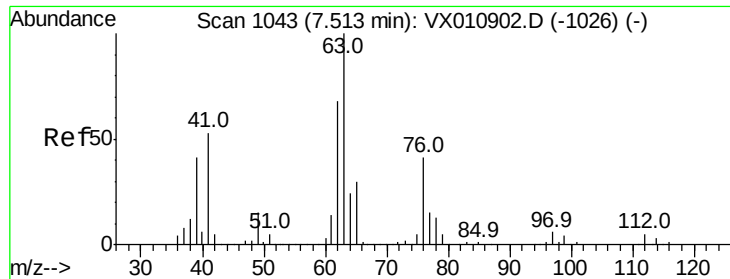
MMDadoda
7/22/2019 10:58:12 AM



#44
Trichloroethene
Concen: 51.041 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	174.8





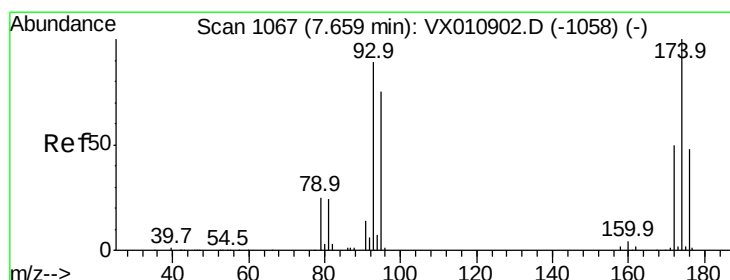
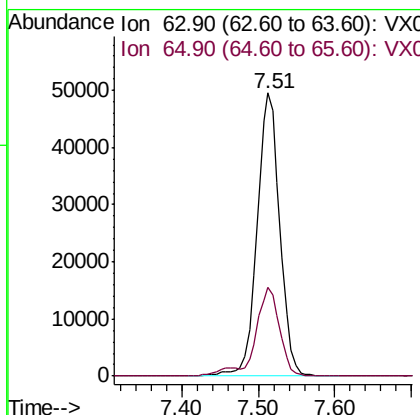
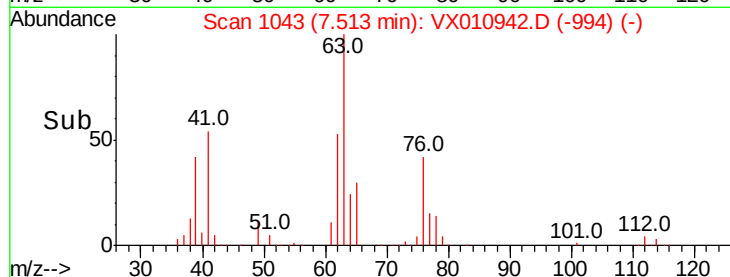
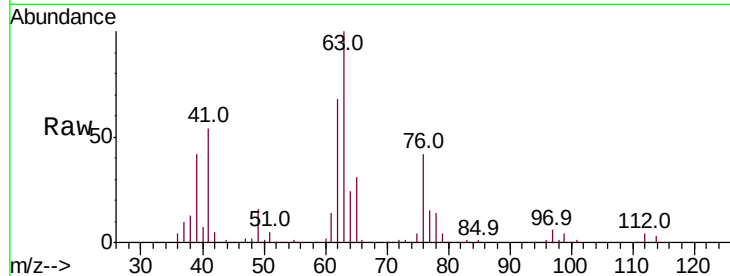
#45
 1,2-Dichloropropane
 Concen: 52.124 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190716MS

Tot Ion: 63 Resp: 102715
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.4 36.6

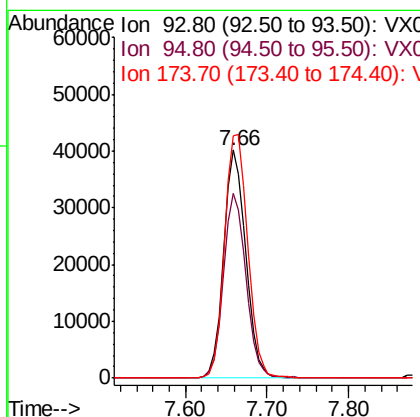
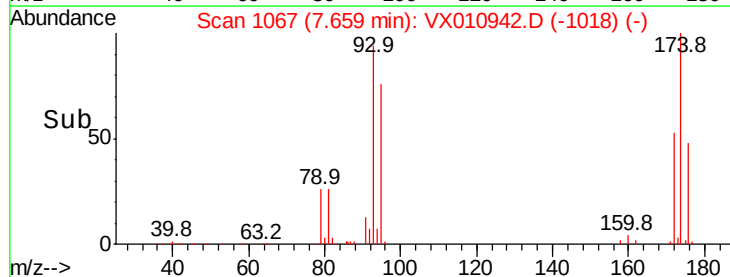
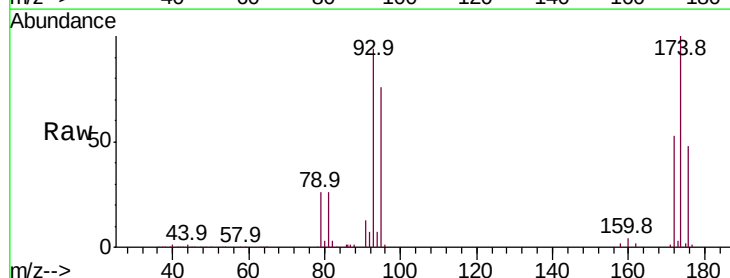
Manual Integrations
 APPROVED

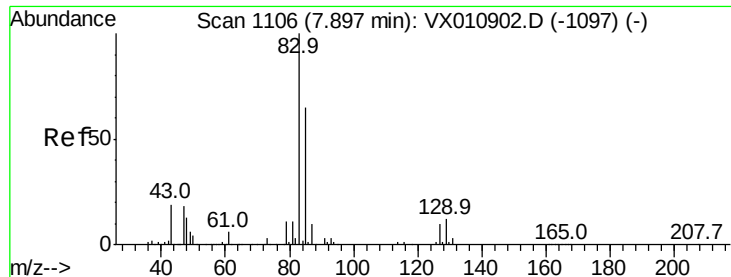
MMDadoda
 7/22/2019 10:58:12 AM



#46
 Dibromomethane
 Concen: 53.509 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Tgt Ion: 93 Resp: 75346
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.2 100.8
 174 111.9 90.6 135.8





#47

Bromodichloromethane

Concen: 54.145 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

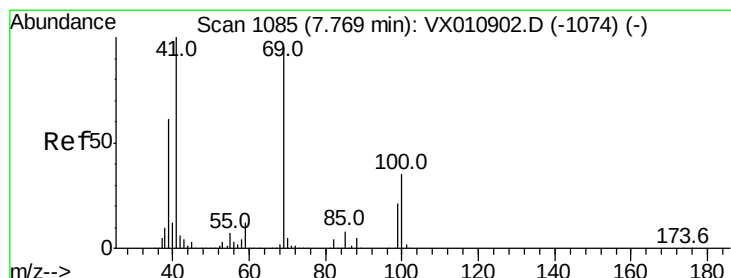
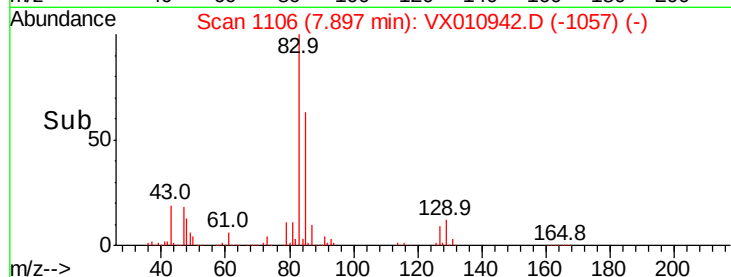
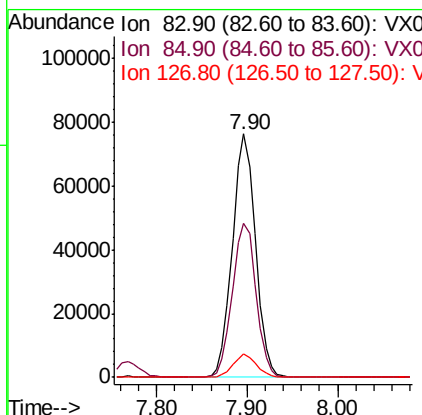
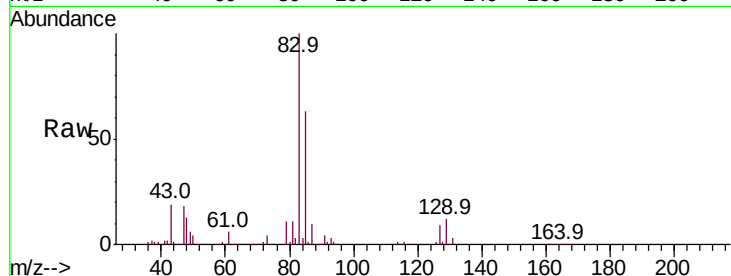
ClientSampleId :

SS050MW641-190716MS

Tot Ion:	83	Resp:	135717
Ion Ratio	Lower	Upper	
83	100		
85	63.3	52.5	78.7
127	9.4	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
7/22/2019 10:58:12 AM



#48

Methyl methacrylate

Concen: 53.449 ug/l

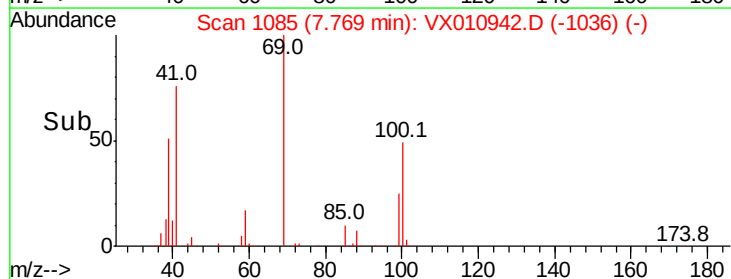
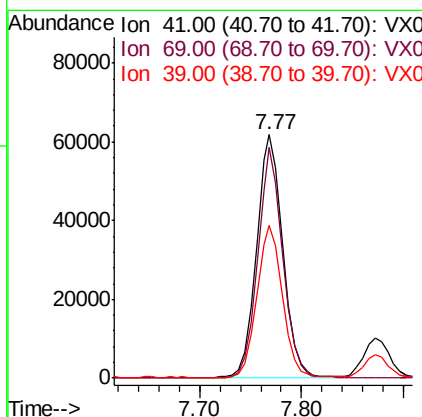
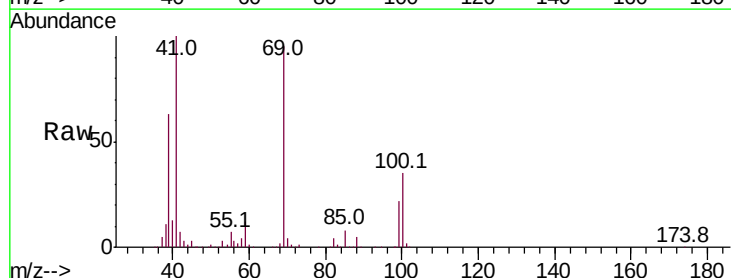
RT: 7.77 min Scan# 1085

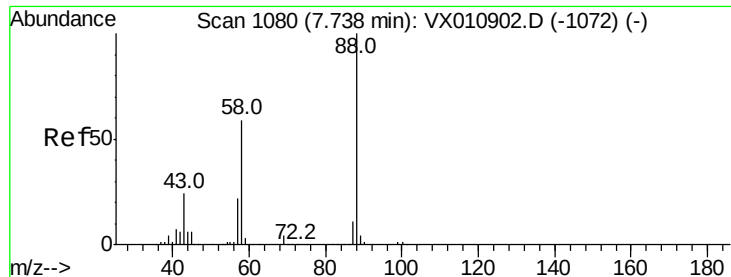
Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Tgt Ion:	41	Resp:	110807
Ion Ratio	Lower	Upper	
41	100		
69	90.4	74.4	111.6
39	61.0	48.9	73.3





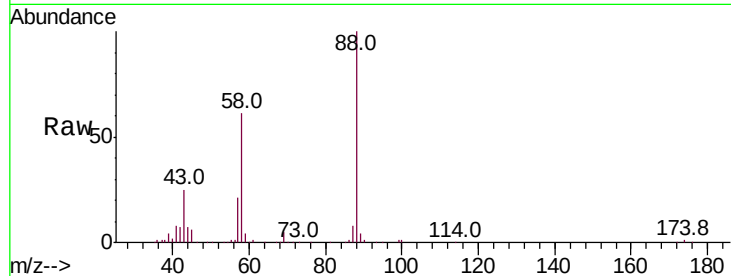
#49
1,4-Dioxane
Concen: 919.301 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190716MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.6	22.9	34.3
58	63.2	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
7/22/2019 10:58:12 AM

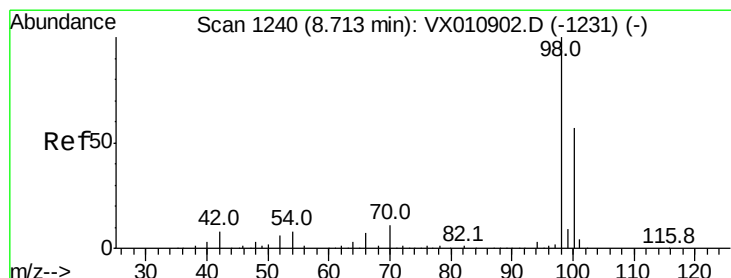
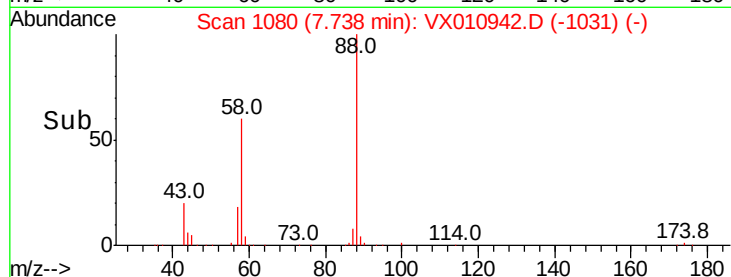
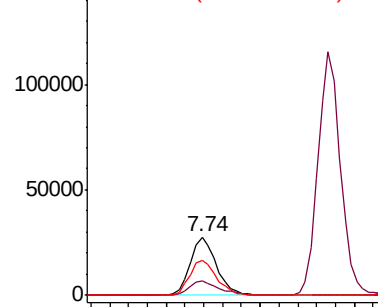


Abundance

Ion 88.00 (87.70 to 88.70): VX0

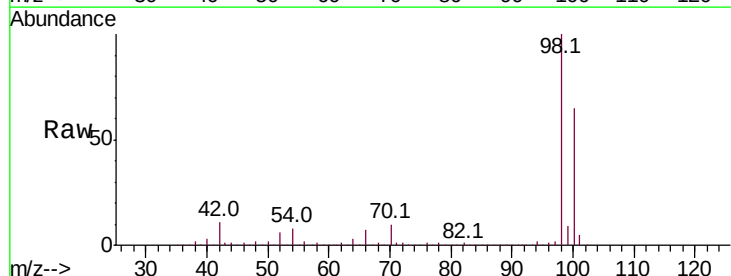
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 53.608 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

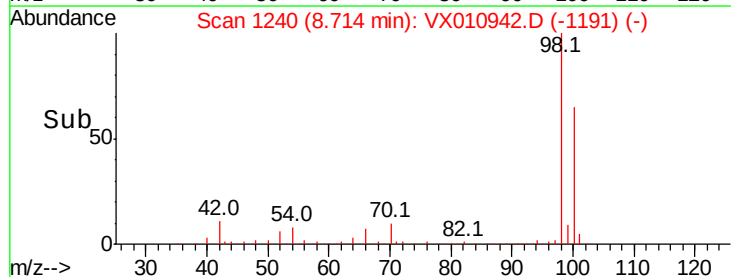
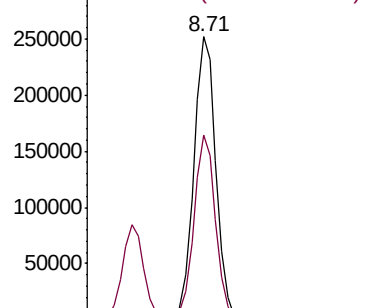
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.6	75.8

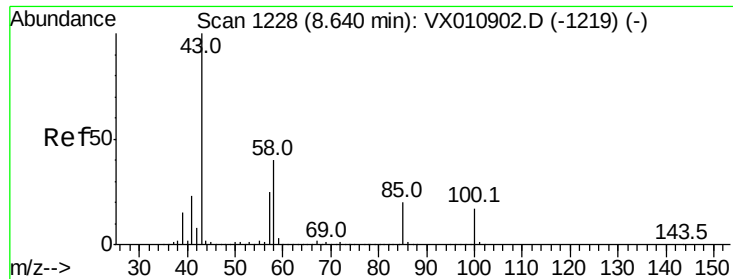


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 270.695 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190716MS

Tot Ion: 43 Resp: 746763

Ion Ratio Lower Upper

43 100

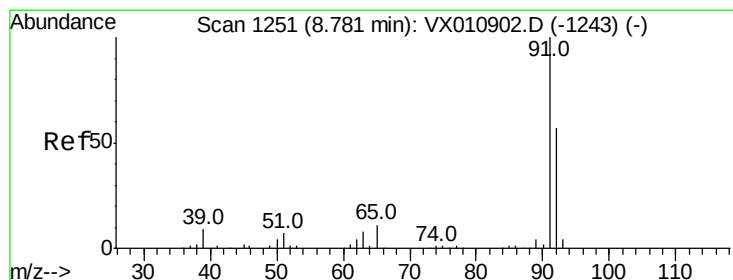
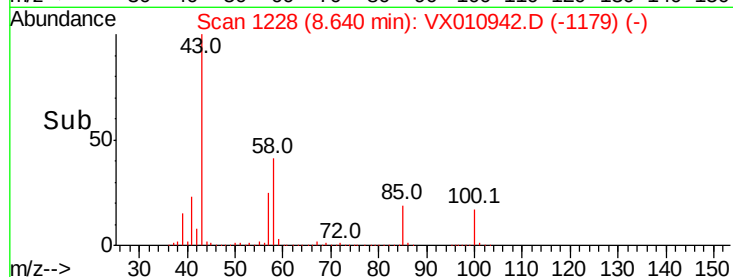
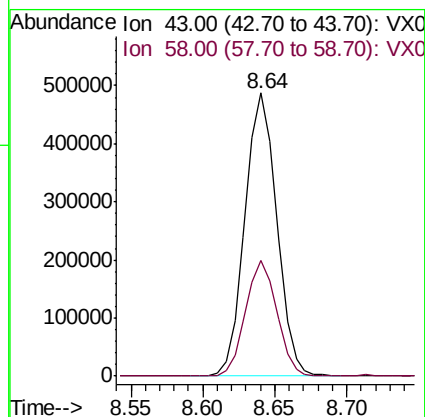
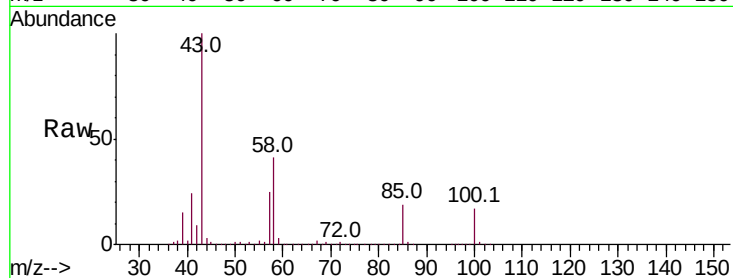
58 40.2 32.2 48.4

Manual Integrations

APPROVED

MMDadoda

7/22/2019 10:58:12 AM



#52

Toluene

Concen: 51.808 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX010942.D

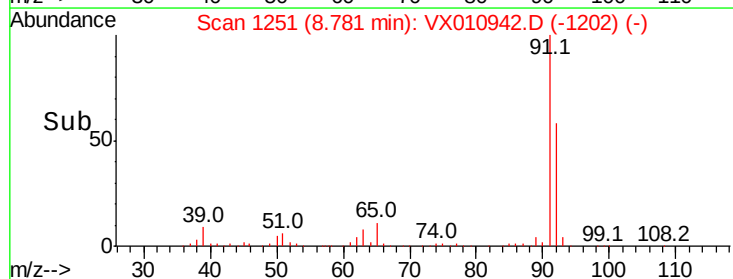
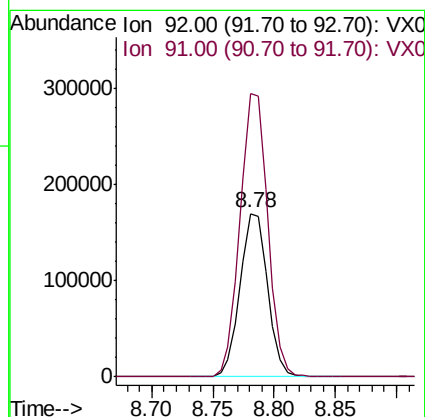
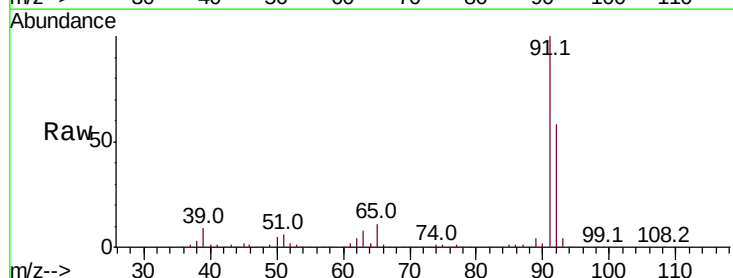
Acq: 17 Jul 2019 17:39

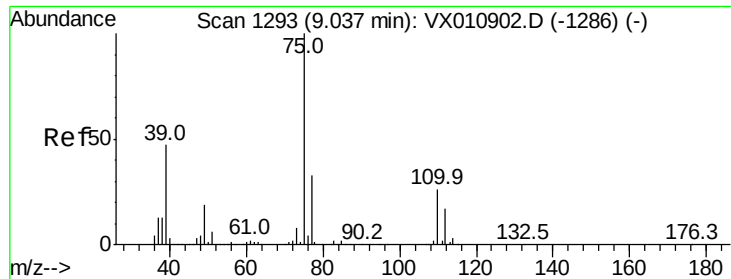
Tgt Ion: 92 Resp: 263504

Ion Ratio Lower Upper

92 100

91 175.8 139.4 209.0





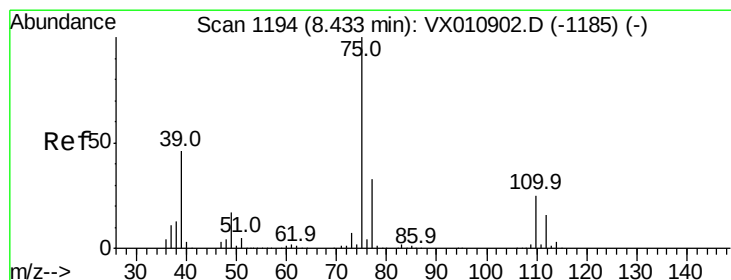
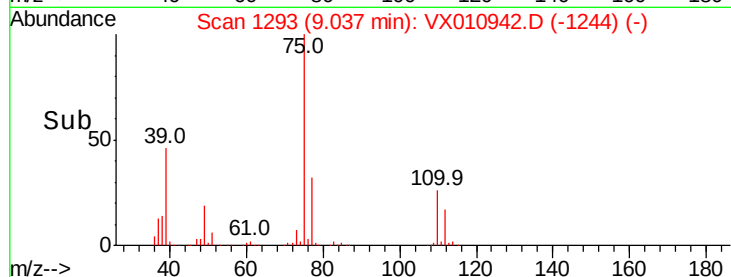
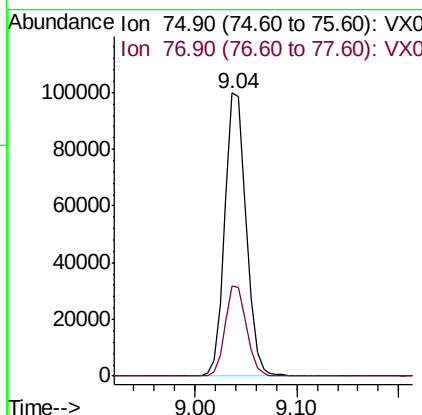
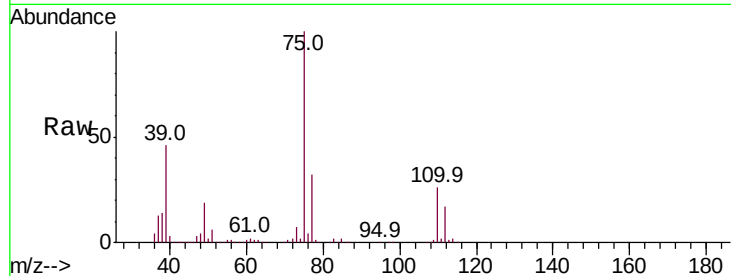
#53
t-1,3-Dichloropropene
Concen: 53.776 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190716MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.2	39.2

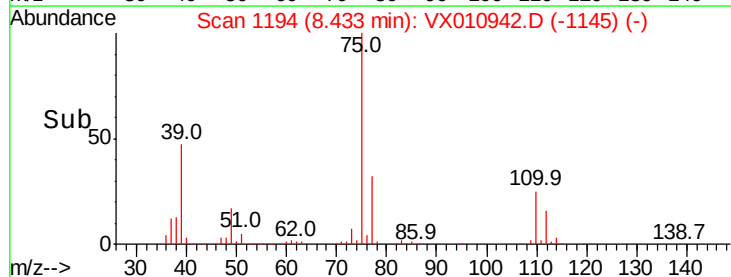
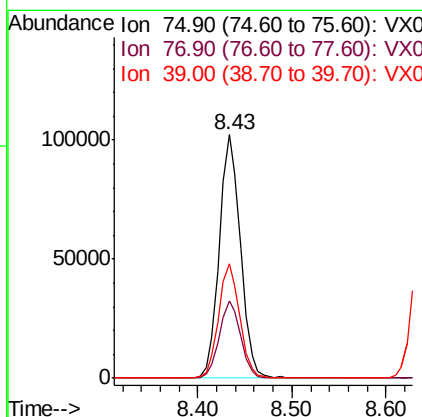
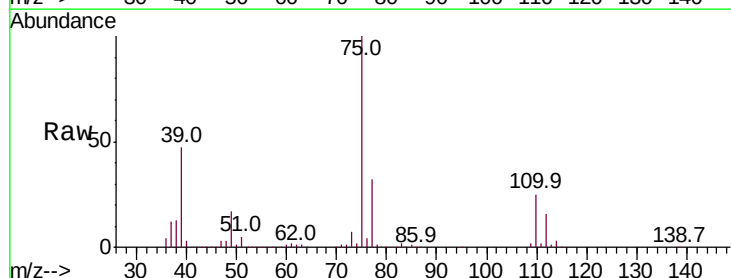
Manual Integrations
APPROVED

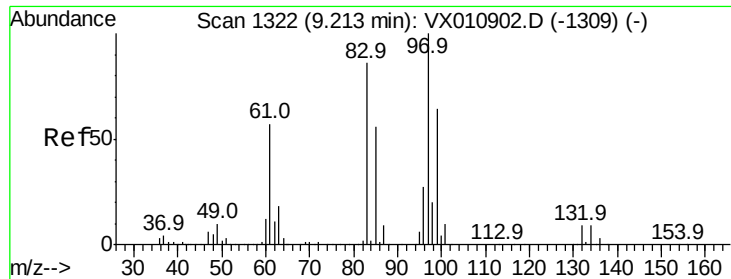
MMDadoda
7/22/2019 10:58:12 AM



#54
cis-1,3-Dichloropropene
Concen: 53.029 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.1	39.1
39	47.0	36.6	54.8





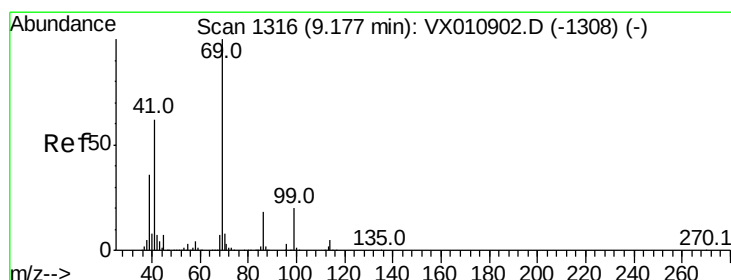
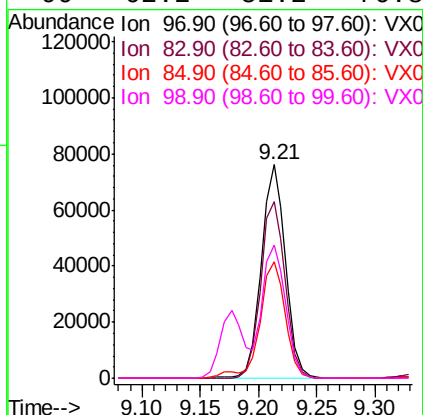
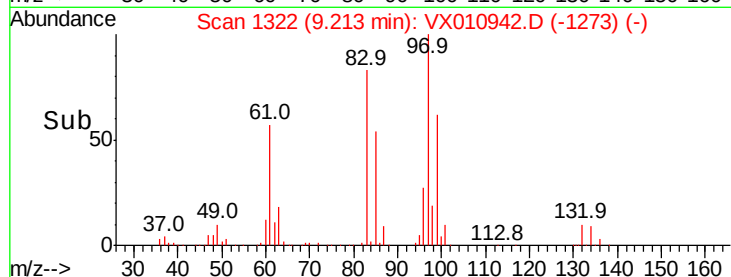
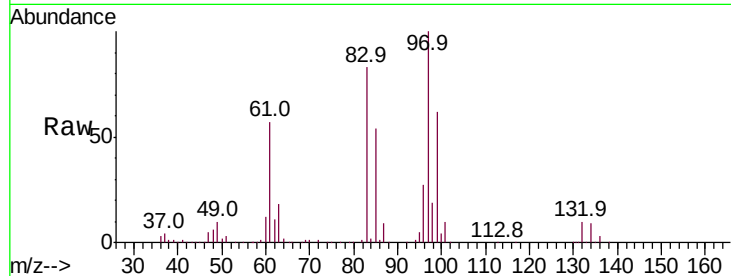
#55
 1,1,2-Trichloroethane
 Concen: 52.629 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190716MS

Tot Ion	Ratio	Resp	Lower	Upper
97	100	110216		
83	82.8	69.2	103.8	
85	54.3	44.6	66.8	
99	62.2	51.2	76.8	

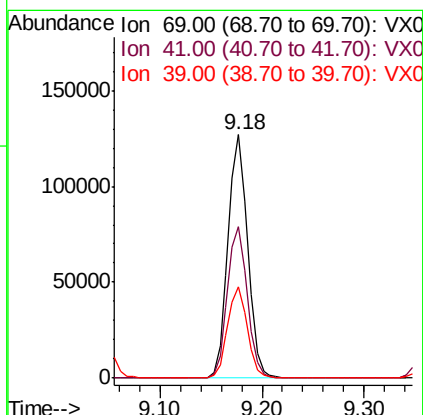
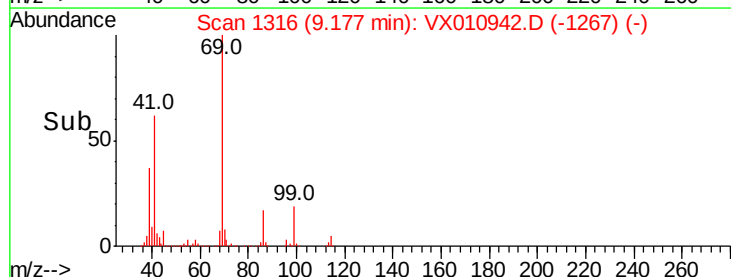
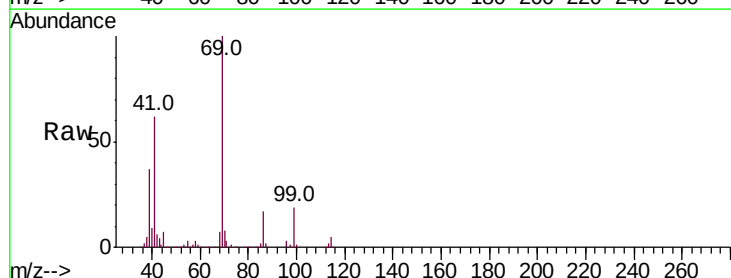
Manual Integrations
 APPROVED

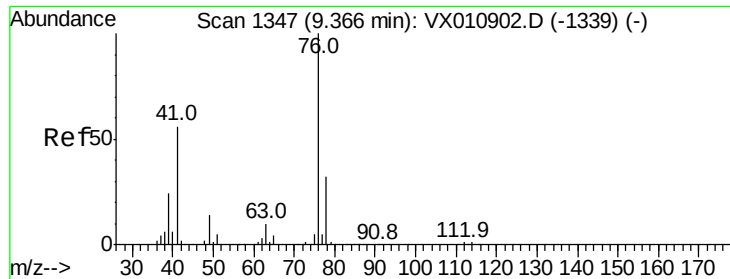
MMDadoda
 7/22/2019 10:58:12 AM



#56
 Ethyl methacrylate
 Concen: 55.233 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	169197		
41	62.4	49.7	74.5	
39	37.4	29.6	44.4	





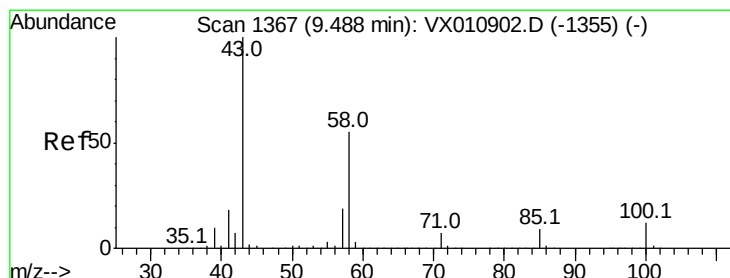
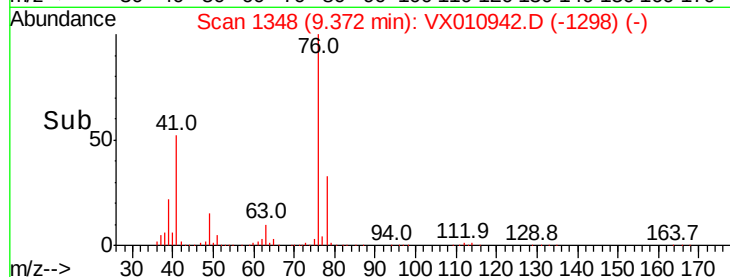
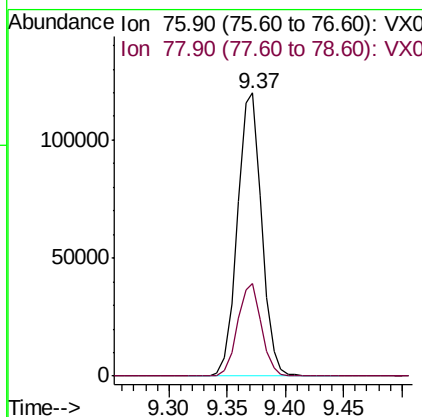
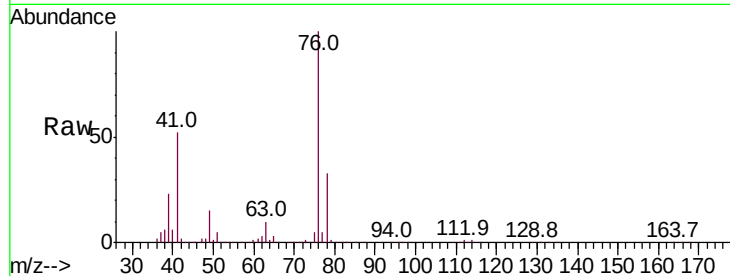
#57
 1,3-Dichloropropane
 Concen: 52.277 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190716MS

Tot Ion: 76 Resp: 173675
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4

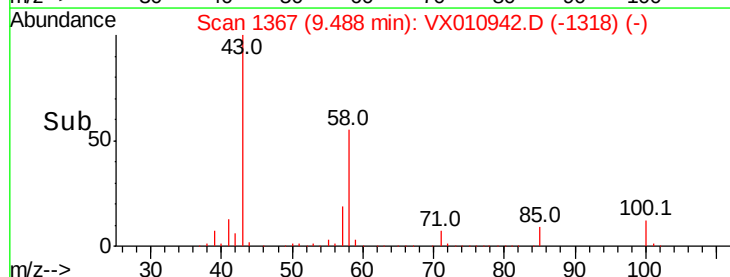
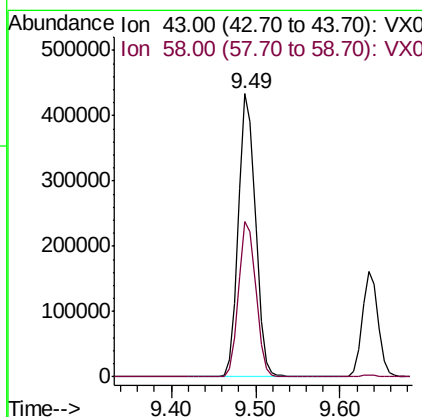
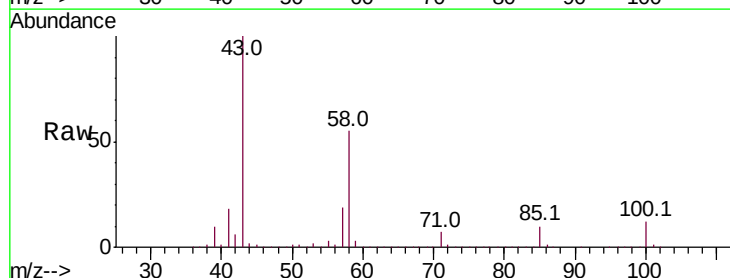
Manual Integrations
 APPROVED

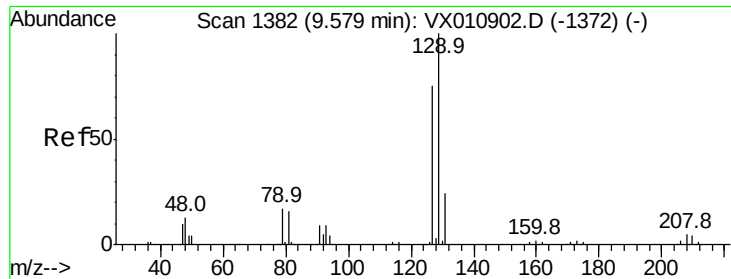
MMDadoda
 7/22/2019 10:58:12 AM



#59
 2-Hexanone
 Concen: 274.654 ug/l
 RT: 9.49 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Tgt Ion: 43 Resp: 587673
 Ion Ratio Lower Upper
 43 100
 58 55.4 28.0 83.9





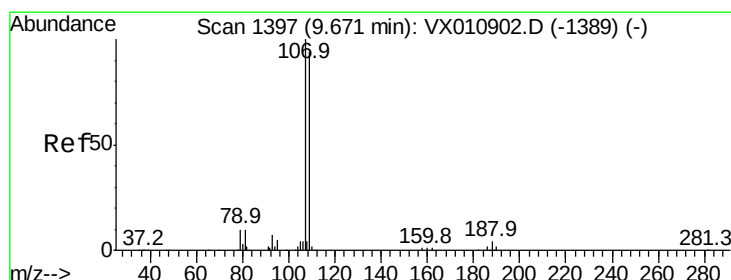
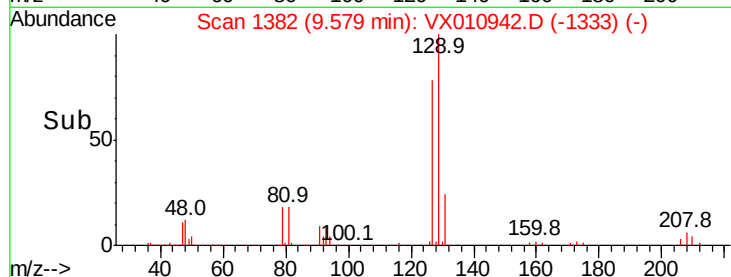
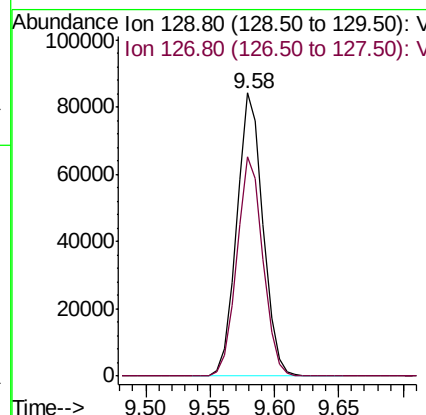
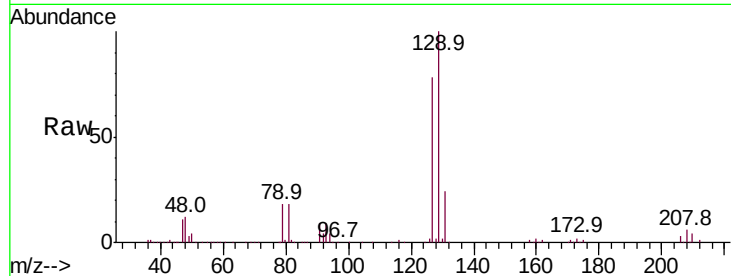
#60
Dibromochloromethane
Concen: 49.478 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190716MS

Tot Ion:129 Resp: 119184
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8

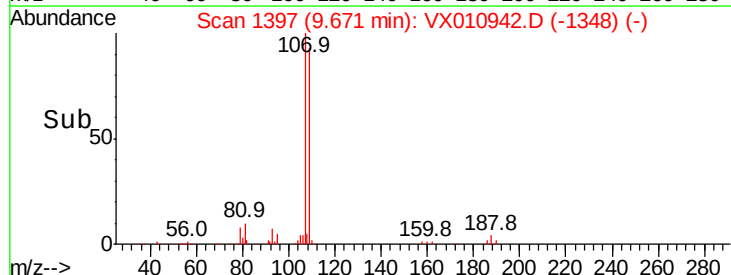
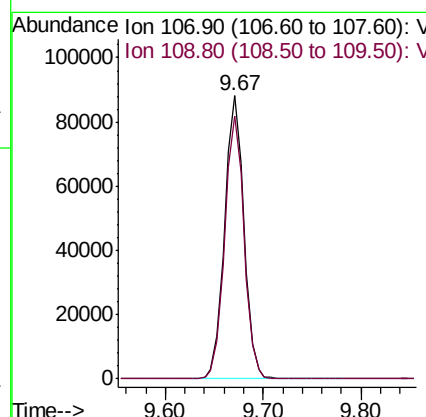
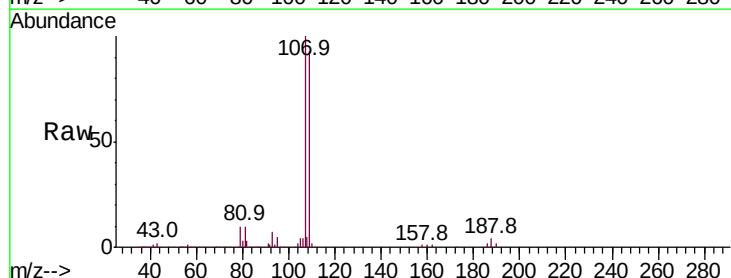
Manual Integrations
APPROVED

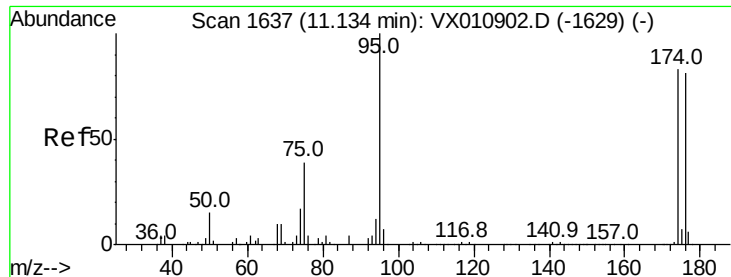
MMDadoda
7/22/2019 10:58:12 AM



#61
1,2-Dibromoethane
Concen: 54.222 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Tgt Ion:107 Resp: 120510
Ion Ratio Lower Upper
107 100
109 93.5 75.4 113.0





#62

4-Bromofluorobenzene

Concen: 54.559 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190716MS

Tot Ion: 95 Resp: 146903

Ion Ratio Lower Upper

95 100

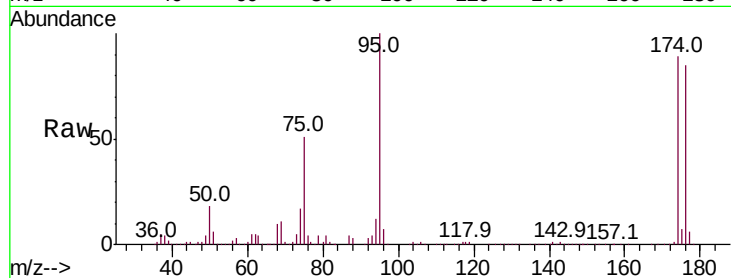
174 91.1 0.0 180.6

176 87.6 0.0 173.8

Manual Integrations
APPROVED

MMDadoda

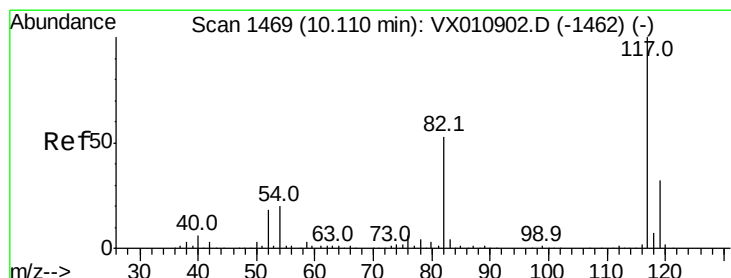
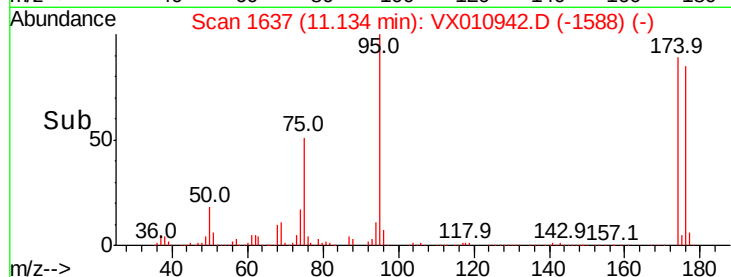
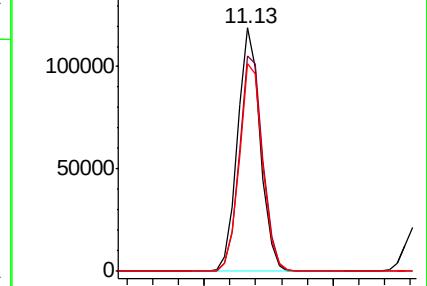
7/22/2019 10:58:12 AM



Abundance Ion 94.90 (94.60 to 95.60): VX010902.D (-1629) (-)

Ion 173.80 (173.50 to 174.50): VX010902.D (-1629) (-)

Ion 175.80 (175.50 to 176.50): VX010902.D (-1629) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

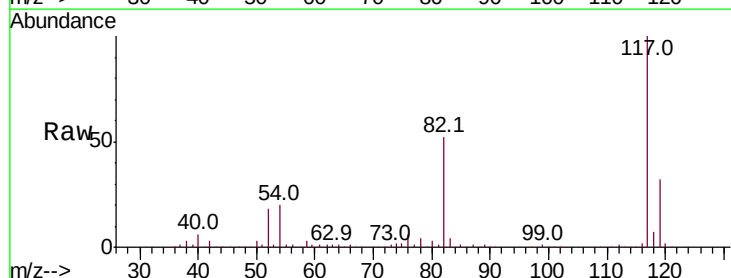
Tgt Ion: 117 Resp: 285267

Ion Ratio Lower Upper

117 100

82 52.3 42.6 63.8

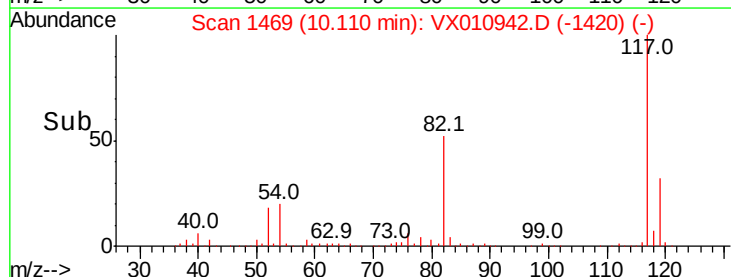
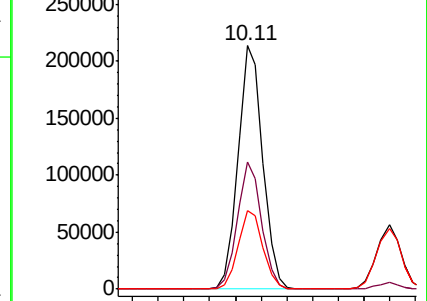
119 32.1 25.9 38.9

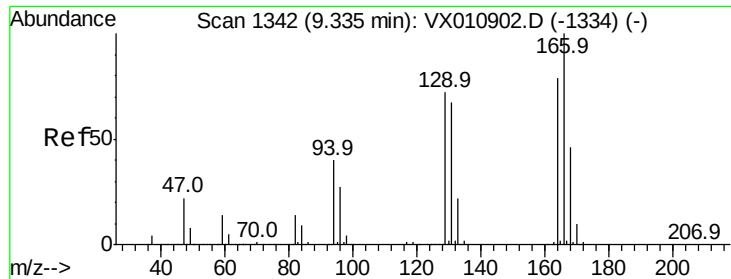


Abundance Ion 116.90 (116.60 to 117.60): VX010902.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010902.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010902.D (-1462) (-)





#64

Tetrachloroethene

Concen: 48.185 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190716MS

Tot Ion:164 Resp: 108133

Ion Ratio Lower Upper

164 100

166 128.9 100.8 151.2

129 89.8 72.6 109.0

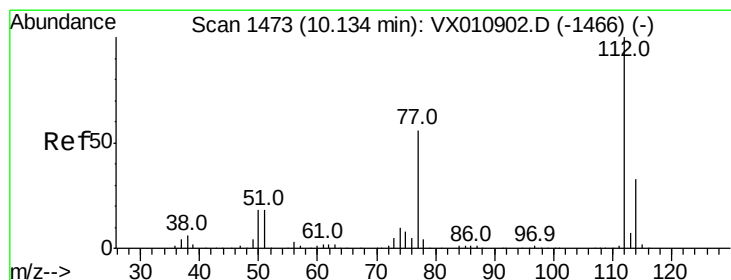
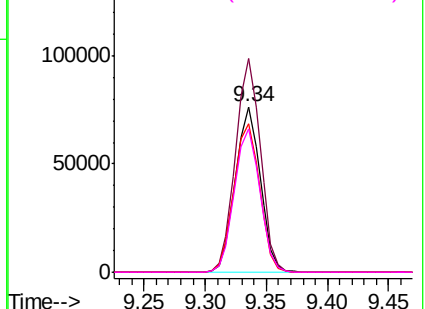
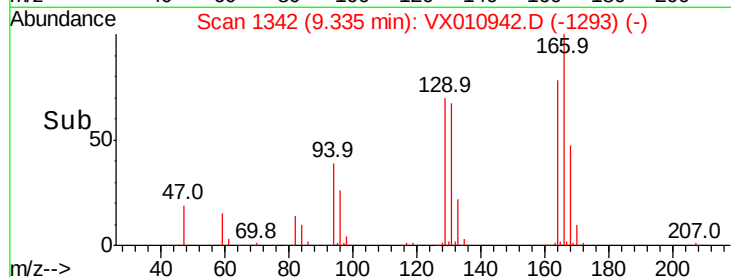
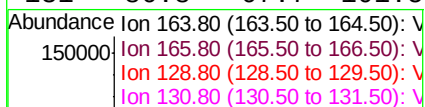
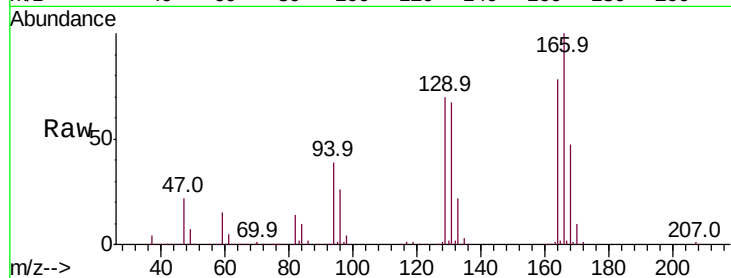
131 86.8 67.7 101.5

Manual Integrations

APPROVED

MMDadoda

7/22/2019 10:58:12 AM



#65

Chlorobenzene

Concen: 51.094 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX010942.D

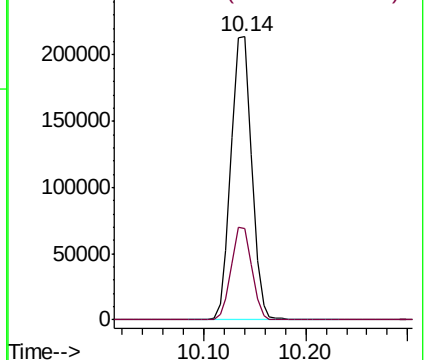
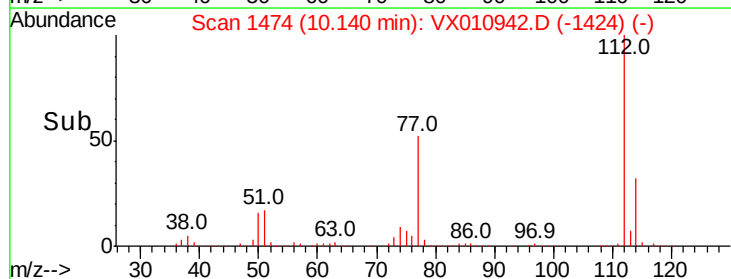
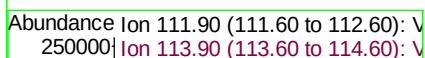
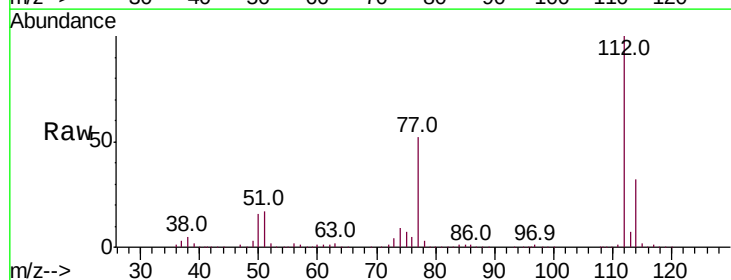
Acq: 17 Jul 2019 17:39

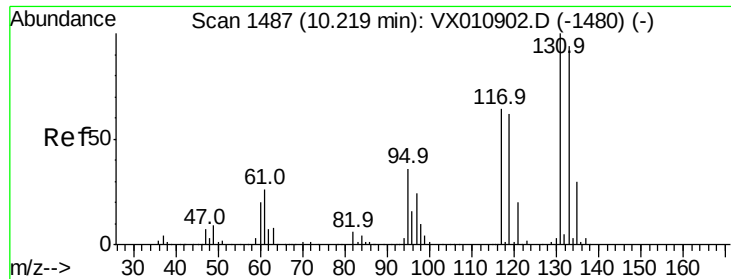
Tgt Ion:112 Resp: 299369

Ion Ratio Lower Upper

112 100

114 32.2 26.2 39.4





#66

1,1,1,2-Tetrachloroethane

Concen: 53.076 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

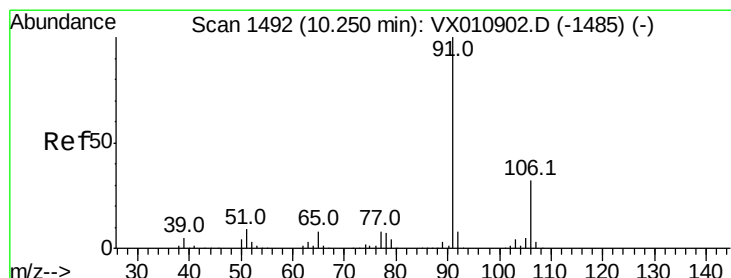
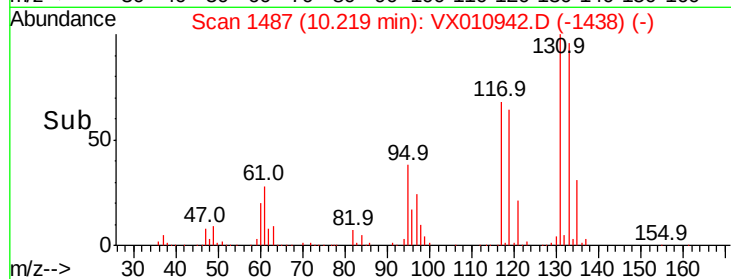
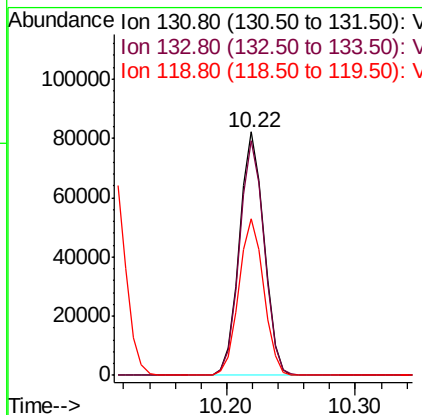
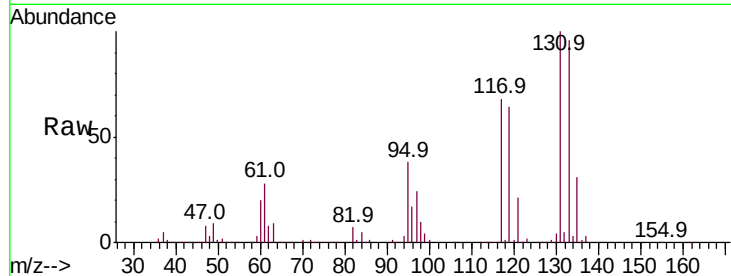
ClientSampleId :

SS050MW641-190716MS

Tot Ion:	131	Resp:	109295
Ion Ratio	Lower	Upper	
131	100		
133	96.2	47.1	141.4
119	65.0	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
7/22/2019 10:58:12 AM



#67

Ethyl Benzene

Concen: 52.010 ug/l

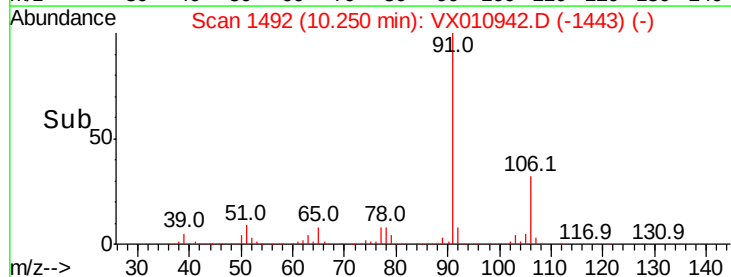
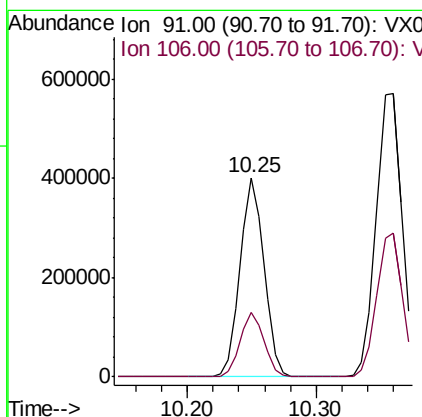
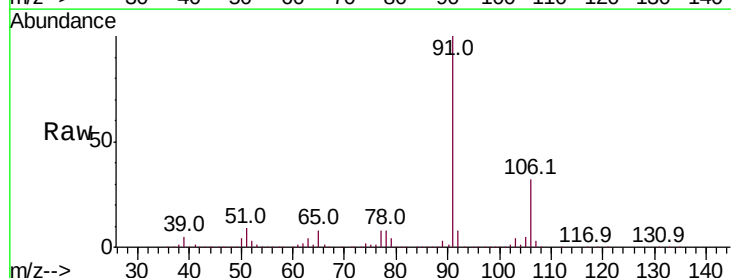
RT: 10.25 min Scan# 1492

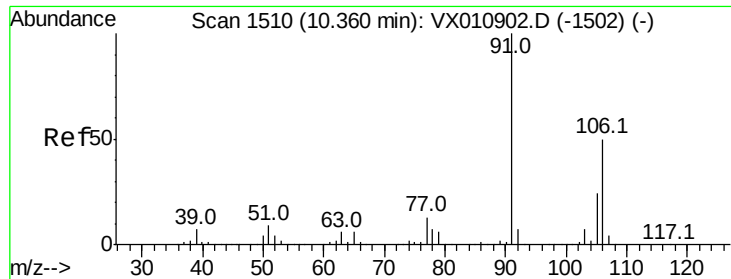
Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Tgt Ion:	91	Resp:	518691
Ion Ratio	Lower	Upper	
91	100		
106	32.5	25.4	38.2





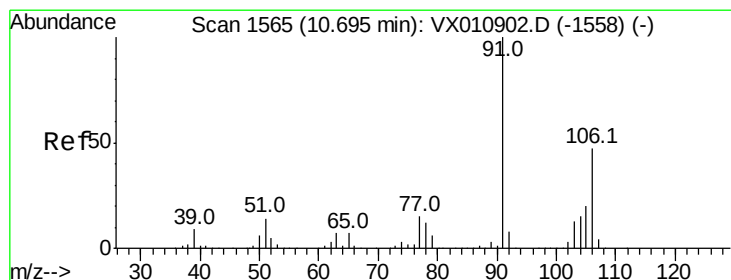
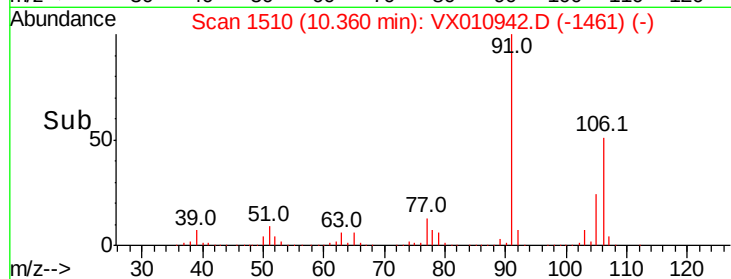
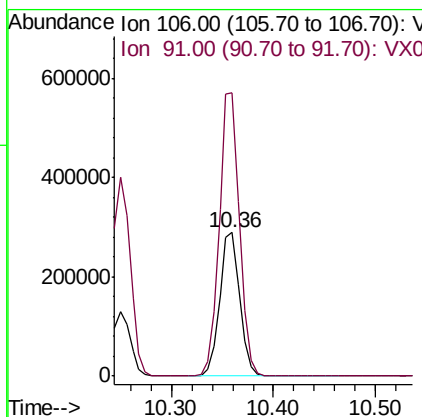
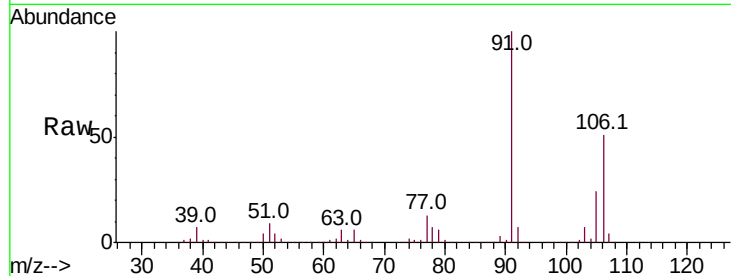
#68
m/p-Xylenes
Concen: 103.972 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190716MS

Tot Ion:106 Resp: 397751
Ion Ratio Lower Upper
106 100
91 199.5 160.1 240.1

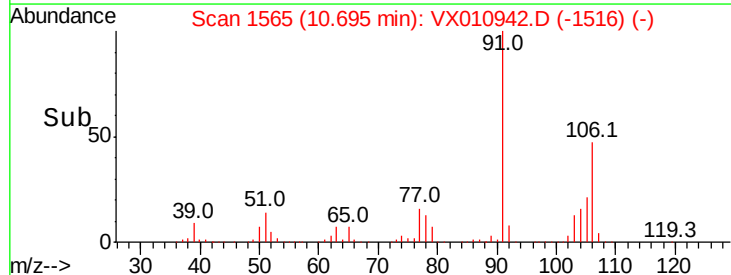
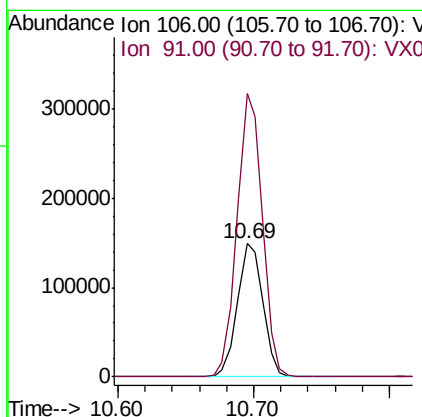
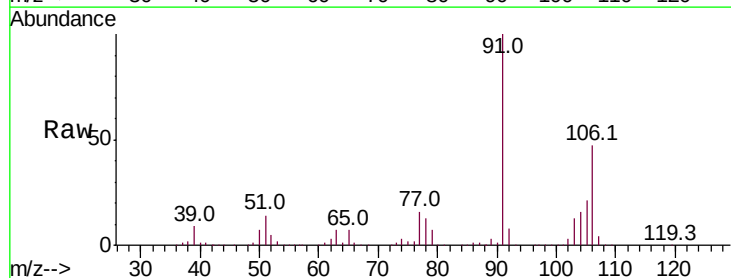
Manual Integrations
APPROVED

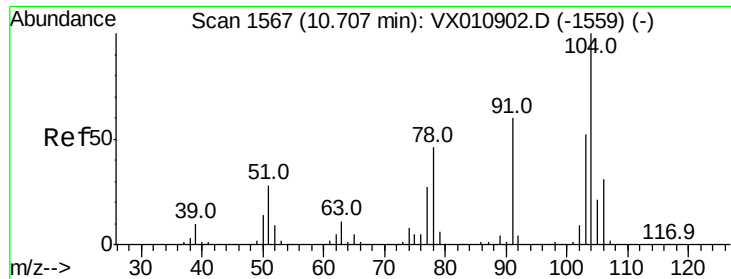
MMDadoda
7/22/2019 10:58:12 AM



#69
o-Xylene
Concen: 52.091 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Tgt Ion:106 Resp: 194486
Ion Ratio Lower Upper
106 100
91 210.9 105.1 315.3





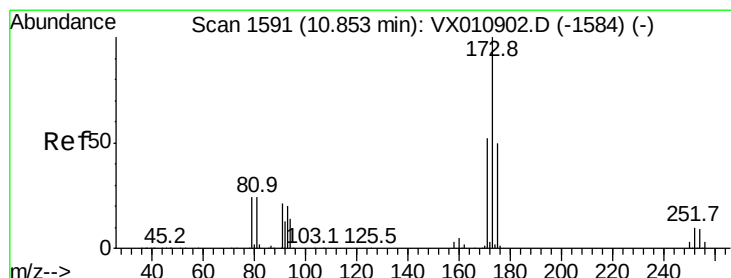
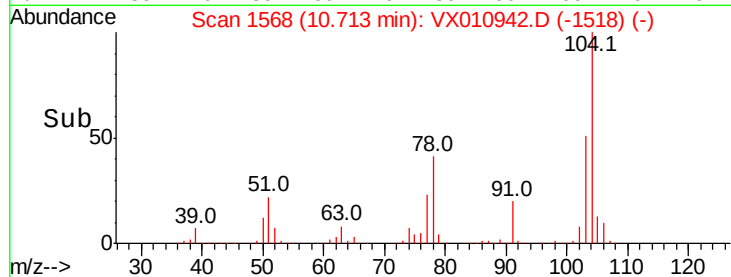
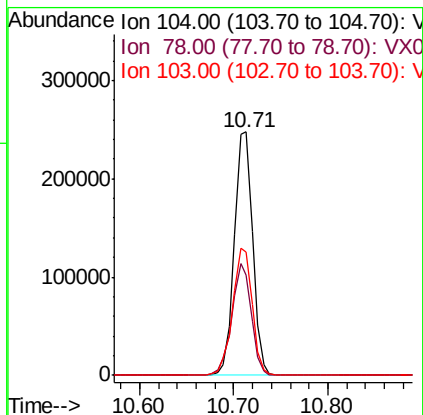
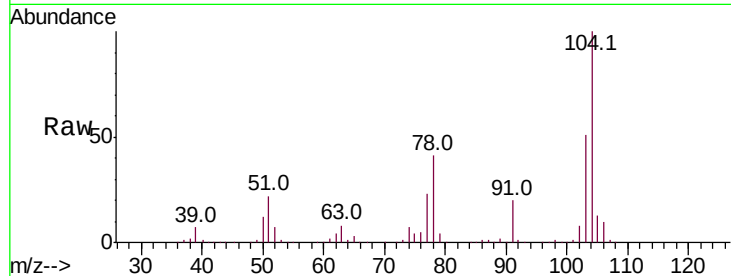
#70
Stvrene
Concen: 53.859 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190716MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.8	58.2
103	55.6	44.2	66.4

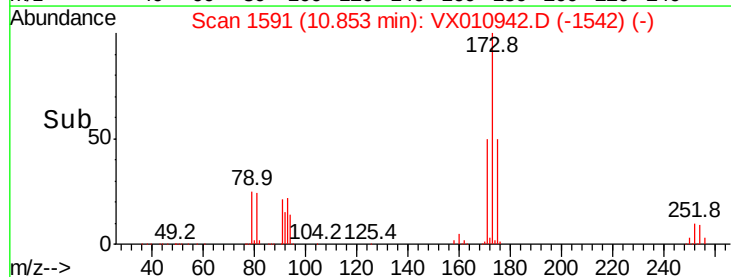
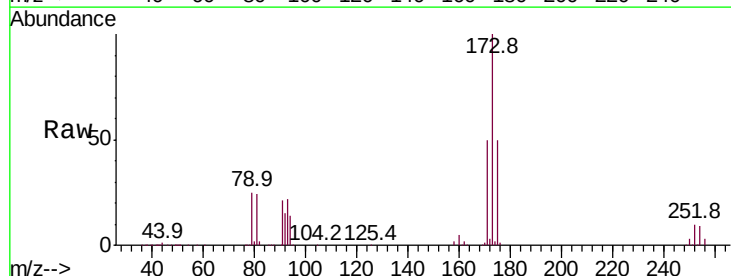
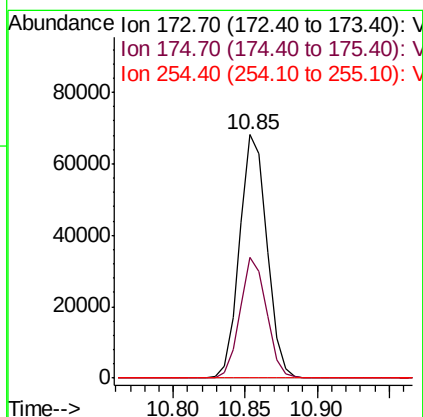
Manual Integrations
APPROVED

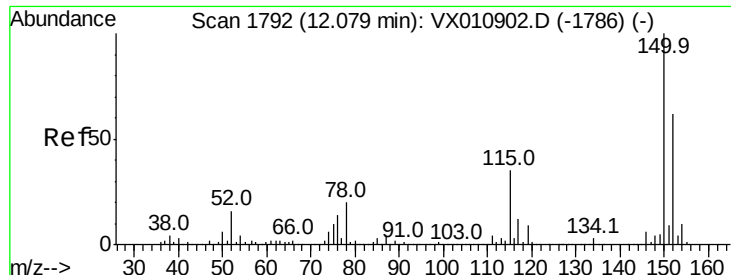
MMDadoda
7/22/2019 10:58:12 AM



#71
Bromoform
Concen: 48.000 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	73.6
254	0.1	0.1	0.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190716MS

Tot Ion:152 Resp: 151276

Ion Ratio Lower Upper

152 100

115 80.0 39.7 119.1

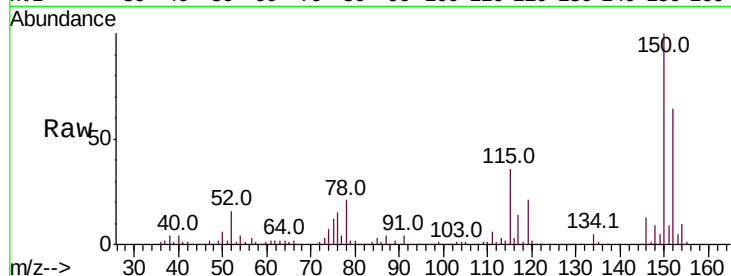
150 172.7 0.0 345.6

Manual Integrations

APPROVED

MMDadoda

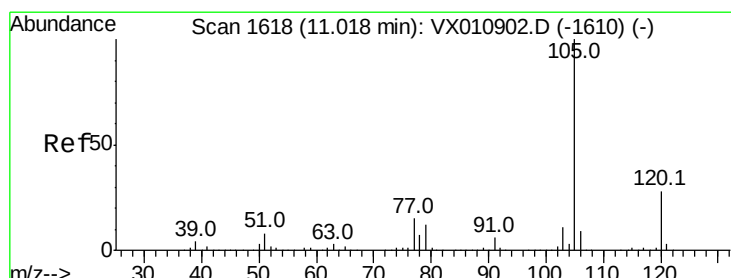
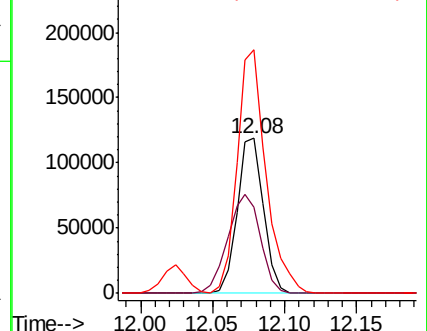
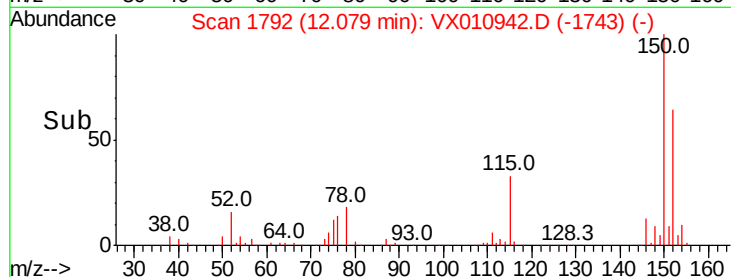
7/22/2019 10:58:12 AM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 51.423 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010942.D

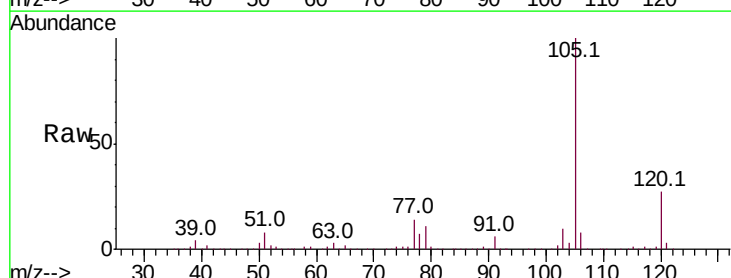
Acq: 17 Jul 2019 17:39

Tgt Ion:105 Resp: 525635

Ion Ratio Lower Upper

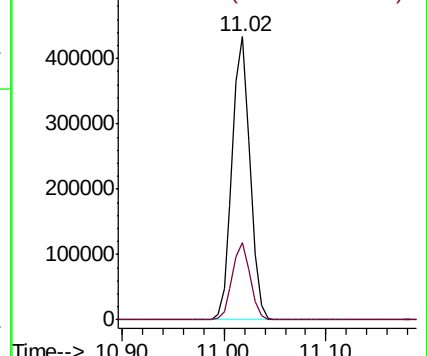
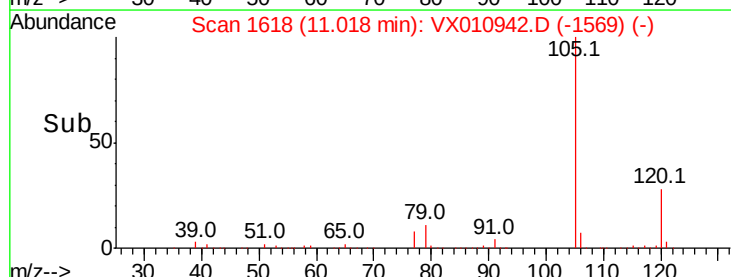
105 100

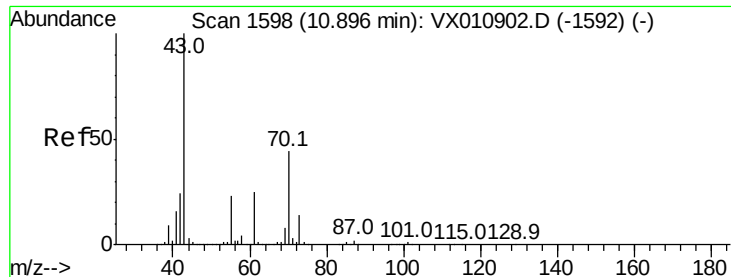
120 27.1 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 53.345 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

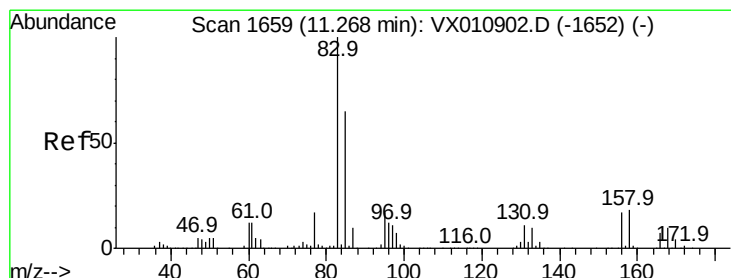
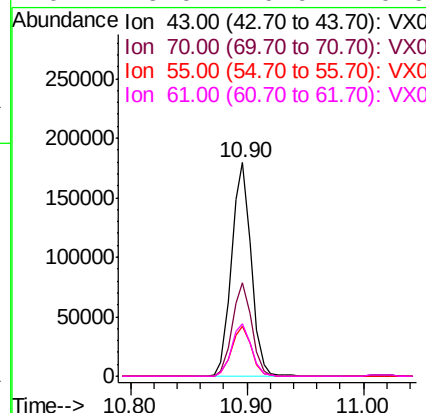
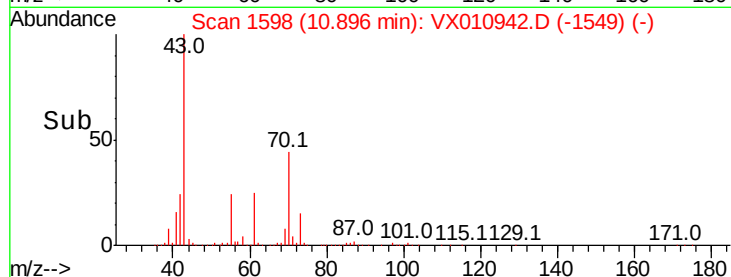
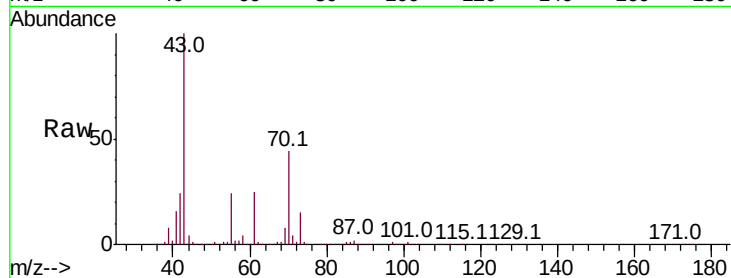
ClientSampleId :

SS050MW641-190716MS

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	43.8	34.7	52.1	
55	24.1	19.1	28.7	
61	25.0	19.9	29.9	

Manual Integrations
APPROVED

MMDadoda
7/22/2019 10:58:12 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 52.423 ug/l

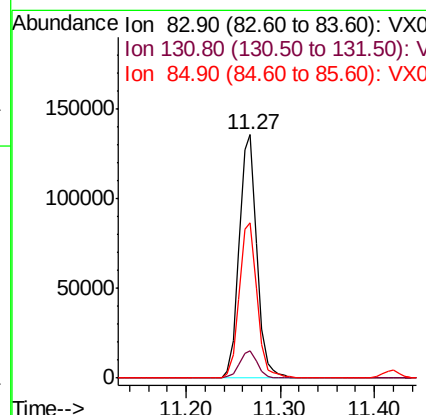
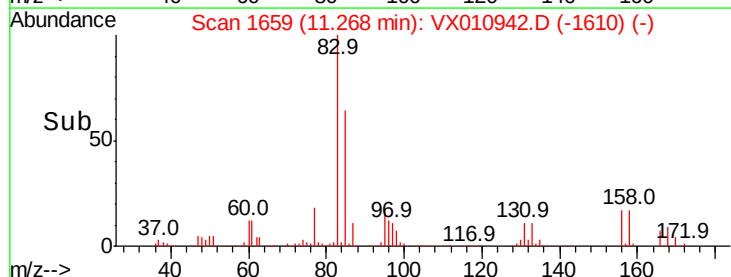
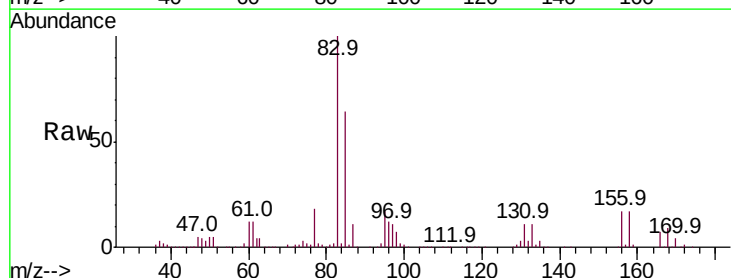
RT: 11.27 min Scan# 1659

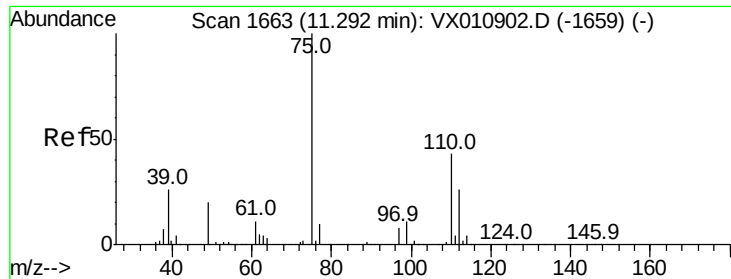
Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	11.3	5.5	16.4	
85	64.9	32.3	96.9	





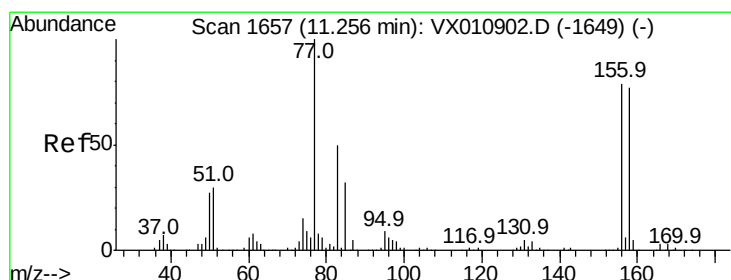
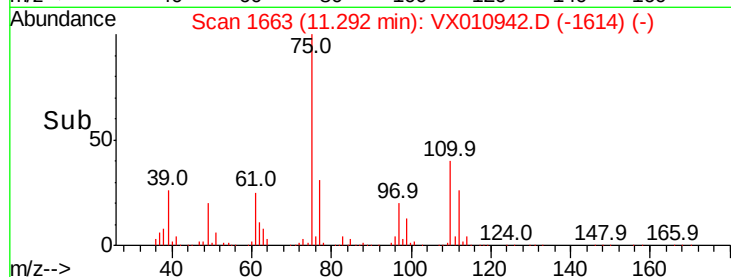
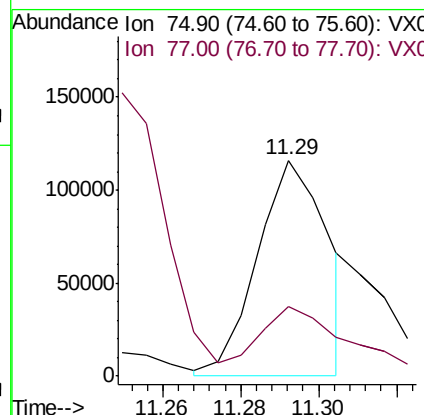
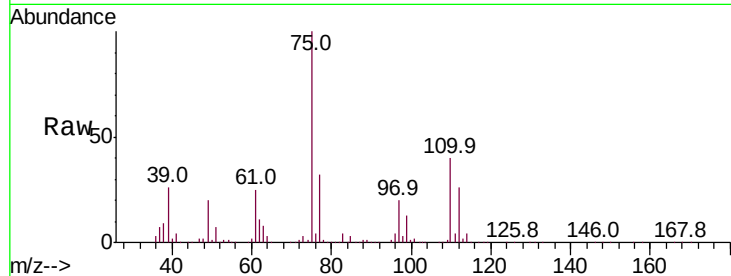
#76
 1,2,3-Trichloropropane
 Concen: 53.661 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190716MS

Tot Ion: 75 Resp: 146488
 Ion Ratio Lower Upper
 75 100
 77 41.4 21.3 64.0

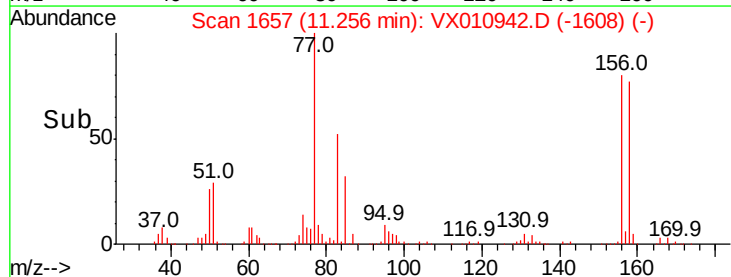
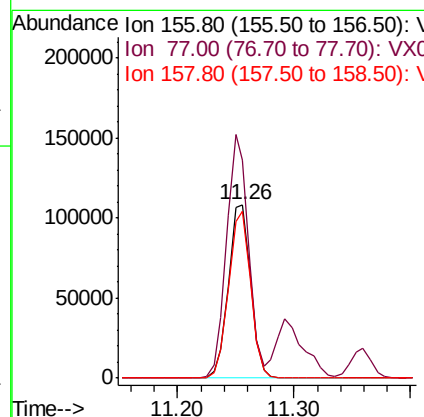
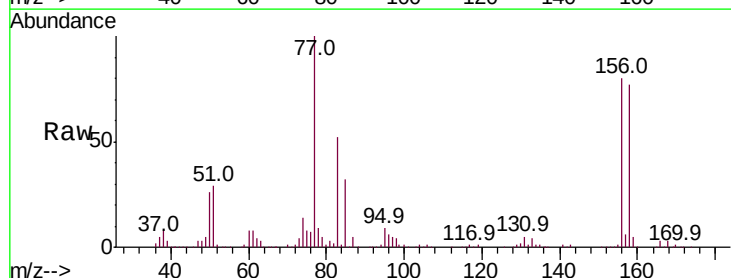
Manual Integrations
 APPROVED

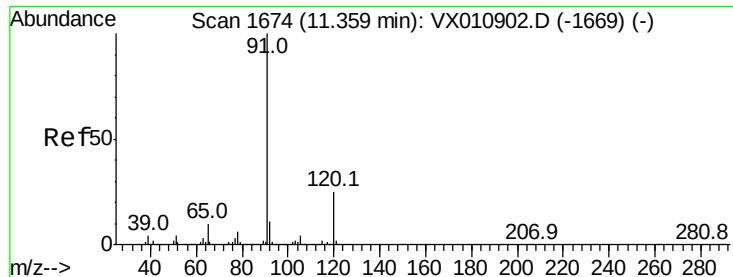
MMDadoda
 7/22/2019 10:58:12 AM



#77
 Bromobenzene
 Concen: 50.768 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Tgt Ion: 156 Resp: 143141
 Ion Ratio Lower Upper
 156 100
 77 137.7 68.7 206.1
 158 95.1 47.9 143.7





#78

n-propylbenzene

Concen: 51.910 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190716MS

Tot Ion: 91 Resp: 586282

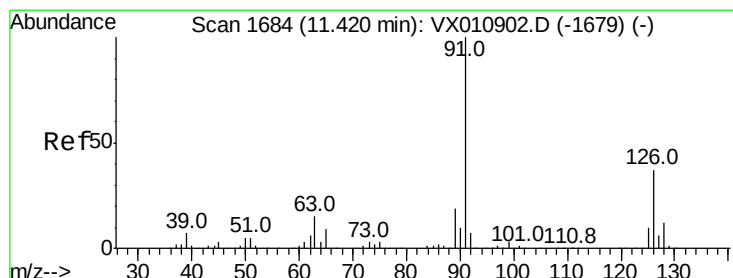
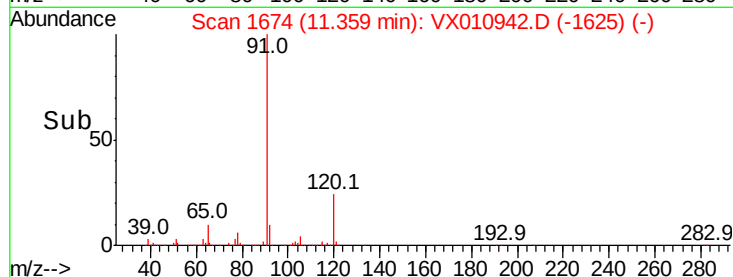
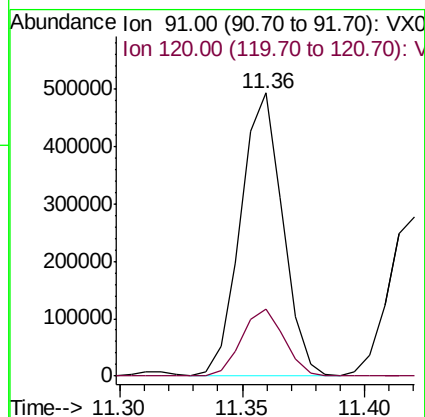
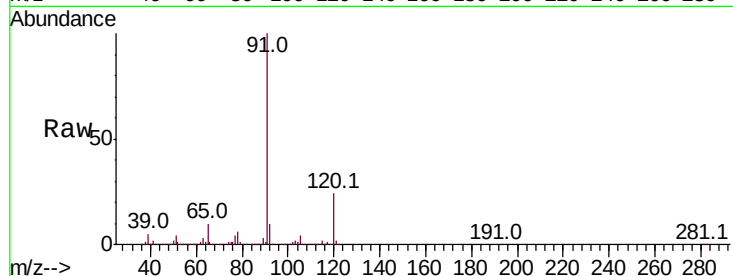
Ion Ratio Lower Upper

91 100

120 24.2 12.3 36.8

Manual Integrations
APPROVED

MMDadoda
7/22/2019 10:58:12 AM



#79

2-Chlorotoluene

Concen: 51.326 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010942.D

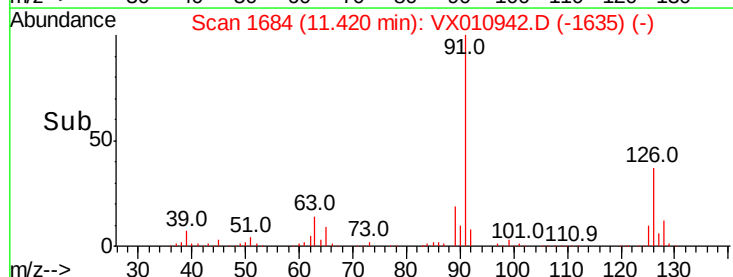
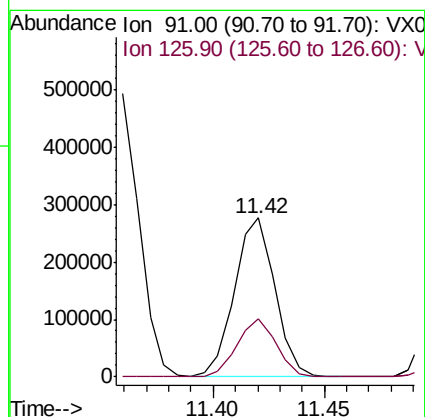
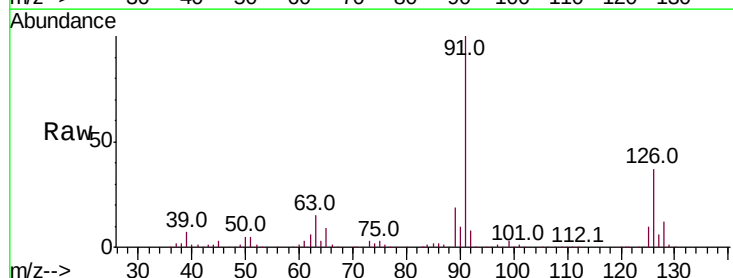
Acq: 17 Jul 2019 17:39

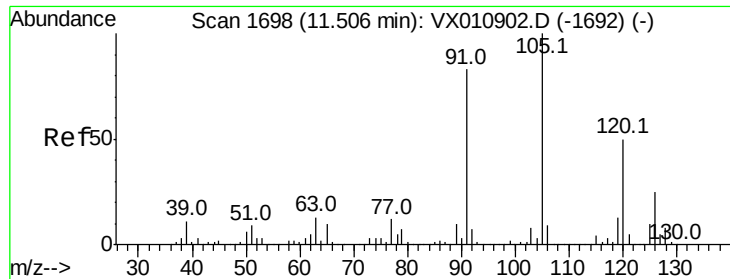
Tgt Ion: 91 Resp: 348231

Ion Ratio Lower Upper

91 100

126 36.0 18.0 54.0





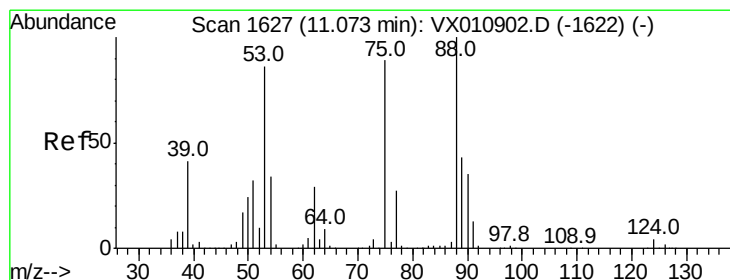
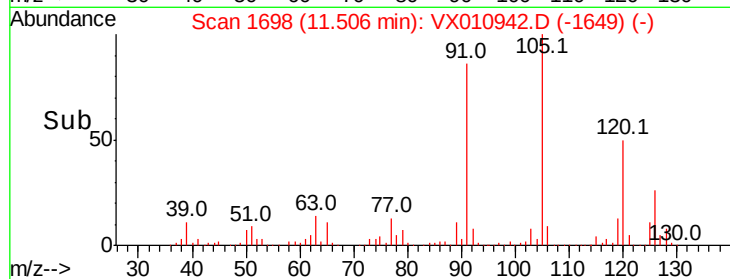
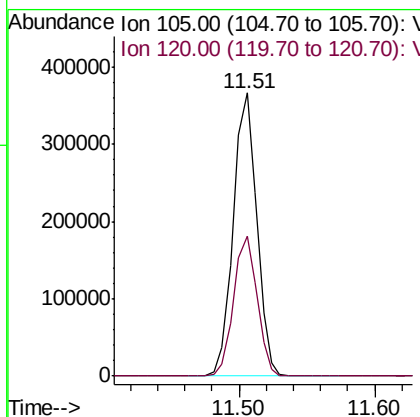
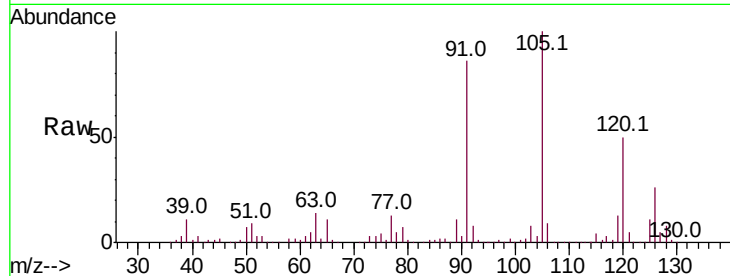
#80
 1,3,5-Trimethylbenzene
 Concen: 51.441 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190716MS

Tot Ion:105 Resp: 439372
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.6 73.8

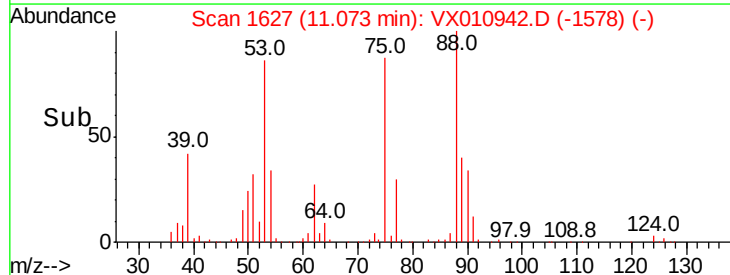
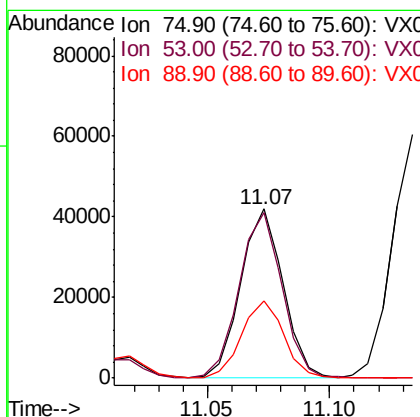
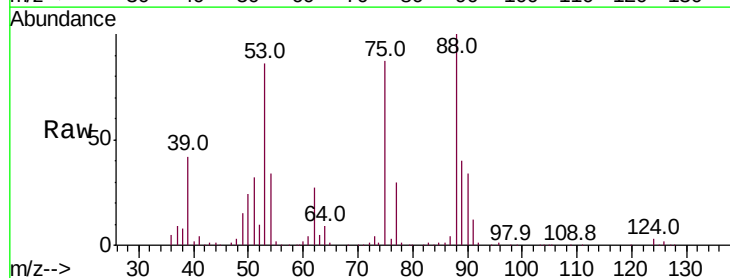
Manual Integrations
 APPROVED

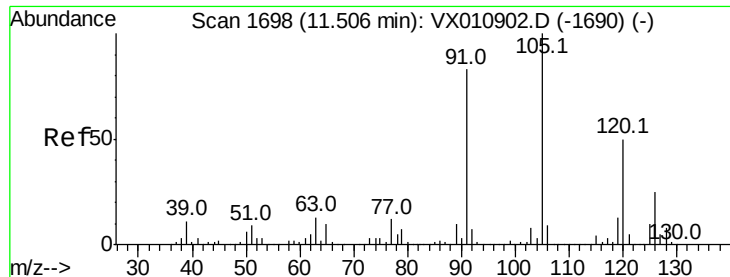
MMDadoda
 7/22/2019 10:58:12 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.864 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Tgt Ion: 75 Resp: 50203
 Ion Ratio Lower Upper
 75 100
 53 99.2 76.7 115.1
 89 45.9 38.5 57.7





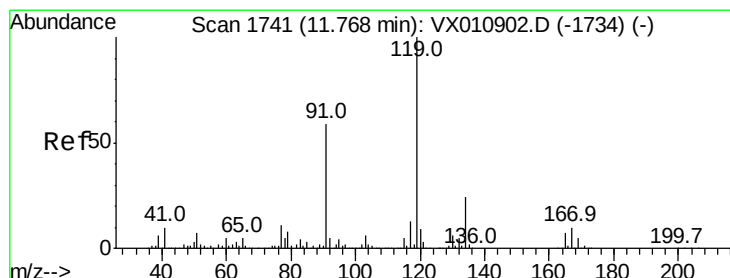
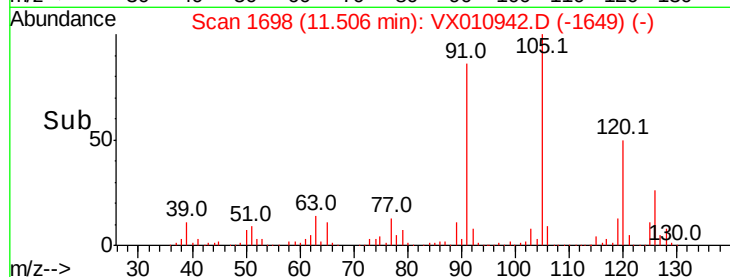
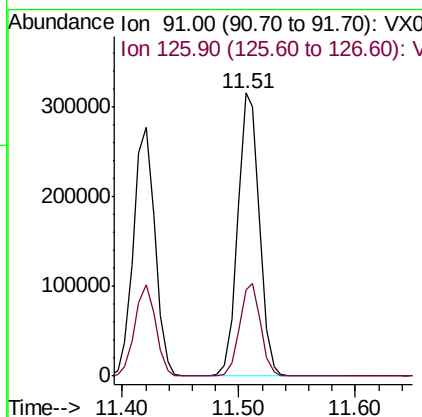
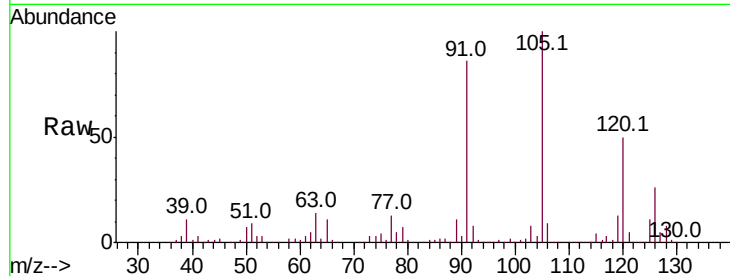
#82
4-Chlorotoluene
Concen: 51.417 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190716MS

Tot Ion: 91 Resp: 406018
Ion Ratio Lower Upper
91 100
126 32.0 15.9 47.7

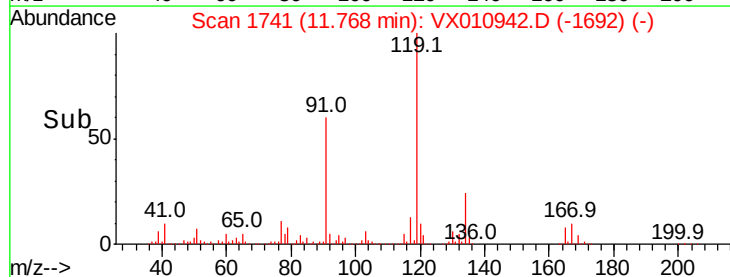
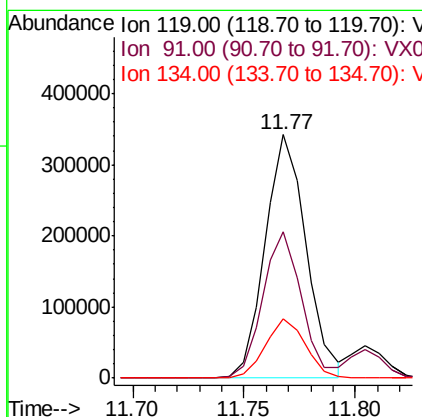
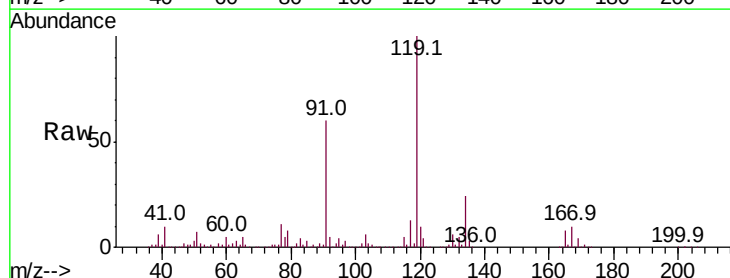
Manual Integrations
APPROVED

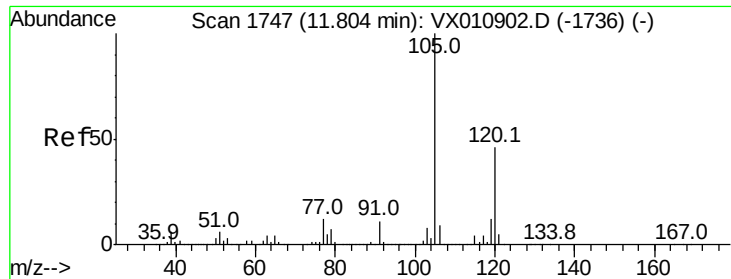
MMDadoda
7/22/2019 10:58:12 AM



#83
tert-Butylbenzene
Concen: 52.242 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Tgt Ion: 119 Resp: 438292
Ion Ratio Lower Upper
119 100
91 57.2 28.6 85.8
134 23.7 11.6 34.8





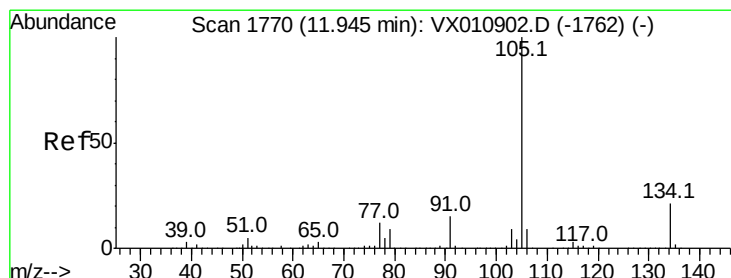
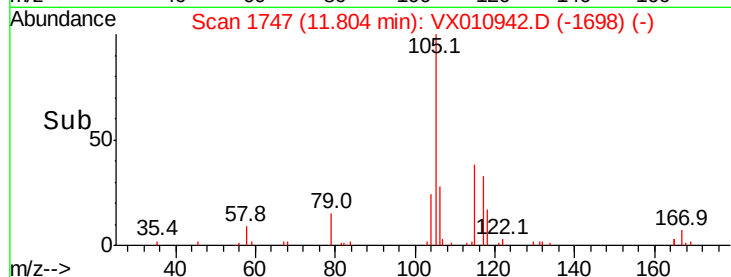
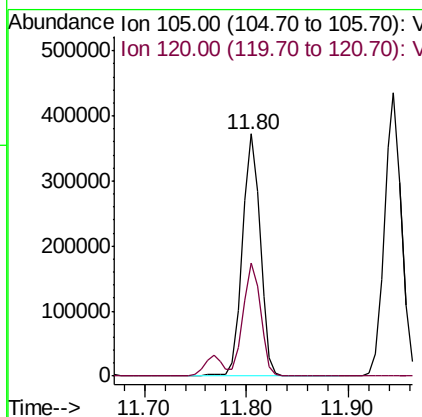
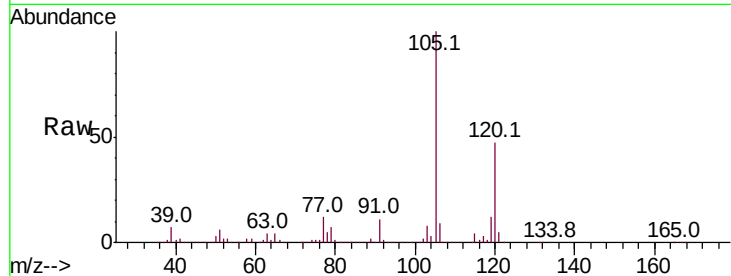
#84
 1,2,4-Trimethylbenzene
 Concen: 51.800 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190716MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.9	68.5

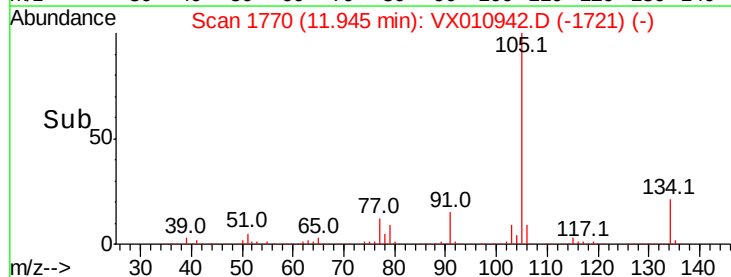
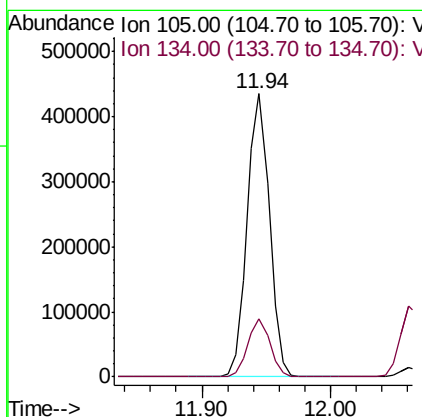
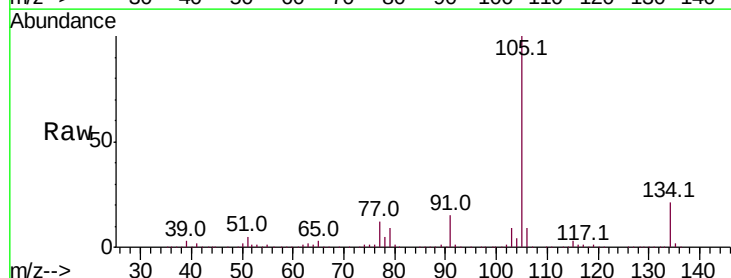
Manual Integrations
 APPROVED

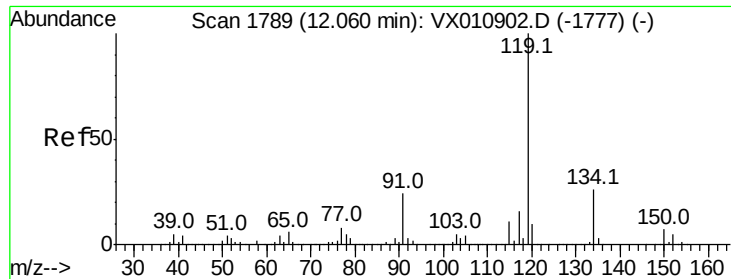
MMDadoda
 7/22/2019 10:58:12 AM



#85
 sec-Butylbenzene
 Concen: 52.408 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.4	31.4





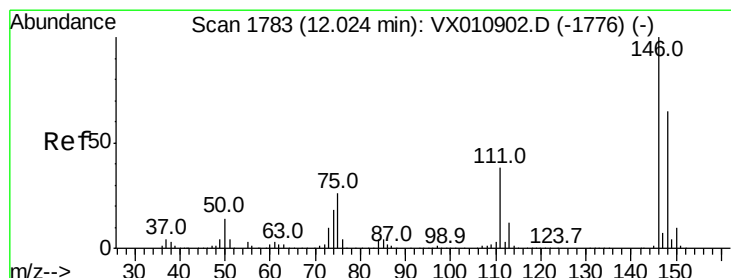
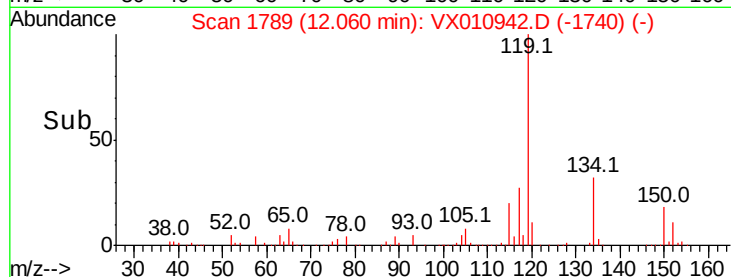
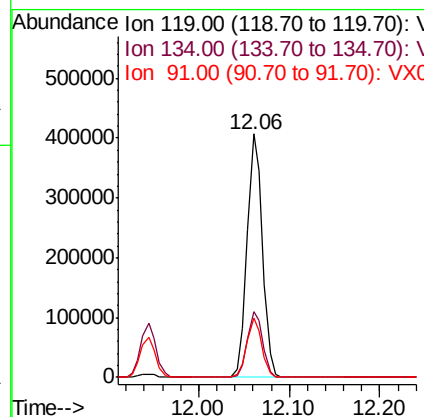
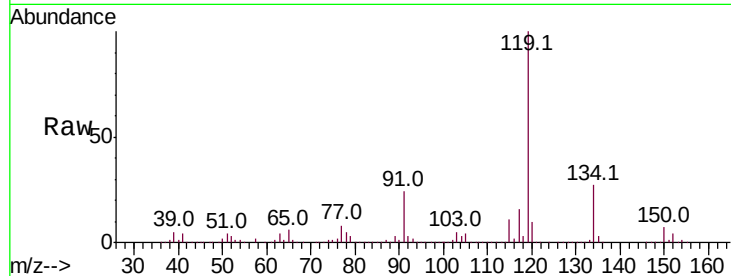
#86
 p-Isopropyltoluene
 Concen: 52.359 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190716MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	475851		
134	27.1		13.4	40.1
91	23.8		11.8	35.4

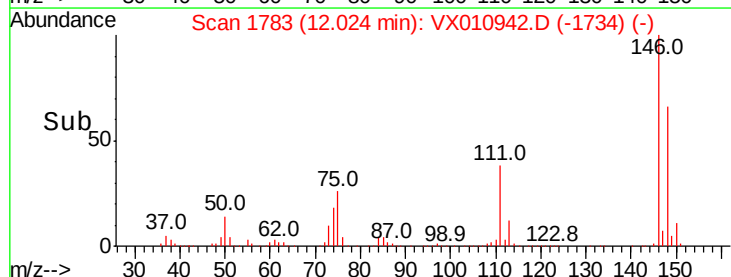
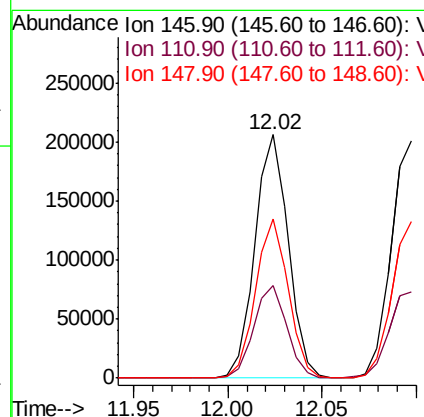
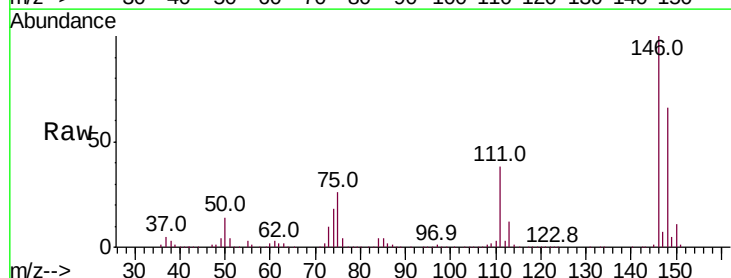
Manual Integrations
 APPROVED

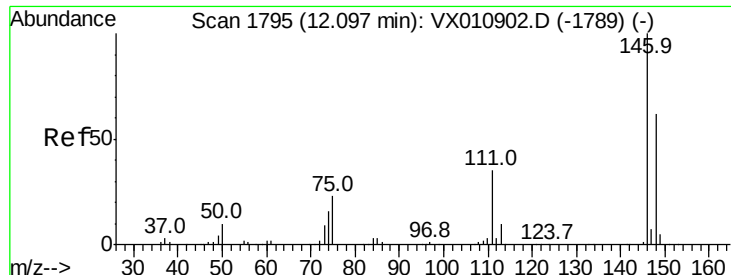
MMDadoda
 7/22/2019 10:58:12 AM



#87
 1,3-Dichlorobenzene
 Concen: 51.599 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	252474		
111	37.8		18.9	56.9
148	64.2		32.2	96.6





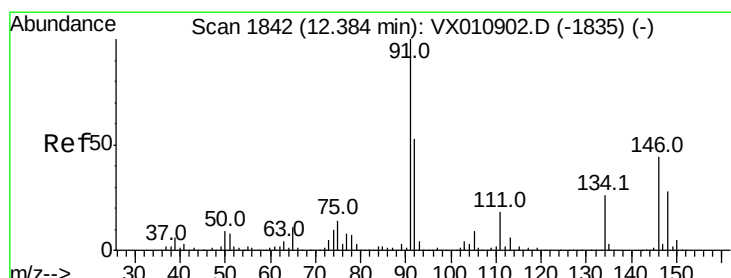
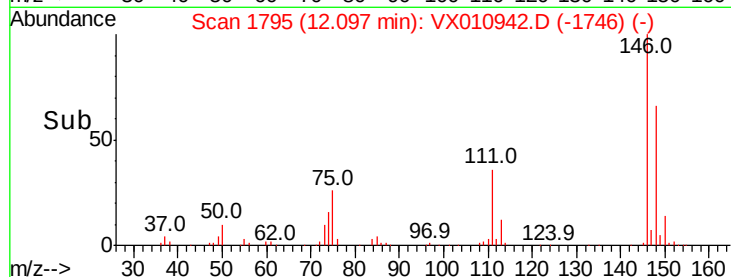
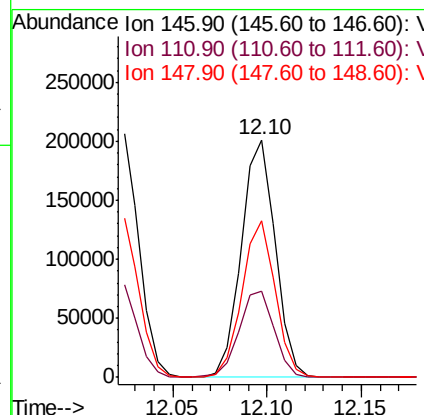
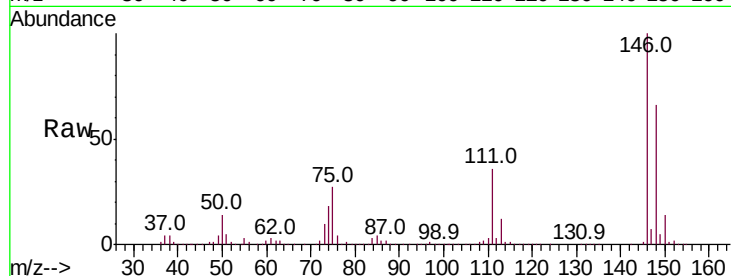
#88
 1,4-Dichlorobenzene
 Concen: 49.957 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190716MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.8
148	64.9	31.6	94.7

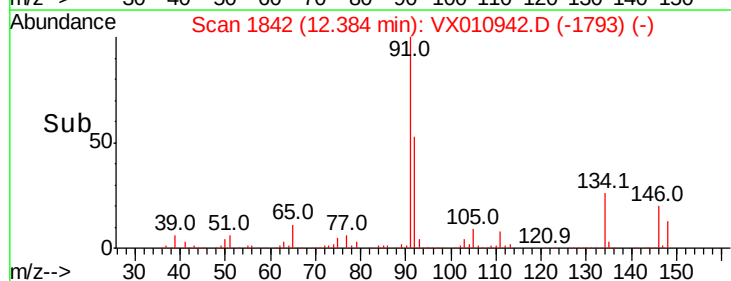
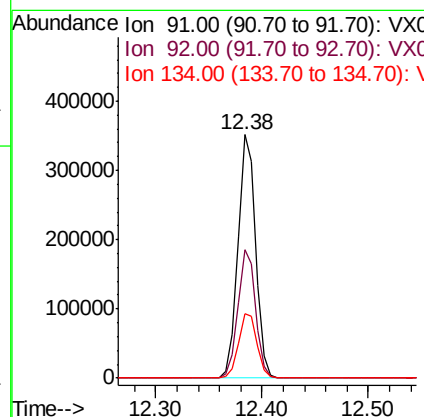
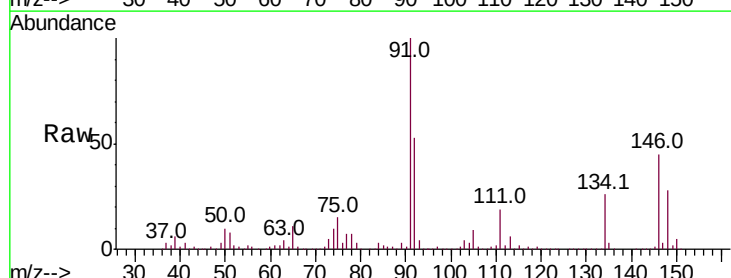
Manual Integrations
 APPROVED

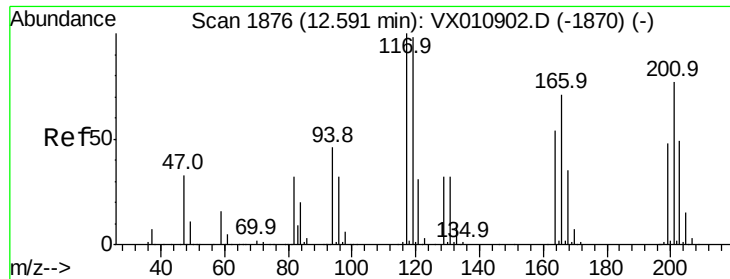
MMDadoda
 7/22/2019 10:58:12 AM



#89
 n-Butylbenzene
 Concen: 52.670 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	27.3	13.8	41.3





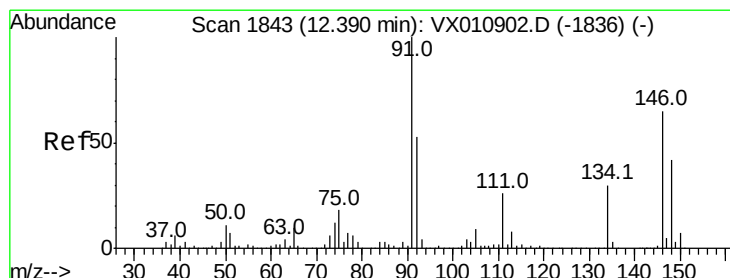
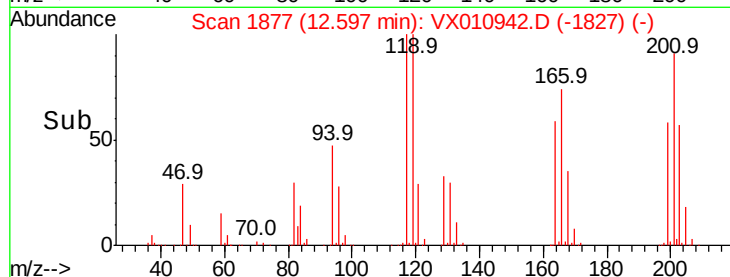
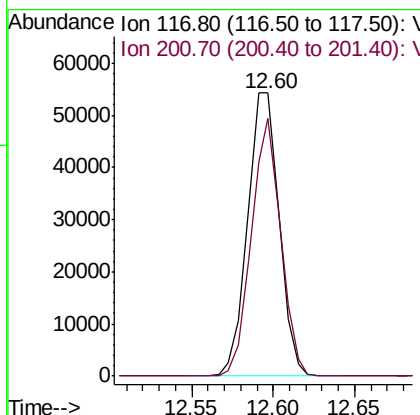
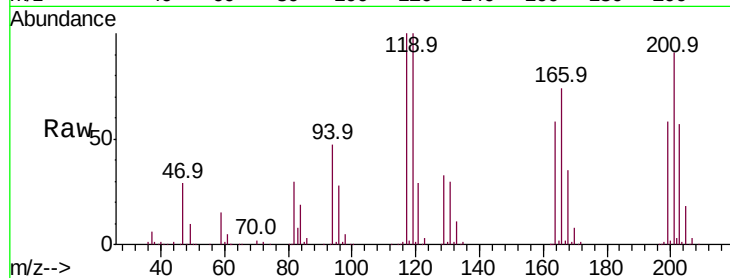
#90
Hexachloroethane
Concen: 51.247 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Instrument :
MSVOA_X
ClientSampleId :
SS050MW641-190716MS

Tot Ion:117 Resp: 73460
Ion Ratio Lower Upper
117 100
201 84.6 43.3 129.8

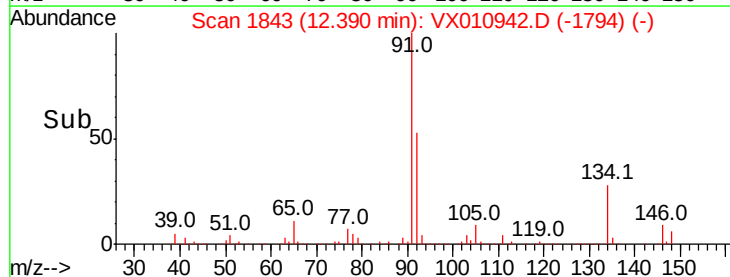
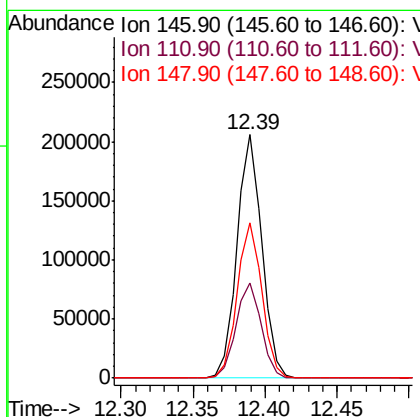
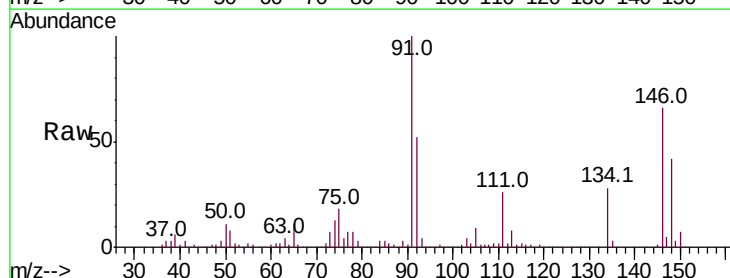
Manual Integrations
APPROVED

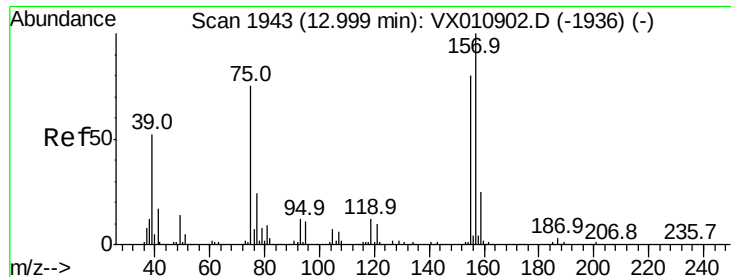
MMDadoda
7/22/2019 10:58:12 AM



#91
1,2-Dichlorobenzene
Concen: 51.049 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX010942.D
Acq: 17 Jul 2019 17:39

Tgt Ion:146 Resp: 247554
Ion Ratio Lower Upper
146 100
111 39.8 19.9 59.7
148 63.8 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 53.616 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

ClientSampleId :

SS050MW641-190716MS

Tot Ion: 75 Resp: 37490

Ion Ratio Lower Upper

75 100

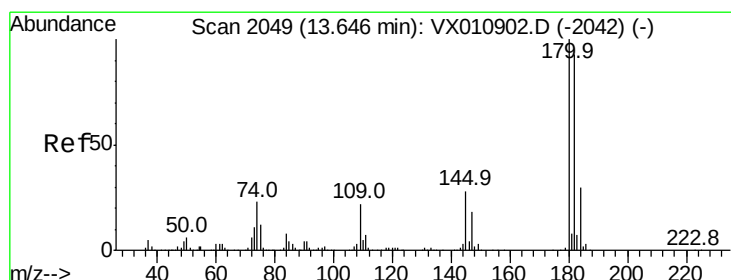
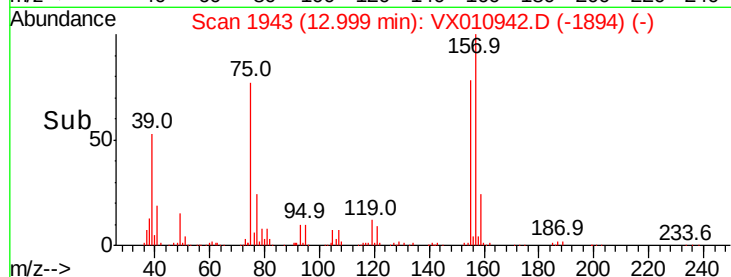
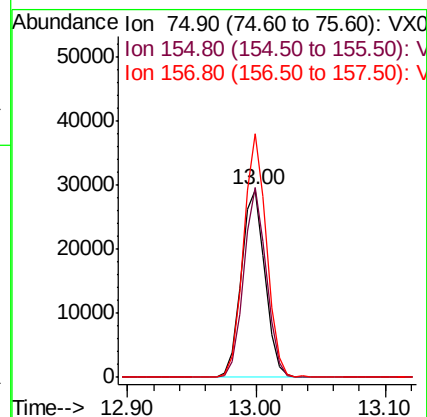
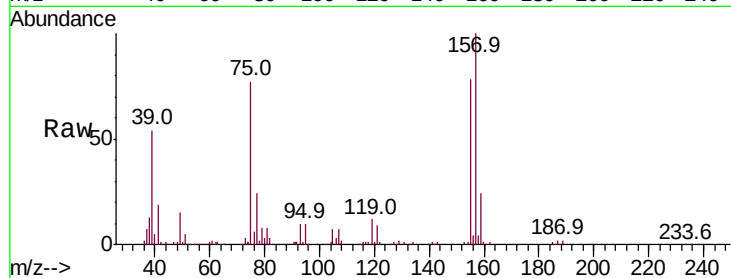
155 95.6 48.7 146.1

157 124.5 62.5 187.6

Manual Integrations
APPROVED

MMDadoda

7/22/2019 10:58:12 AM



#93

1,2,4-Trichlorobenzene

Concen: 51.424 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

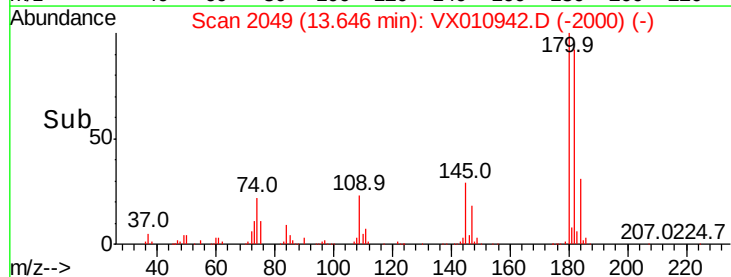
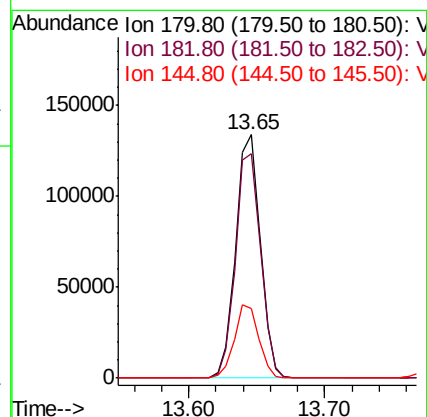
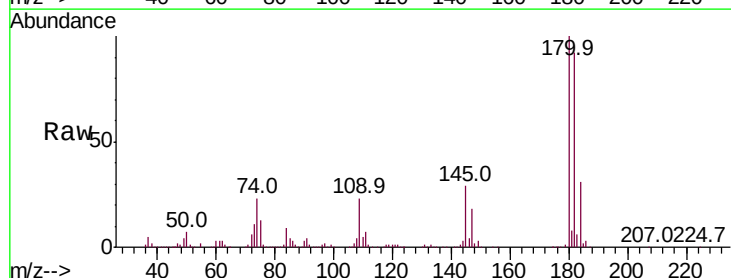
Tgt Ion:180 Resp: 169002

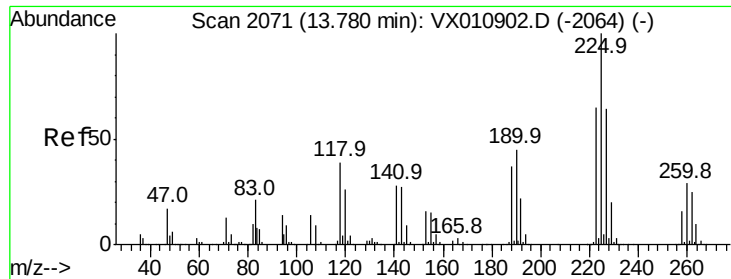
Ion Ratio Lower Upper

180 100

182 94.7 47.1 141.3

145 29.7 14.8 44.4





#94

Hexachlorobutadiene

Concen: 50.203 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Instrument :

MSVOA_X

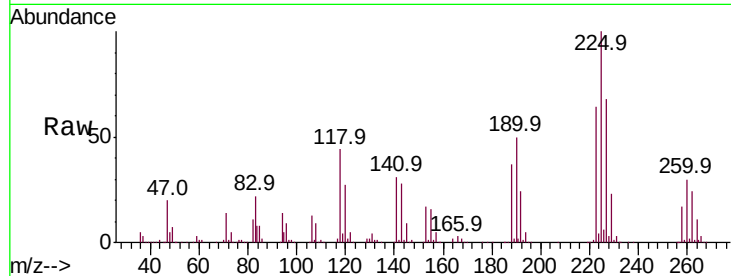
ClientSampleId :

SS050MW641-190716MS

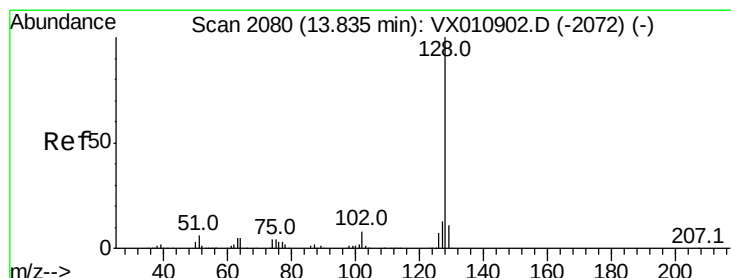
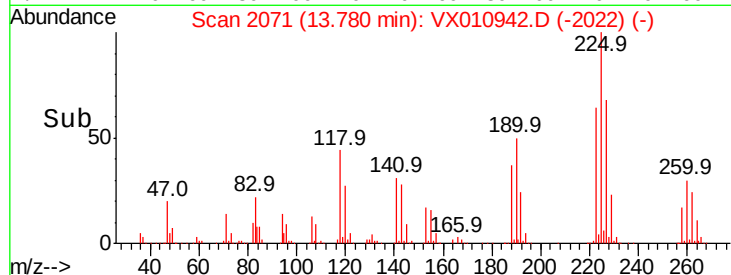
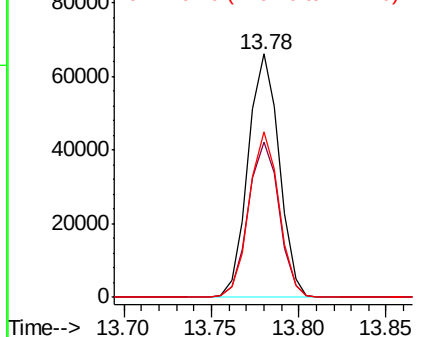
Tot Ion:	225	Resp:	81760
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.9	95.9
227	65.2	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
7/22/2019 10:58:12 AM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 53.039 ug/l

RT: 13.83 min Scan# 2080

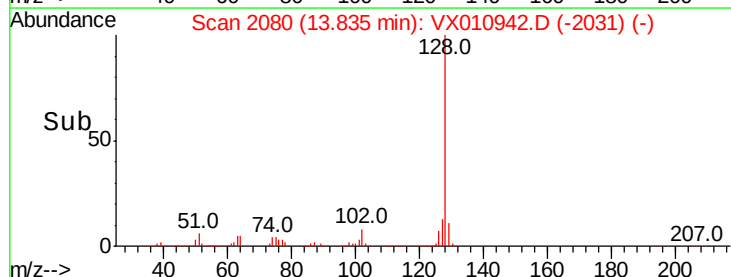
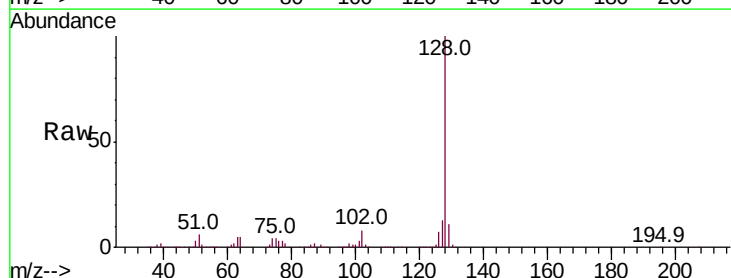
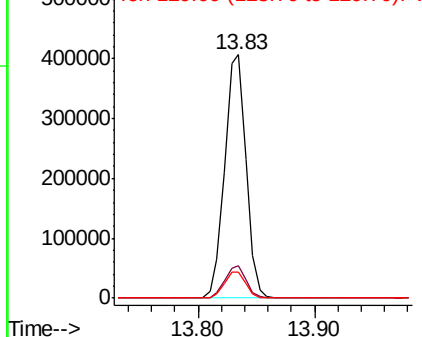
Delta R.T. 0.00 min

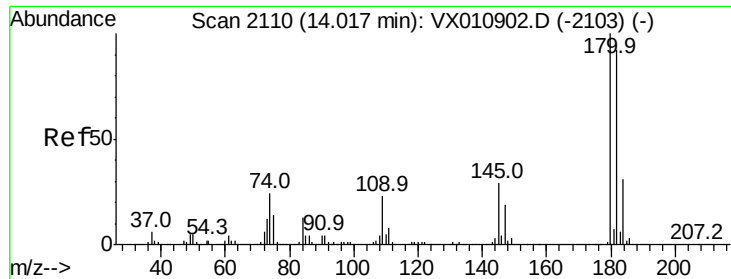
Lab File: VX010942.D

Acq: 17 Jul 2019 17:39

Tgt Ion:	128	Resp:	514728
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.9	13.3

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





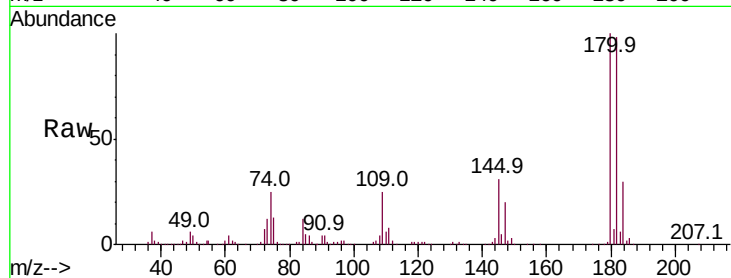
#96
 1,2,3-Trichlorobenzene
 Concen: 52.180 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX010942.D
 Acq: 17 Jul 2019 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190716MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	170626		
182	95.3		47.4	142.3
145	30.7		15.1	45.3

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 10:58:12 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

