

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
 Data File : VX009304.D
 Acq On : 03 May 2019 11:57
 Operator : JC/SP
 Sample : VX0503WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 9:28:31 AM

Quant Time: May 04 03:24:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	31325	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	175092	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	154932	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	75076	28.89	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.30%
60) 4-Bromofluorobenzene	11.13	95	78597	29.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.50%
63) Toluene-d8	8.71	98	223148	30.38	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	31310	18.810	ug/l 98
3) Chloromethane	1.32	50	42851	19.153	ug/l 97
4) Vinyl Chloride	1.40	62	41689	18.678	ug/l 98
5) Bromomethane	1.64	94	23858	16.863	ug/l 99
6) Chloroethane	1.72	64	26891	18.371	ug/l 99
7) Trichlorofluoromethane	1.93	101	52363	18.999	ug/l 98
8) Diethyl Ether	2.18	74	24308	18.994	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	34213	20.050	ug/l 99
10) 1,1-Dichloroethene	2.37	96	32261	18.829	ug/l 91
11) Methyl Iodide	2.51	142	33367	17.914	ug/l 97
12) Methyl Acetate	2.77	43	58212	18.038	ug/l 98
13) Acrolein	2.29	56	33644	76.009	ug/l 98
14) Acrylonitrile	3.14	53	130097	92.890	ug/l 99
15) Acetone	2.44	58	36383	90.479	ug/l 97
16) Carbon Disulfide	2.57	76	85859	18.521	ug/l 100
17) Allyl chloride	2.73	41	75799	18.427	ug/l 98
18) Methylene Chloride	2.85	84	38847	18.760	ug/l 98
19) trans-1,2-Dichloroethene	3.17	96	35065	19.195	ug/l 99
20) Diisopropyl ether	3.85	45	153511	18.951	ug/l 90
21) 1,1-Dichloroethane	3.69	63	74621	19.035	ug/l 98
22) cis-1,2-Dichloroethene	4.59	96	40954	18.611	ug/l 99
23) tert-Butyl Alcohol	3.04	59	51333	86.680	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	125143	18.663	ug/l 100
25) Chloroform	5.21	83	68353	19.107	ug/l 95
26) Cyclohexane	5.57	56	69912	19.135	ug/l # 99
29) 1,1-Dichloropropene	5.80	75	50580	19.687	ug/l 98
30) 2-Butanone	4.67	43	194321	96.579	ug/l 100
31) 2,2-Dichloropropane	4.58	77	53911	19.034	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	55572	19.953	ug/l 97
33) Carbon Tetrachloride	5.78	117	46132	19.796	ug/l 98
34) Benzene	6.13	78	158784	20.047	ug/l 99
35) Methacrylonitrile	5.04	41	40176	19.085	ug/l 97
36) 1,2-Dichloroethane	6.18	62	56861	19.784	ug/l 100
37) Trichloroethene	7.21	130	37483	19.659	ug/l 98
38) Methylcyclohexane	7.46	83	64154	20.211	ug/l 99
39) 1,2-Dichloropropane	7.51	63	45623	20.227	ug/l 96
40) Dibromomethane	7.66	93	25647	20.034	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
 Data File : VX009304.D
 Acq On : 03 May 2019 11:57
 Operator : JC/SP
 Sample : VX0503WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0503WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 9:28:31 AM

Quant Time: May 04 03:24:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	51971	19.874	ug/l	99
42) Vinyl Acetate	3.81	43	661303	99.584	ug/l	100
43) Ethyl Acetate	4.83	43	68943	18.963	ug/l	96
44) Isopropyl Acetate	6.44	43	113568	19.282	ug/l	98
45) 1,4-Dioxane	7.74	88	22520	389.443	ug/l	98
46) Methyl methacrylate	7.77	41	55756	18.966	ug/l	98
47) n-amyl Acetate	10.90	43	98602	18.584	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	57566	18.867	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	63987	19.103	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	38694	19.728	ug/l	99
51) Ethyl methacrylate	9.18	69	69636	19.212	ug/l	96
52) 1,3-Dichloropropane	9.37	76	69396	19.936	ug/l	100
53) Dibromochloromethane	9.58	129	38283	19.599	ug/l	99
54) 1,2-Dibromoethane	9.67	107	39576	19.674	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	192344	99.588	ug/l	99
56) Bromoform	10.85	173	27646	18.437	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	371743	97.581	ug/l	100
59) 2-Hexanone	9.49	43	284855	95.332	ug/l	100
61) Tetrachloroethene	9.34	164	34568	20.239	ug/l	97
62) Toluene	8.78	91	165499	19.991	ug/l	100
64) Chlorobenzene	10.13	112	98441	19.757	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.22	131	35673	19.554	ug/l	99
66) Ethyl Benzene	10.25	91	182523	19.790	ug/l	98
67) m/p-Xylenes	10.35	106	135102	40.121	ug/l	98
68) o-Xylene	10.69	106	65880	19.897	ug/l	98
69) Styrene	10.71	104	113281	19.490	ug/l	99
70) Isopropylbenzene	11.02	105	176688	19.842	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	63309	19.413	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	55327m	19.687	ug/l	
73) Bromobenzene	11.26	156	42746	19.429	ug/l	99
74) n-propylbenzene	11.36	91	206335	19.996	ug/l	100
75) 2-Chlorotoluene	11.42	91	123166	19.900	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	149994	19.886	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	19706	17.384	ug/l	93
78) 4-Chlorotoluene	11.51	91	138938	19.765	ug/l	100
79) tert-butylbenzene	11.77	119	145304	19.927	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	151153	19.994	ug/l	99
81) sec-Butylbenzene	11.94	105	173042	19.974	ug/l	99
82) p-Isopropyltoluene	12.06	119	155601	19.745	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	76453	19.458	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	75603	19.314	ug/l	98
85) n-Butylbenzene	12.38	91	140167	19.438	ug/l	99
86) Hexachloroethane	12.59	117	25100	18.717	ug/l	94
87) 1,2-Dichlorobenzene	12.39	146	77166	19.510	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	13908	18.353	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	53677	19.041	ug/l	99
90) Hexachlorobutadiene	13.78	225	27653	19.638	ug/l	99
91) Naphthalene	13.83	128	178284	19.316	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	56884	19.851	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
Data File : VX009304.D
Acq On : 03 May 2019 11:57
Operator : JC/SP
Sample : VX0503WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS01

Manual Integrations
APPROVED

MMDadoda
5/6/2019 9:28:31 AM

Quant Time: May 04 03:24:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration

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

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

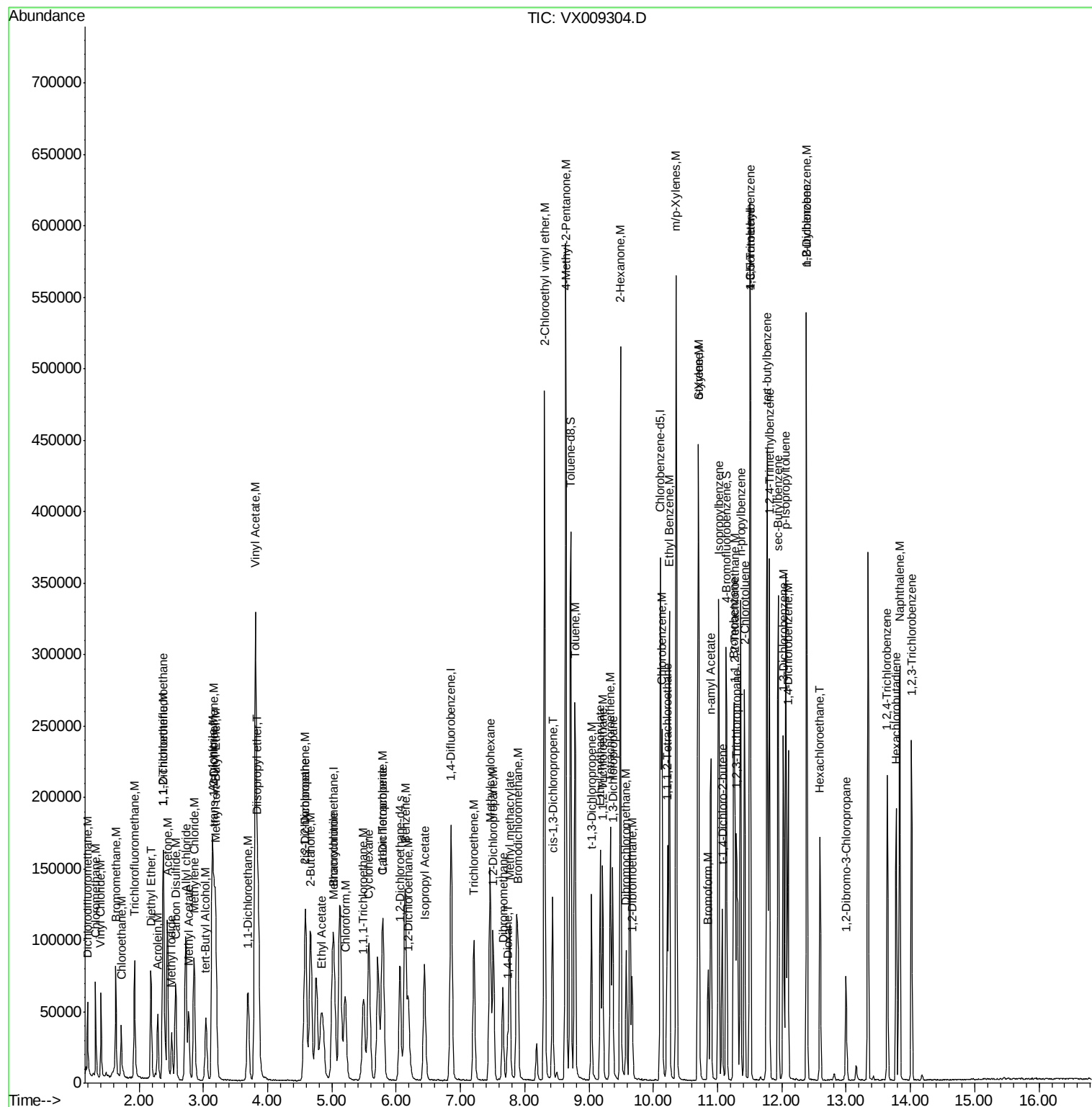
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
Data File : VX009304.D
Acq On : 03 May 2019 11:57
Operator : JC/SP
Sample : VX0503WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

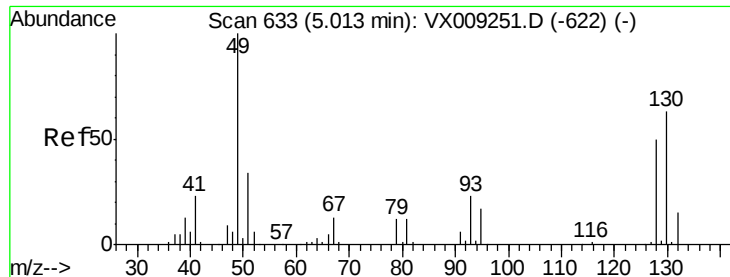
Instrument :
MSVOA_X
ClientSampleID :
VX0503WBS01

Manual Integrations
APPROVED

MMDadoda
5/6/2019 9:28:31 AM

Quant Time: May 04 03:24:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration





#1

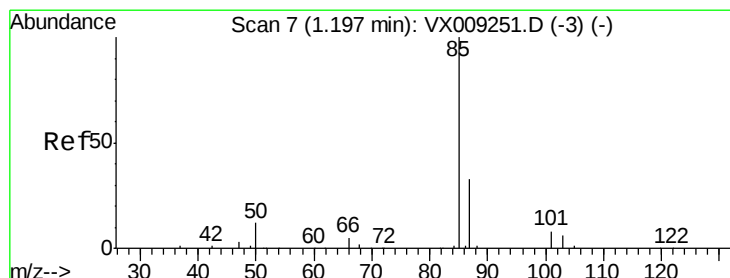
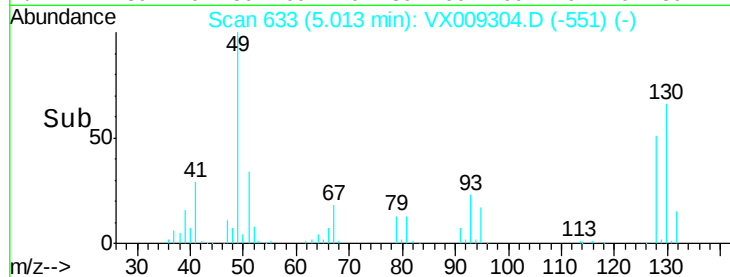
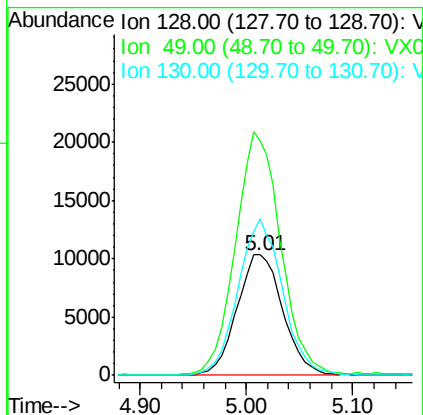
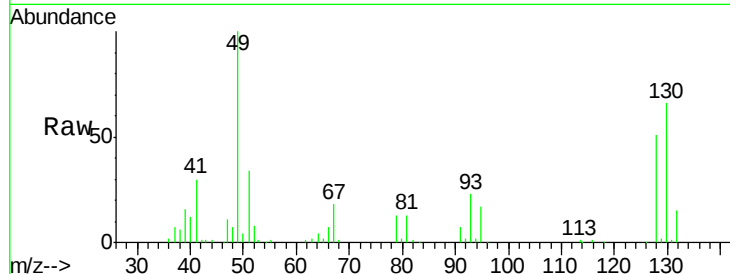
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Instrument :
MSVOA_X
ClientSampled :
VX0503WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	199.1	0.0	515.0
130	125.5	0.0	323.3

Manual Integrations
APPROVED

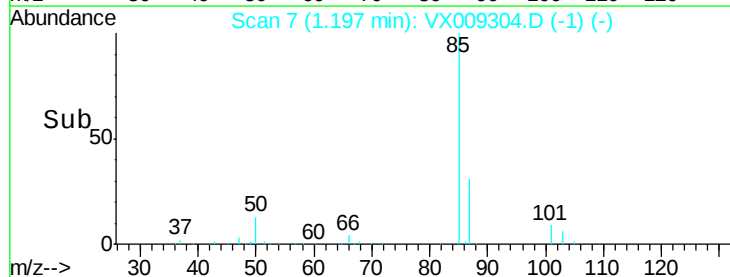
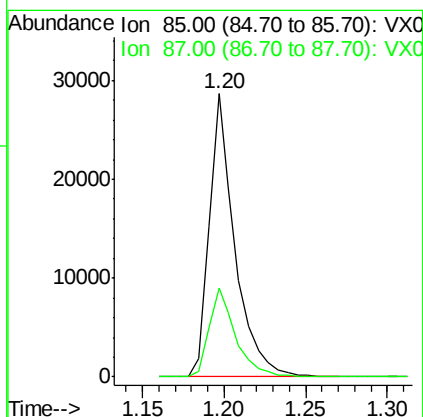
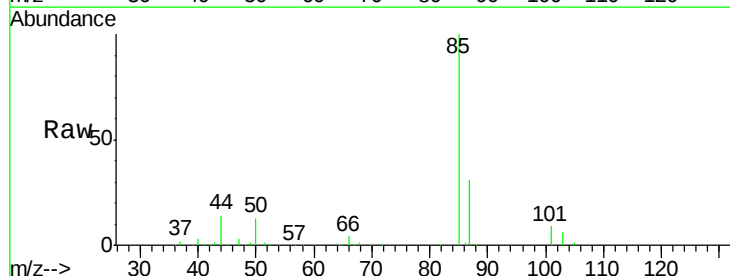
MMDadoda
5/6/2019 9:28:31 AM

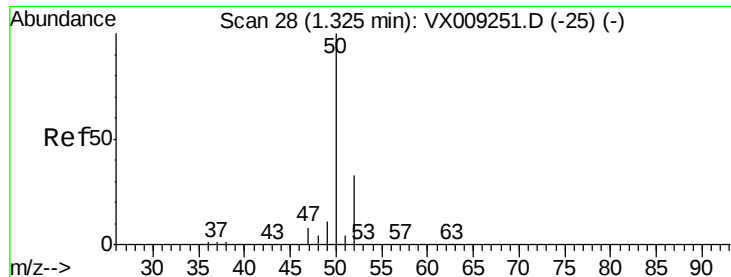


#2

Dichlorodifluoromethane
Concen: 18.810 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.3	16.3	48.9





#3

Chloromethane

Concen: 19.153 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS01

Tot Ion: 50 Resp: 42851

Ion Ratio Lower Upper

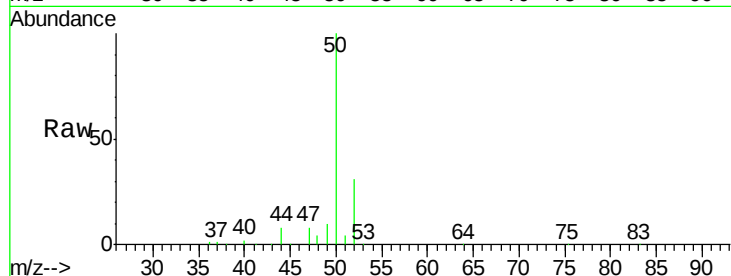
50 100

52 31.1 26.3 39.5

Manual Integrations
APPROVED

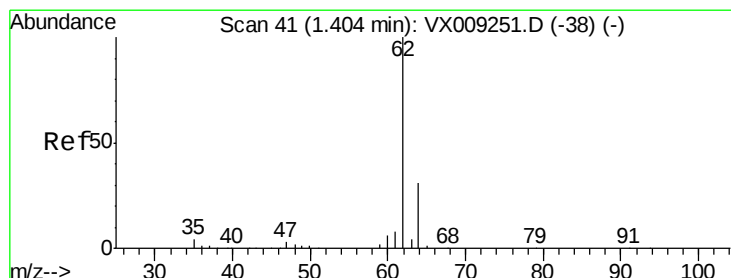
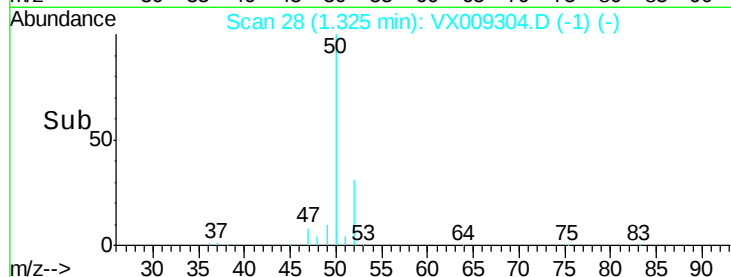
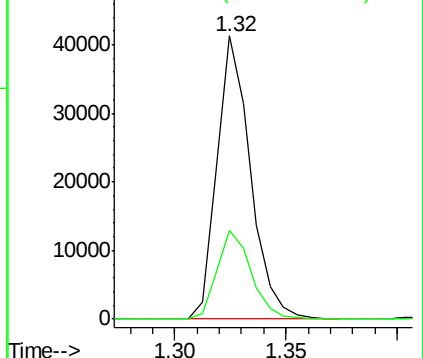
MMDadoda

5/6/2019 9:28:31 AM



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 18.678 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX009304.D

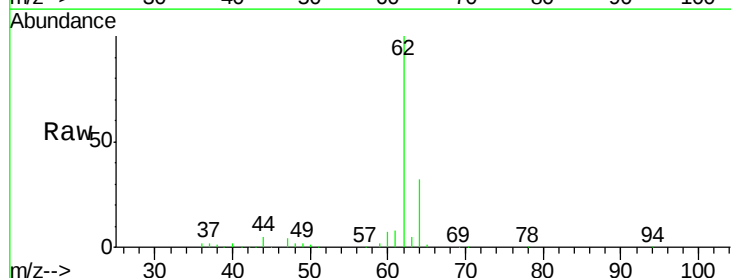
Acq: 03 May 2019 11:57

Tgt Ion: 62 Resp: 41689

Ion Ratio Lower Upper

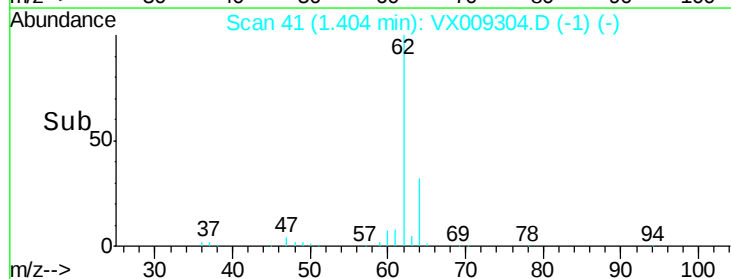
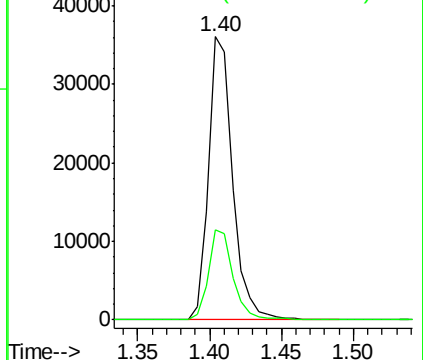
62 100

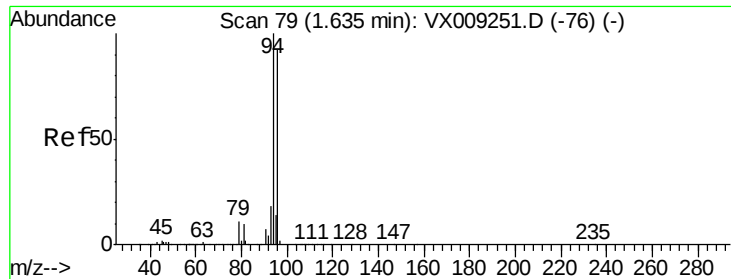
64 31.8 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 16.863 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS01

Tot Ion: 94 Resp: 23858

Ion Ratio Lower Upper

94 100

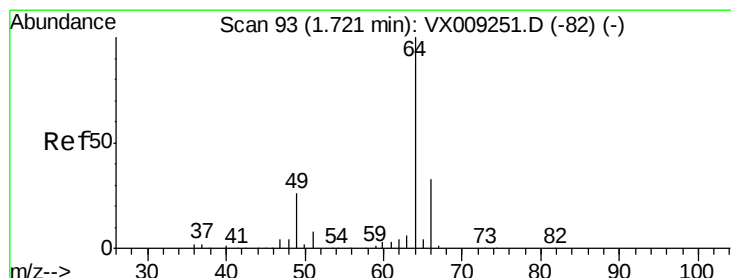
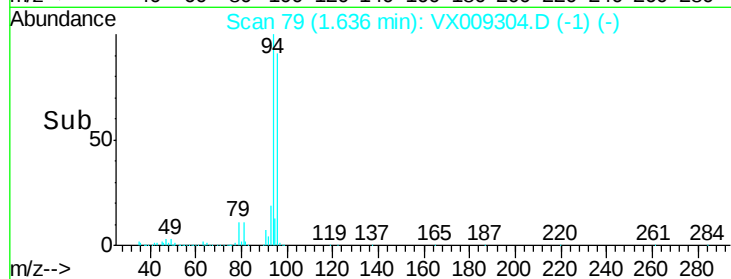
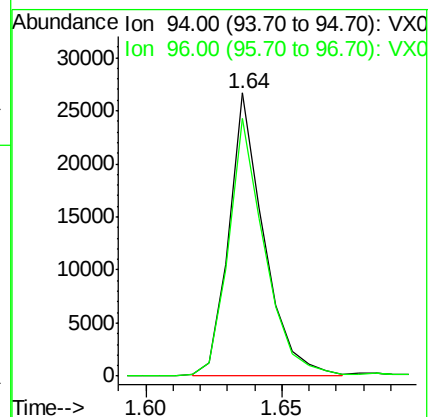
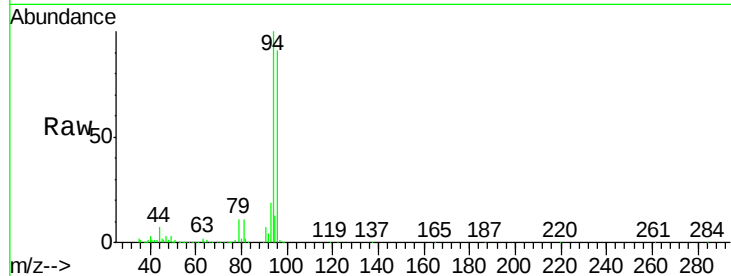
96 91.4 73.5 110.3

Manual Integrations

APPROVED

MMDadoda

5/6/2019 9:28:31 AM



#6

Chloroethane

Concen: 18.371 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX009304.D

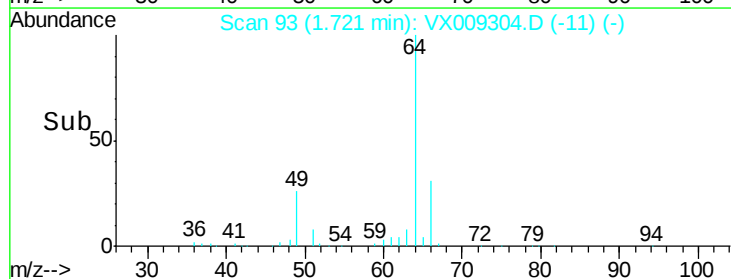
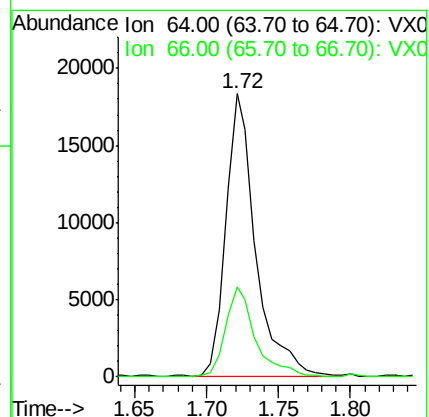
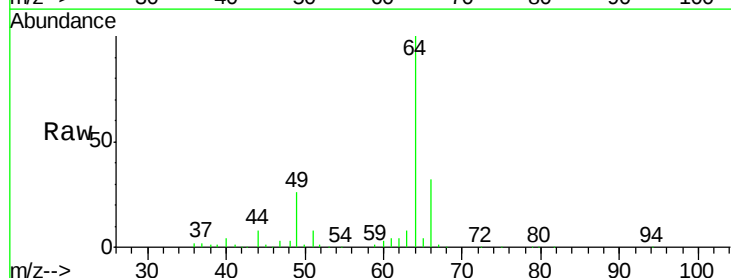
Acq: 03 May 2019 11:57

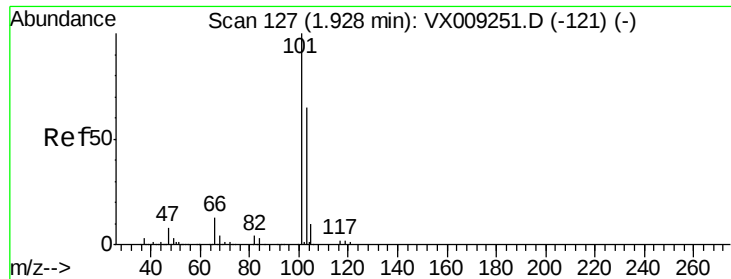
Tgt Ion: 64 Resp: 26891

Ion Ratio Lower Upper

64 100

66 31.7 25.9 38.9





#7

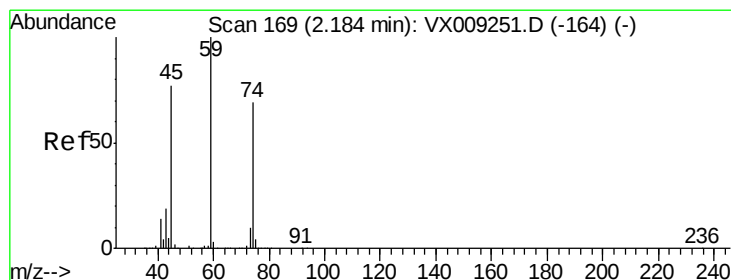
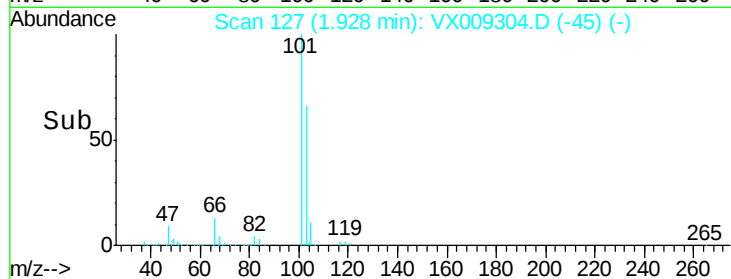
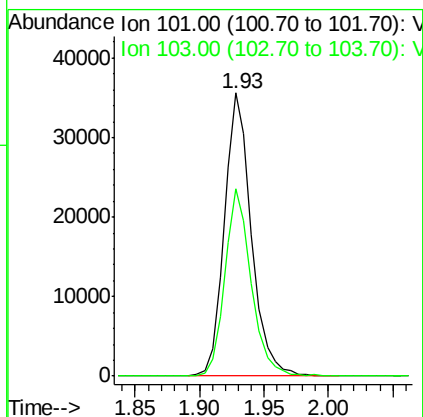
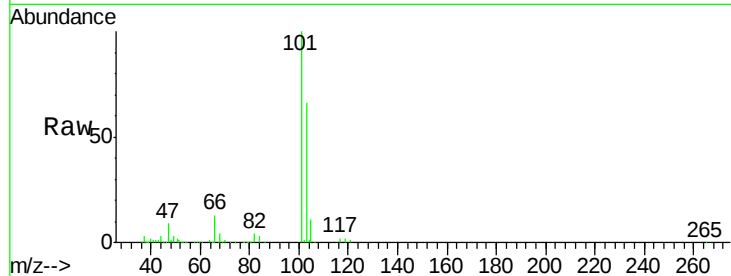
Trichlorofluoromethane
Concen: 18.999 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.9	77.9

Manual Integrations
APPROVED

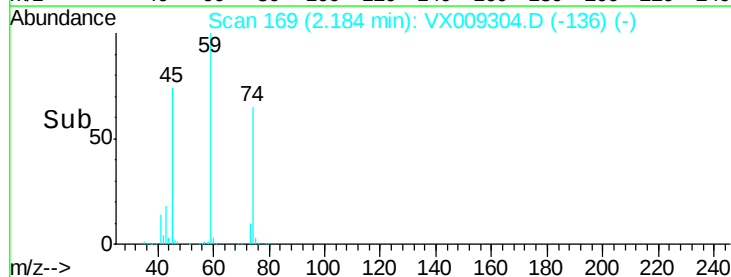
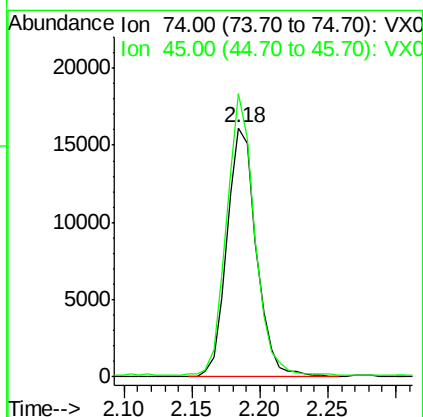
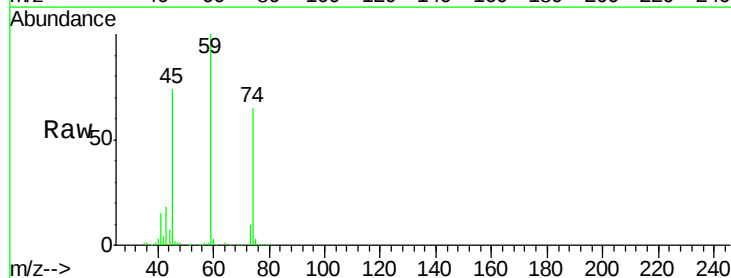
MMDadoda
5/6/2019 9:28:31 AM

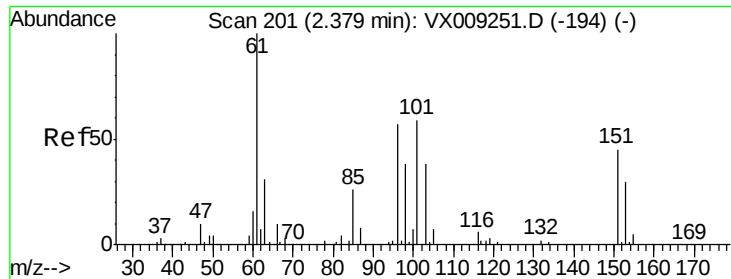


#8

Diethyl Ether
Concen: 18.994 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.5	21.5	193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.050 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Instrument :

MSVOA_X

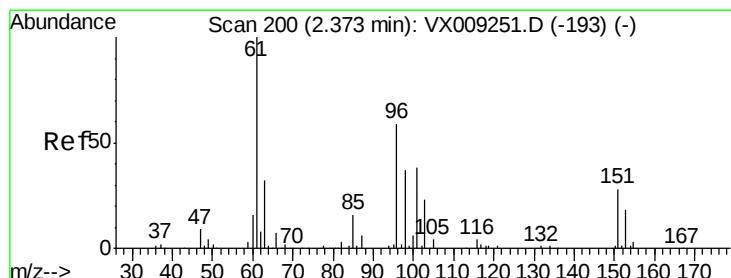
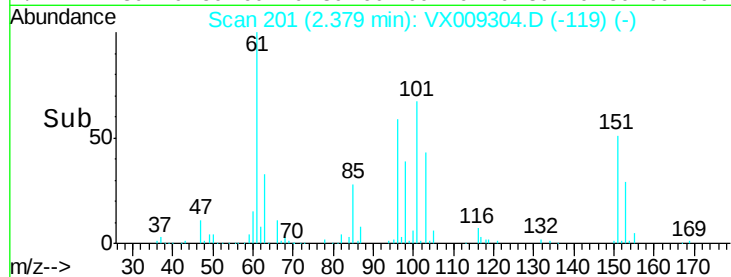
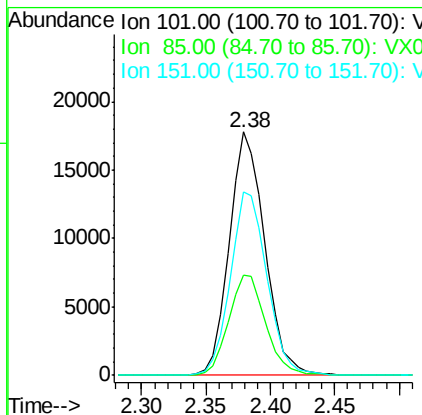
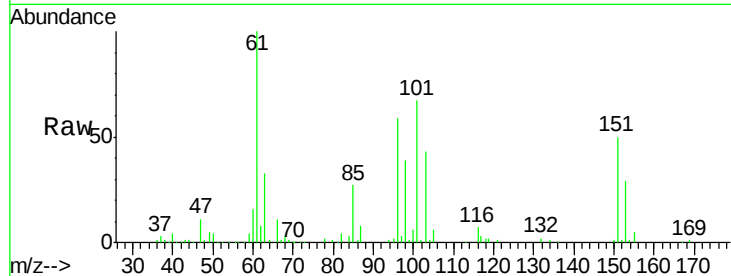
ClientSampled :

VX0503WBS01

Tot Ion:	101	Resp:	34213
Ion Ratio	Lower	Upper	
101	100		
85	42.5	0.0	87.4
151	77.4	0.0	157.0

Manual Integrations
APPROVED

MMDadoda
5/6/2019 9:28:31 AM



#10

1,1-Dichloroethene

Concen: 18.829 ug/l

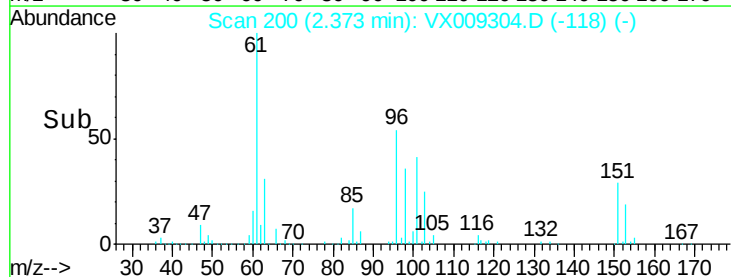
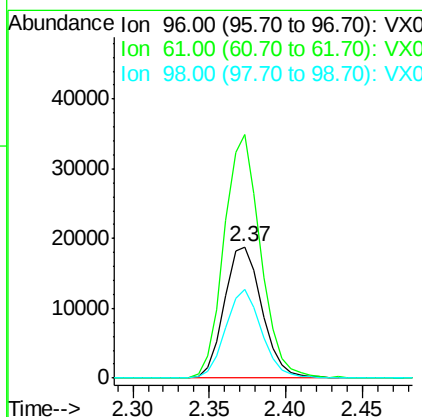
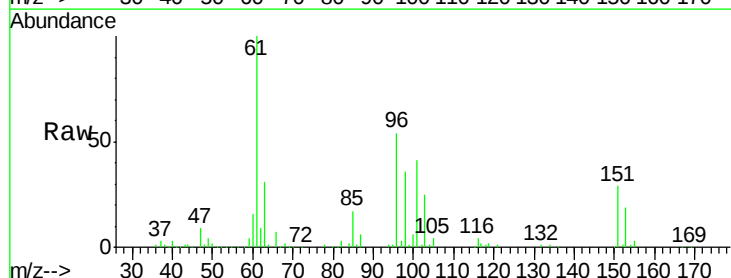
RT: 2.37 min Scan# 200

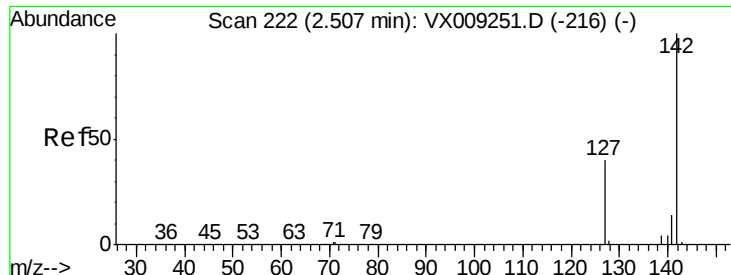
Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Tgt Ion:	96	Resp:	32261
Ion Ratio	Lower	Upper	
96	100		
61	185.1	136.5	204.7
98	67.6	51.0	76.4





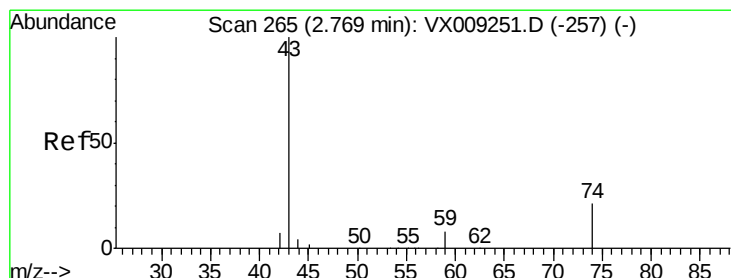
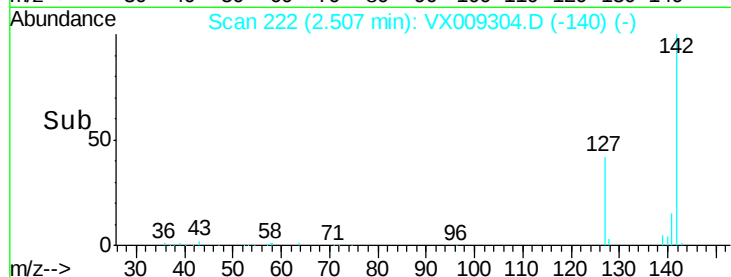
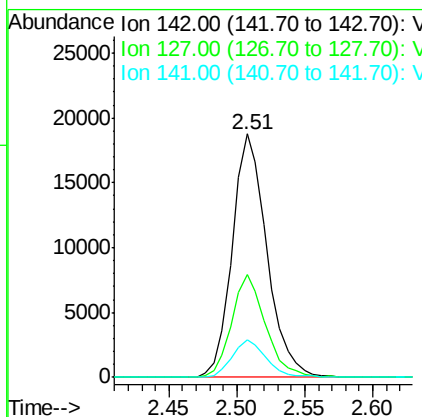
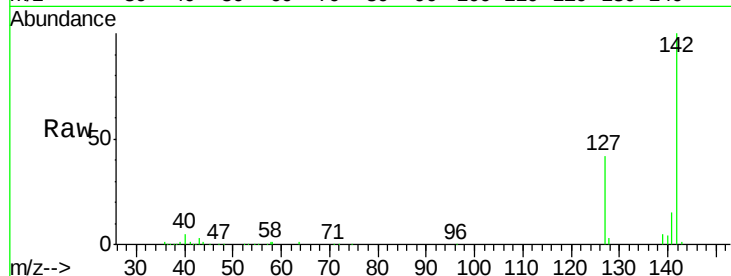
#11
Methvl Iodide
Concen: 17.914 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.3	20.2	60.5
141	15.4	6.9	20.7

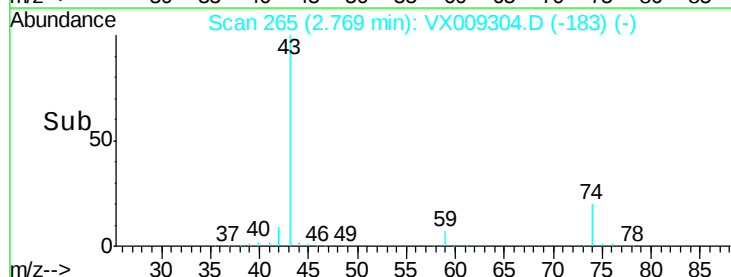
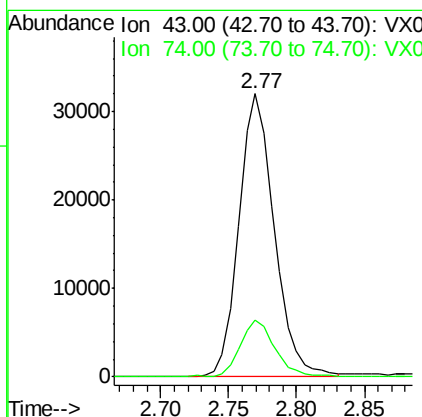
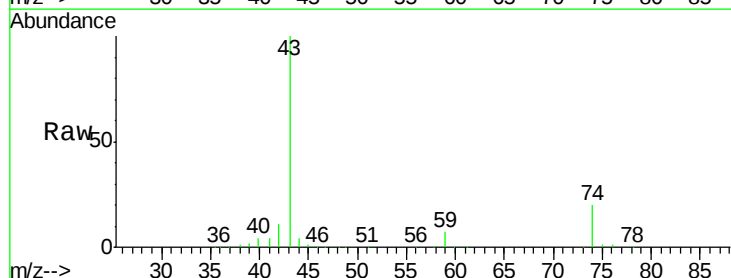
Manual Integrations
APPROVED

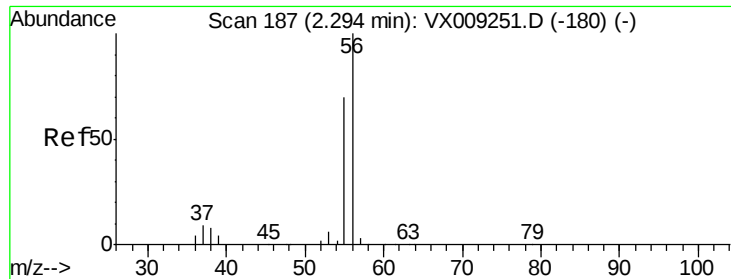
MMDadoda
5/6/2019 9:28:31 AM



#12
Methyl Acetate
Concen: 18.038 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	16.5	24.7





#13

Acrolein

Concen: 76.009 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS01

Tot Ion: 56 Resp: 33644

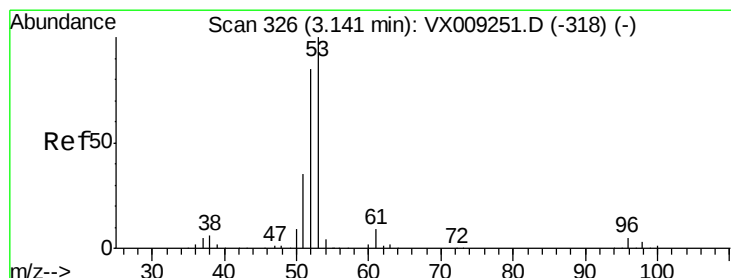
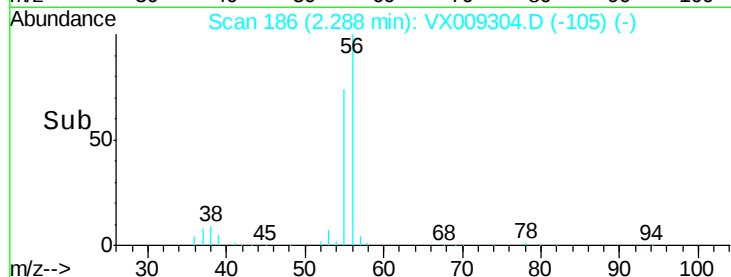
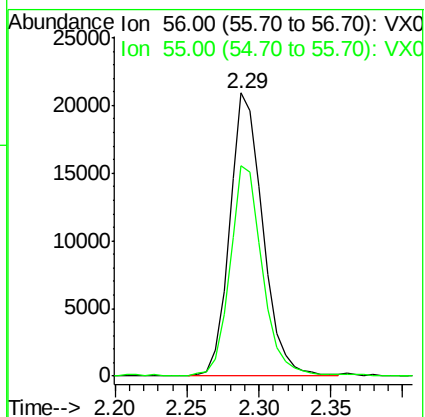
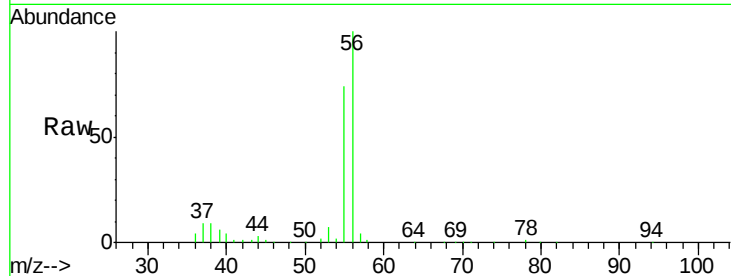
Ion Ratio Lower Upper

56 100

55 72.8 56.9 85.3

Manual Integrations
APPROVED

MMDadoda
5/6/2019 9:28:31 AM



#14

Acrylonitrile

Concen: 92.890 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

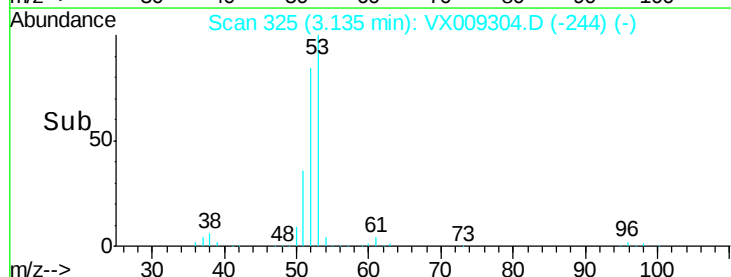
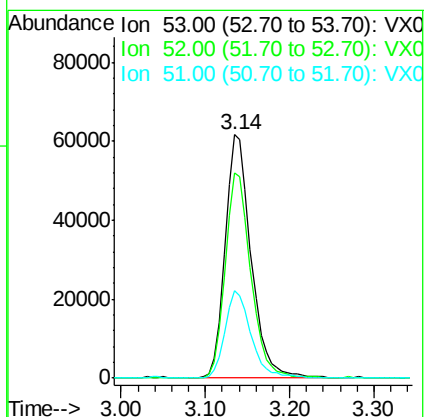
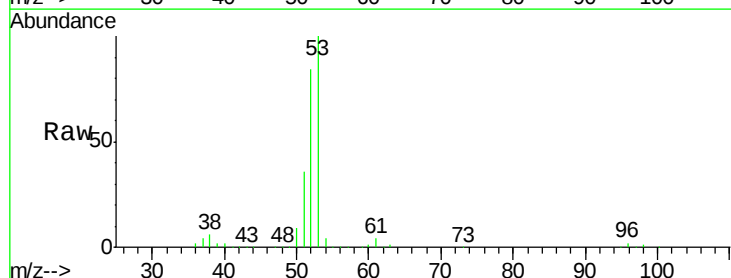
Tgt Ion: 53 Resp: 130097

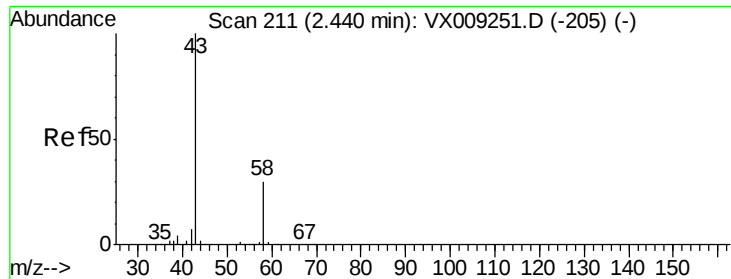
Ion Ratio Lower Upper

53 100

52 82.6 41.5 124.5

51 36.1 17.8 53.3





#15

Acetone

Concen: 90.479 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS01

Tot Ion: 58 Resp: 36383

Ion Ratio Lower Upper

58 100

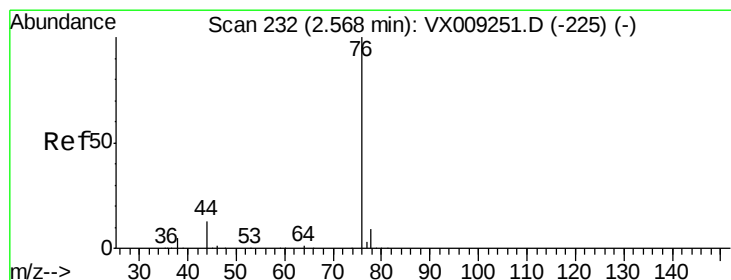
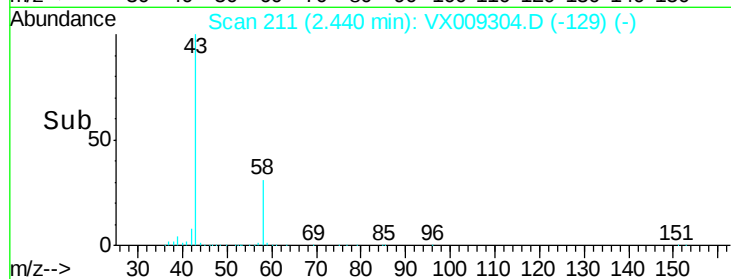
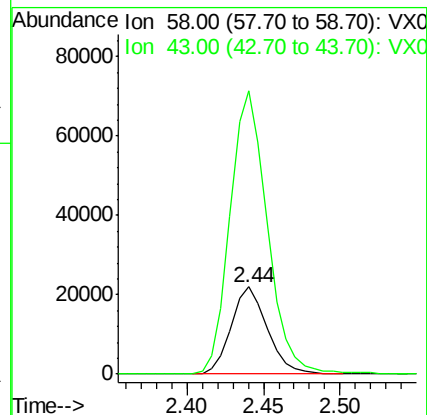
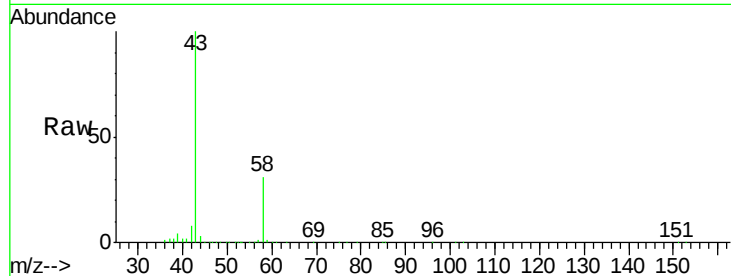
43 324.1 264.0 396.0

Manual Integrations

APPROVED

MMDadoda

5/6/2019 9:28:31 AM



#16

Carbon Disulfide

Concen: 18.521 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009304.D

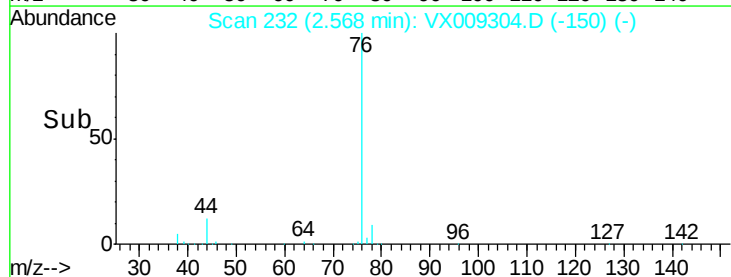
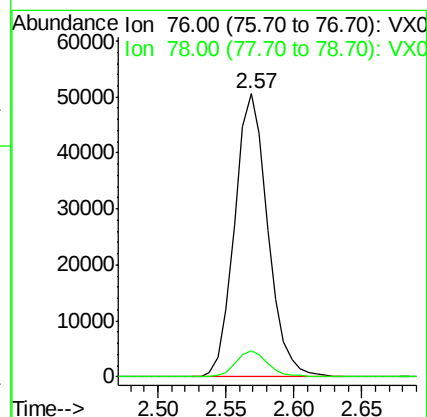
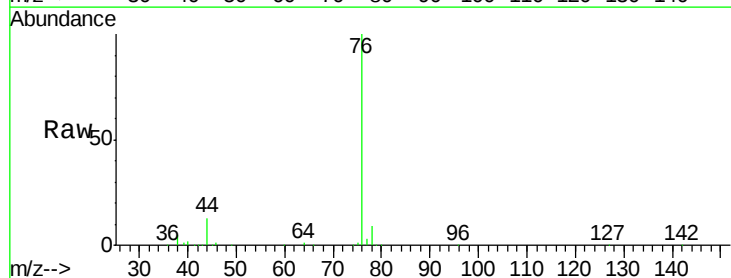
Acq: 03 May 2019 11:57

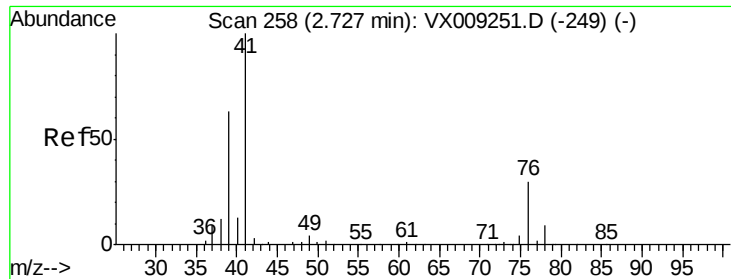
Tgt Ion: 76 Resp: 85859

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2





#17

Allvl chloride

Concen: 18.427 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Instrument :

MSVOA_X

ClientSampled :

VX0503WBS01

Tot Ion: 41 Resp: 75799

Ion Ratio Lower Upper

41 100

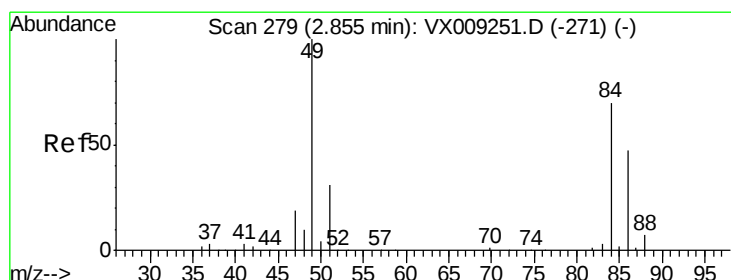
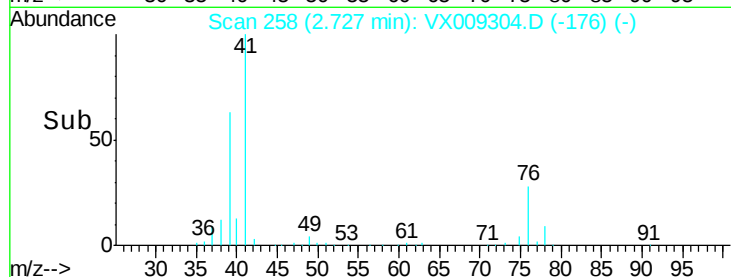
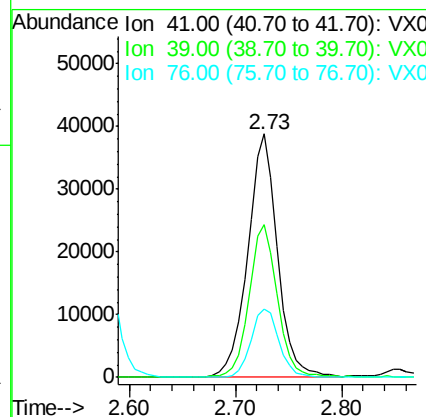
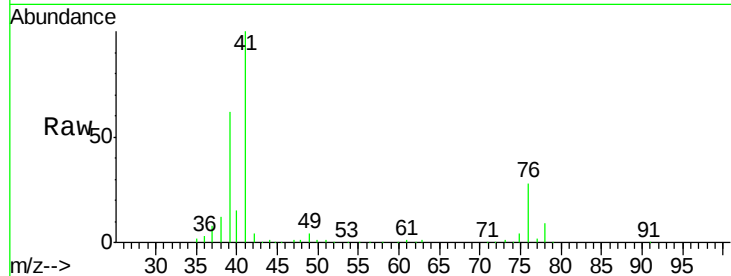
39 62.4 31.6 94.7

76 28.0 15.1 45.3

Manual Integrations
APPROVED

MMDadoda

5/6/2019 9:28:31 AM



#18

Methylene Chloride

Concen: 18.760 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Tgt Ion: 84 Resp: 38847

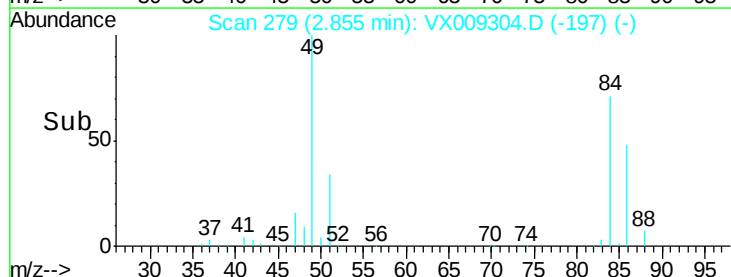
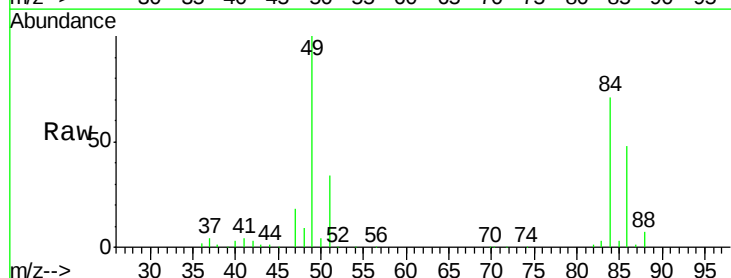
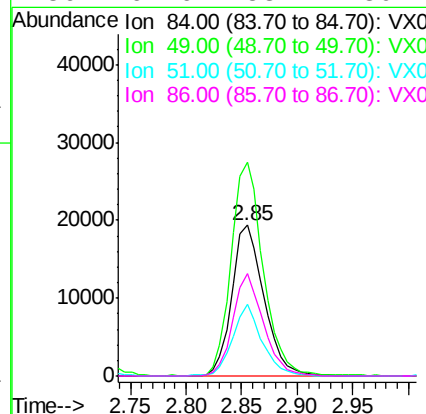
Ion Ratio Lower Upper

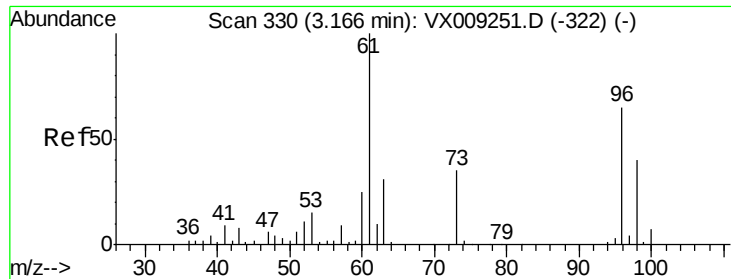
84 100

49 141.7 114.6 171.8

51 47.2 35.5 53.3

86 67.6 53.4 80.2





#19

trans-1,2-Dichloroethene

Concen: 19.195 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Instrument :

MSVOA_X

ClientSampled :

VX0503WBS01

Tot Ion: 96 Resp: 35065

Ion Ratio Lower Upper

96 100

61 150.8 122.7 184.1

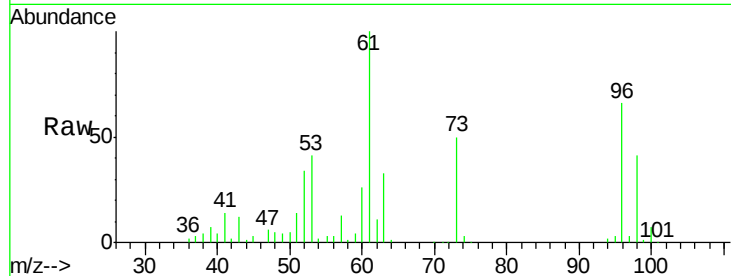
98 61.8 49.5 74.3

Manual Integrations

APPROVED

MMDadoda

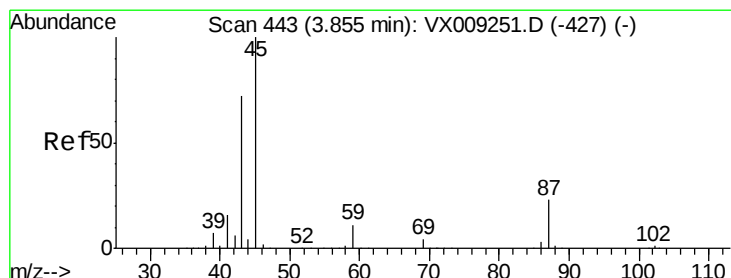
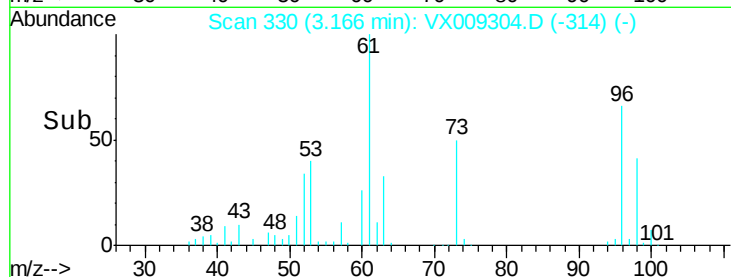
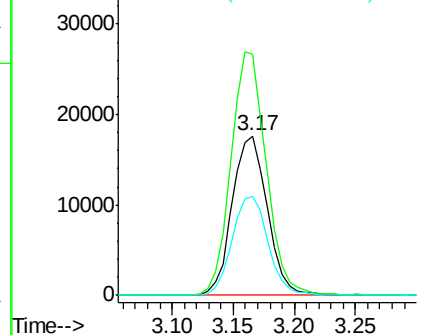
5/6/2019 9:28:31 AM



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 18.951 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Tgt Ion: 45 Resp: 153511

Ion Ratio Lower Upper

45 100

43 83.6 57.7 86.5

87 23.8 18.5 27.7

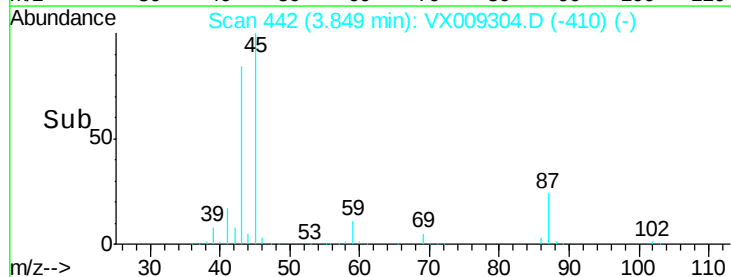
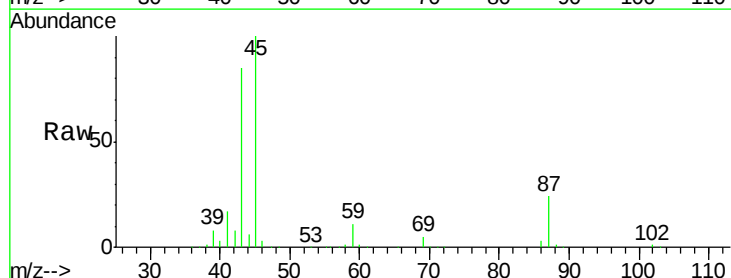
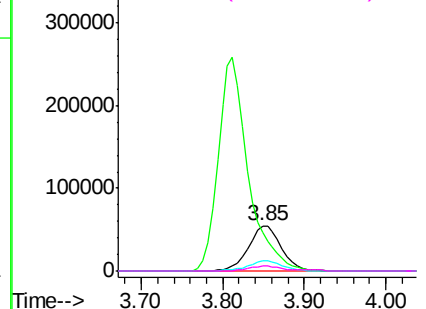
59 11.2 8.8 13.2

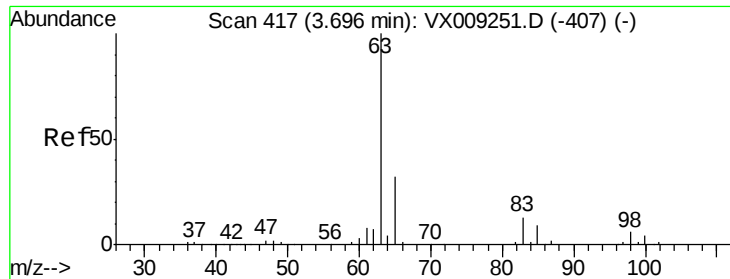
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





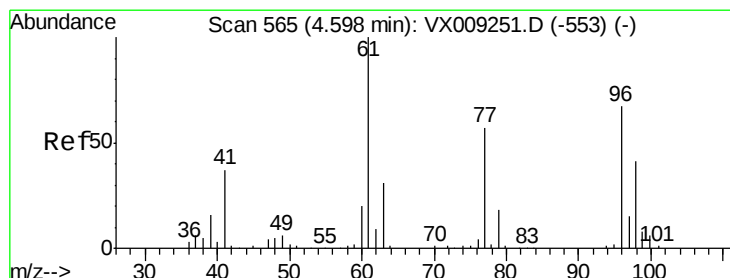
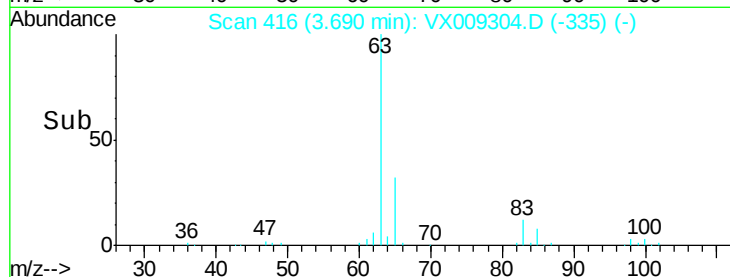
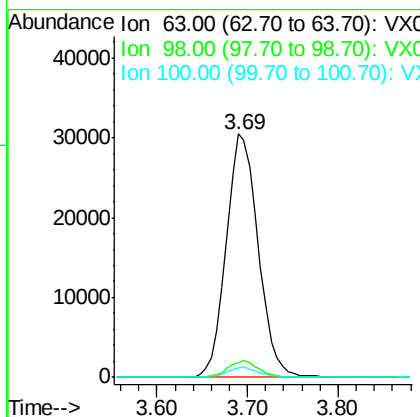
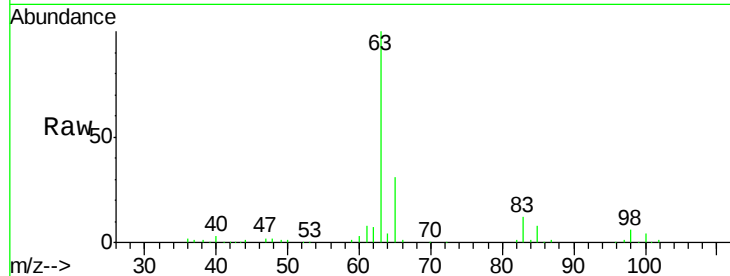
#21
 1,1-Dichloroethane
 Concen: 19.035 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: VX009304.D
 Acq: 03 May 2019 11:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBS01

Tot Ion:	63	Resp:	74621
Ion Ratio	Lower	Upper	
63	100		
98	5.7	3.1	9.3
100	3.8	2.2	6.6

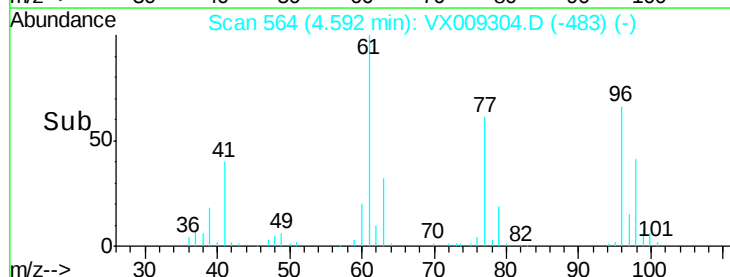
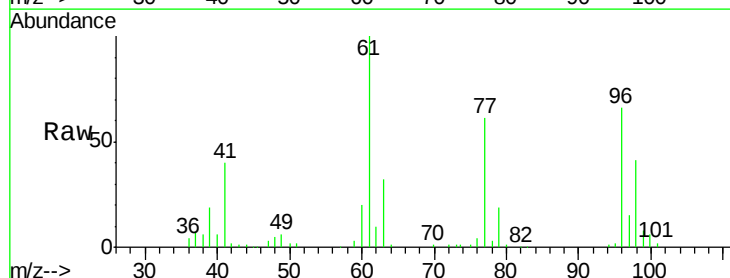
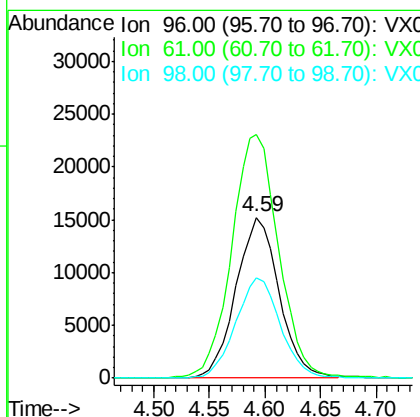
Manual Integrations
 APPROVED

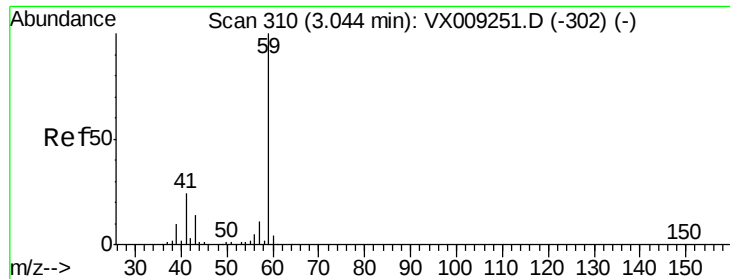
MMDadoda
 5/6/2019 9:28:31 AM



#22
 cis-1,2-Dichloroethene
 Concen: 18.611 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX009304.D
 Acq: 03 May 2019 11:57

Tgt Ion:	96	Resp:	40954
Ion Ratio	Lower	Upper	
96	100		
61	160.8	127.7	191.5
98	64.6	50.5	75.7





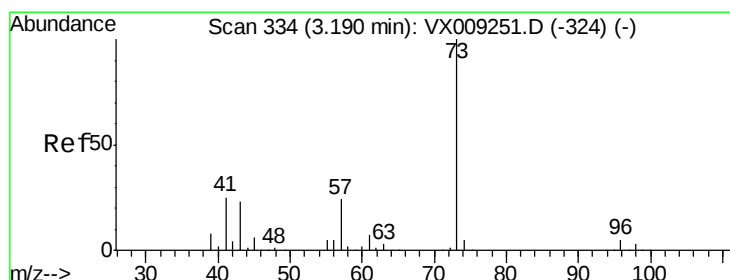
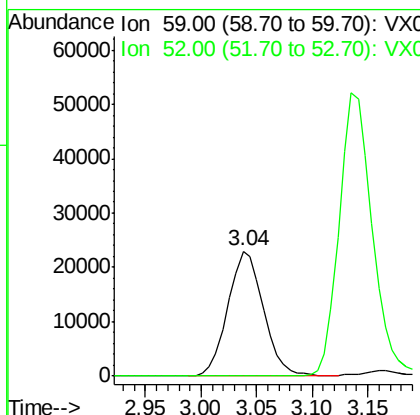
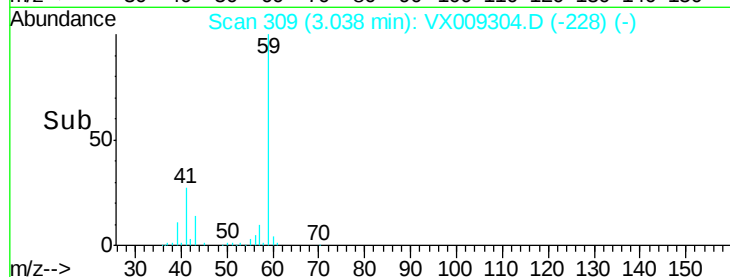
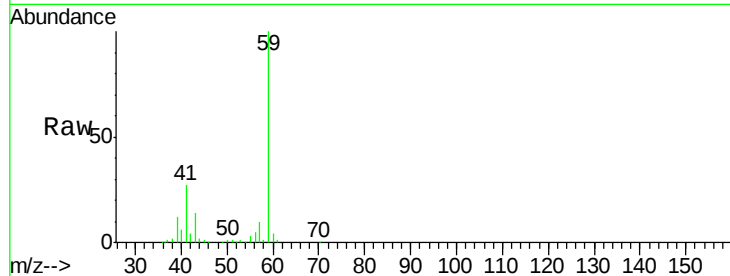
#23
tert-Butyl Alcohol
Concen: 86.680 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS01

Tot Ion: 59 Resp: 51333
Ion Ratio Lower Upper
59 100
52 0.3 0.2 0.2#

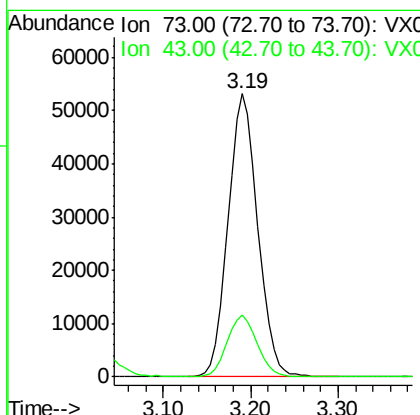
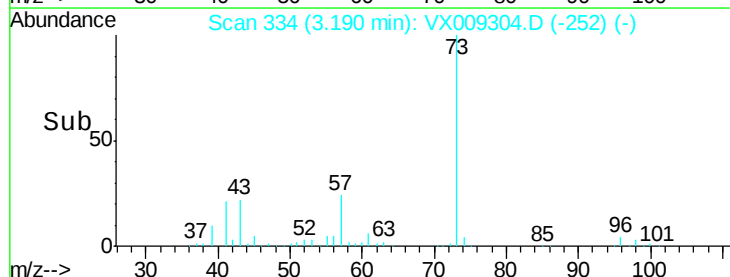
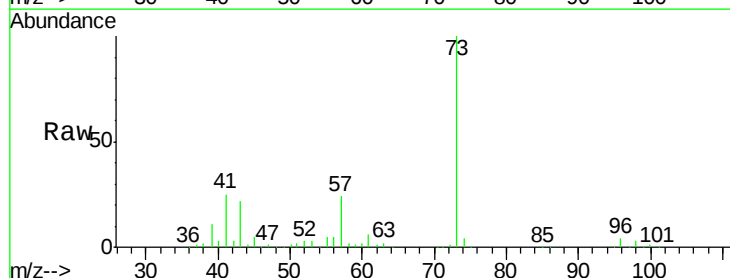
Manual Integrations
APPROVED

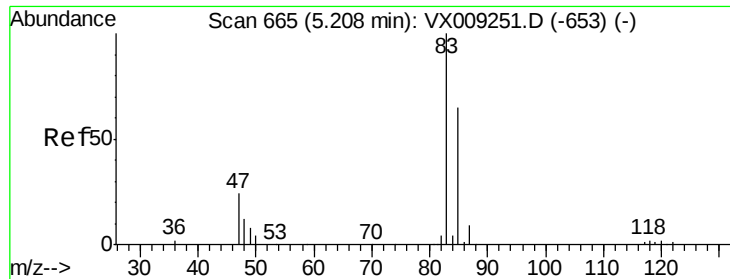
MMDadoda
5/6/2019 9:28:31 AM



#24
Methyl tert-Butyl Ether
Concen: 18.663 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Tgt Ion: 73 Resp: 125143
Ion Ratio Lower Upper
73 100
43 21.8 17.6 26.4





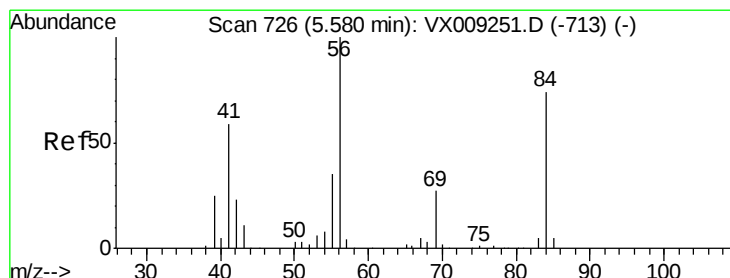
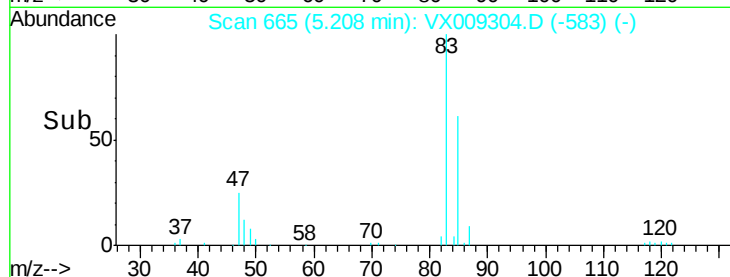
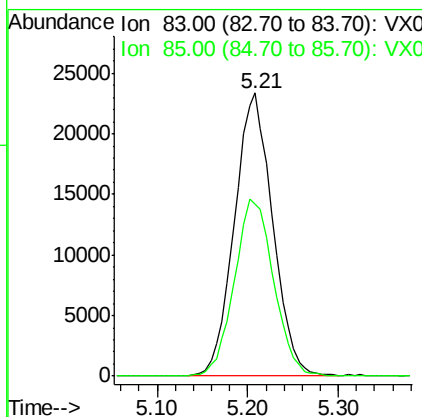
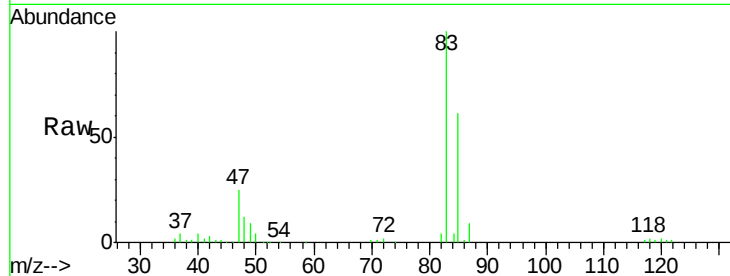
#25
Chloroform
Concen: 19.107 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Instrument :
MSVOA_X
ClientSampled :
VX0503WBS01

Tot Ion: 83 Resp: 68353
Ion Ratio Lower Upper
83 100
85 60.9 51.9 77.9

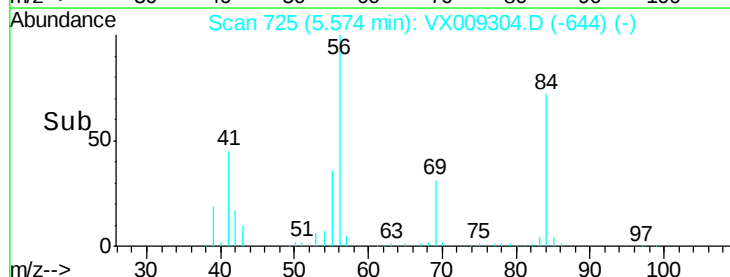
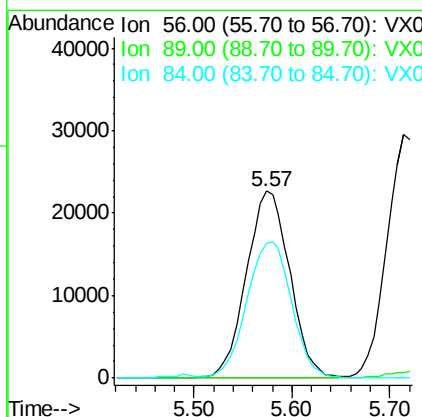
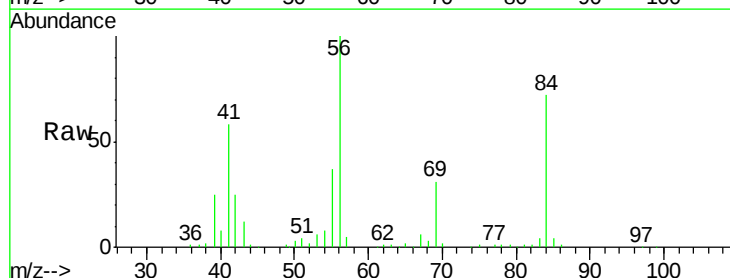
Manual Integrations
APPROVED

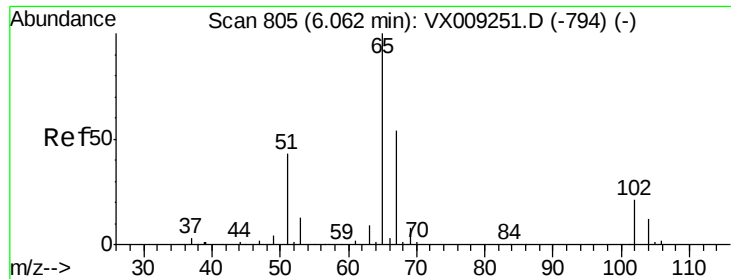
MMDadoda
5/6/2019 9:28:31 AM



#26
Cyclohexane
Concen: 19.135 ug/l
RT: 5.57 min Scan# 726
Delta R.T. -0.01 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Tgt Ion: 56 Resp: 69912
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 75.3 59.7 89.5





#27

1,2-Dichloroethane-d4

Concen: 28.892 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Instrument :

MSVOA_X

ClientSampled :

VX0503WBS01

Tot Ion: 65 Resp: 75076

Ion Ratio Lower Upper

65 100

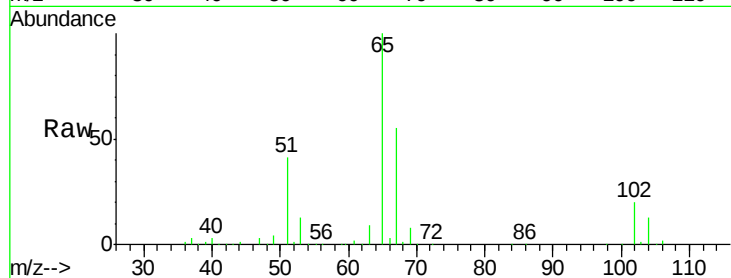
67 53.5 43.1 64.7

Manual Integrations

APPROVED

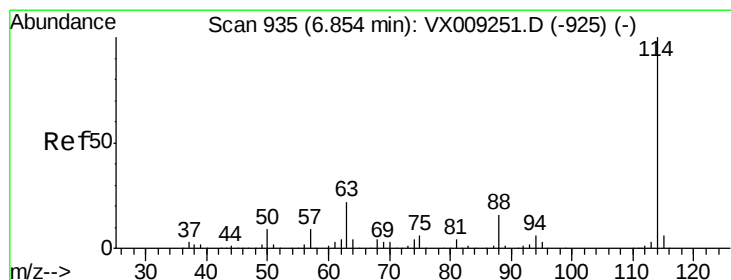
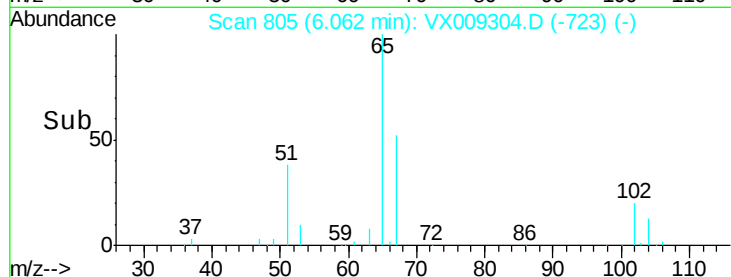
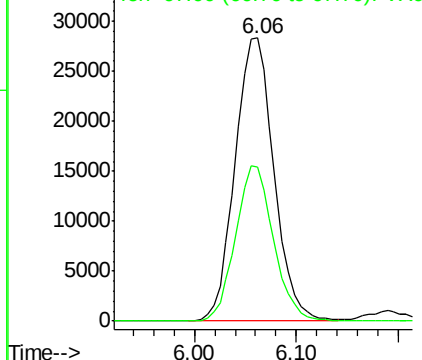
MMDadoda

5/6/2019 9:28:31 AM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

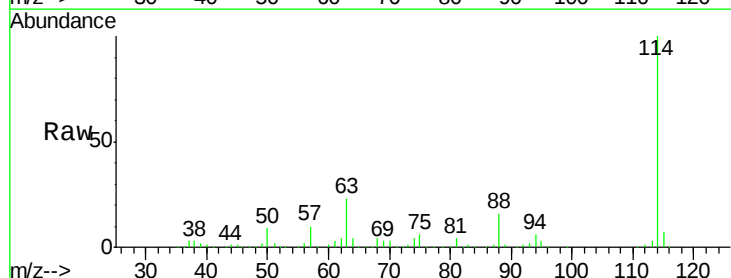
Tgt Ion: 114 Resp: 175092

Ion Ratio Lower Upper

114 100

63 22.9 18.0 27.0

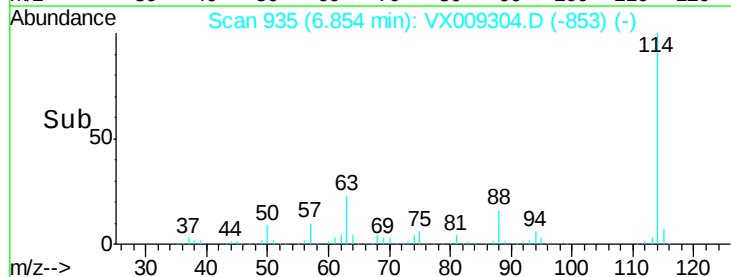
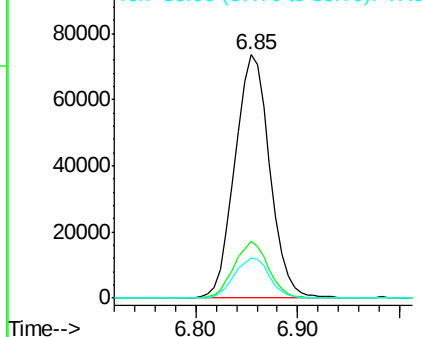
88 16.7 13.4 20.0

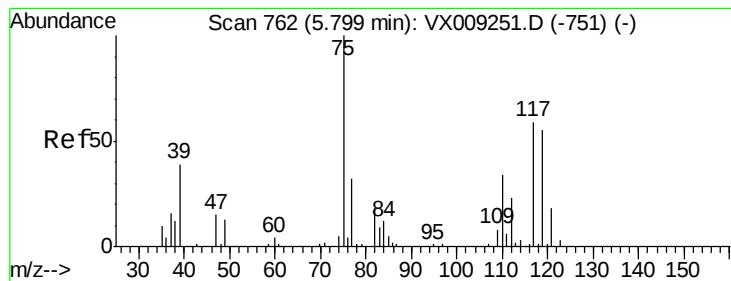


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 19.687 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Instrument :

MSVOA_X

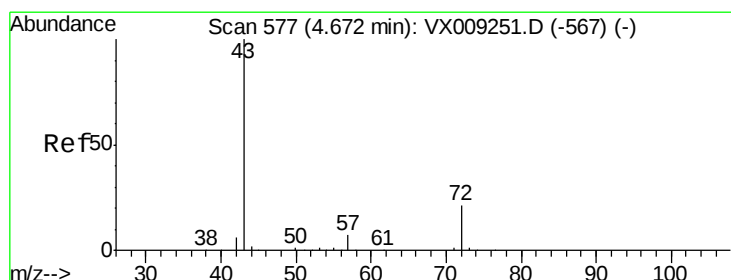
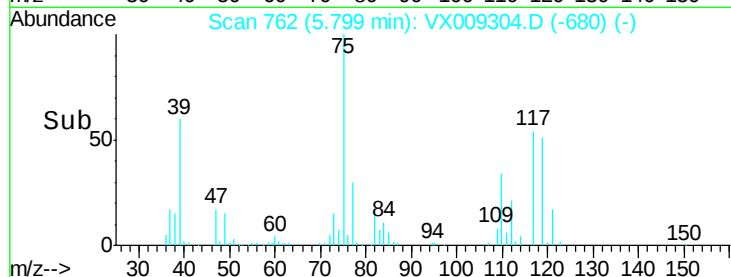
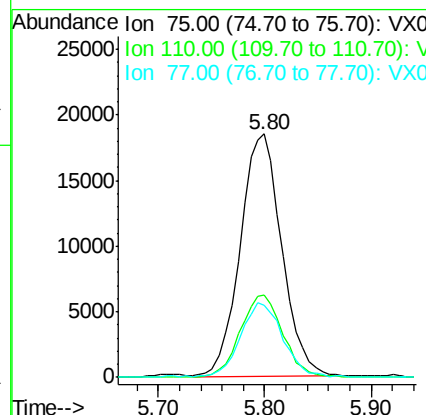
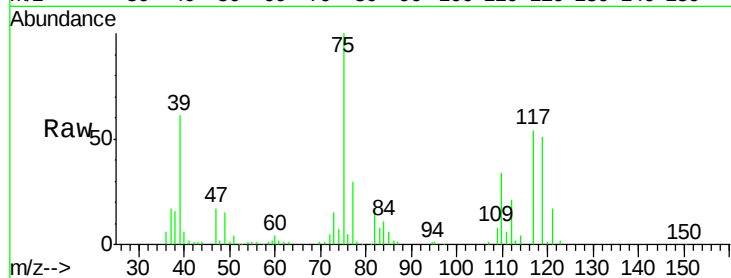
ClientSampled :

VX0503WBS01

Tot Ion:	75	Resp:	50580
Ion Ratio	Lower	Upper	
75	100		
110	34.8	0.0	66.4
77	31.4	0.0	62.2

Manual Integrations
APPROVED

MMDadoda
5/6/2019 9:28:31 AM



#30

2-Butanone

Concen: 96.579 ug/l

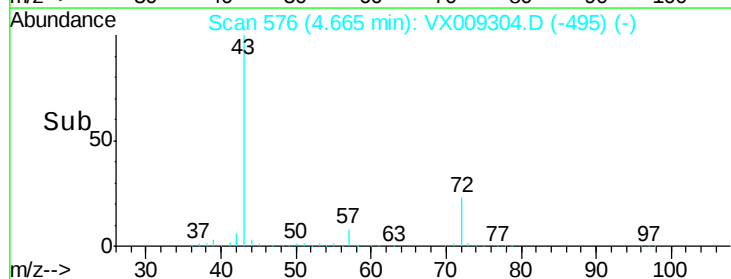
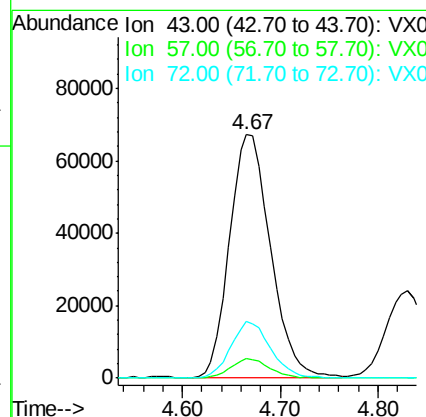
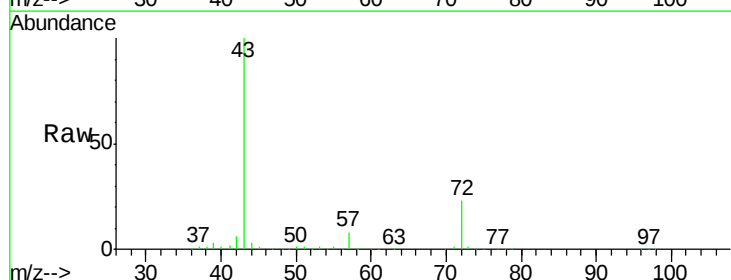
RT: 4.67 min Scan# 576

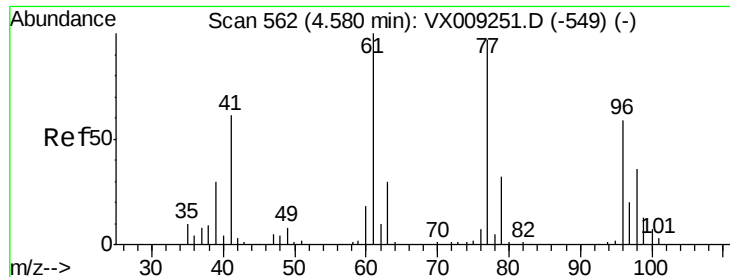
Delta R.T. -0.01 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Tgt Ion:	43	Resp:	194321
Ion Ratio	Lower	Upper	
43	100		
57	7.7	6.0	9.0
72	22.8	18.2	27.4





#31

2,2-Dichloropropane

Concen: 19.034 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS01

Tot Ion: 77 Resp: 53911

Ion Ratio Lower Upper

77 100

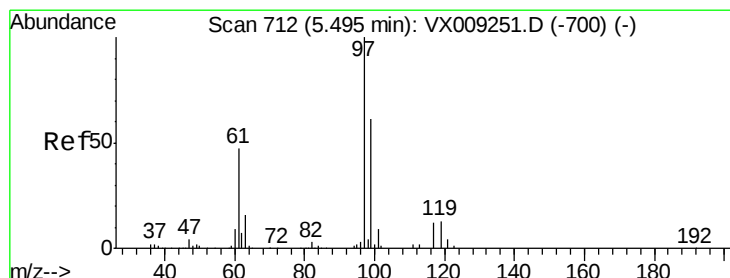
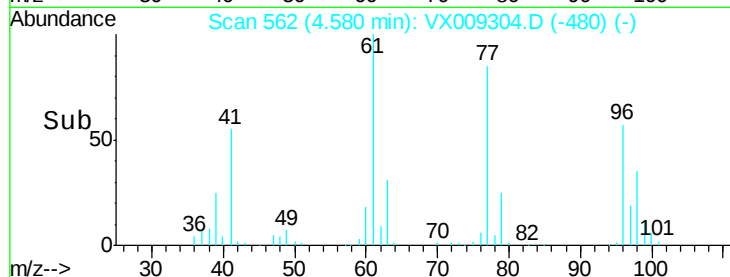
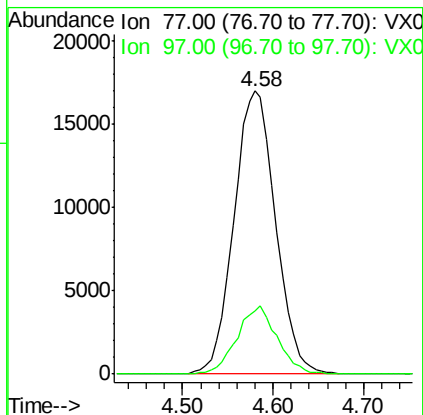
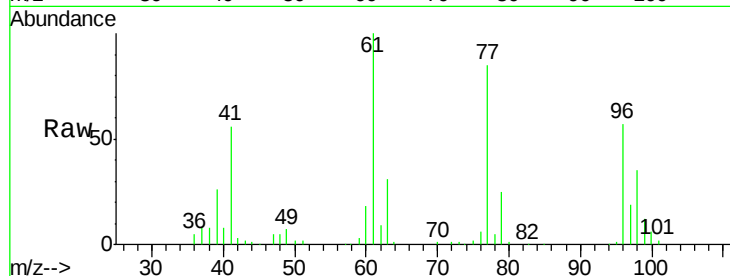
97 23.2 18.3 27.5

Manual Integrations

APPROVED

MMDadoda

5/6/2019 9:28:31 AM



#32

1,1,1-Trichloroethane

Concen: 19.953 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

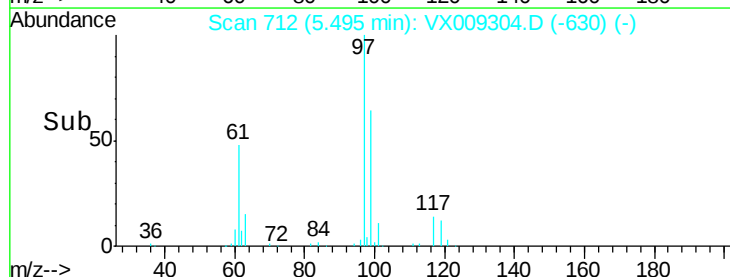
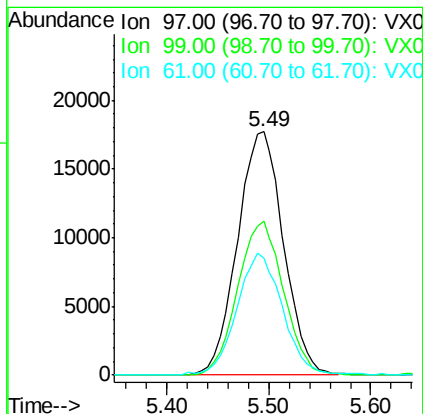
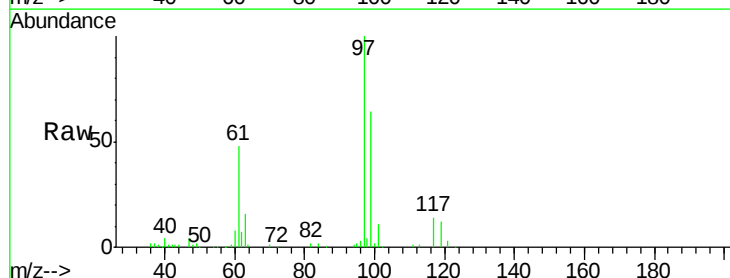
Tgt Ion: 97 Resp: 55572

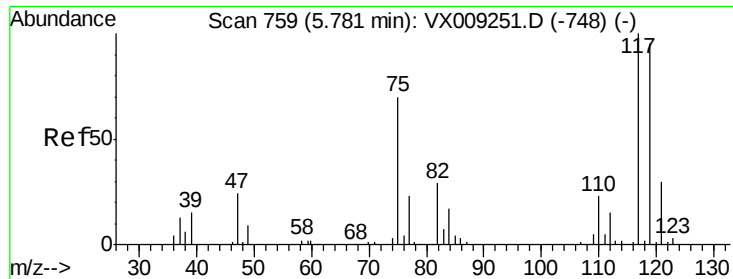
Ion Ratio Lower Upper

97 100

99 63.1 53.9 80.9

61 48.5 38.6 58.0





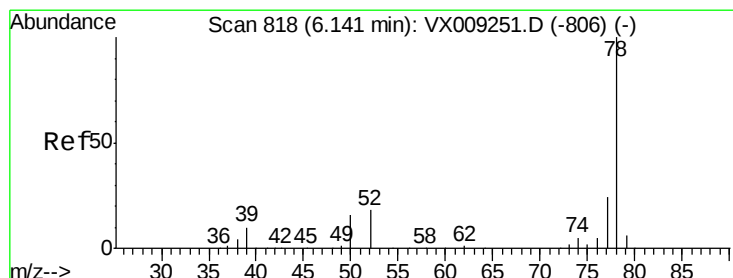
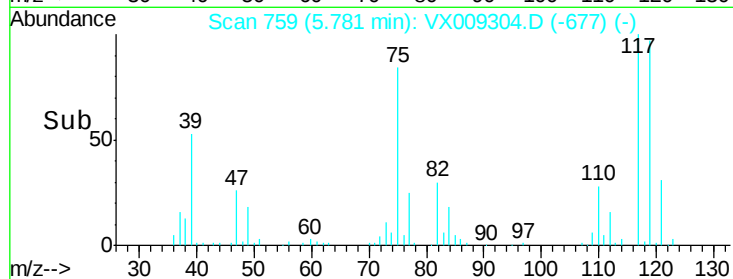
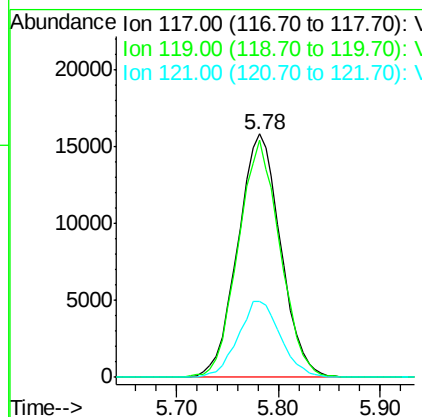
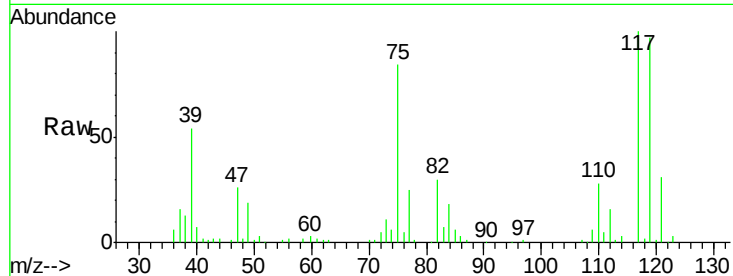
#33
Carbon Tetrachloride
Concen: 19.796 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS01

Tot Ion:117 Resp: 46132
Ion Ratio Lower Upper
117 100
119 96.9 76.1 114.1
121 31.4 24.4 36.6

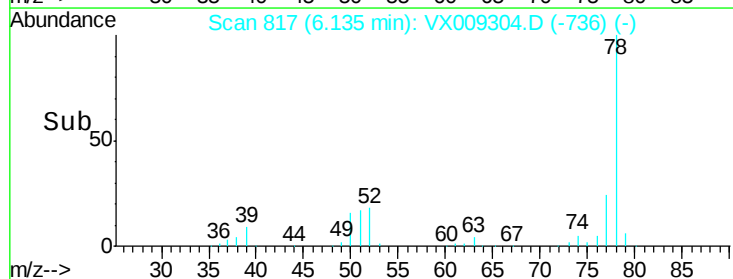
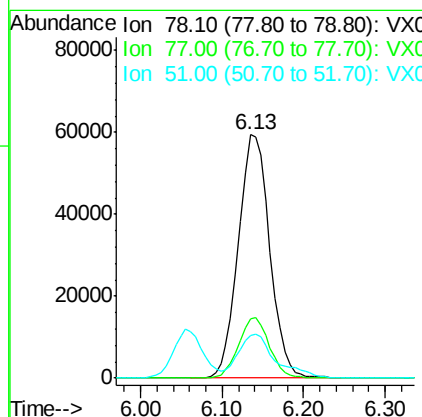
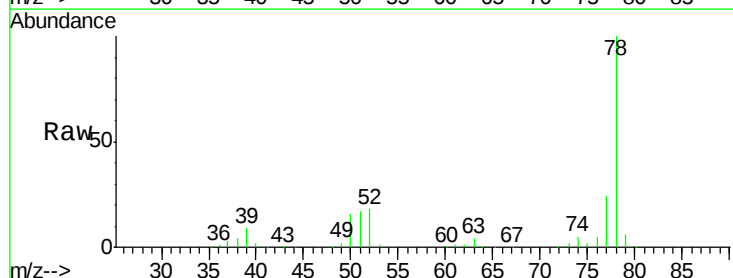
Manual Integrations
APPROVED

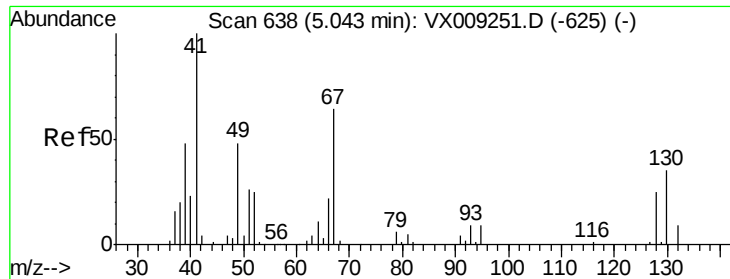
MMDadoda
5/6/2019 9:28:31 AM



#34
Benzene
Concen: 20.047 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Tgt Ion: 78 Resp: 158784
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2
51 17.1 13.5 20.3





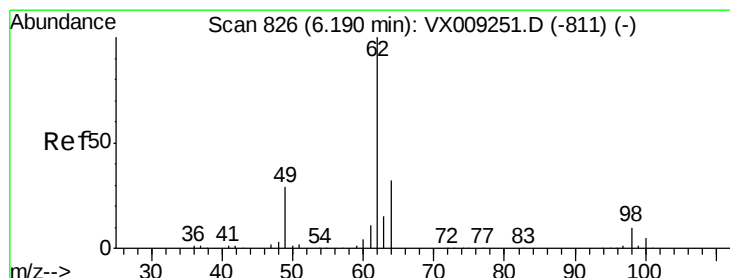
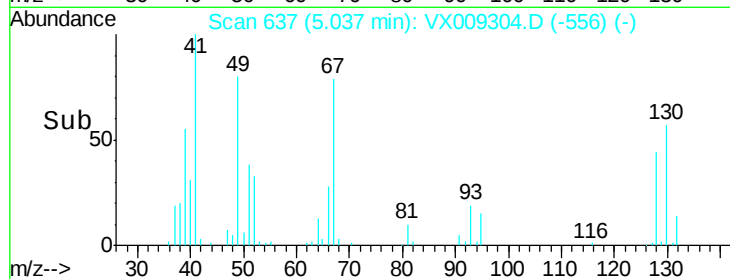
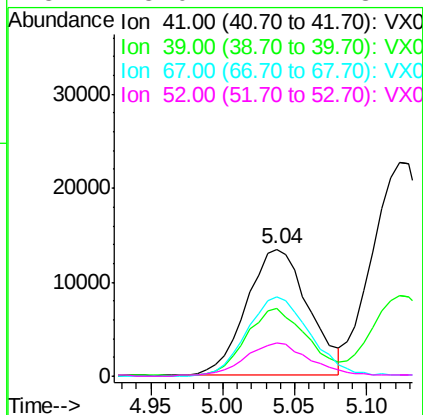
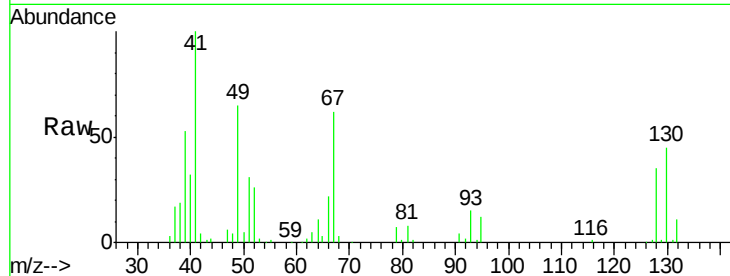
#35
Methacrylonitrile
Concen: 19.085 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	24.1	72.3	
67	62.7	32.2	96.6	
52	25.0	12.4	37.4	

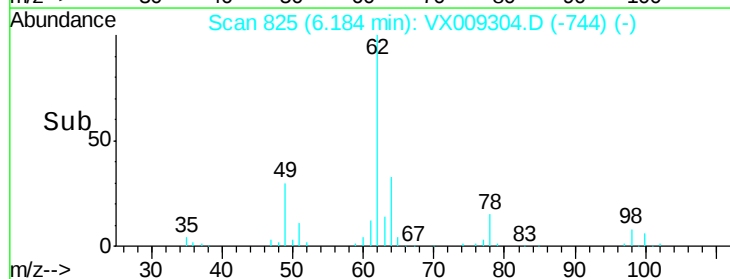
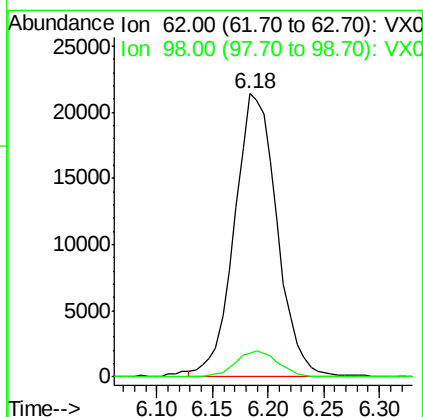
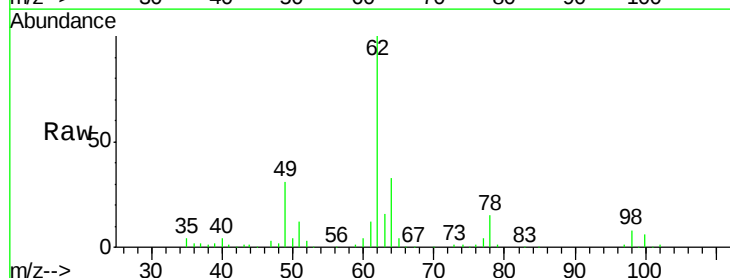
Manual Integrations
APPROVED

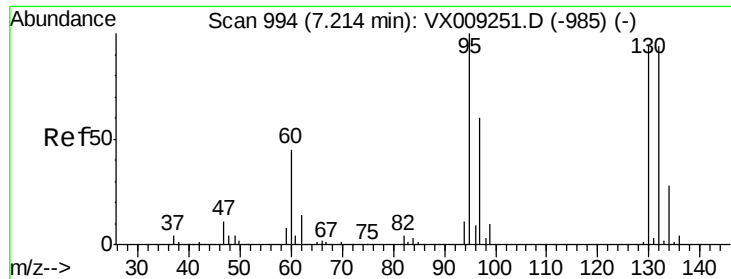
MMDadoda
5/6/2019 9:28:31 AM



#36
1,2-Dichloroethane
Concen: 19.784 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	7.4	11.2	





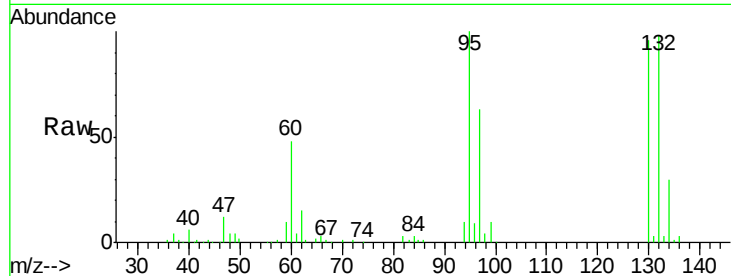
#37
 Trichloroethene
 Concen: 19.659 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009304.D
 Acq: 03 May 2019 11:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBS01

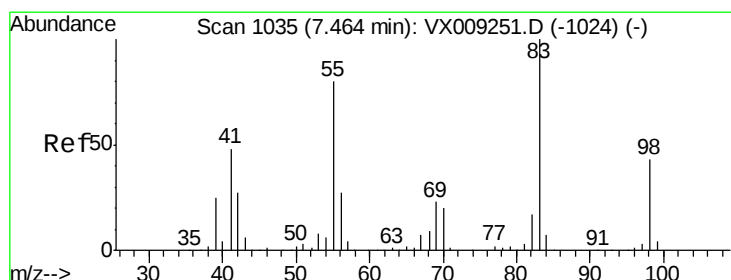
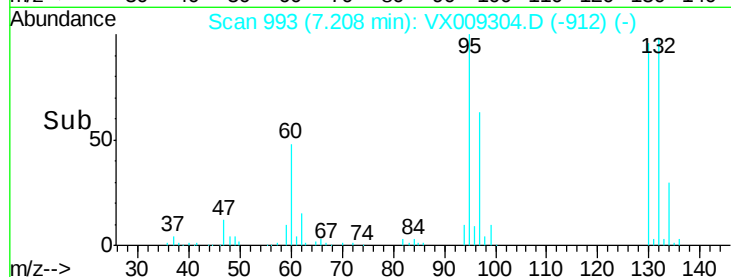
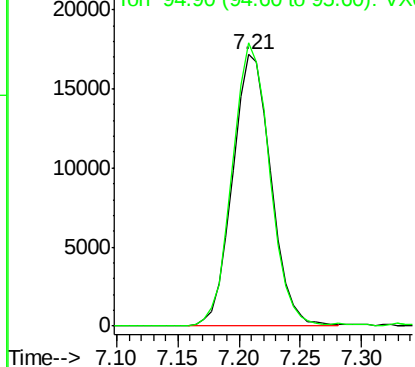
Tot Ion:130 Resp: 37483
 Ion Ratio Lower Upper
 130 100
 95 103.9 85.0 127.4

Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 9:28:31 AM

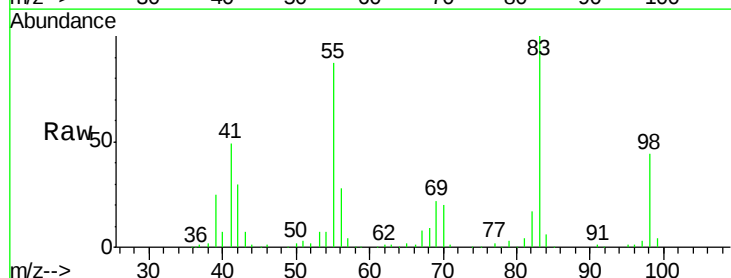


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

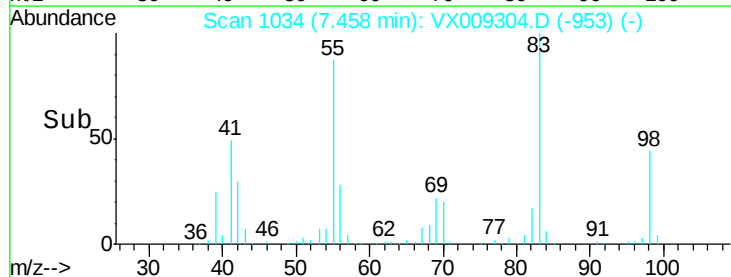
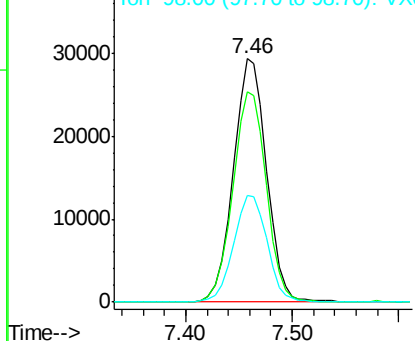


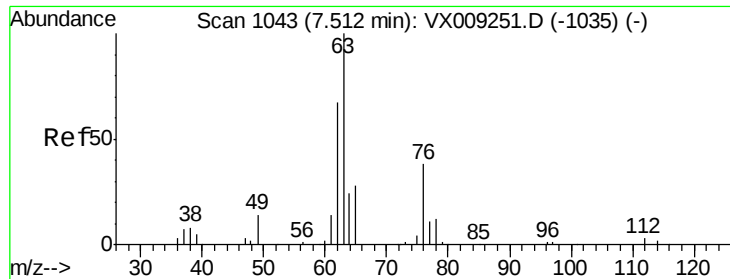
#38
 Methylcyclohexane
 Concen: 20.211 ug/l
 RT: 7.46 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: VX009304.D
 Acq: 03 May 2019 11:57

Tgt Ion: 83 Resp: 64154
 Ion Ratio Lower Upper
 83 100
 55 87.3 43.0 129.2
 98 44.1 22.1 66.1



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





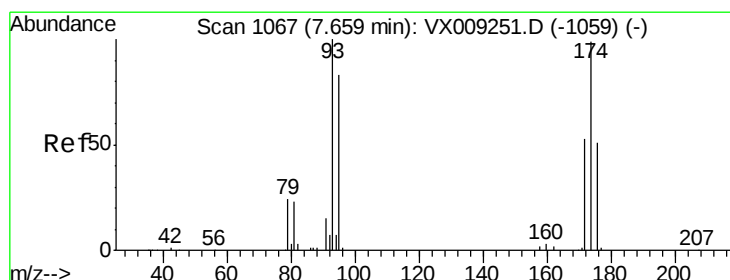
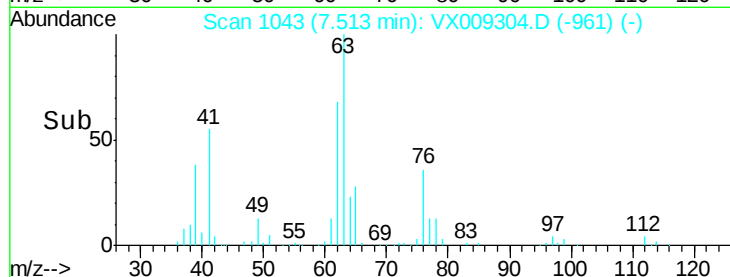
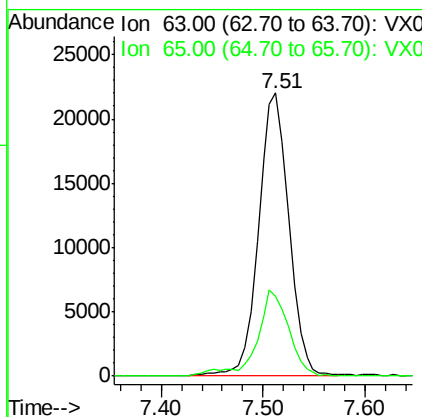
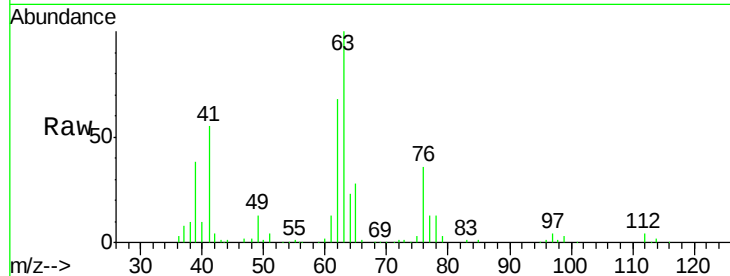
#39
 1,2-Dichloropropane
 Concen: 20.227 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009304.D
 Acq: 03 May 2019 11:57

Instrument :
 MSVOA_X
 ClientSampled :
 VX0503WBS01

Tot Ion: 63 Resp: 45623
 Ion Ratio Lower Upper
 63 100
 65 28.0 24.0 36.0

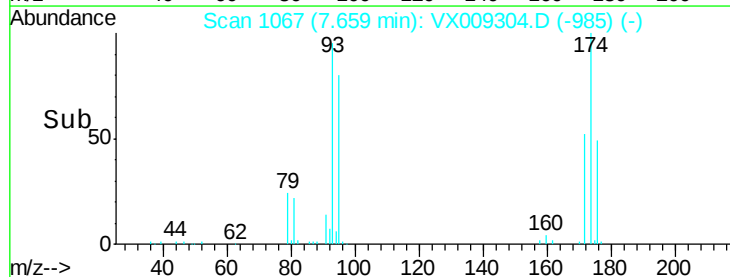
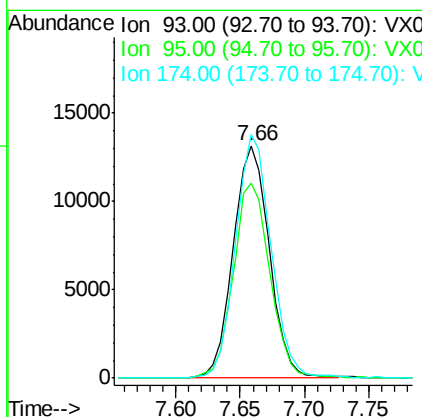
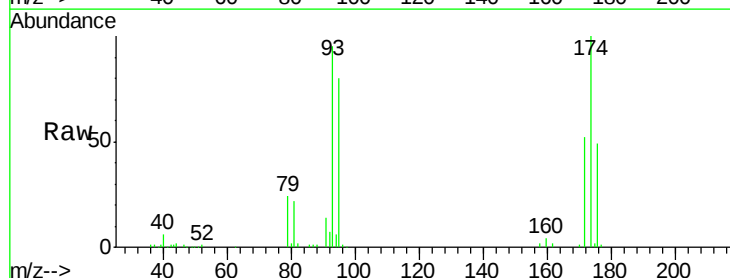
Manual Integrations
 APPROVED

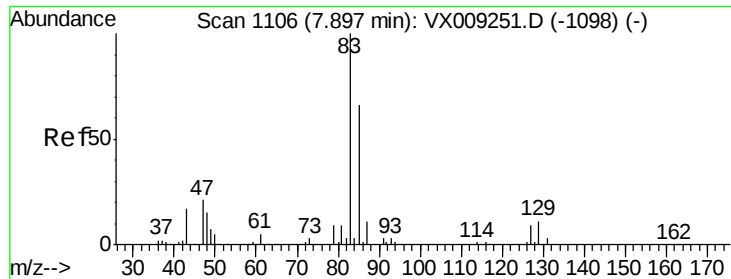
MMDadoda
 5/6/2019 9:28:31 AM



#40
 Dibromomethane
 Concen: 20.034 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009304.D
 Acq: 03 May 2019 11:57

Tgt Ion: 93 Resp: 25647
 Ion Ratio Lower Upper
 93 100
 95 84.9 0.0 167.2
 174 102.9 0.0 203.4





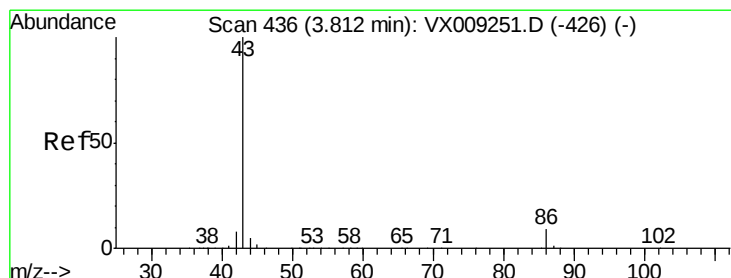
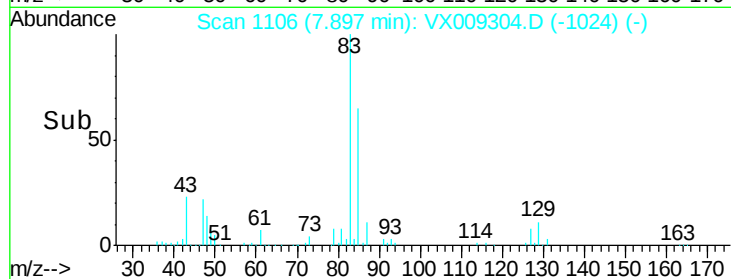
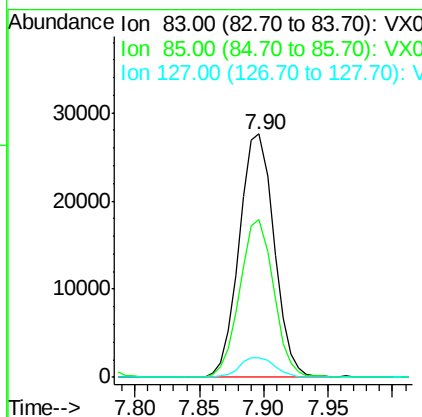
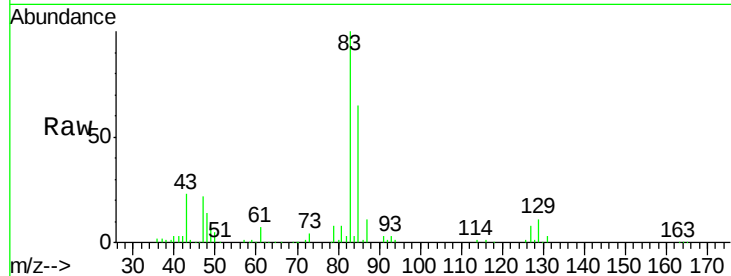
#41
Bromodichloromethane
Concen: 19.874 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS01

Tot Ion	83	Resp	51971
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	52.6	79.0
127	8.1	6.9	10.3

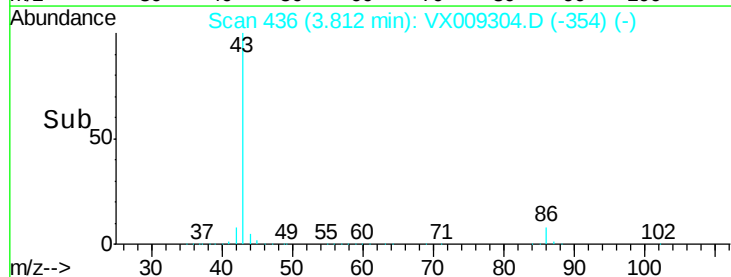
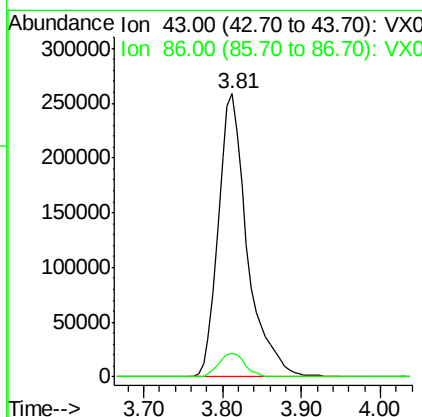
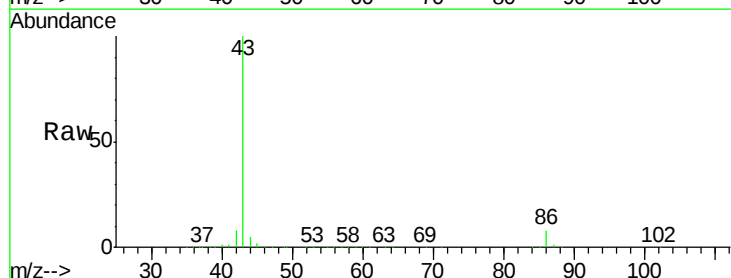
Manual Integrations
APPROVED

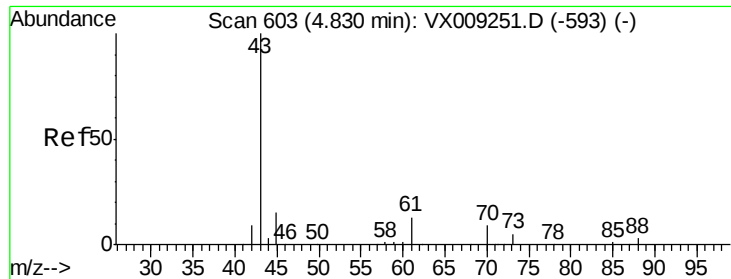
MMDadoda
5/6/2019 9:28:31 AM



#42
Vinyl Acetate
Concen: 99.584 ug/l
RT: 3.81 min Scan# 436
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Tgt Ion	43	Resp	661303
Ion Ratio	100	Lower	Upper
43	100		
86	7.6	6.0	9.0





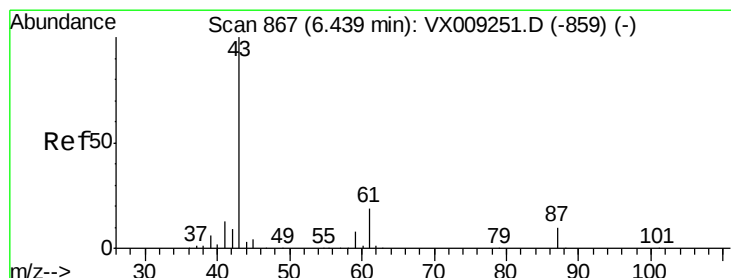
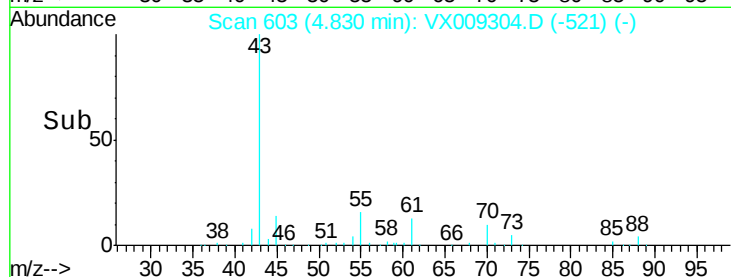
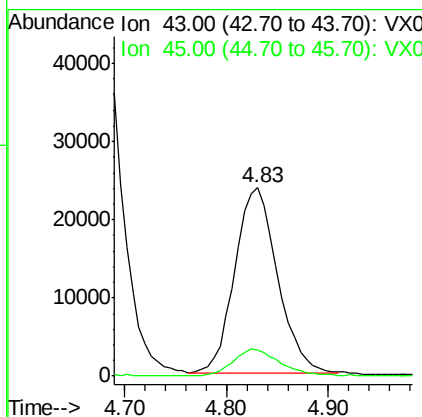
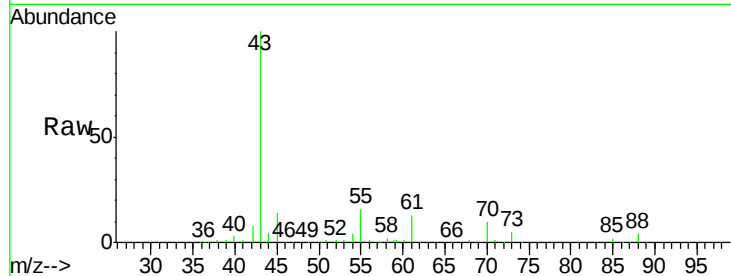
#43
Ethyl Acetate
Concen: 18.963 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS01

Tot Ion: 43 Resp: 68943
Ion Ratio Lower Upper
43 100
45 16.3 11.8 17.8

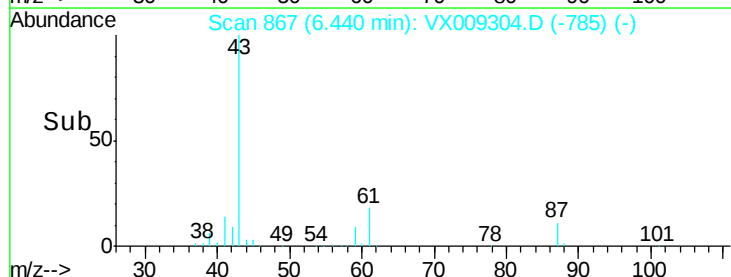
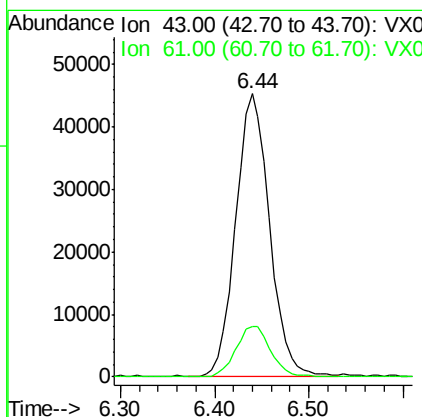
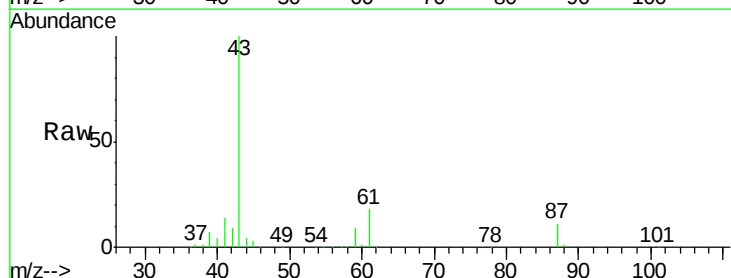
Manual Integrations
APPROVED

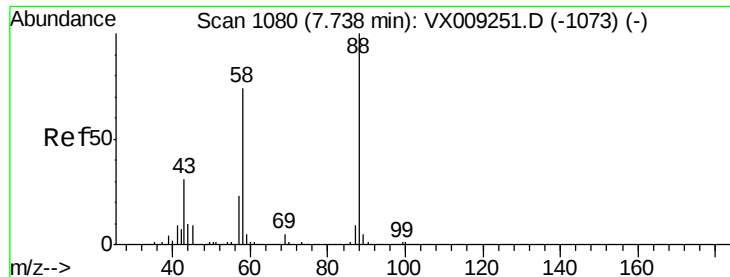
MMDadoda
5/6/2019 9:28:31 AM



#44
Isopropyl Acetate
Concen: 19.282 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Tgt Ion: 43 Resp: 113568
Ion Ratio Lower Upper
43 100
61 18.5 15.4 23.2





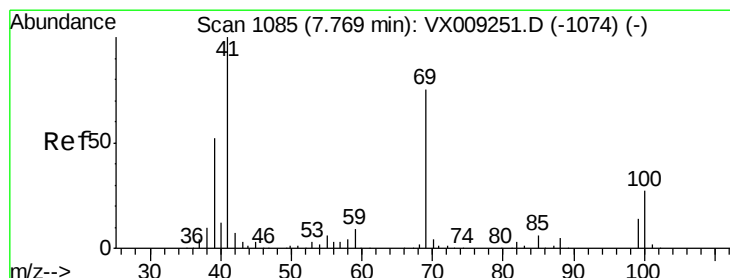
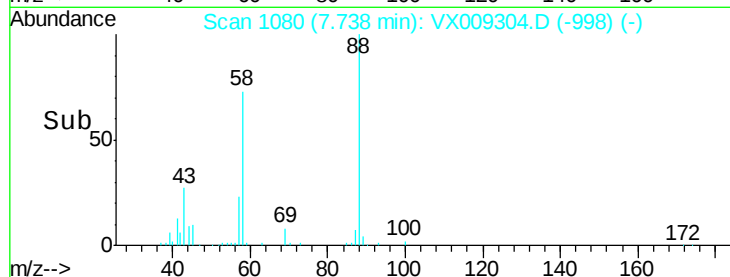
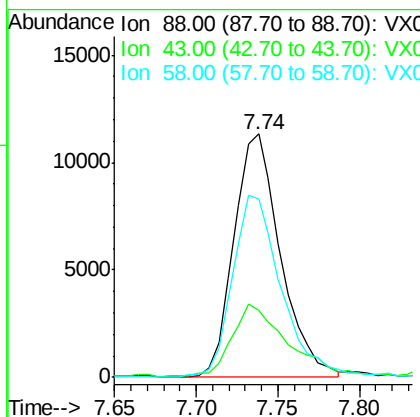
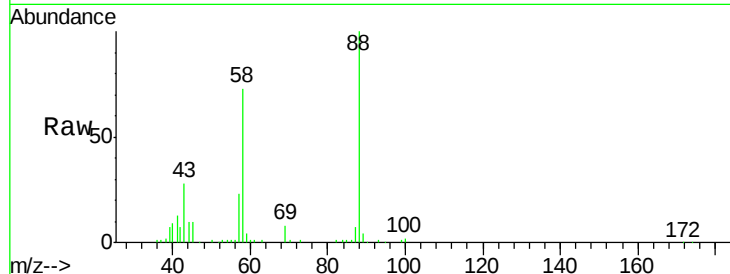
#45
 1,4-Dioxane
 Concen: 389.443 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX009304.D
 Acq: 03 May 2019 11:57

Instrument :
 MSVOA_X
 ClientSampled :
 VX0503WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	28.5	42.7
58	78.5	62.5	93.7

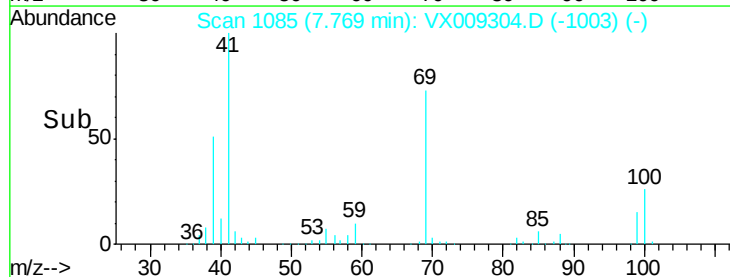
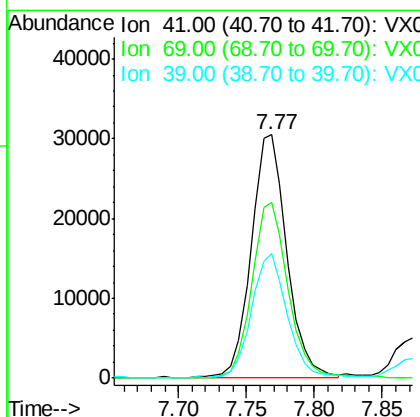
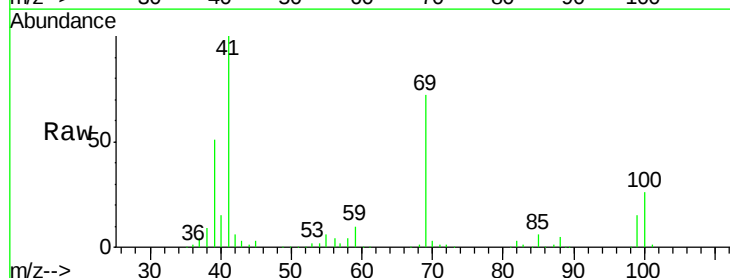
Manual Integrations
 APPROVED

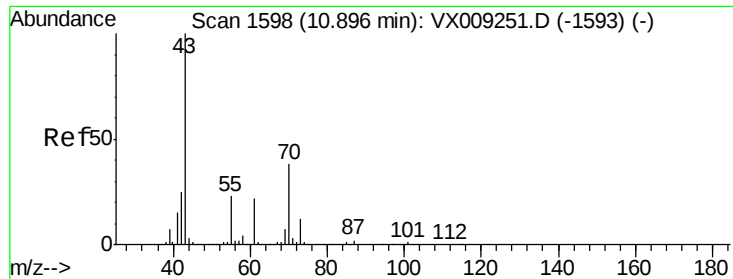
MMDadoda
 5/6/2019 9:28:31 AM



#46
 Methyl methacrylate
 Concen: 18.966 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX009304.D
 Acq: 03 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
41	100		
69	72.6	37.6	112.8
39	51.3	25.8	77.3





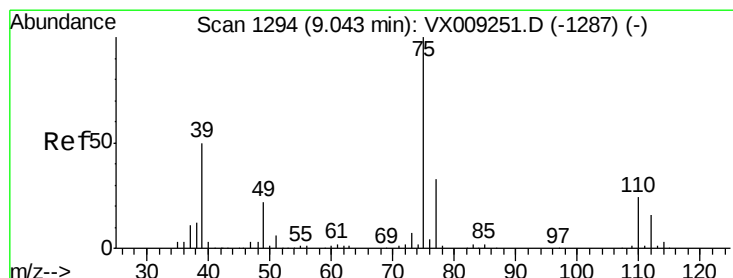
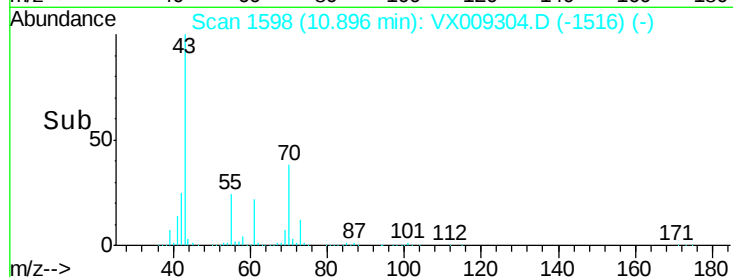
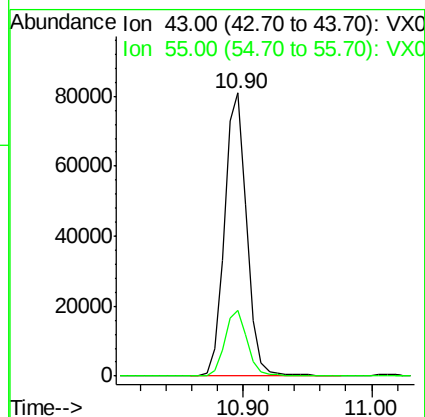
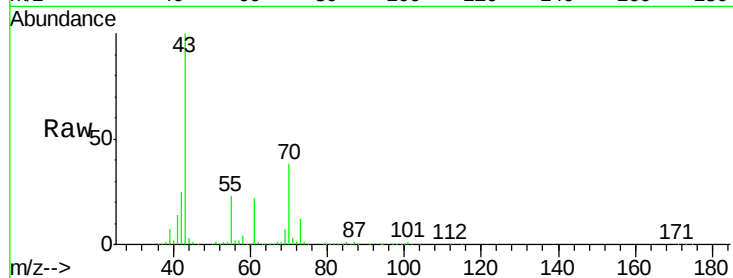
#47
n-amvl Acetate
Concen: 18.584 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS01

Tot Ion: 43 Resp: 98602
Ion Ratio Lower Upper
43 100
55 23.5 18.2 27.4

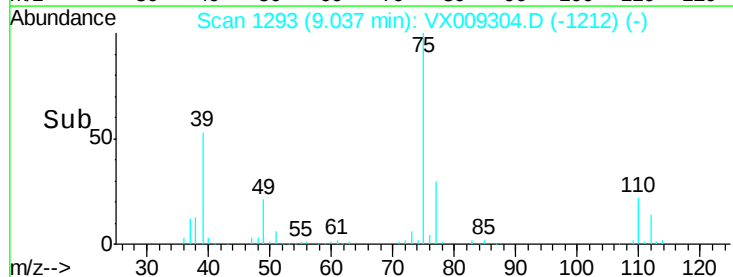
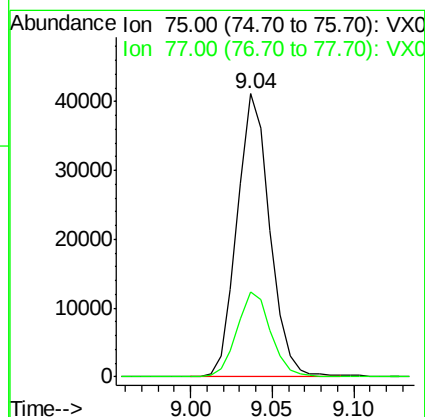
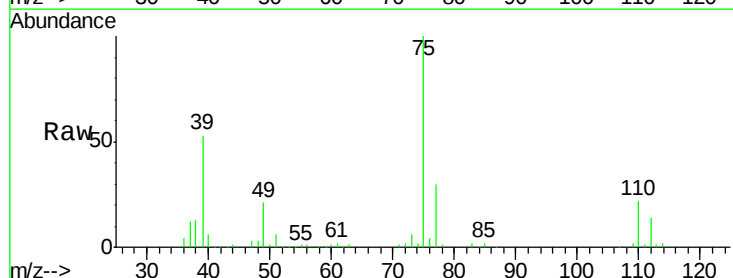
Manual Integrations
APPROVED

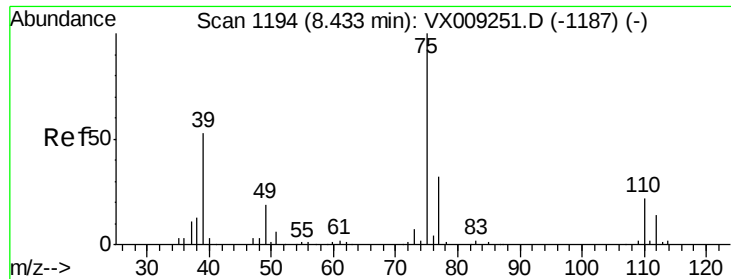
MMDadoda
5/6/2019 9:28:31 AM



#48
t-1,3-Dichloropropene
Concen: 18.867 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Tgt Ion: 75 Resp: 57566
Ion Ratio Lower Upper
75 100
77 30.1 26.5 39.7





#49

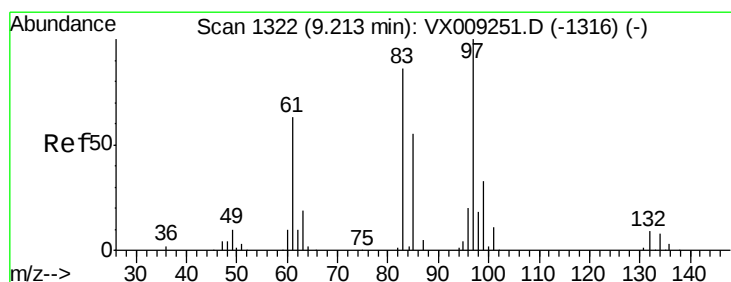
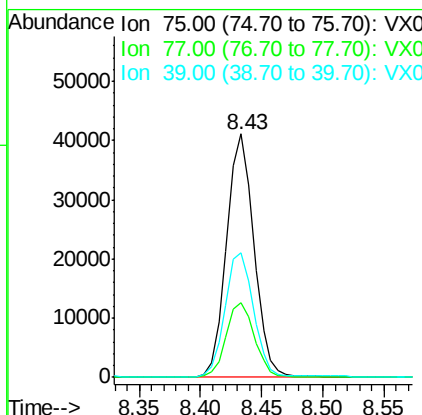
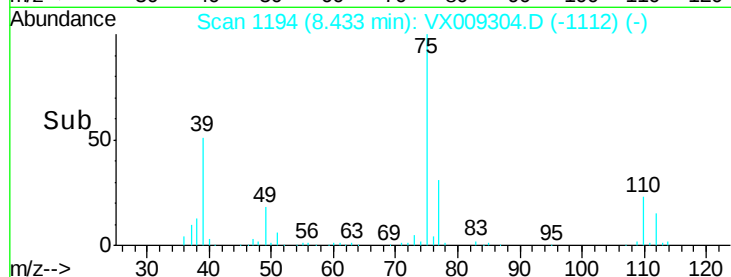
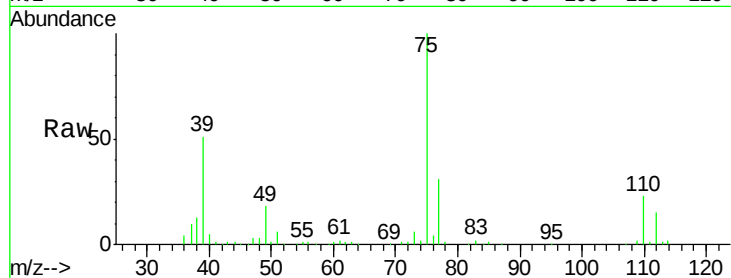
cis-1,3-Dichloropropene
Concen: 19.103 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.0	39.0
39	51.0	42.6	63.8

Manual Integrations
APPROVED

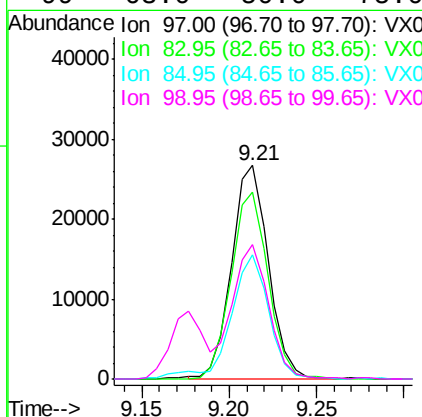
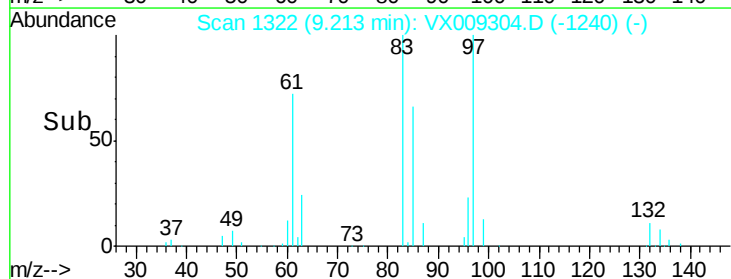
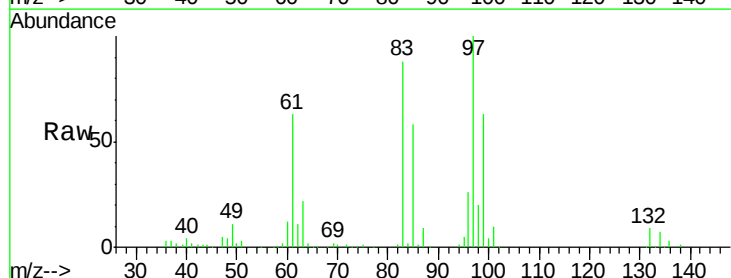
MMDadoda
5/6/2019 9:28:31 AM

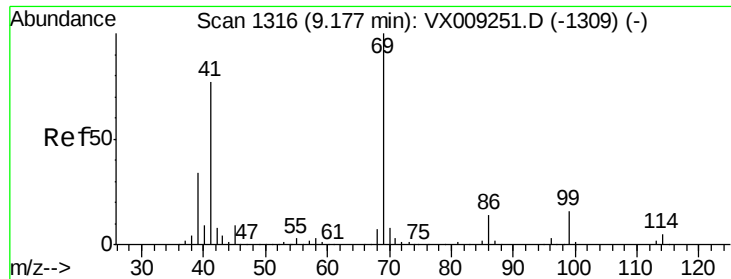


#50

1,1,2-Trichloroethane
Concen: 19.728 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.1	68.8	103.2
85	58.0	45.8	68.6
99	63.0	50.0	75.0





#51

Ethyl methacrylate

Concen: 19.212 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Instrument :

MSVOA_X

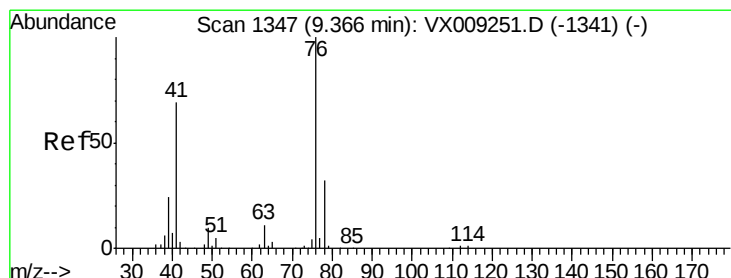
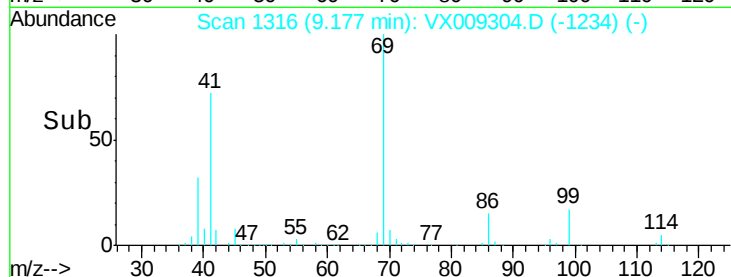
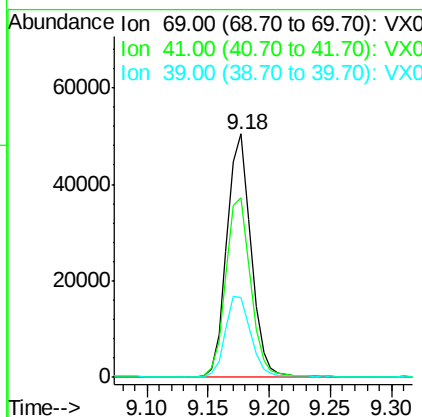
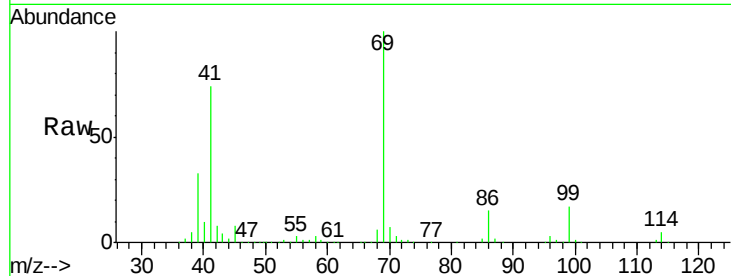
ClientSampled :

VX0503WBS01

Tot Ion:	69	Resp:	69636
Ion	Ratio	Lower	Upper
69	100		
41	73.3	38.4	115.2
39	32.3	17.2	51.5

Manual Integrations
APPROVED

MMDadoda
5/6/2019 9:28:31 AM



#52

1,3-Dichloropropane

Concen: 19.936 ug/l

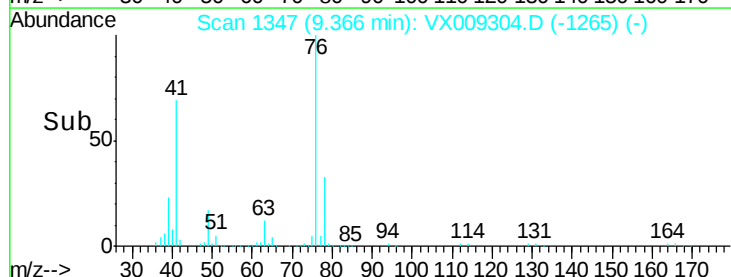
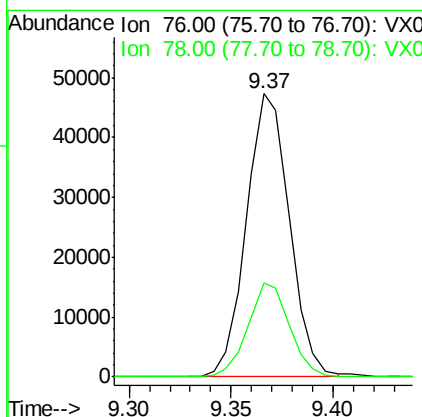
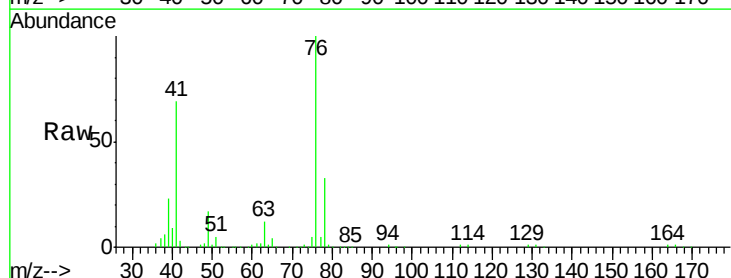
RT: 9.37 min Scan# 1347

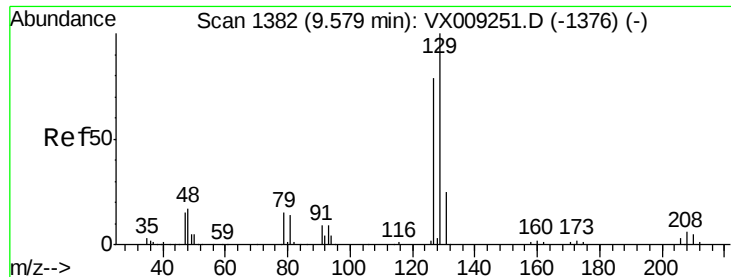
Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Tgt Ion:	76	Resp:	69396
Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	64.2





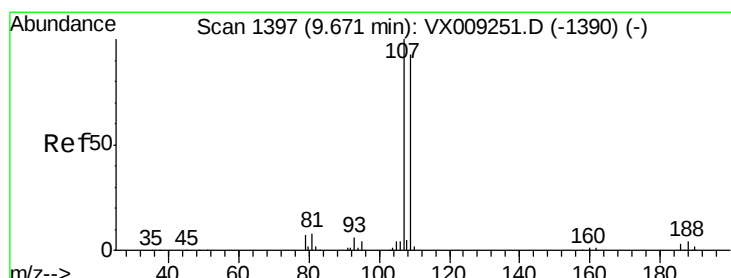
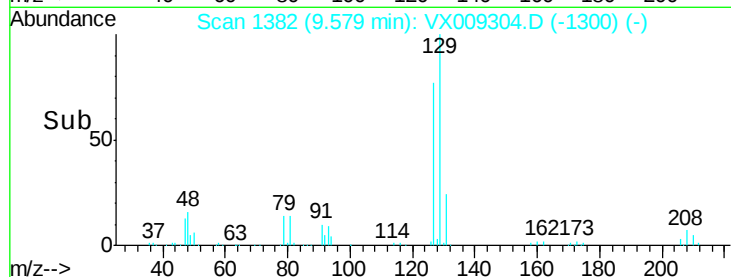
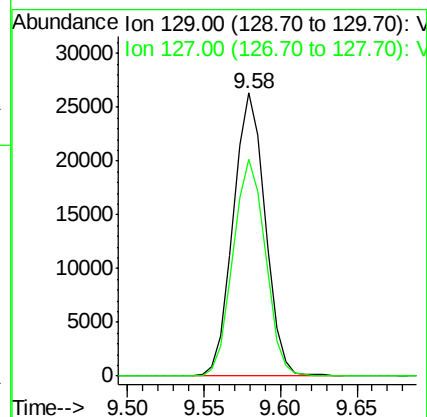
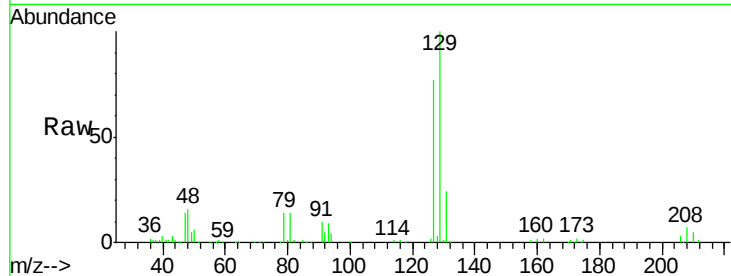
#53
Dibromochloromethane
Concen: 19.599 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS01

Tot Ion:129 Resp: 38283
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.5

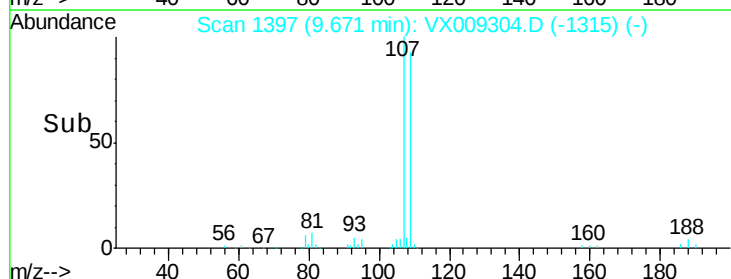
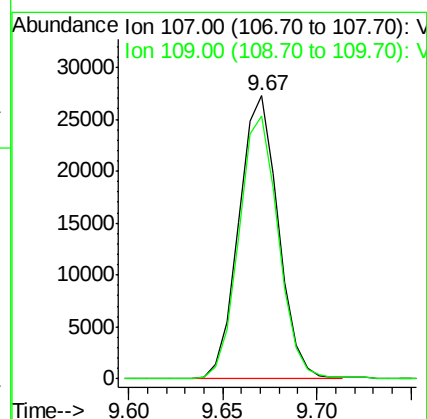
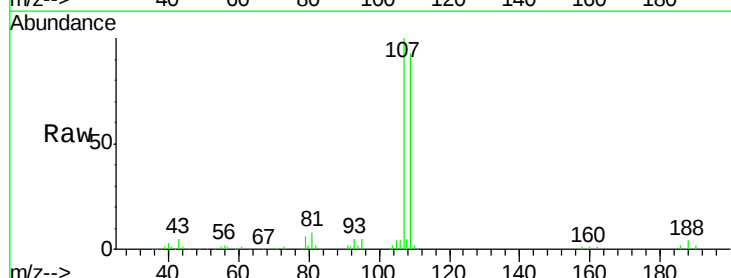
Manual Integrations
APPROVED

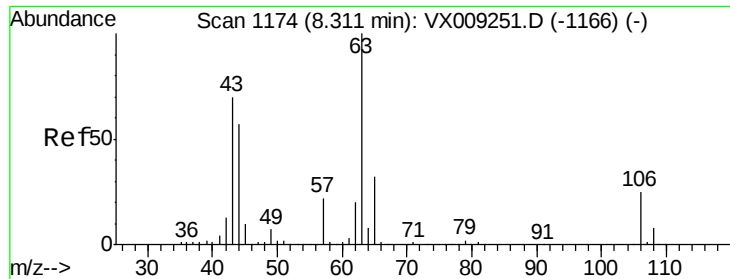
MMDadoda
5/6/2019 9:28:31 AM



#54
1,2-Dibromoethane
Concen: 19.674 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Tgt Ion:107 Resp: 39576
Ion Ratio Lower Upper
107 100
109 92.6 75.5 113.3





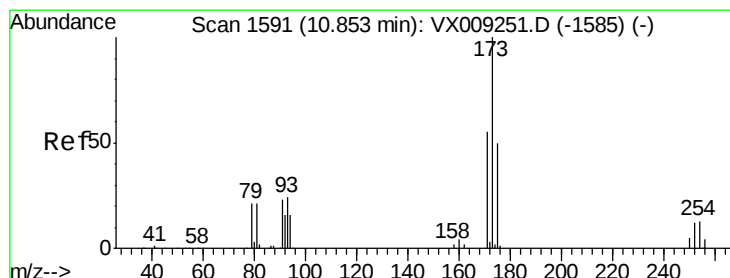
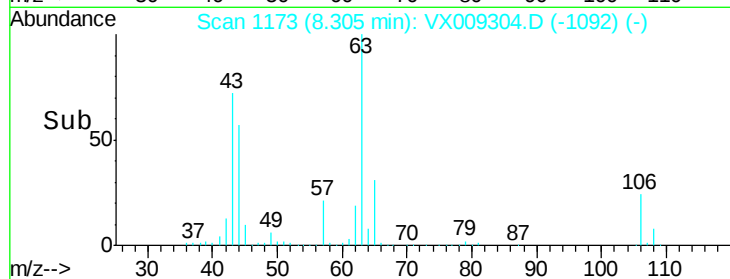
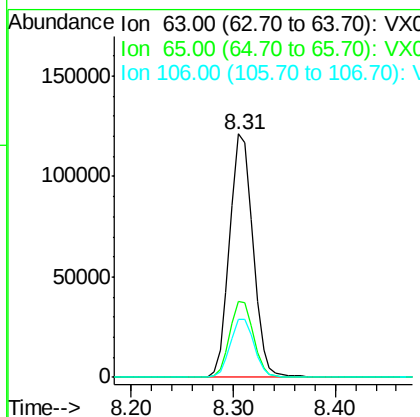
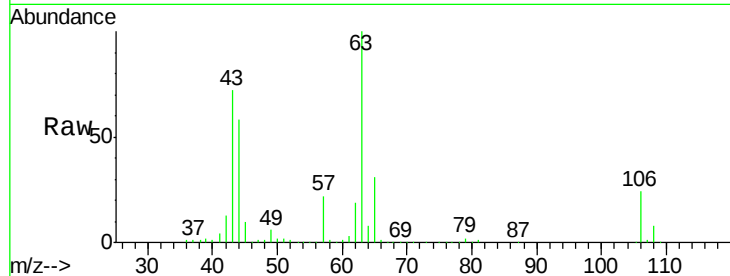
#55
2-Chloroethyl vinyl ether
Concen: 99.588 ug/l
RT: 8.31 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.8	38.6
106	24.4	19.8	29.6

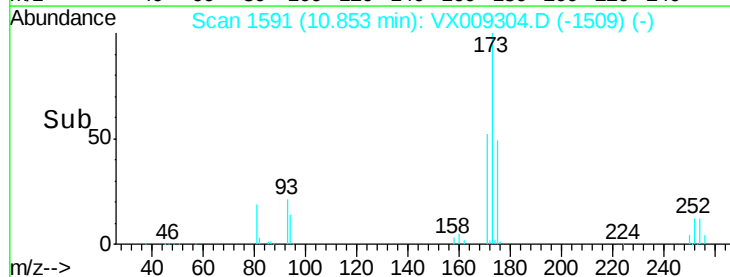
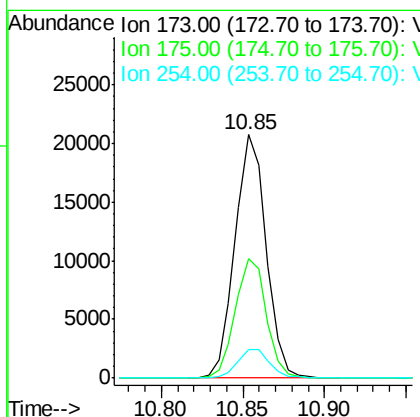
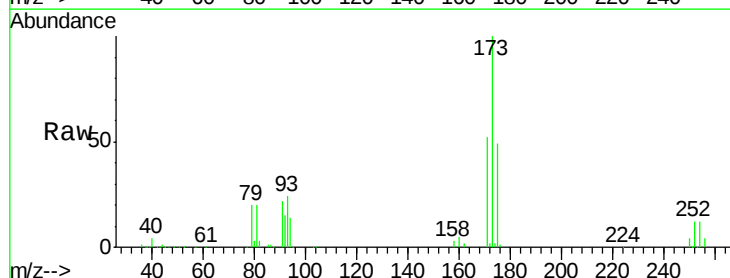
Manual Integrations
APPROVED

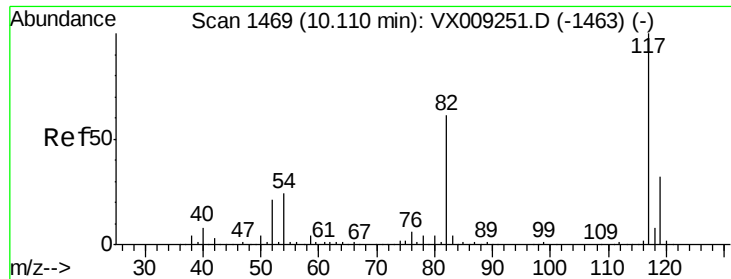
MMDadoda
5/6/2019 9:28:31 AM



#56
Bromoform
Concen: 18.437 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.4	59.2
254	12.1	9.9	14.9





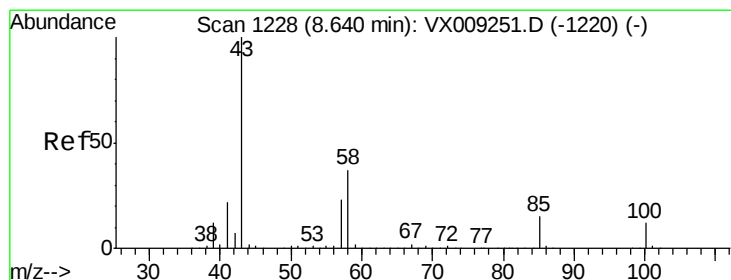
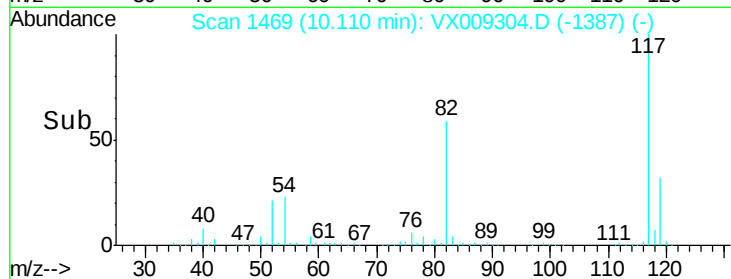
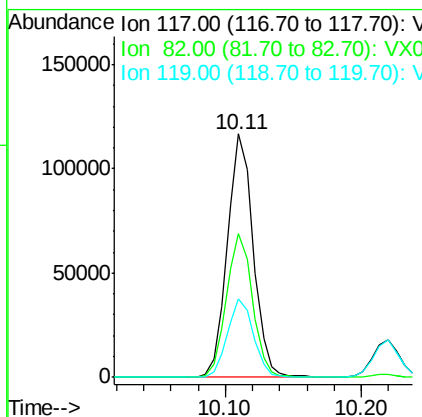
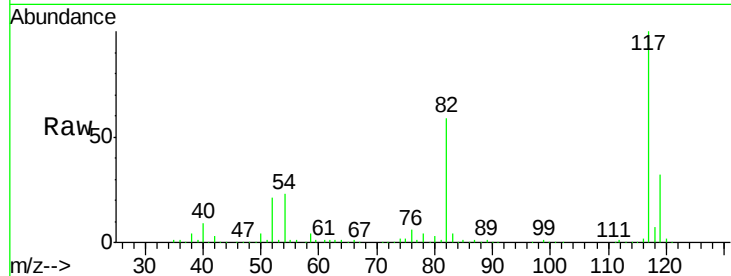
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Instrument :
MSVOA_X
ClientSampled :
VX0503WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.8	71.8
119	32.6	25.6	38.4

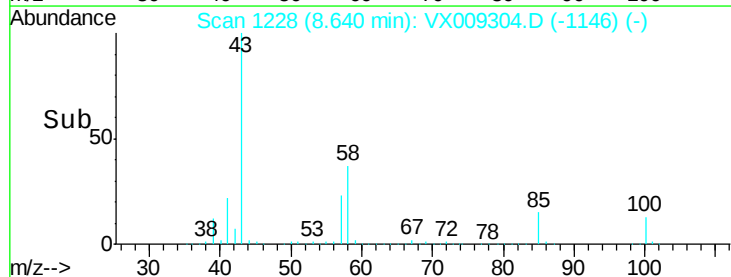
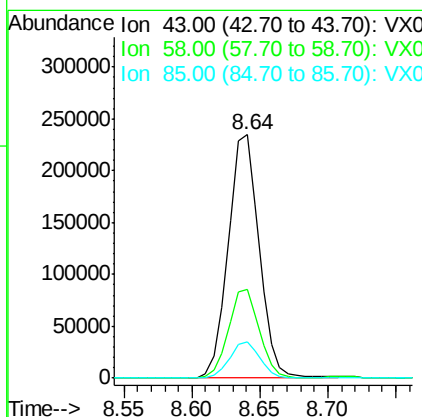
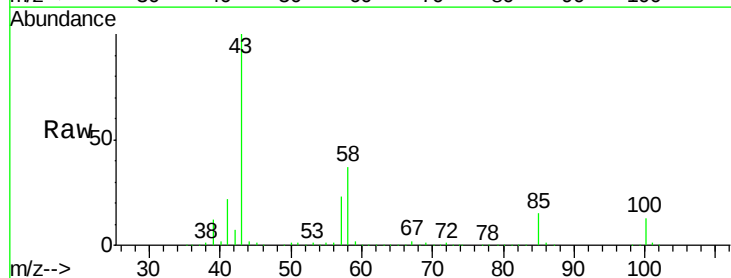
Manual Integrations
APPROVED

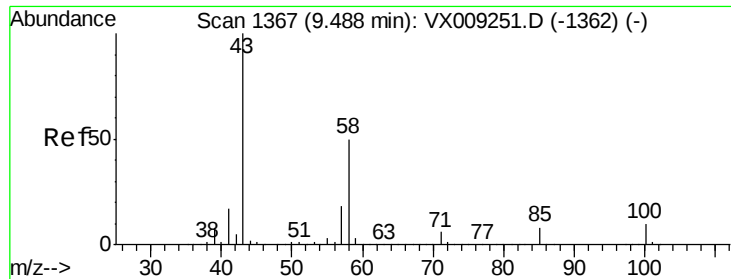
MMDadoda
5/6/2019 9:28:31 AM



#58
4-Methyl-2-Pentanone
Concen: 97.581 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.4	44.0
85	14.8	11.8	17.8





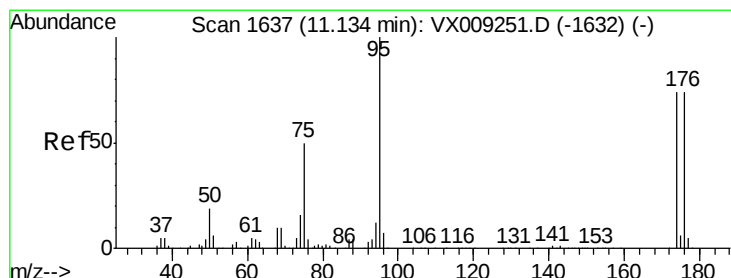
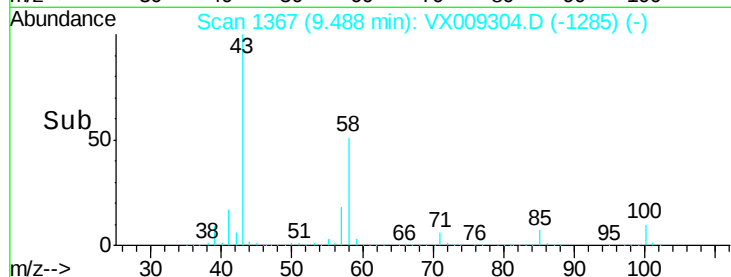
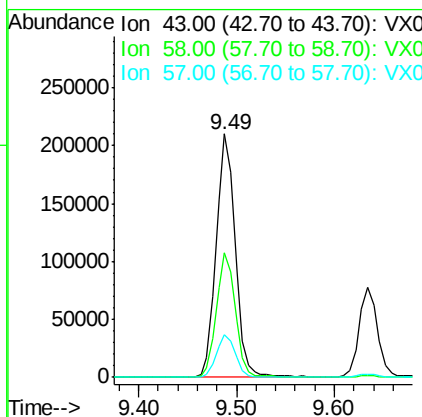
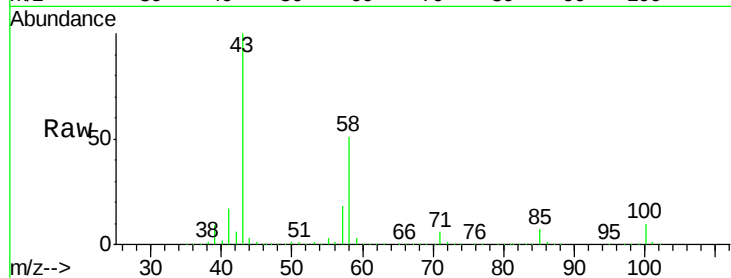
#59
2-Hexanone
Concen: 95.332 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Instrument :
MSVOA_X
ClientSampled :
VX0503WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.0	40.8	61.2
57	17.7	14.1	21.1

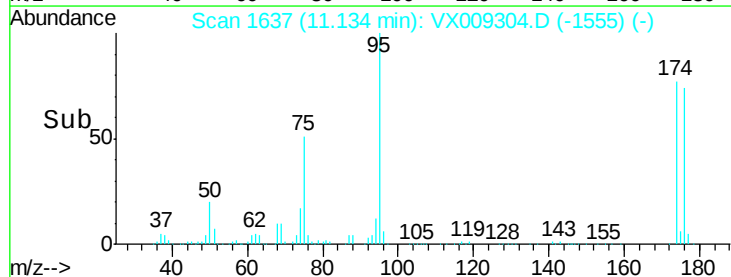
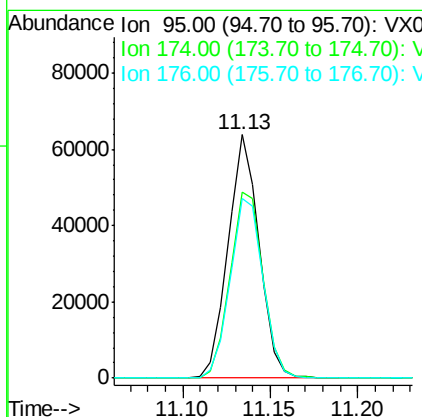
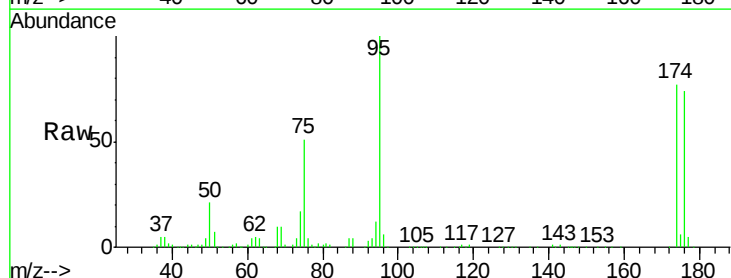
Manual Integrations
APPROVED

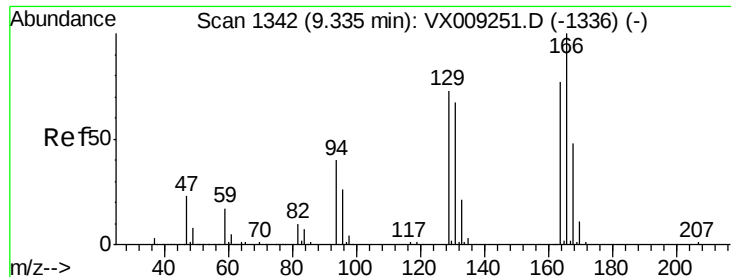
MMDadoda
5/6/2019 9:28:31 AM



#60
4-Bromofluorobenzene
Concen: 29.855 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.3	63.6	95.4
176	78.2	62.4	93.6





#61

Tetrachloroethene

Concen: 20.239 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS01

Tot Ion:164 Resp: 34568

Ion Ratio Lower Upper

164 100

166 127.3 104.1 156.1

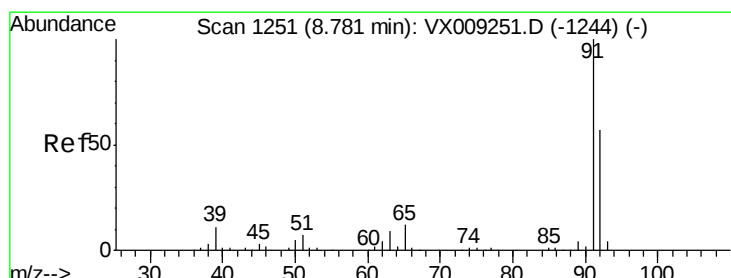
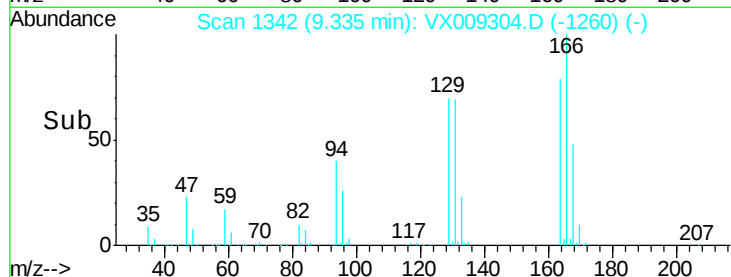
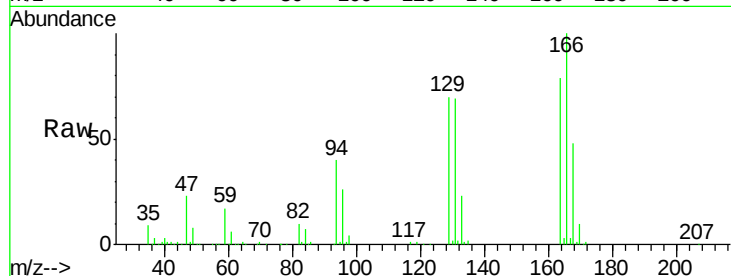
129 89.6 76.0 114.0

131 87.7 70.1 105.1

Manual Integrations
APPROVED

MMDadoda

5/6/2019 9:28:31 AM



#62

Toluene

Concen: 19.991 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX009304.D

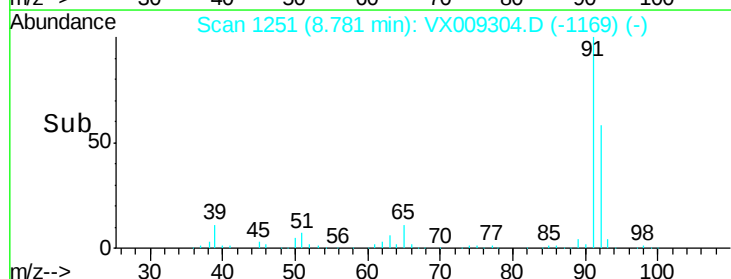
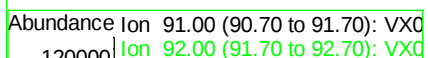
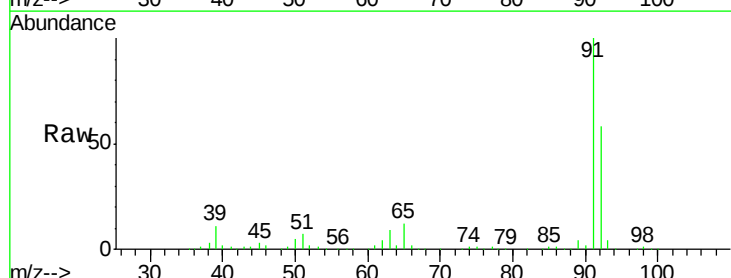
Acq: 03 May 2019 11:57

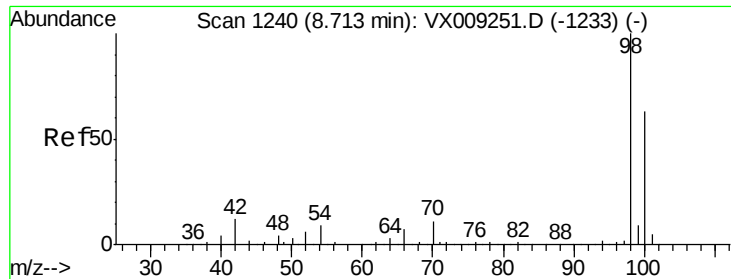
Tgt Ion: 91 Resp: 165499

Ion Ratio Lower Upper

91 100

92 57.7 46.1 69.1





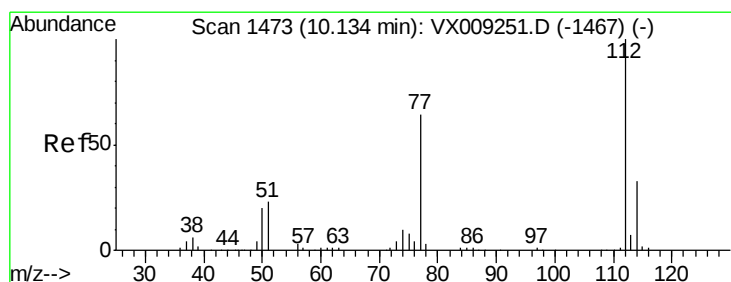
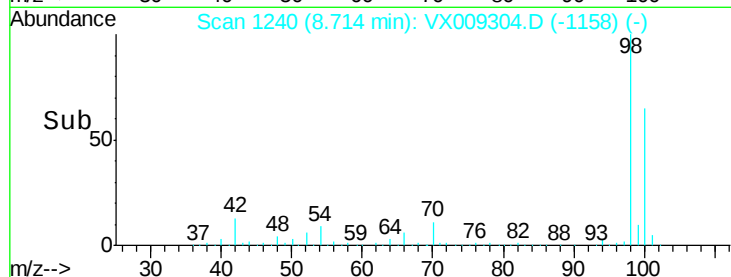
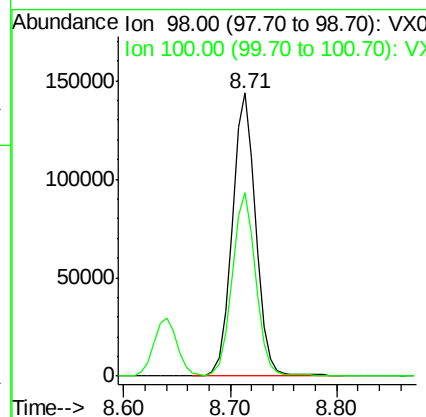
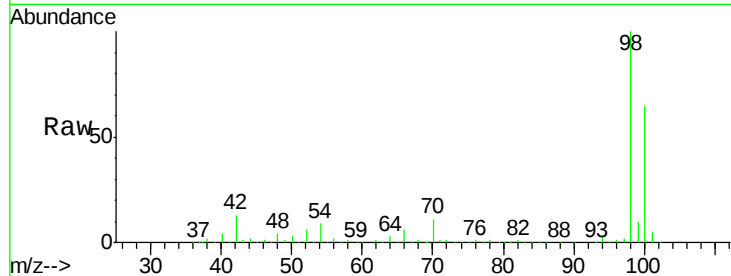
#63
Toluene-d8
Concen: 30.379 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS01

Tot Ion: 98 Resp: 223148
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5

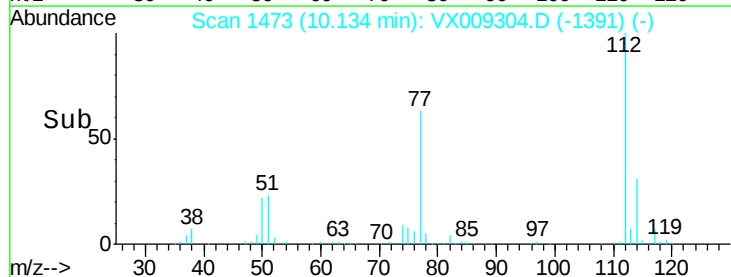
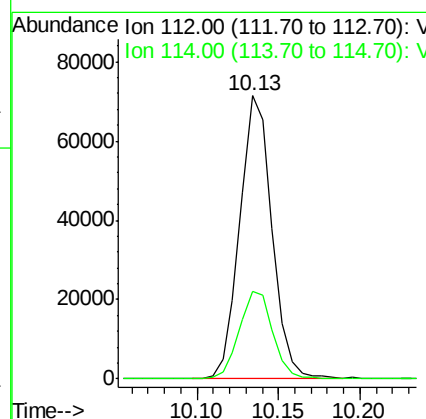
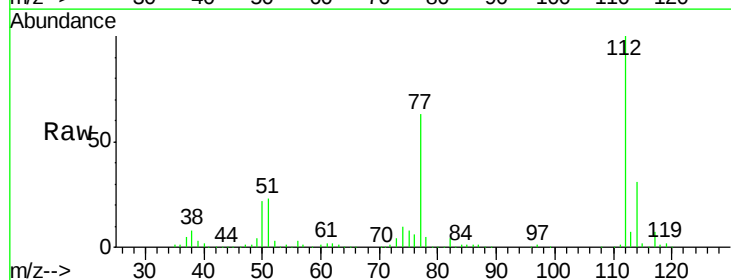
Manual Integrations
APPROVED

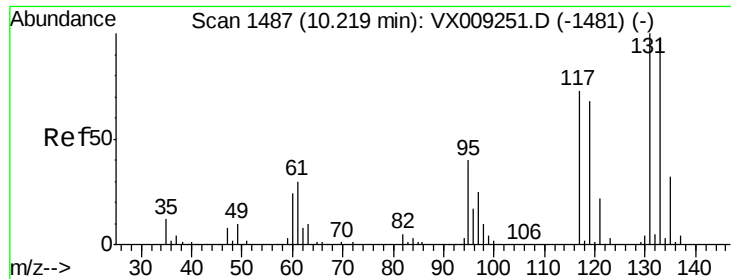
MMDadoda
5/6/2019 9:28:31 AM



#64
Chlorobenzene
Concen: 19.757 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Tgt Ion: 112 Resp: 98441
Ion Ratio Lower Upper
112 100
114 30.8 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.554 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Instrument :

MSVOA_X

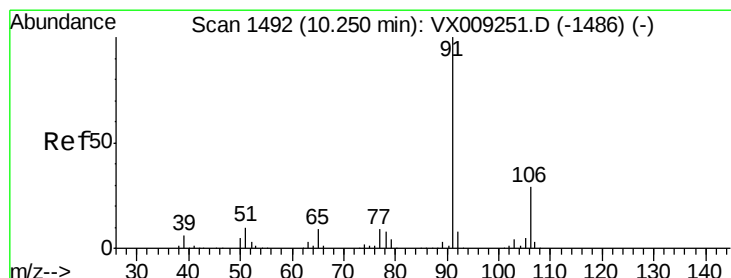
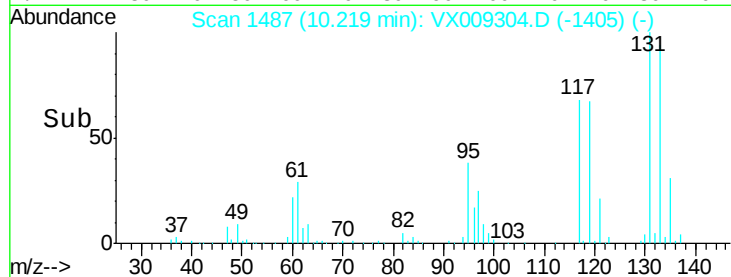
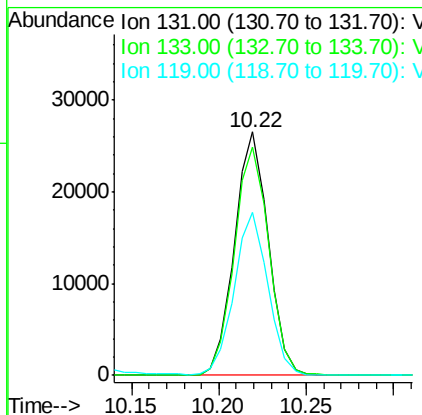
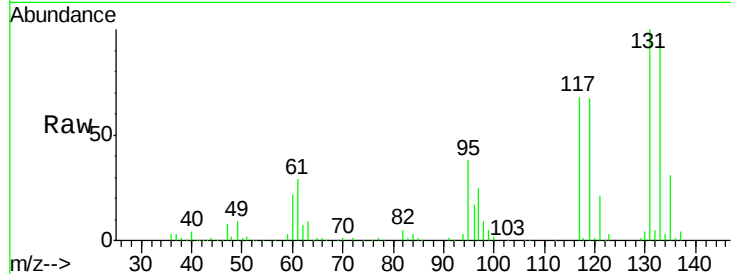
ClientSampled :

VX0503WBS01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	35673		
133	95.8	0.0	191.2	
119	66.7	0.0	135.4	

Manual Integrations
APPROVED

MMDadoda
5/6/2019 9:28:31 AM



#66

Ethyl Benzene

Concen: 19.790 ug/l

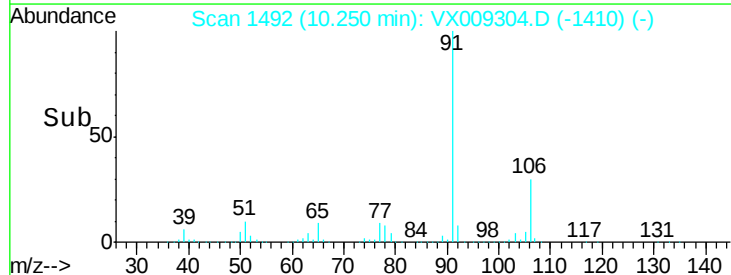
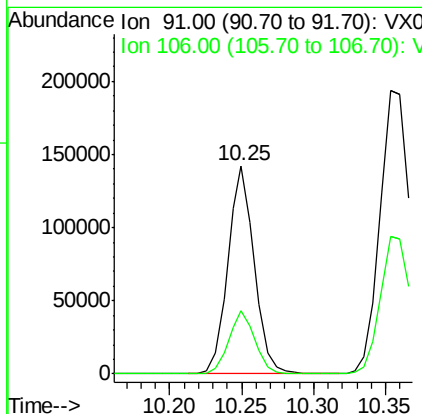
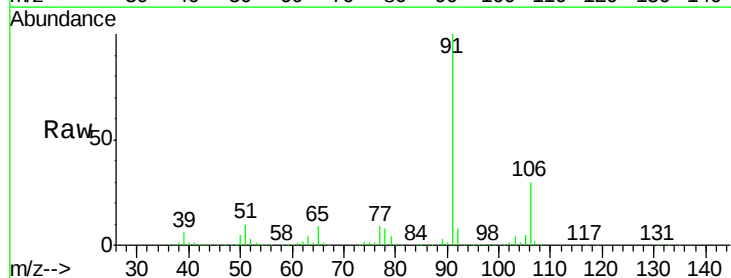
RT: 10.25 min Scan# 1492

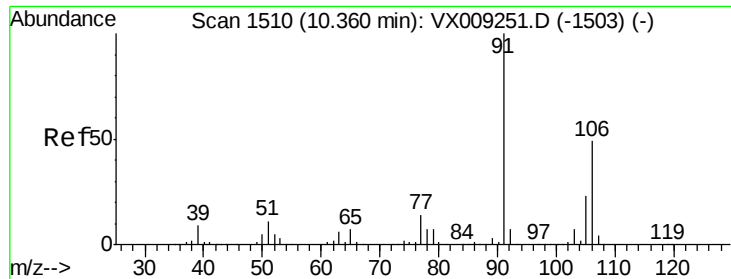
Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	182523		
106	30.2	23.5	35.3	





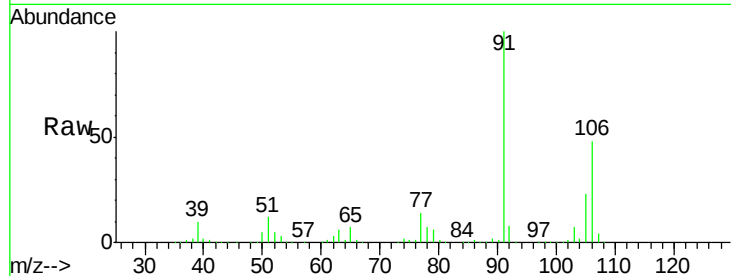
#67
m/p-Xvlenes
Concen: 40.121 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Instrument :
MSVOA_X
ClientSampled :
VX0503WBS01

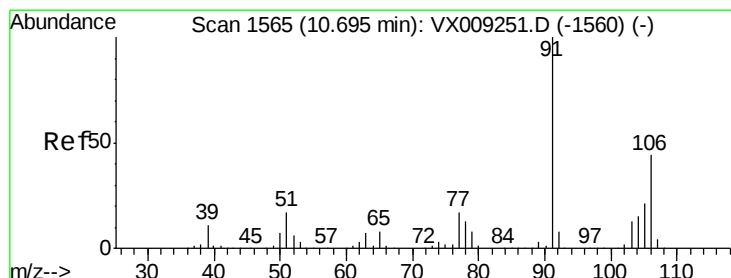
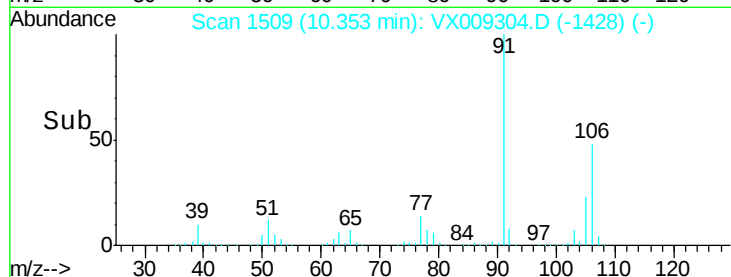
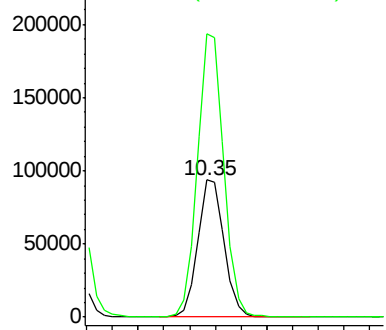
Tot Ion:106 Resp: 135102
Ion Ratio Lower Upper
106 100
91 205.5 166.8 250.2

Manual Integrations
APPROVED

MMDadoda
5/6/2019 9:28:31 AM

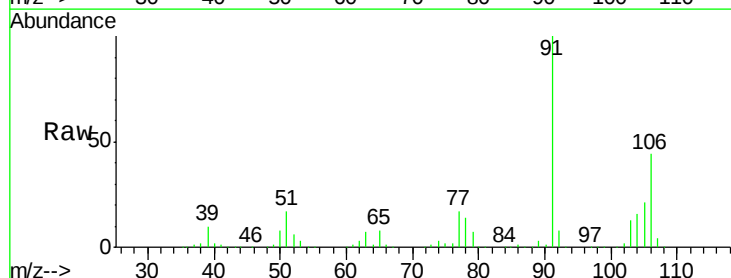


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

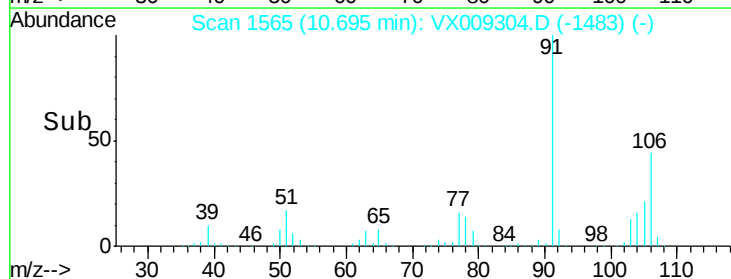
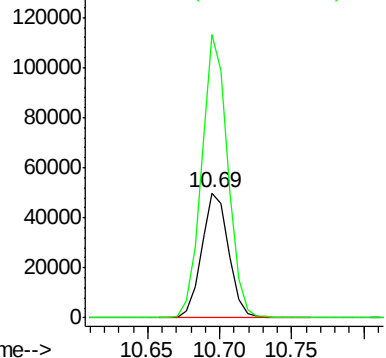


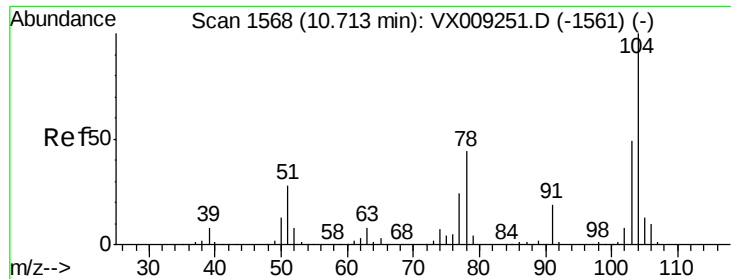
#68
o-Xylene
Concen: 19.897 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Tgt Ion:106 Resp: 65880
Ion Ratio Lower Upper
106 100
91 219.1 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





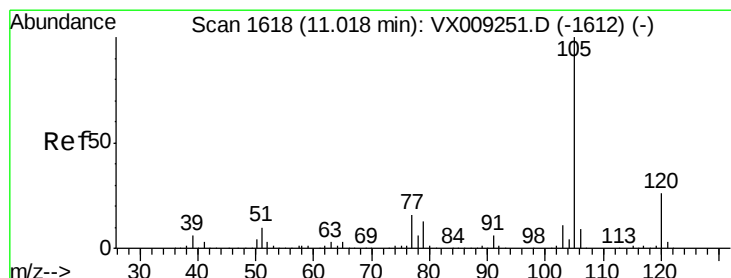
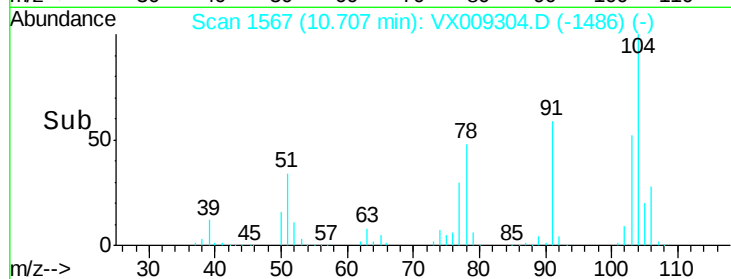
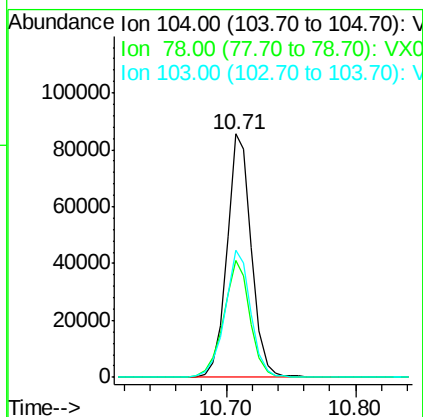
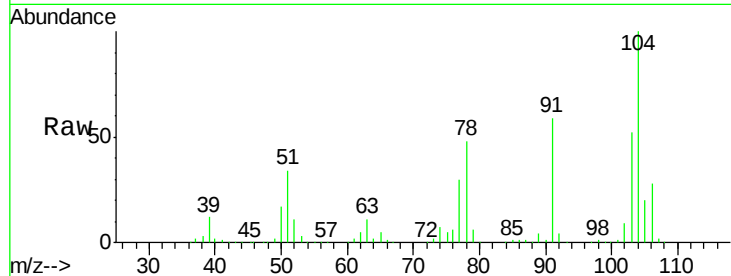
#69
Stvrene
Concen: 19.490 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Instrument :
MSVOA_X
ClientSampled :
VX0503WBS01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	113281		
78	51.9	41.1	61.7	
103	55.2	43.8	65.8	

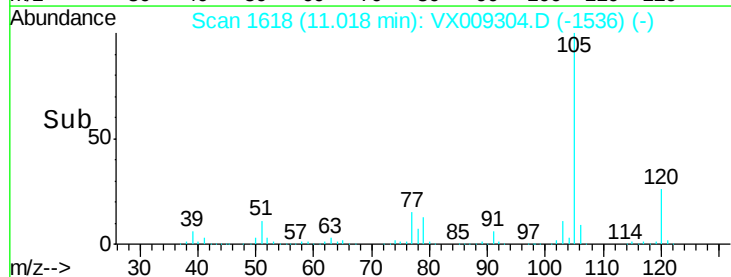
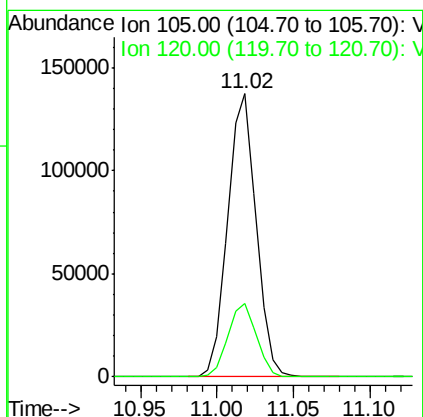
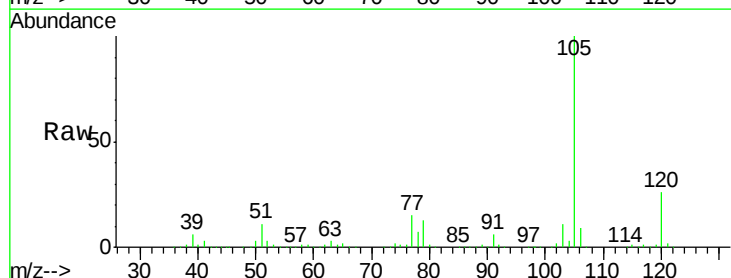
Manual Integrations
APPROVED

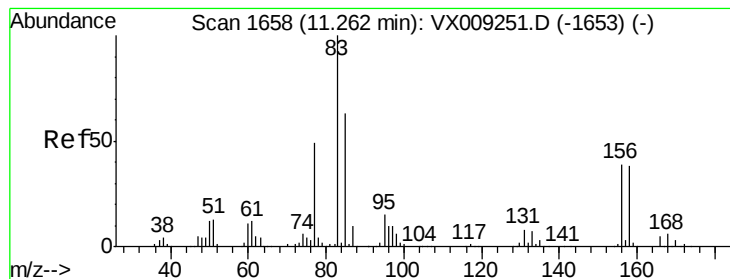
MMDadoda
5/6/2019 9:28:31 AM



#70
Isopropylbenzene
Concen: 19.842 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	176688		
120	26.0	18.1	33.7	





#71

1,1,2,2-Tetrachloroethane

Concen: 19.413 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Instrument :

MSVOA_X

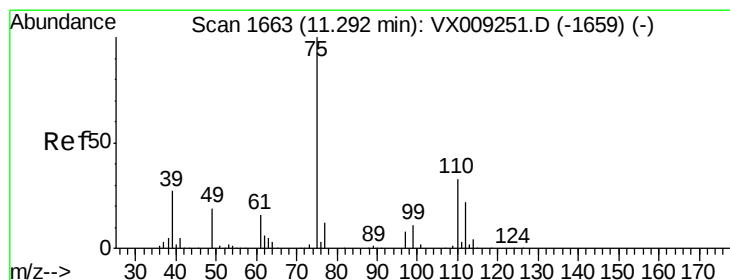
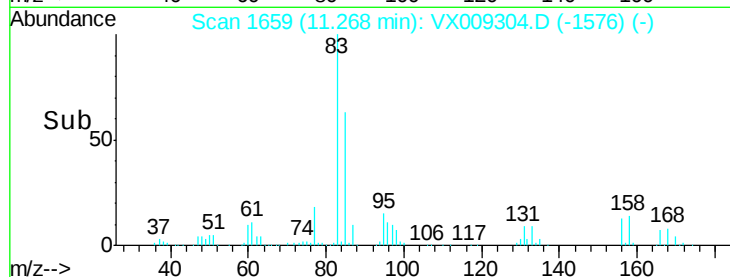
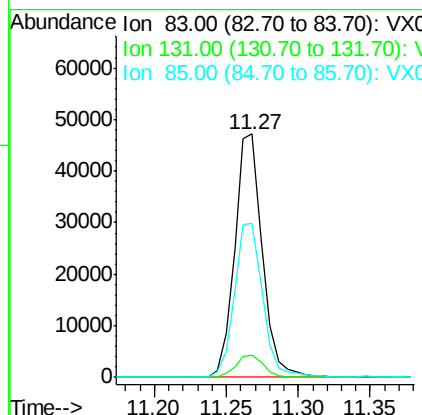
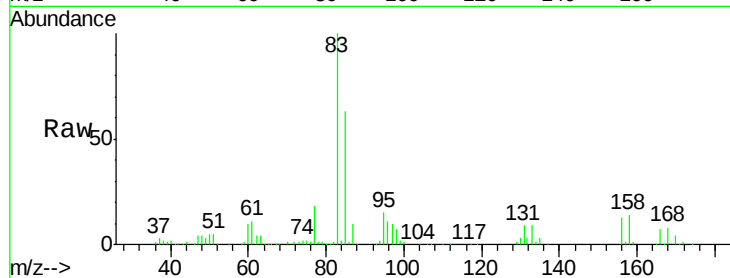
ClientSampled :

VX0503WBS01

Tot Ion:	83	Resp:	63309
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.7	14.0
85	65.0	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
5/6/2019 9:28:31 AM



#72

1,2,3-Trichloropropane

Concen: 19.687 ug/l m

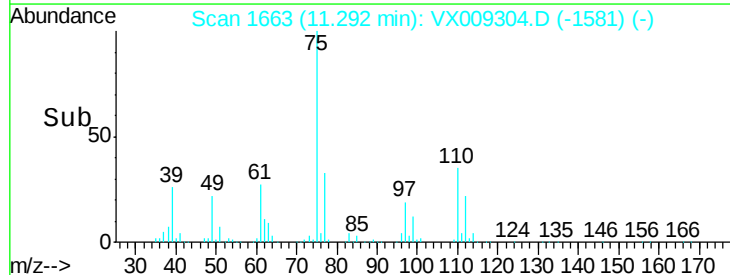
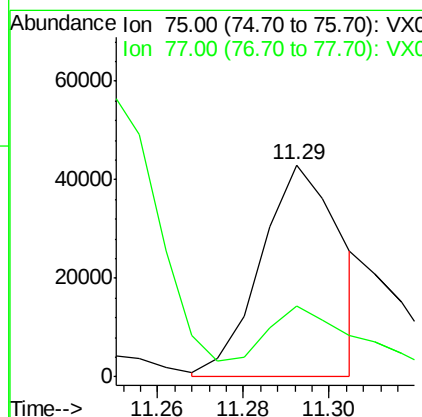
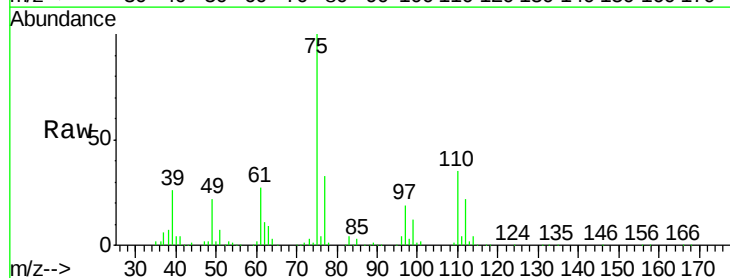
RT: 11.29 min Scan# 1663

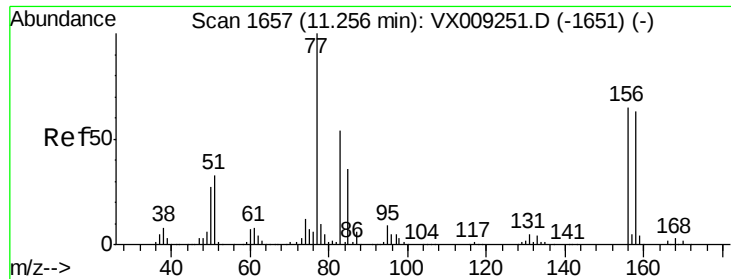
Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Tgt Ion:	75	Resp:	55327
Ion Ratio	Lower	Upper	
75	100		
77	41.9	0.0	86.4





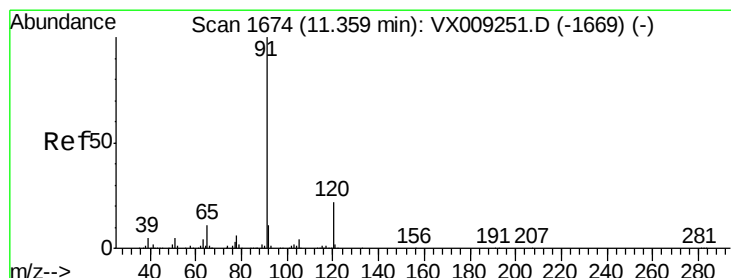
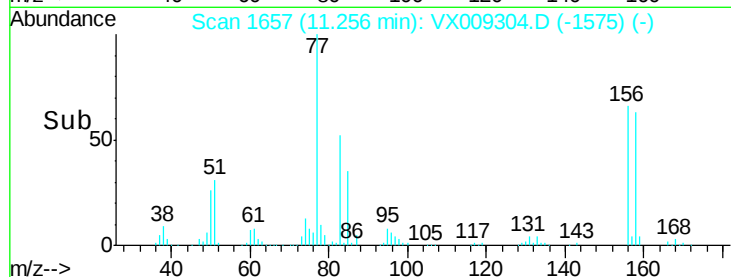
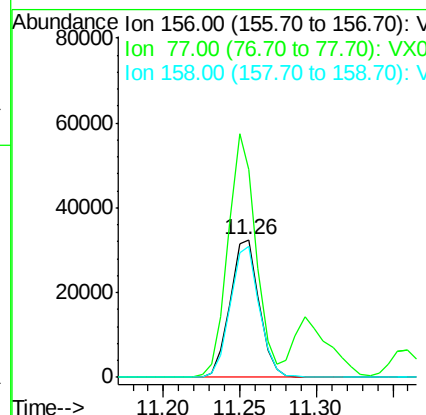
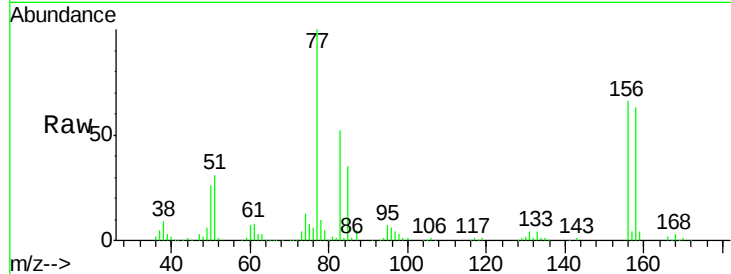
#73
Bromobenzene
Concen: 19.429 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		42746		
77	169.7	0.0	335.6		
158	95.0	0.0	191.2		

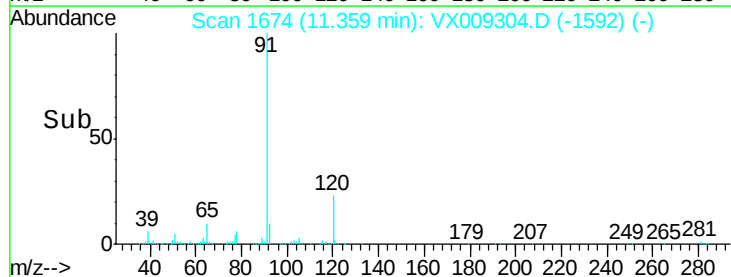
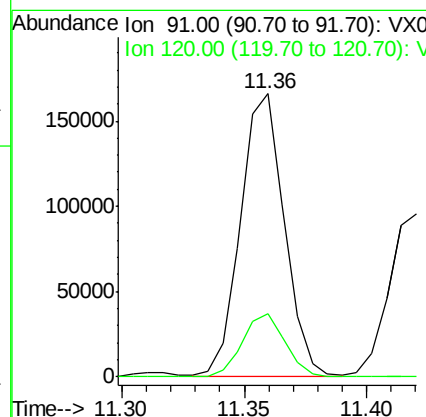
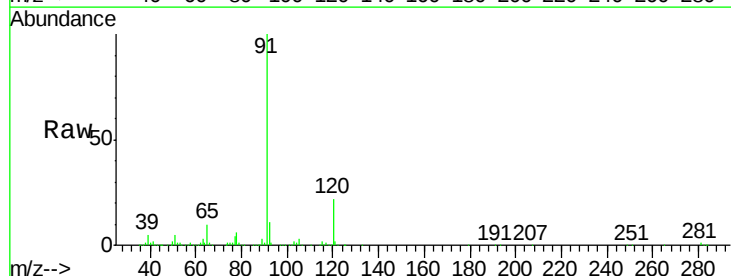
Manual Integrations
APPROVED

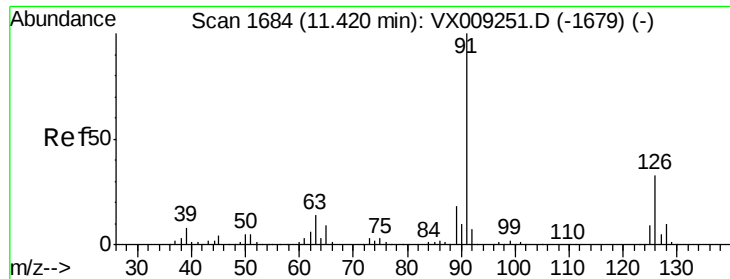
MMDadoda
5/6/2019 9:28:31 AM



#74
n-propylbenzene
Concen: 19.996 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		206335		
120	21.9	0.0	43.4		





#75

2-Chlorotoluene

Concen: 19.900 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS01

Tot Ion: 91 Resp: 123166

Ion Ratio Lower Upper

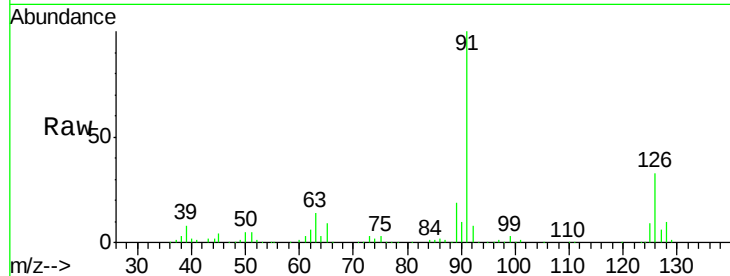
91 100

126 31.8 0.0 64.0

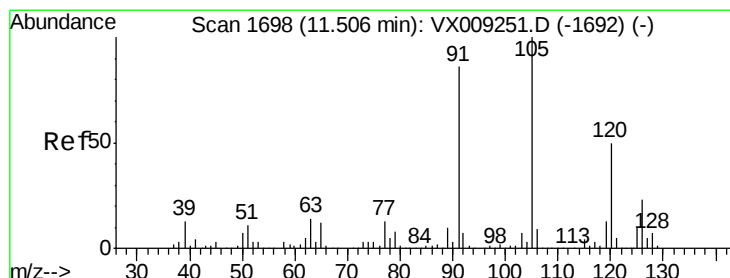
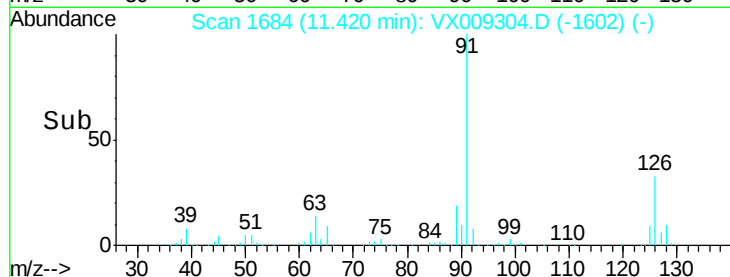
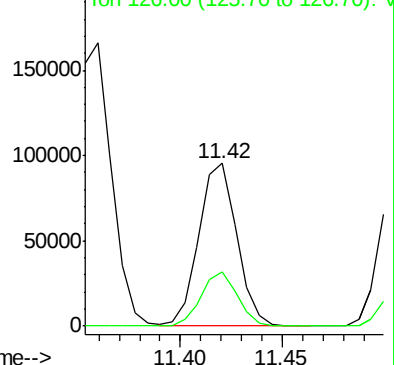
Manual Integrations
APPROVED

MMDadoda

5/6/2019 9:28:31 AM



Abundance Ion 91.00 (90.70 to 91.70): VX009304.D (-1602) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.886 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009304.D

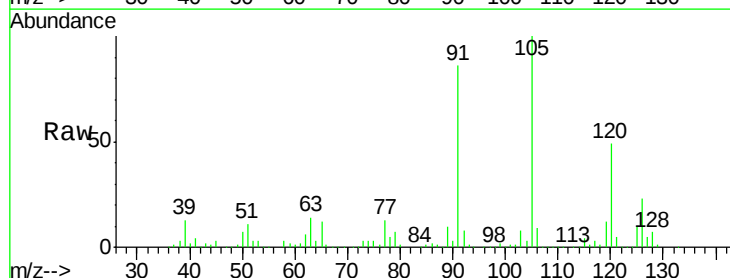
Acq: 03 May 2019 11:57

Tgt Ion: 105 Resp: 149994

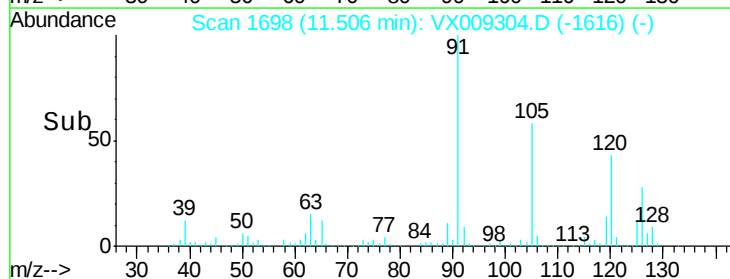
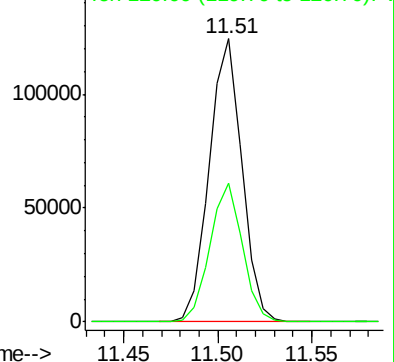
Ion Ratio Lower Upper

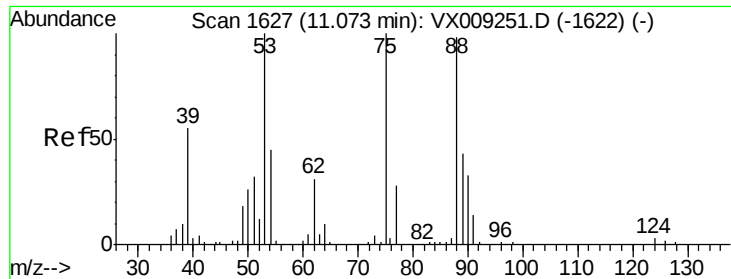
105 100

120 48.7 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VX009304.D (-1616) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.384 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Instrument :

MSVOA_X

ClientSampled :

VX0503WBS01

Tot Ion: 75 Resp: 19706

Ion Ratio Lower Upper

75 100

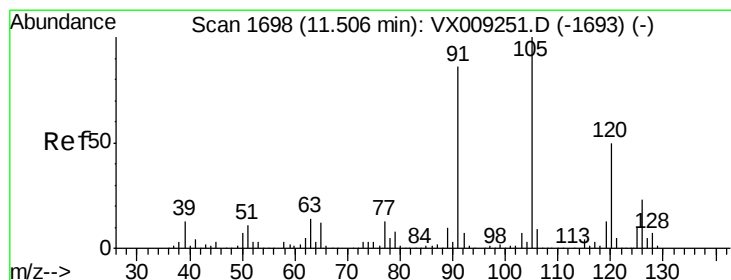
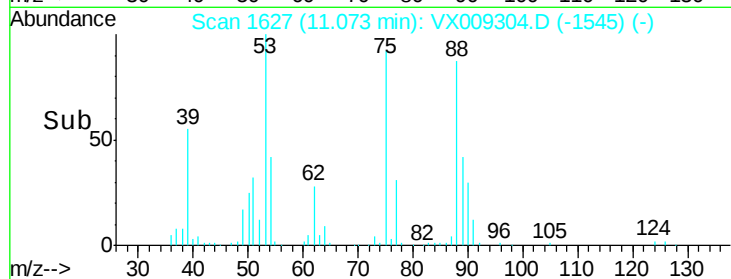
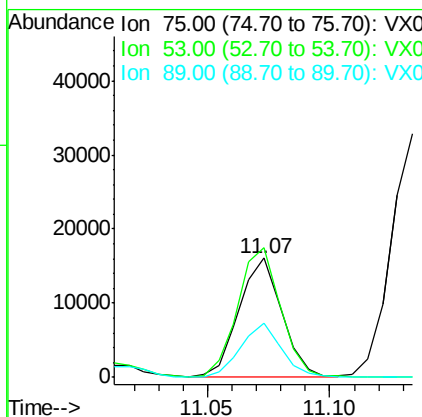
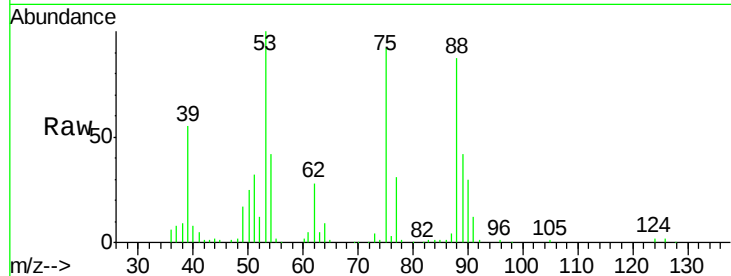
53 108.5 50.0 149.8

89 45.0 21.6 65.0

Manual Integrations
APPROVED

MMDadoda

5/6/2019 9:28:31 AM



#78

4-Chlorotoluene

Concen: 19.765 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009304.D

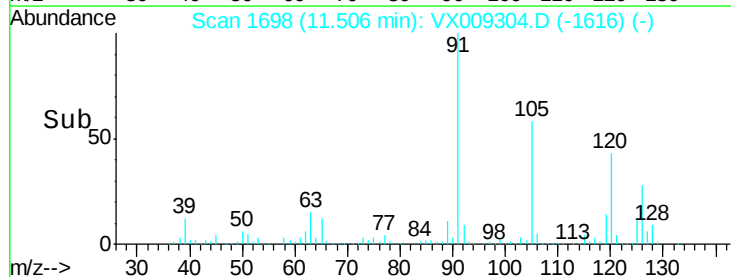
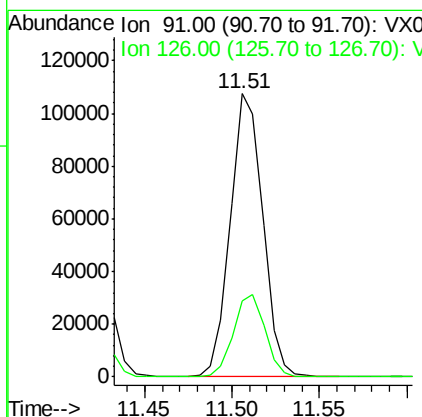
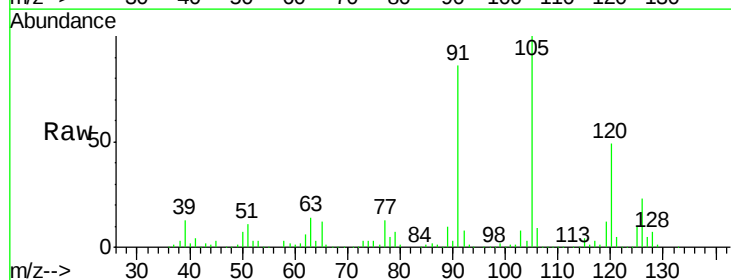
Acq: 03 May 2019 11:57

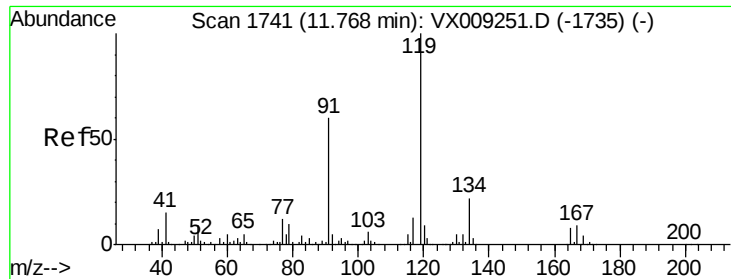
Tgt Ion: 91 Resp: 138938

Ion Ratio Lower Upper

91 100

126 28.5 0.0 57.0





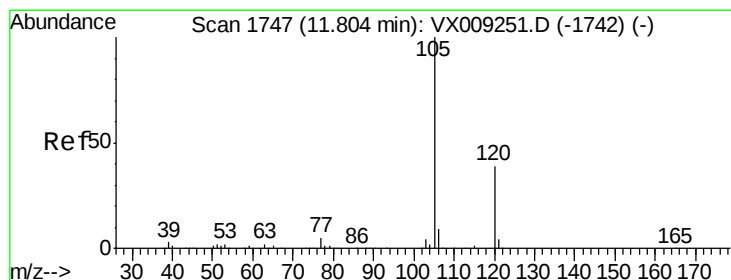
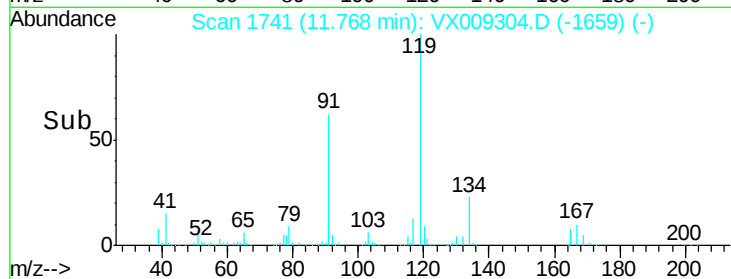
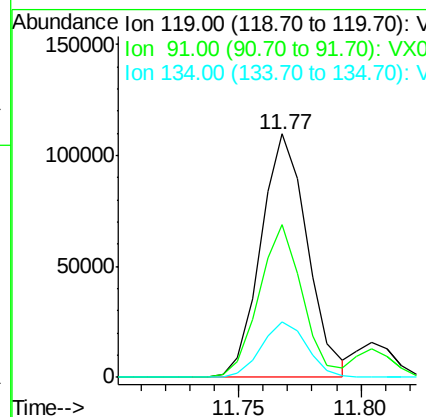
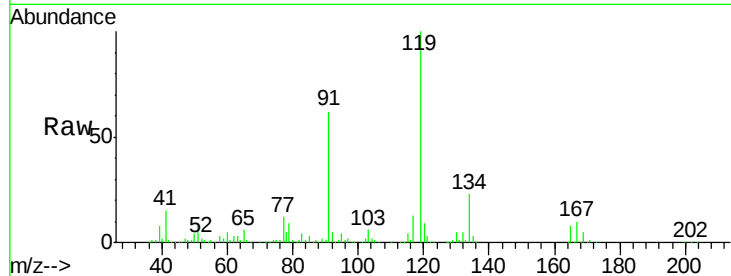
#79
tert-butylbenzene
Concen: 19.927 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	145304		
91	58.3	0.0	118.2	
134	22.4	0.0	45.0	

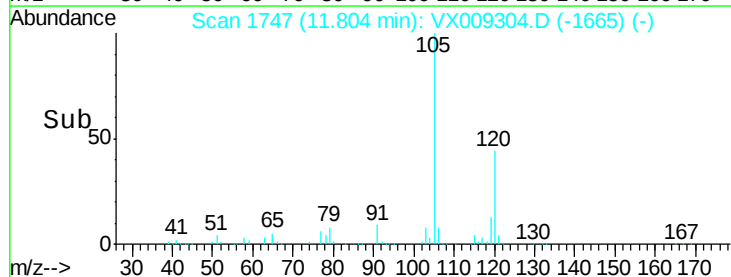
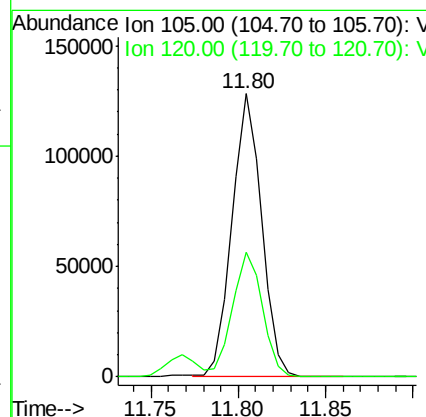
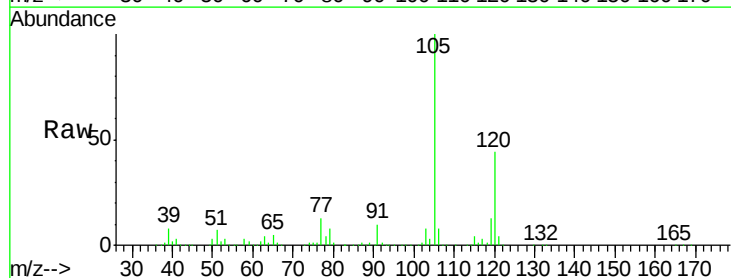
Manual Integrations
APPROVED

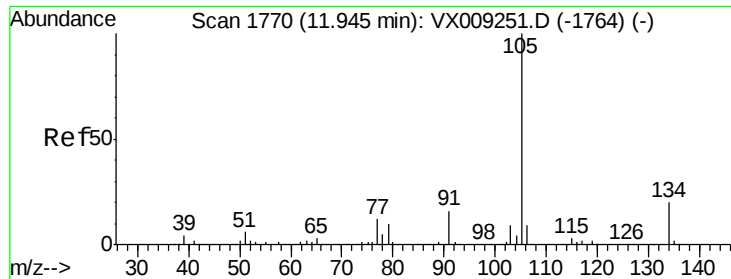
MMDadoda
5/6/2019 9:28:31 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.994 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009304.D
Acq: 03 May 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	151153		
120	44.3	0.0	89.6	





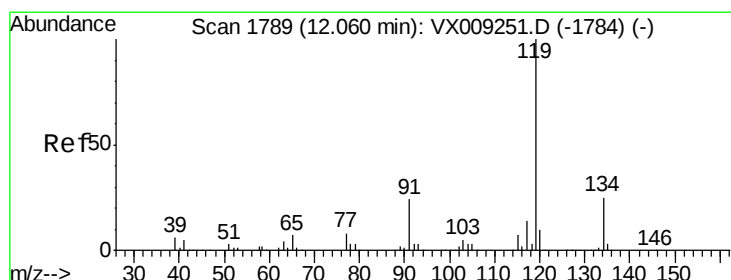
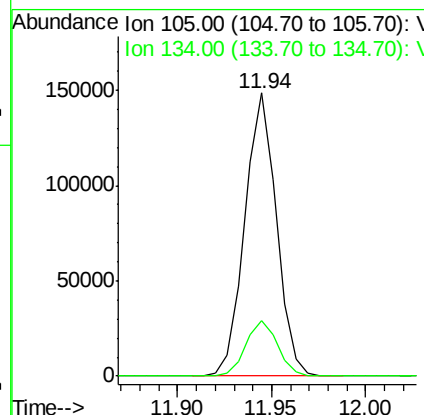
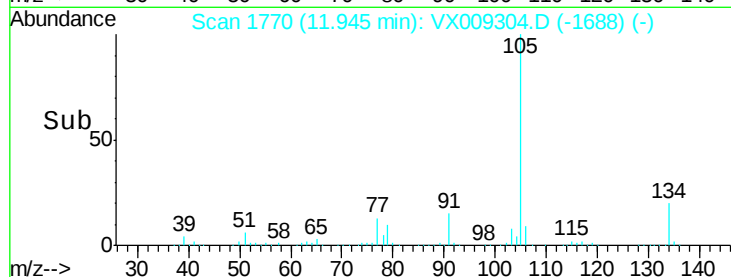
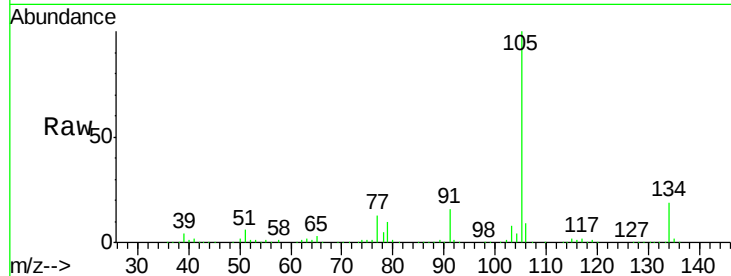
#81
 sec-Butylbenzene
 Concen: 19.974 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009304.D
 Acq: 03 May 2019 11:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	0.0	38.6

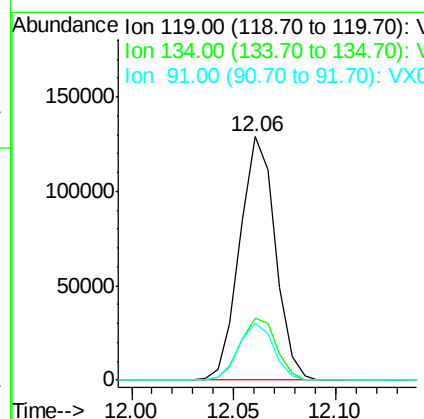
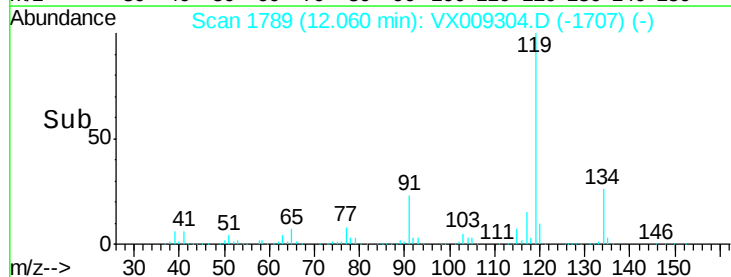
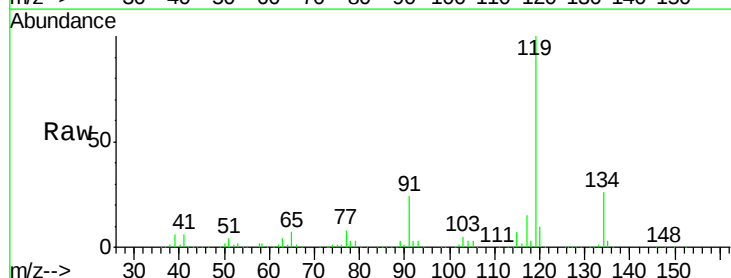
Manual Integrations
 APPROVED

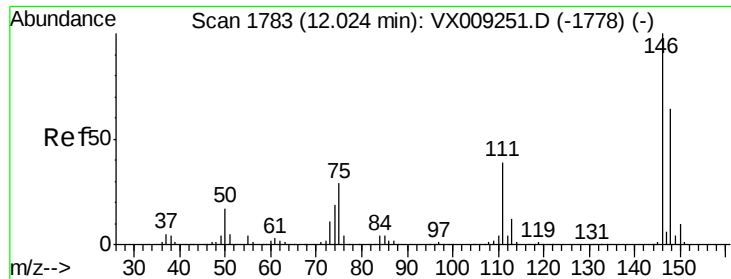
MMDadoda
 5/6/2019 9:28:31 AM



#82
 p-Isopropyltoluene
 Concen: 19.745 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009304.D
 Acq: 03 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	0.0	50.8
91	23.4	0.0	47.2





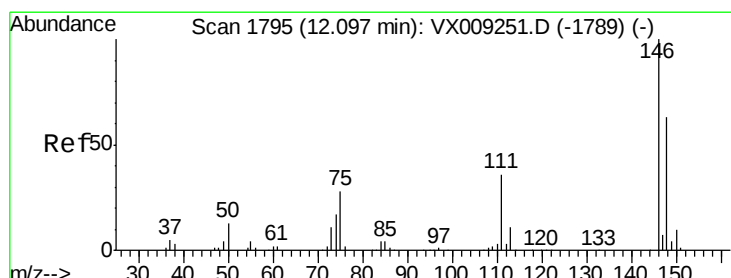
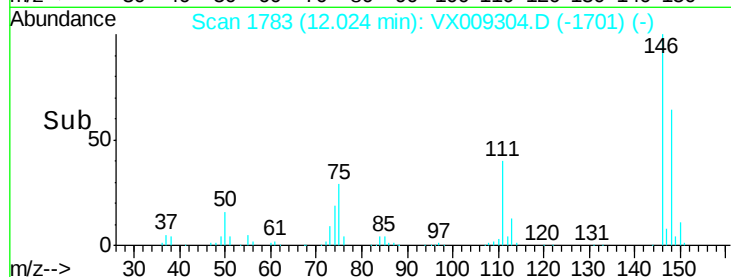
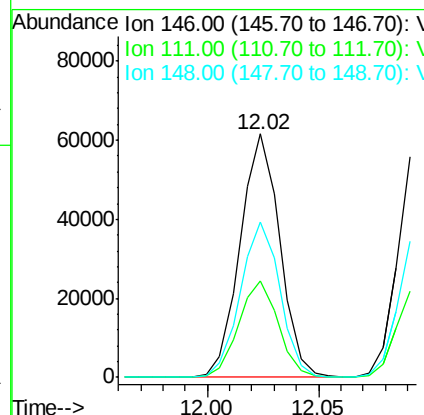
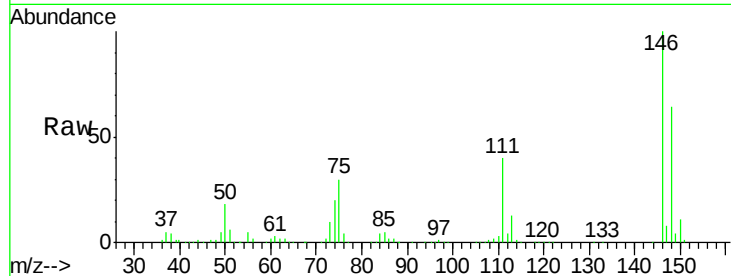
#83
 1,3-Dichlorobenzene
 Concen: 19.458 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009304.D
 Acq: 03 May 2019 11:57

Instrument :
 MSVOA_X
 ClientSampled :
 VX0503WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	64.0	32.2	96.6

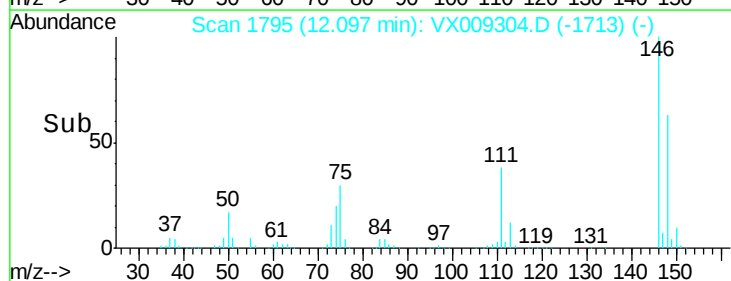
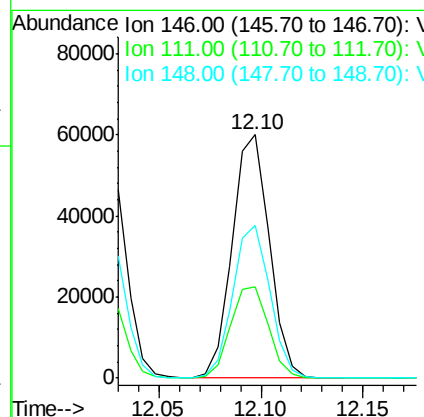
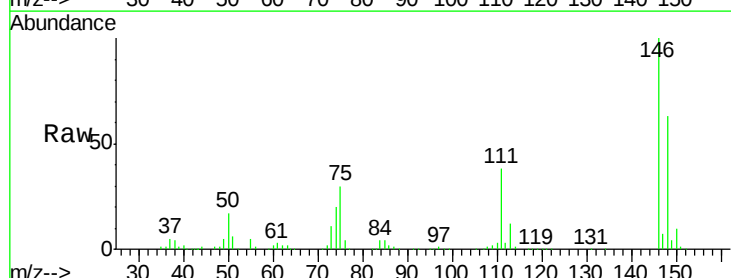
Manual Integrations
 APPROVED

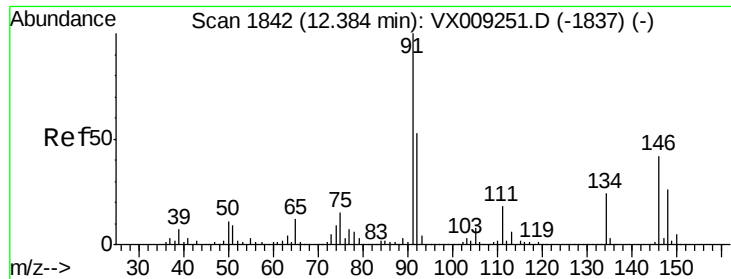
MMDadoda
 5/6/2019 9:28:31 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.314 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009304.D
 Acq: 03 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.6	58.7
148	62.9	32.3	96.8





#85

n-Butylbenzene

Concen: 19.438 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Instrument :

MSVOA_X

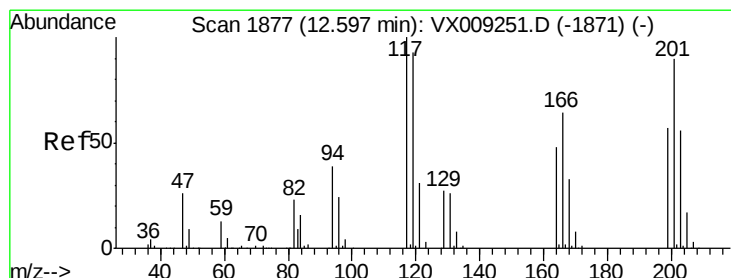
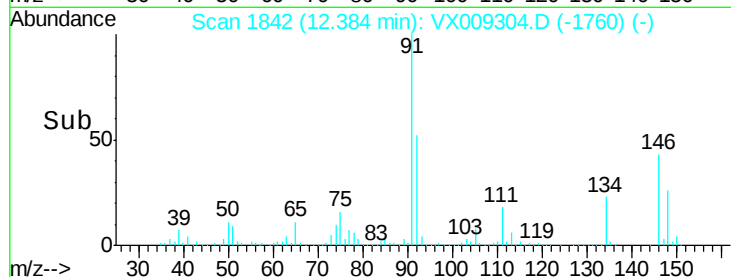
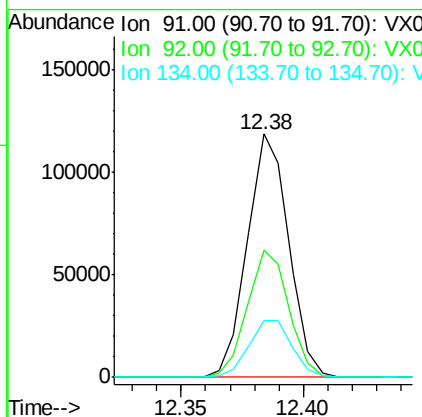
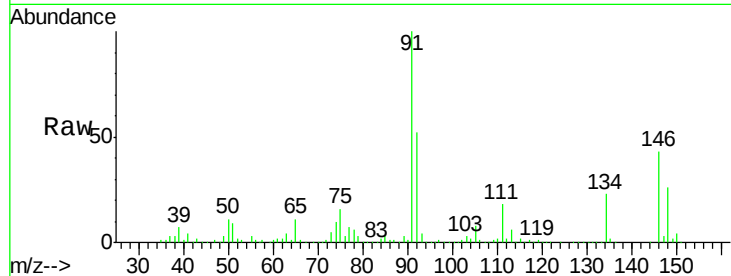
ClientSampleId :

VX0503WBS01

Tot Ion:	91	Resp:	140167
Ion Ratio		Lower	Upper
91	100		
92	52.4	0.0	106.6
134	24.6	0.0	50.0

Manual Integrations
APPROVED

MMDadoda
5/6/2019 9:28:31 AM



#86

Hexachloroethane

Concen: 18.717 ug/l

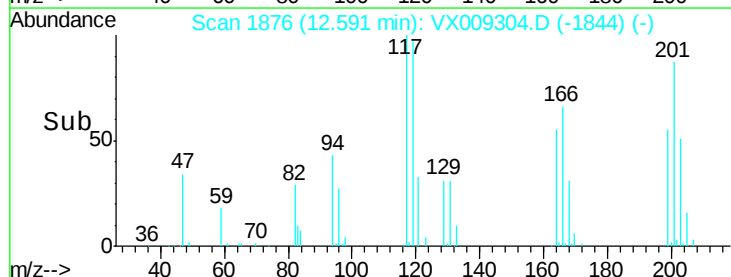
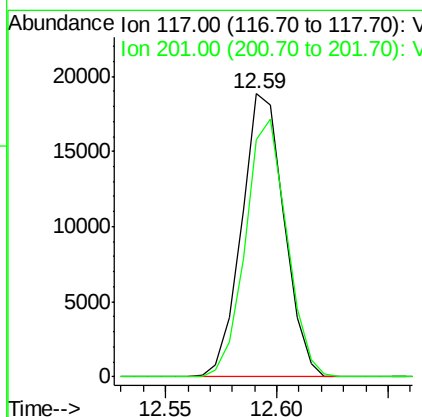
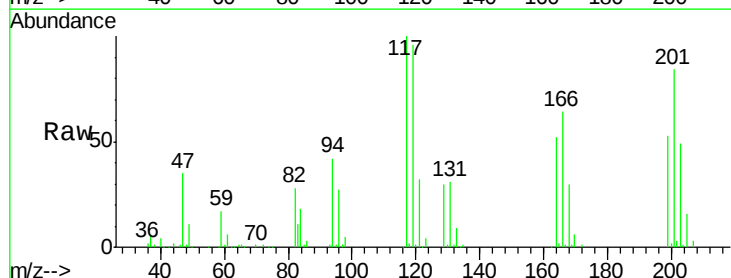
RT: 12.59 min Scan# 1876

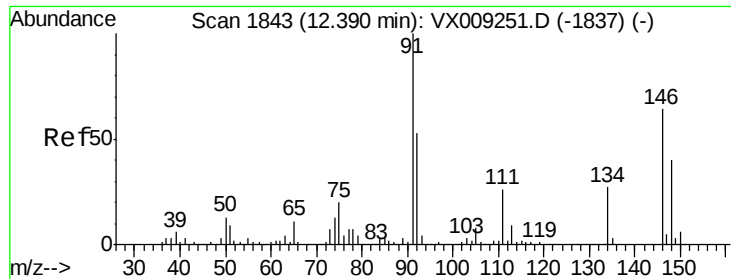
Delta R.T. -0.01 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Tgt Ion:	117	Resp:	25100
Ion Ratio		Lower	Upper
117	100		
201	88.7	41.8	125.4





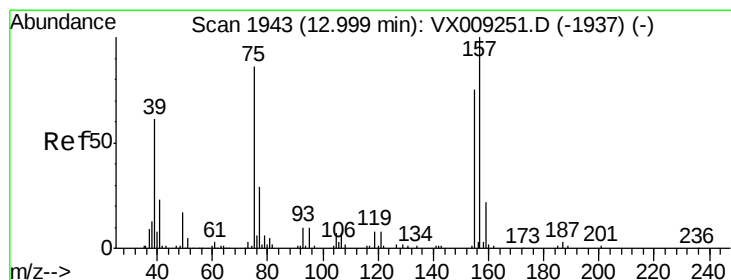
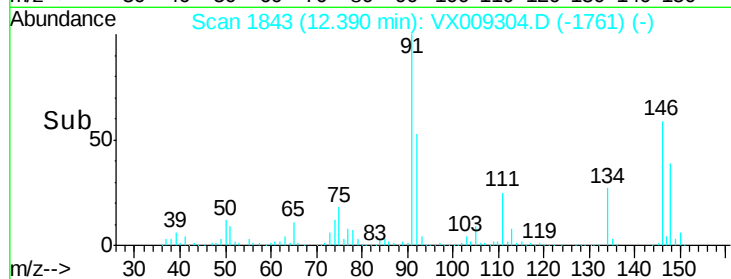
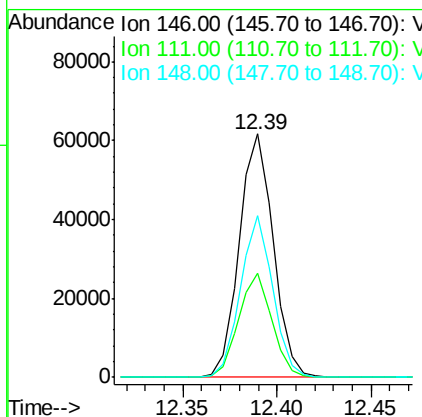
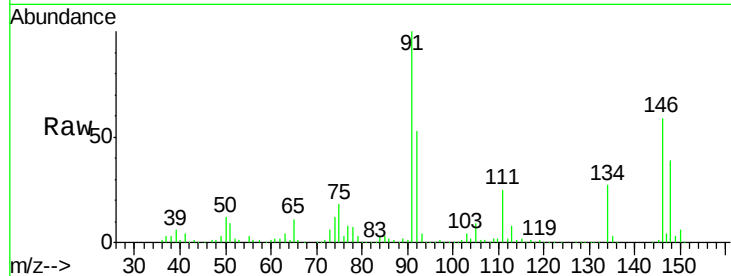
#87
 1,2-Dichlorobenzene
 Concen: 19.510 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009304.D
 Acq: 03 May 2019 11:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.8	62.2
148	62.8	31.4	94.3

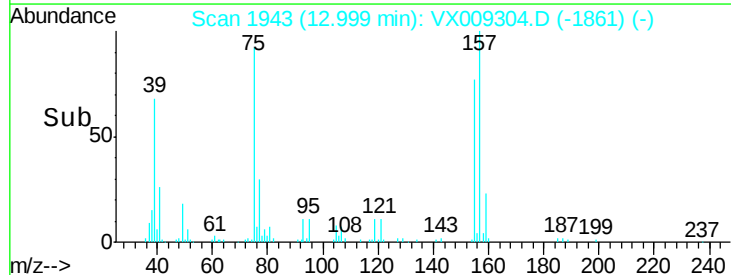
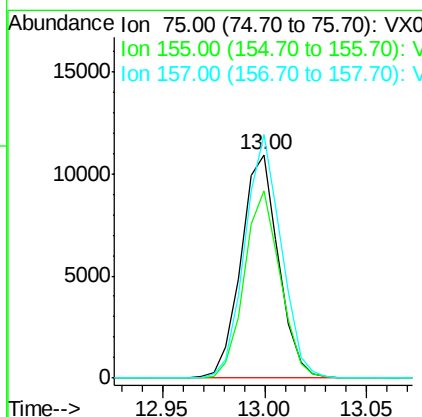
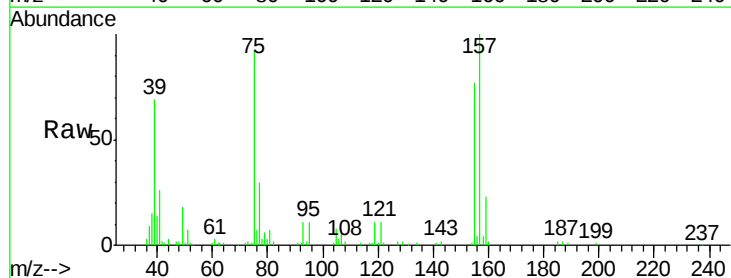
Manual Integrations
 APPROVED

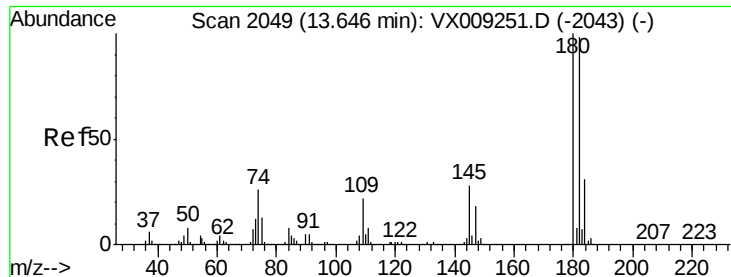
MMDadoda
 5/6/2019 9:28:31 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.353 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009304.D
 Acq: 03 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.5	65.9	98.9
157	105.9	85.2	127.8





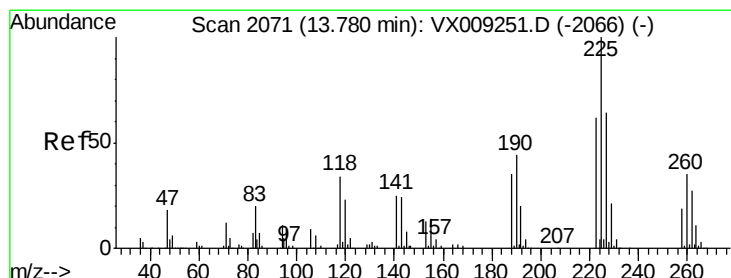
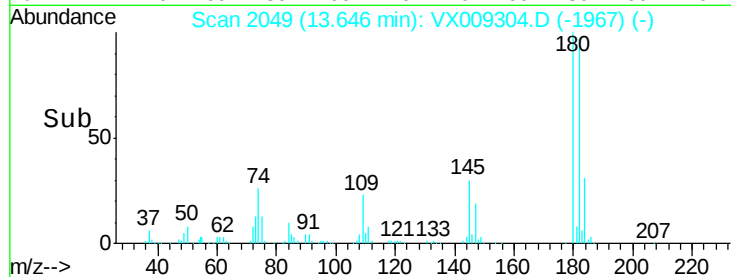
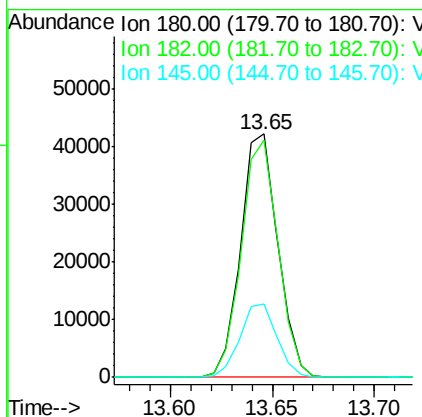
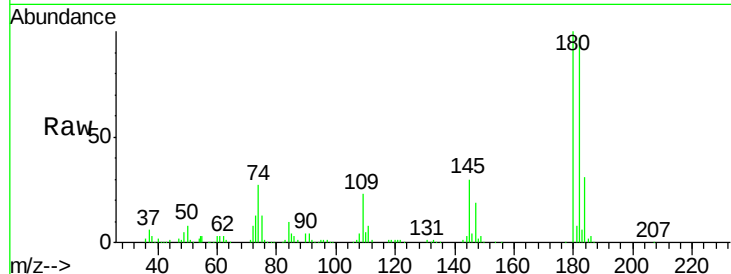
#89
 1,2,4-Trichlorobenzene
 Concen: 19.041 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009304.D
 Acq: 03 May 2019 11:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
145	30.2	23.0	34.6

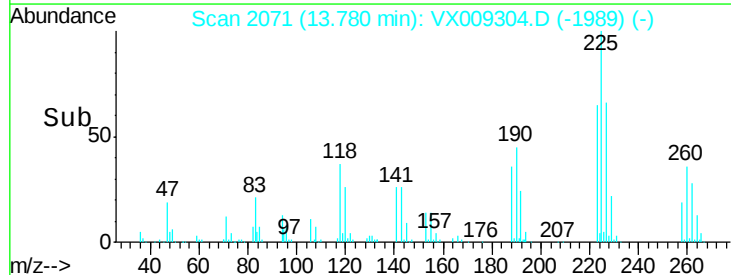
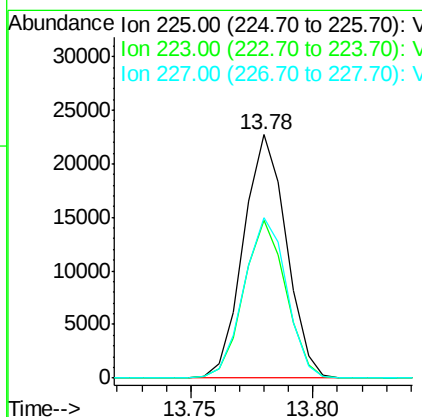
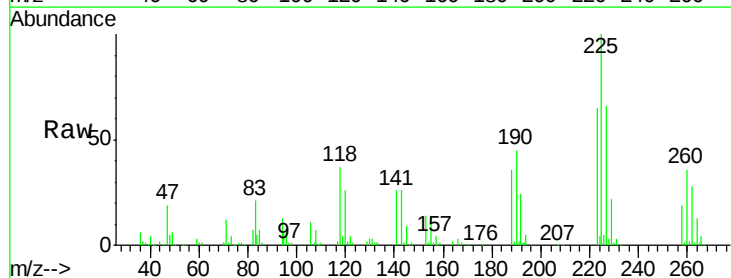
Manual Integrations
 APPROVED

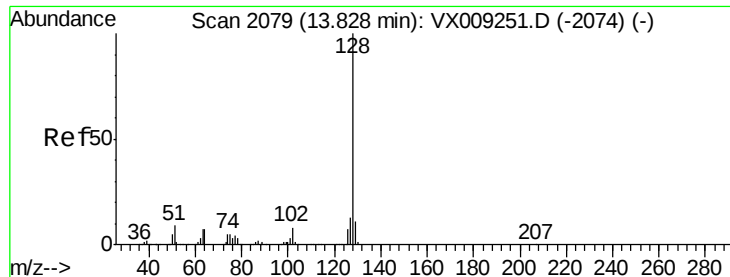
MMDadoda
 5/6/2019 9:28:31 AM



#90
 Hexachlorobutadiene
 Concen: 19.638 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009304.D
 Acq: 03 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	0.0	126.6
227	65.8	0.0	130.0





#91

Naphthalene

Concen: 19.316 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Instrument :

MSVOA_X

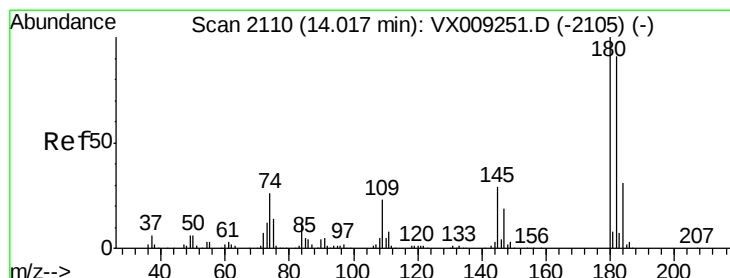
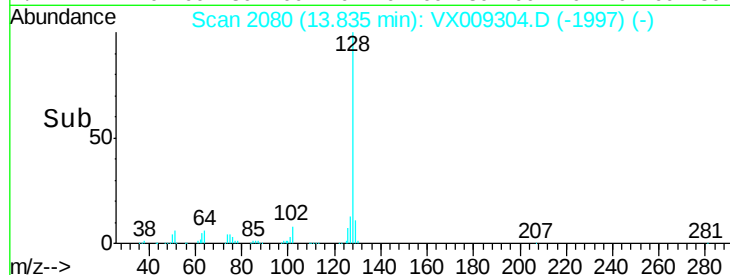
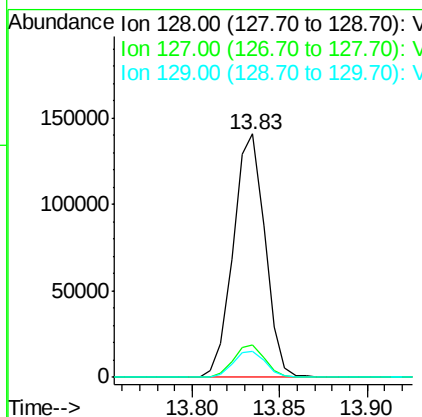
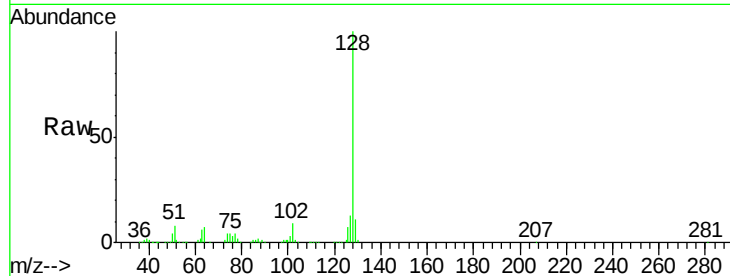
ClientSampled :

VX0503WBS01

Tot Ion:	128	Resp:	178284
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/6/2019 9:28:31 AM



#92

1,2,3-Trichlorobenzene

Concen: 19.851 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009304.D

Acq: 03 May 2019 11:57

Tgt Ion:	180	Resp:	56884
Ion Ratio	Lower	Upper	
180	100		
182	94.1	0.0	189.0
145	30.5	0.0	61.6

