

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009490.D
 Acq On : 10 May 2019 18:53
 Operator : JC/SP
 Sample : VX0510WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 11:53:07 AM

Quant Time: May 11 03:51:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	159595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	254123	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111155	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	111810	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	5.50	113	83251	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
50) Toluene-d8	8.71	98	333681	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
62) 4-Bromofluorobenzene	11.13	95	120859	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	28521	19.393	ug/l 98
3) Chloromethane	1.32	50	44095	21.961	ug/l 98
4) Vinyl Chloride	1.41	62	41822	21.360	ug/l 100
5) Bromomethane	1.64	94	25611	21.793	ug/l 95
6) Chloroethane	1.72	64	28823	22.929	ug/l 100
7) Trichlorofluoromethane	1.93	101	51760	21.748	ug/l 96
8) Diethyl Ether	2.19	74	24074	21.355	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	31416	21.020	ug/l 99
10) Methyl Iodide	2.51	142	34457	22.614	ug/l 100
11) Tert butyl alcohol	3.05	59	57040	113.106	ug/l 99
12) 1,1-Dichloroethene	2.37	96	32351	21.604	ug/l 97
13) Acrolein	2.29	56	43120	94.413	ug/l 99
14) Allyl chloride	2.73	41	75997	20.825	ug/l 99
15) Acrylonitrile	3.14	53	133163	107.993	ug/l 99
16) Acetone	2.45	43	125536	107.309	ug/l 99
17) Carbon Disulfide	2.57	76	92492	22.000	ug/l 99
18) Methyl Acetate	2.78	43	57254	20.579	ug/l 98
19) Methyl tert-butyl Ether	3.20	73	125345	21.555	ug/l 100
20) Methylene Chloride	2.85	84	39624	20.919	ug/l 98
21) trans-1,2-Dichloroethene	3.17	96	34560	21.281	ug/l 99
22) Diisopropyl ether	3.85	45	149644	21.323	ug/l 93
23) Vinyl Acetate	3.81	43	672418	111.890	ug/l 99
24) 1,1-Dichloroethane	3.70	63	73231	21.152	ug/l 100
25) 2-Butanone	4.67	43	200192	110.121	ug/l 100
26) 2,2-Dichloropropane	4.58	77	51963	20.164	ug/l 99
27) cis-1,2-Dichloroethene	4.60	96	41365	21.339	ug/l 99
28) Bromochloromethane	5.01	49	26134	16.940	ug/l 100
29) Tetrahydrofuran	5.13	42	133074	113.756	ug/l 99
30) Chloroform	5.21	83	67966	21.706	ug/l 99
31) Cyclohexane	5.58	56	70445	21.870	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	55433	21.266	ug/l 99
36) 1,1-Dichloropropene	5.80	75	50994	21.593	ug/l 100
37) Ethyl Acetate	4.84	43	73624	22.375	ug/l 99
38) Carbon Tetrachloride	5.78	117	45844	21.366	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009490.D
 Acq On : 10 May 2019 18:53
 Operator : JC/SP
 Sample : VX0510WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0510WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 11:53:07 AM

Quant Time: May 11 03:51:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	63028	21.732	ug/l	98
40) Benzene	6.14	78	159296	21.795	ug/l	97
41) Methacrylonitrile	5.04	41	41326	21.099	ug/l	98
42) 1,2-Dichloroethane	6.19	62	57699	22.008	ug/l	100
43) Isopropyl Acetate	6.45	43	115049	21.859	ug/l	99
44) Trichloroethene	7.21	130	37235	21.074	ug/l	99
45) 1,2-Dichloropropane	7.51	63	44692	21.595	ug/l	99
46) Dibromomethane	7.66	93	25604	21.305	ug/l	98
47) Bromodichloromethane	7.90	83	51283	21.392	ug/l	98
48) Methyl methacrylate	7.77	41	59109	22.637	ug/l	98
49) 1,4-Dioxane	7.74	88	23856	450.499	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	387775	112.721	ug/l	99
52) Toluene	8.79	92	98513	22.174	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	57839	21.370	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	64513	21.535	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	39659	21.880	ug/l	96
56) Ethyl methacrylate	9.18	69	70636	21.832	ug/l	98
57) 1,3-Dichloropropane	9.37	76	69539	21.802	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	168457	98.145	ug/l	100
59) 2-Hexanone	9.49	43	305253	112.980	ug/l	99
60) Dibromochloromethane	9.58	129	37747	21.323	ug/l	98
61) 1,2-Dibromoethane	9.67	107	40852	22.328	ug/l	98
64) Tetrachloroethene	9.34	164	34650	21.970	ug/l	97
65) Chlorobenzene	10.13	112	101365	22.038	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	36460	21.865	ug/l	99
67) Ethyl Benzene	10.25	91	186093	21.984	ug/l	100
68) m/p-Xylenes	10.36	106	135423	43.779	ug/l	98
69) o-Xylene	10.70	106	66890	21.917	ug/l	100
70) Styrene	10.71	104	115397	21.754	ug/l	99
71) Bromoform	10.85	173	28877	21.310	ug/l #	99
73) Isopropylbenzene	11.02	105	177479	21.957	ug/l	99
74) N-amyl acetate	10.90	43	103770	22.020	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	66138	21.949	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	56568m	21.939	ug/l	
77) Bromobenzene	11.26	156	44058	21.960	ug/l	99
78) n-propylbenzene	11.36	91	199671	21.630	ug/l	98
79) 2-Chlorotoluene	11.42	91	122582	21.524	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	150184	22.066	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20496	20.339	ug/l	95
82) 4-Chlorotoluene	11.51	91	137512	21.373	ug/l	100
83) tert-Butylbenzene	11.77	119	143817	21.722	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	151449	22.169	ug/l	100
85) sec-Butylbenzene	11.94	105	169995	21.657	ug/l	100
86) p-Isopropyltoluene	12.06	119	153669	21.777	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	77589	21.694	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	76847	21.312	ug/l	99
89) n-Butylbenzene	12.38	91	137136	21.501	ug/l	100
90) Hexachloroethane	12.60	117	25902	21.545	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	78765	21.622	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15300	22.635	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
Data File : VX009490.D
Acq On : 10 May 2019 18:53
Operator : JC/SP
Sample : VX0510WBSD02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

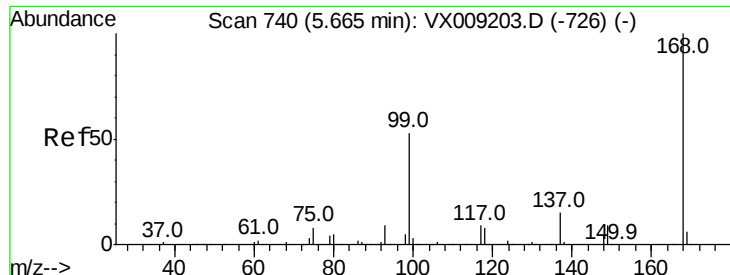
Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:53:07 AM

Quant Time: May 11 03:51:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	54319	21.805	ug/l	99
94) Hexachlorobutadiene	13.78	225	27744	21.810	ug/l	99
95) Naphthalene	13.83	128	180446	22.265	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	56685	22.448	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

Tot Ion:168 Resp: 159595

Ion Ratio Lower Upper

168 100

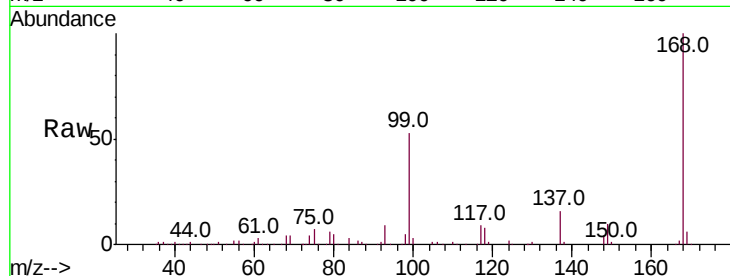
99 53.0 42.3 63.5

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:53:07 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

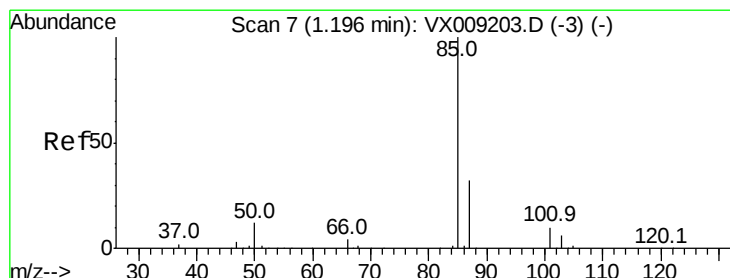
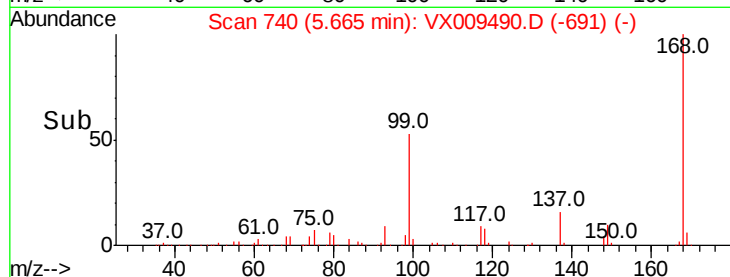
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.393 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009490.D

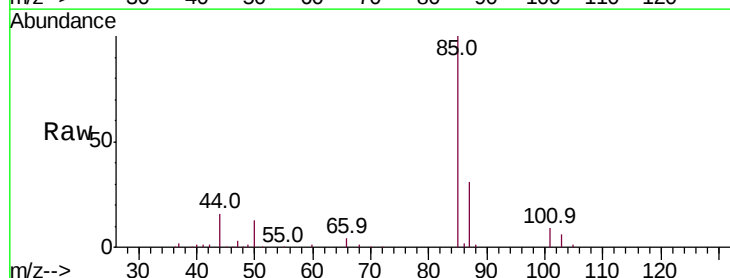
Acq: 10 May 2019 18:53

Tgt Ion: 85 Resp: 28521

Ion Ratio Lower Upper

85 100

87 31.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

30000

25000

20000

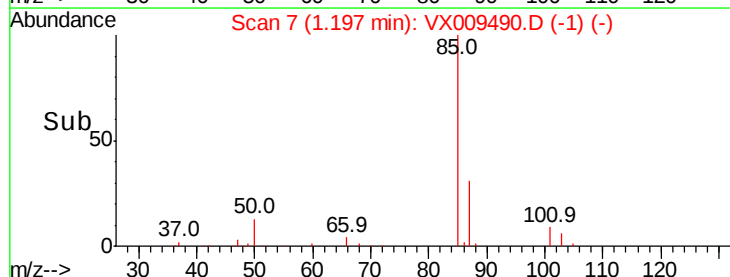
15000

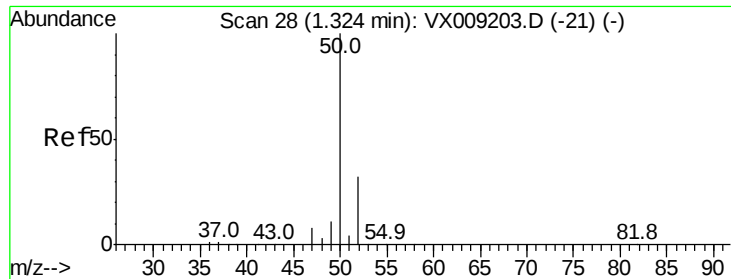
10000

5000

0

Time-->





#3

Chloromethane

Concen: 21.961 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

Tot Ion: 50 Resp: 44095

Ion Ratio Lower Upper

50 100

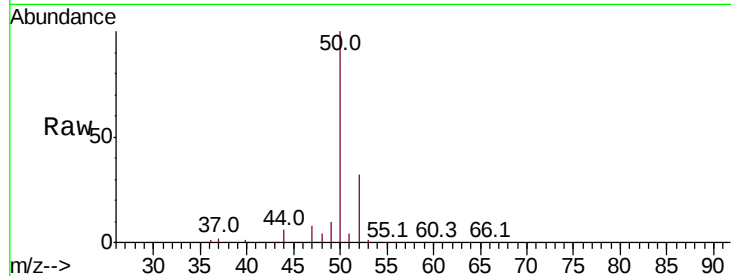
52 31.5 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:53:07 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

40000

30000

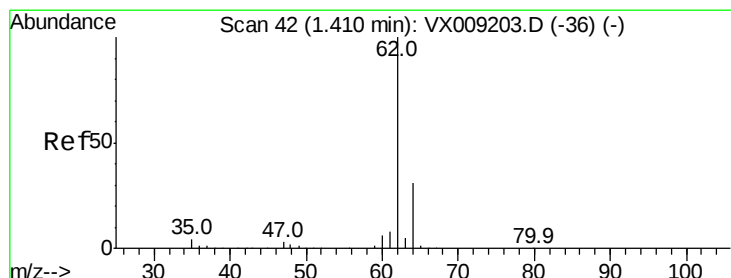
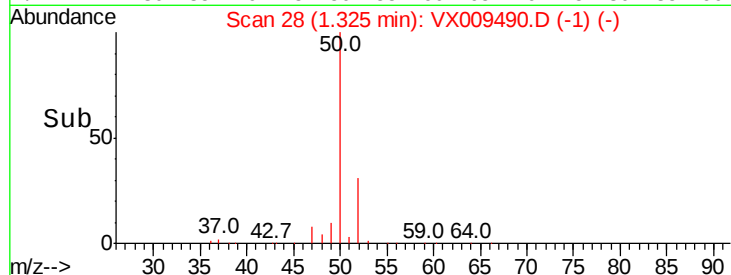
20000

10000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 21.360 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009490.D

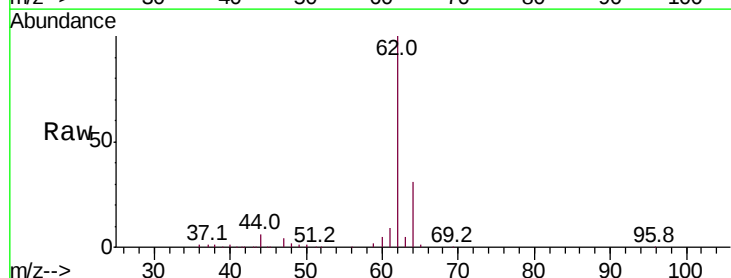
Acq: 10 May 2019 18:53

Tgt Ion: 62 Resp: 41822

Ion Ratio Lower Upper

62 100

64 30.6 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

40000

30000

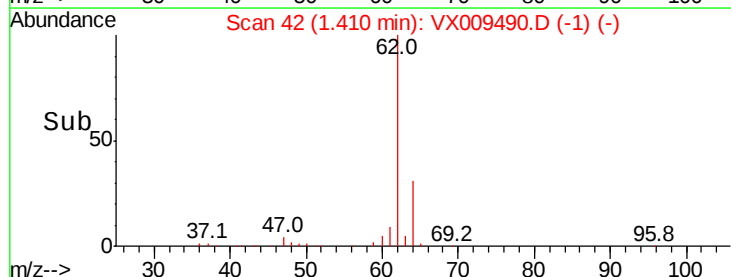
20000

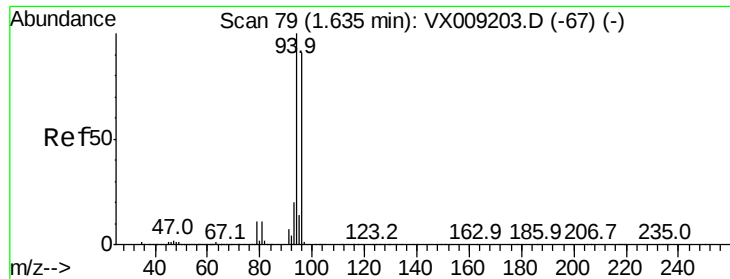
10000

0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 21.793 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

Tot Ion: 94 Resp: 25611

Ion Ratio Lower Upper

94 100

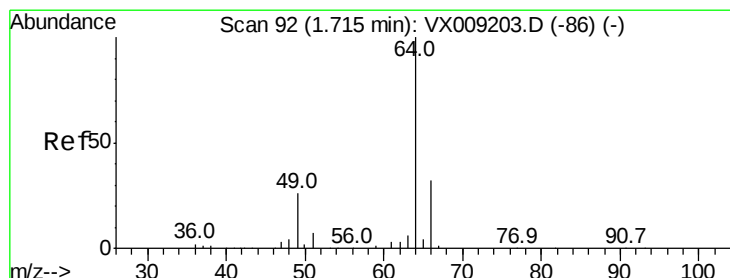
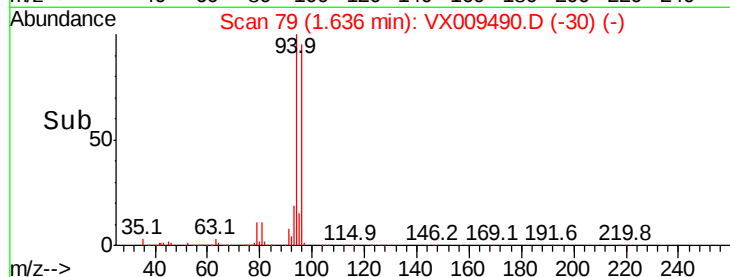
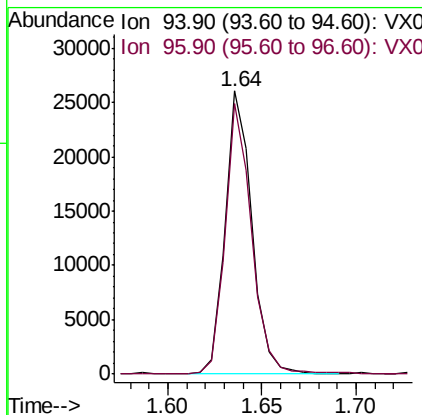
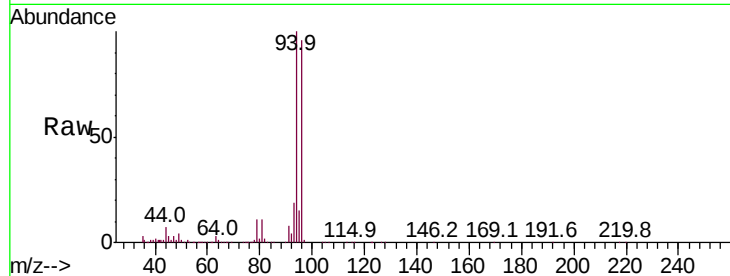
96 95.7 73.0 109.6

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:53:07 AM



#6

Chloroethane

Concen: 22.929 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009490.D

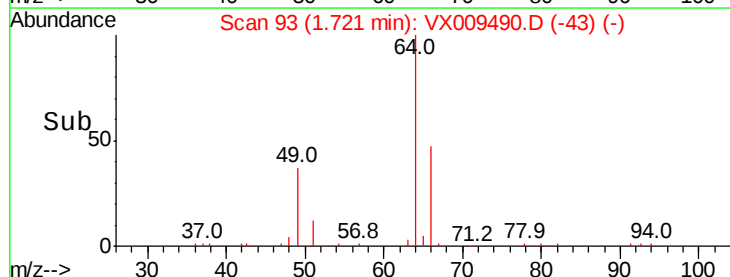
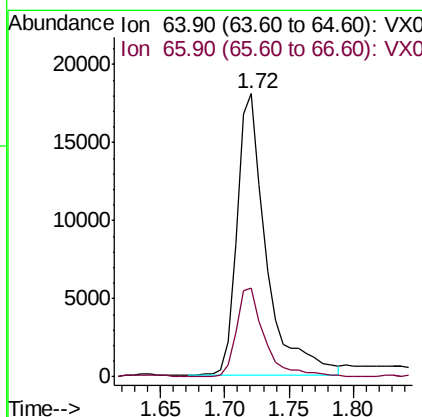
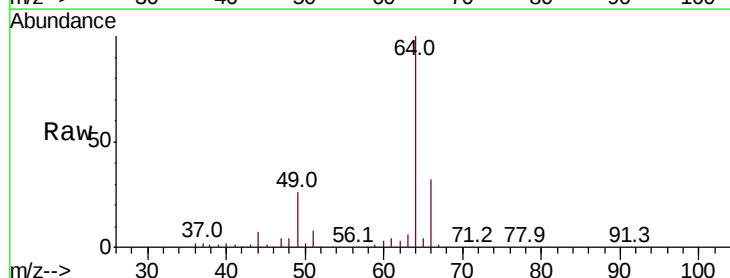
Acq: 10 May 2019 18:53

Tgt Ion: 64 Resp: 28823

Ion Ratio Lower Upper

64 100

66 31.7 25.3 37.9





#7

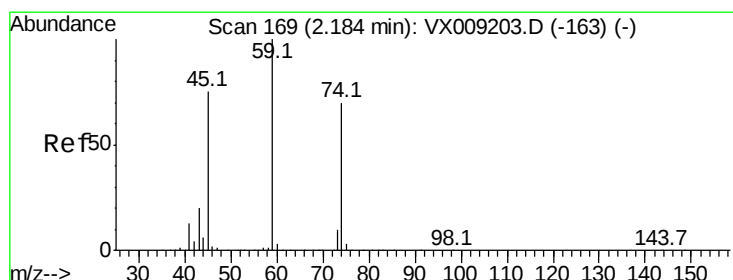
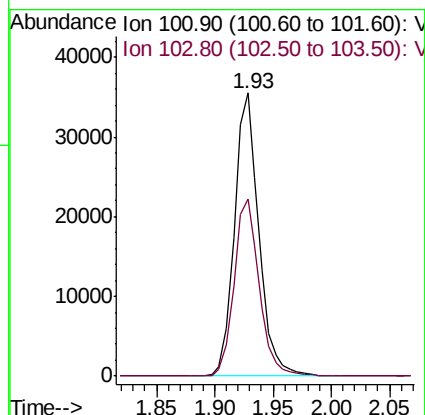
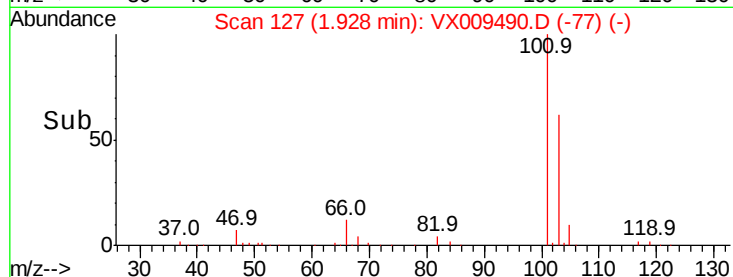
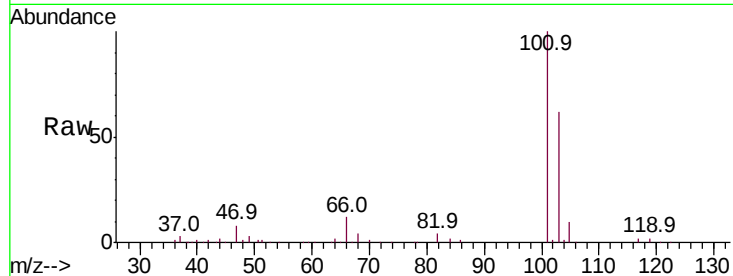
Trichlorofluoromethane
Concen: 21.748 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion:101 Resp: 51760
Ion Ratio Lower Upper
101 100
103 62.4 52.4 78.6

Manual Integrations
APPROVED

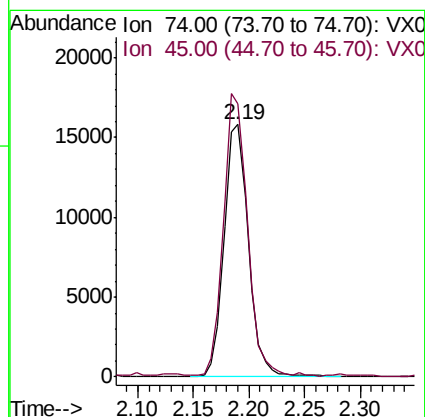
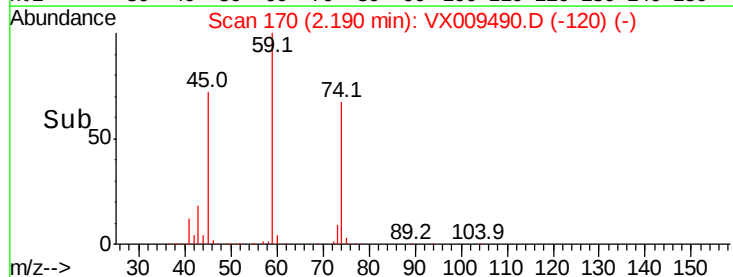
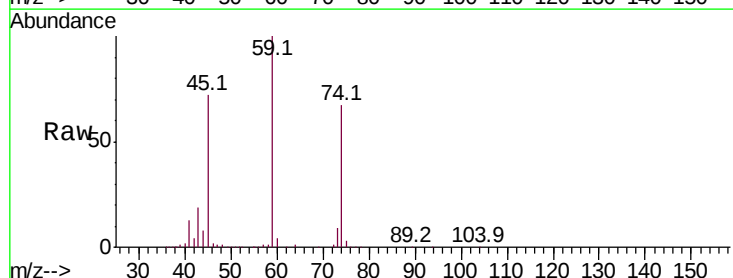
MMDadoda
5/11/2019 11:53:07 AM

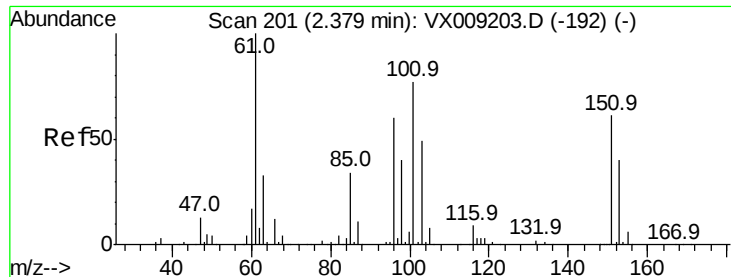


#8

Diethyl Ether
Concen: 21.355 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion: 74 Resp: 24074
Ion Ratio Lower Upper
74 100
45 108.3 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.020 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

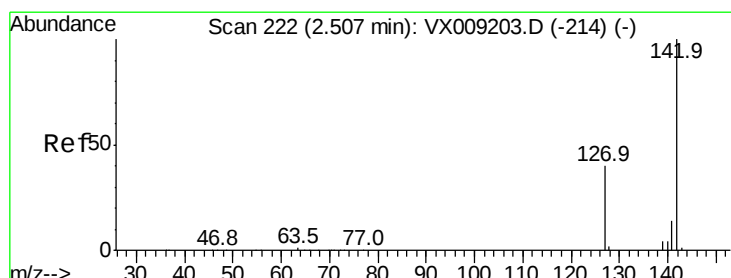
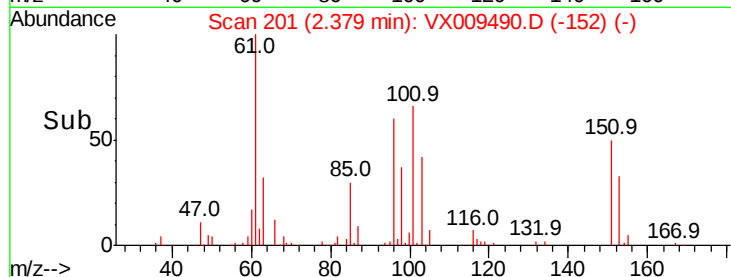
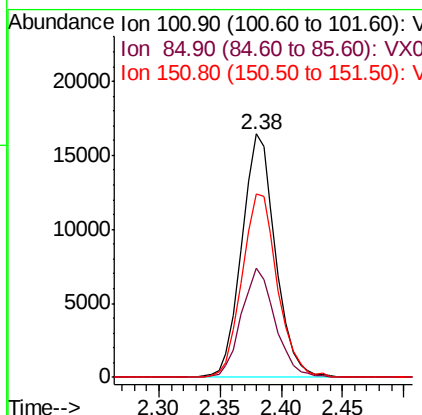
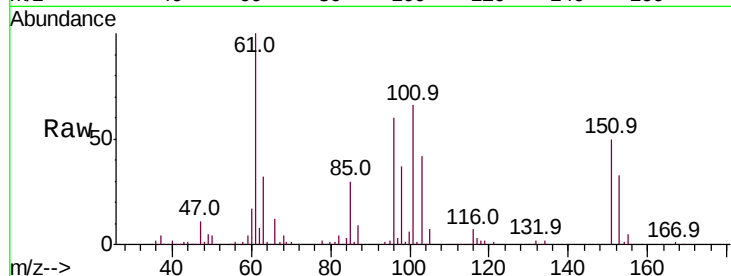
ClientSampleId :

VX0510WBSD02

Tot Ion:	101	Resp:	31416
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.7	53.5
151	79.4	62.2	93.2

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:53:07 AM



#10

Methyl Iodide

Concen: 22.614 ug/l

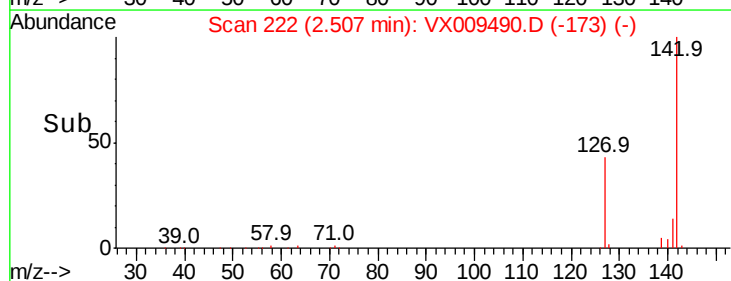
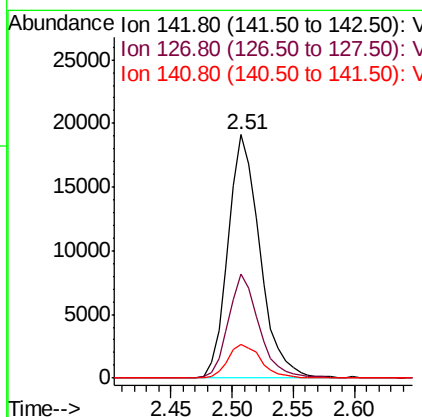
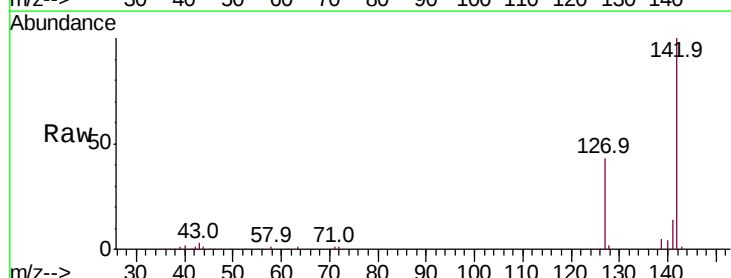
RT: 2.51 min Scan# 222

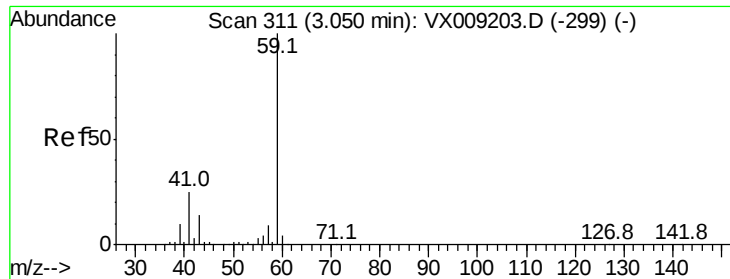
Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Tgt Ion:	142	Resp:	34457
Ion Ratio	Lower	Upper	
142	100		
127	41.3	32.7	49.1
141	14.4	11.5	17.3





#11

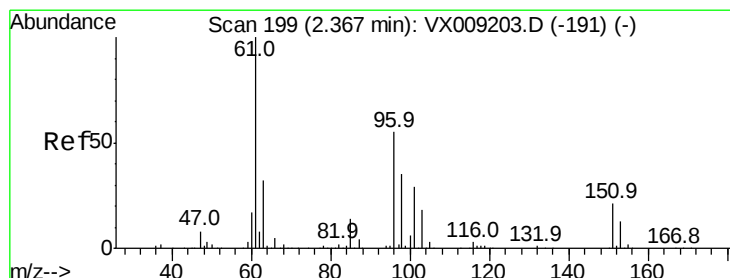
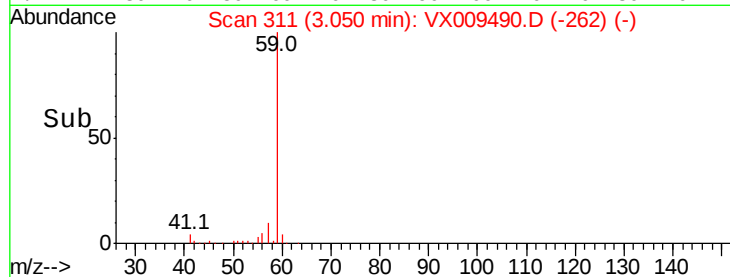
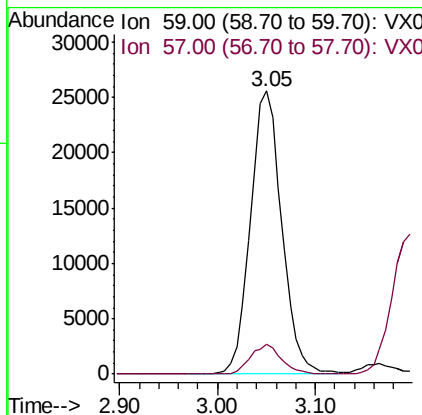
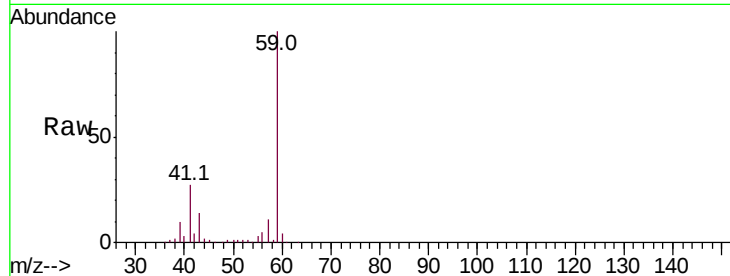
Tert butyl alcohol
 Concen: 113.106 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

Tot Ion	59	Resp	57040
Ion Ratio	100	Lower	Upper
57	10.6	8.2	12.2

Manual Integrations
 APPROVED

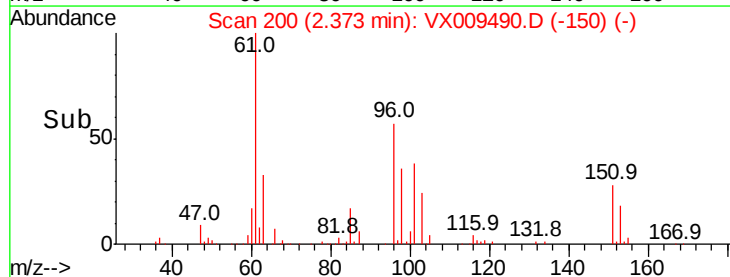
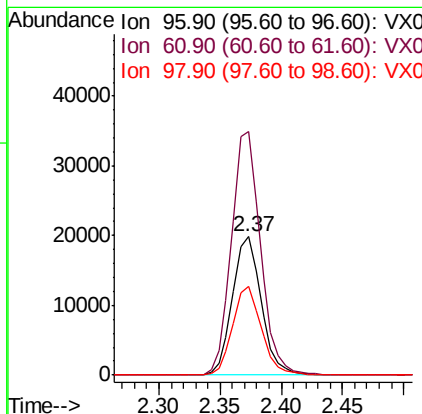
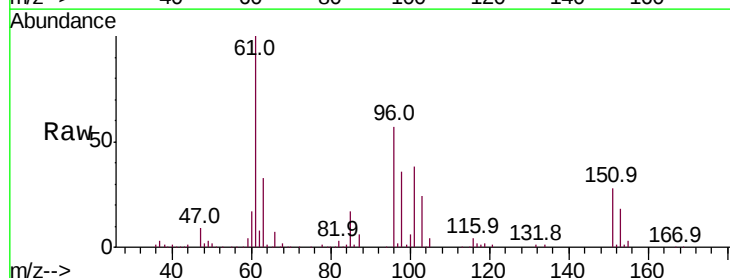
MMDadoda
 5/11/2019 11:53:07 AM

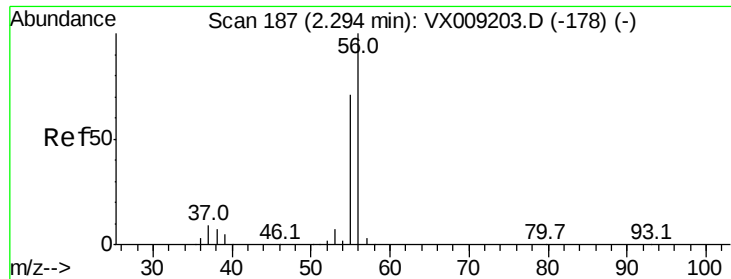


#12

1,1-Dichloroethene
 Concen: 21.604 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion	96	Resp	32351
Ion Ratio	100	Lower	Upper
61	175.9	144.3	216.5
98	63.9	50.3	75.5





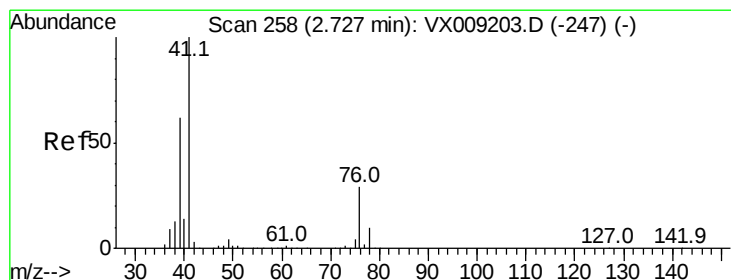
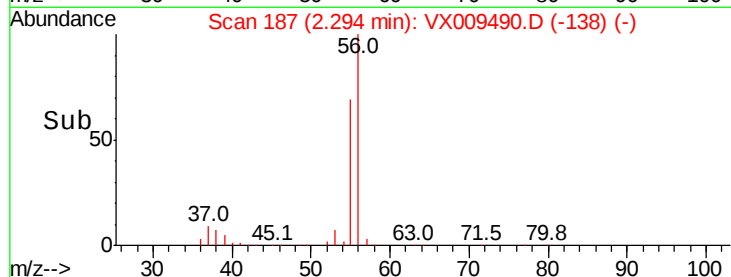
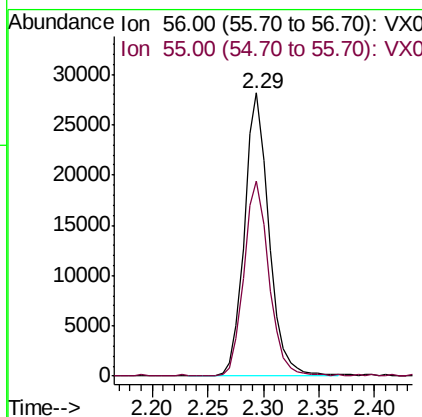
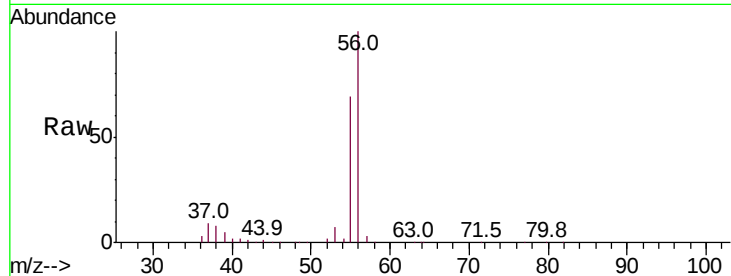
#13
Acrolein
Concen: 94.413 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.7	56.6	85.0

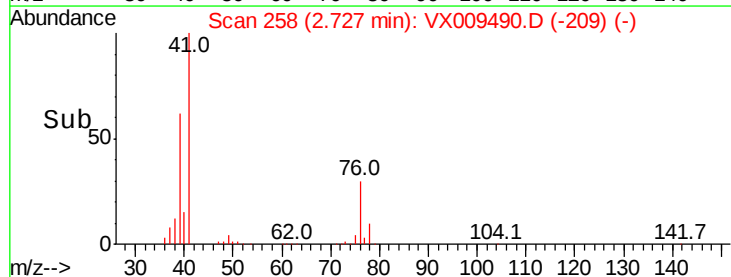
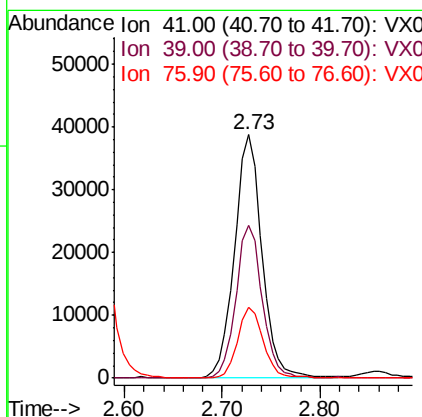
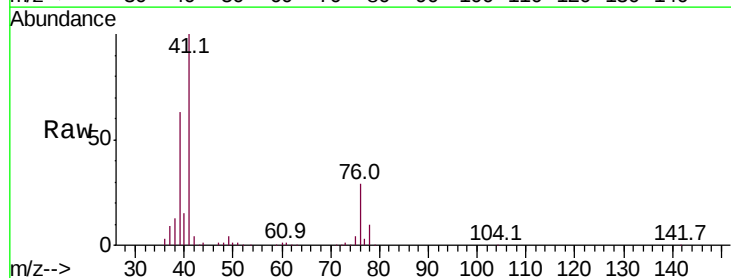
Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:53:07 AM



#14
Allyl chloride
Concen: 20.825 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.5	46.7	70.1
76	27.3	21.8	32.8





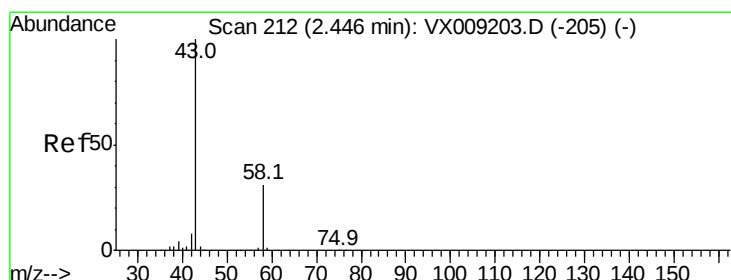
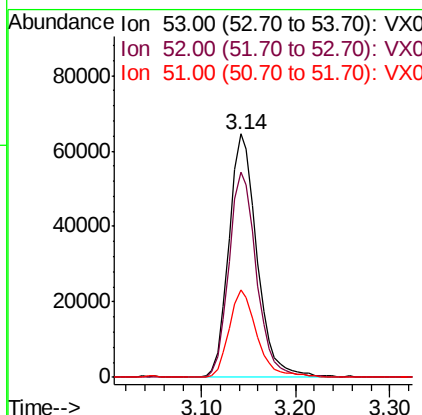
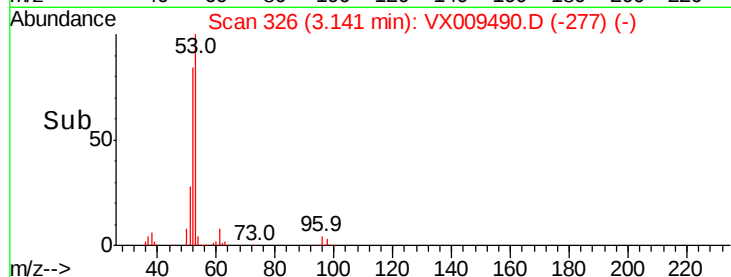
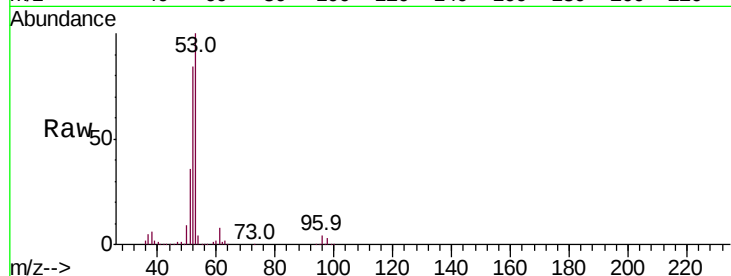
#15
 Acrylonitrile
 Concen: 107.993 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.9	100.3
51	36.1	28.2	42.2

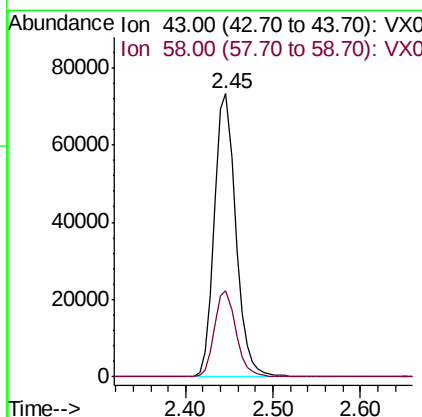
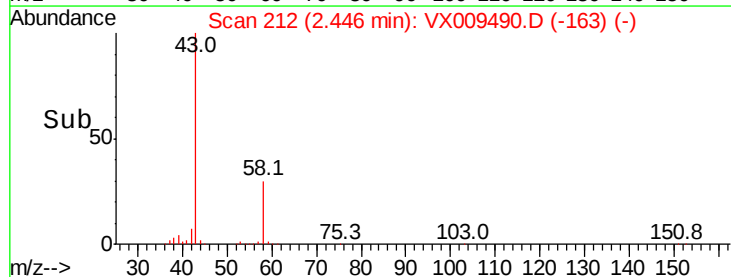
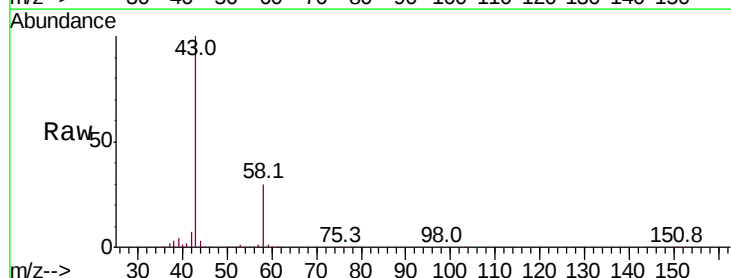
Manual Integrations
 APPROVED

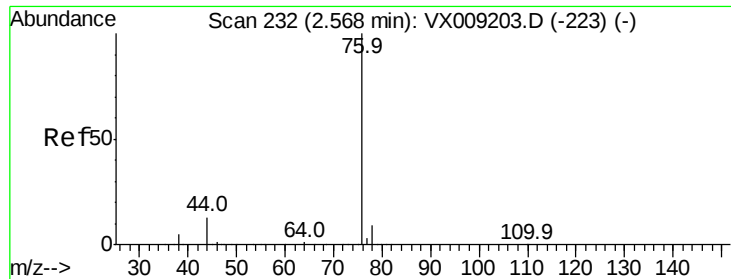
MMDadoda
 5/11/2019 11:53:07 AM



#16
 Acetone
 Concen: 107.309 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.9	37.3





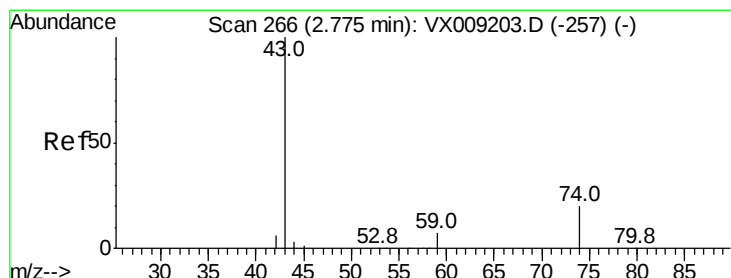
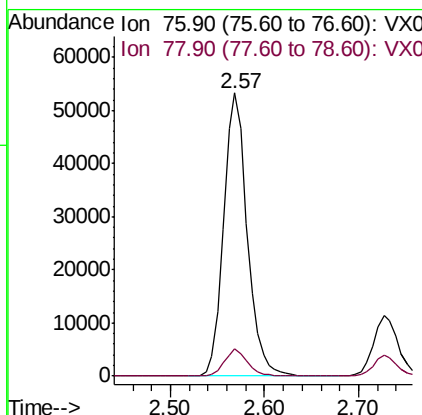
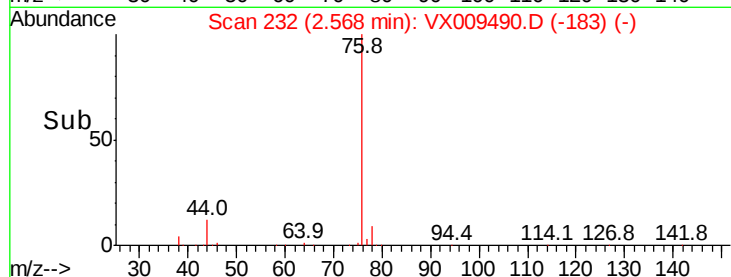
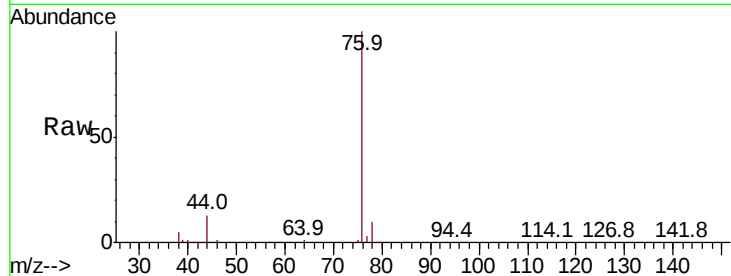
#17
Carbon Disulfide
Concen: 22.000 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.0

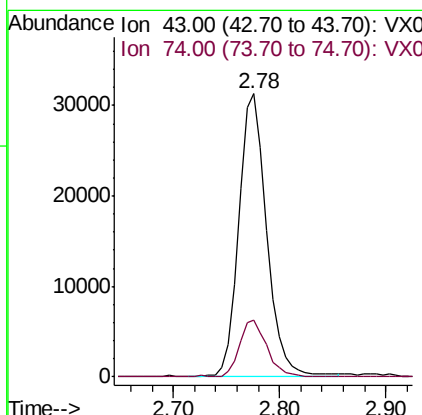
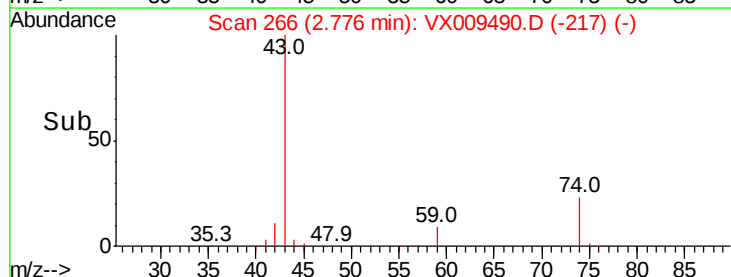
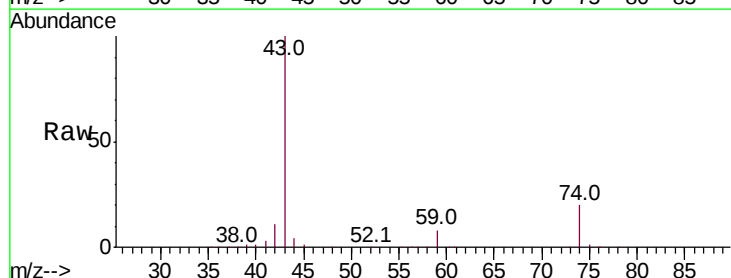
Manual Integrations
APPROVED

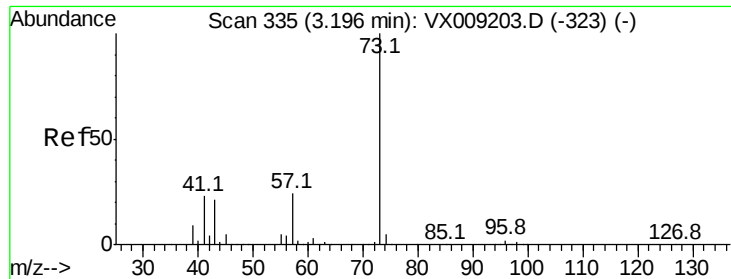
MMDadoda
5/11/2019 11:53:07 AM



#18
Methyl Acetate
Concen: 20.579 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	16.2	24.4





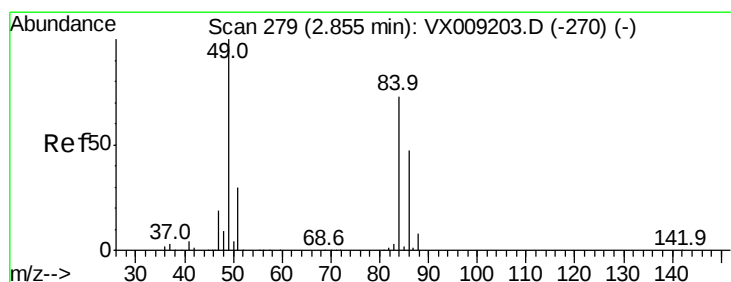
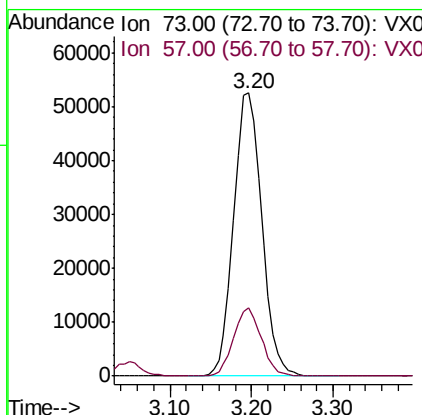
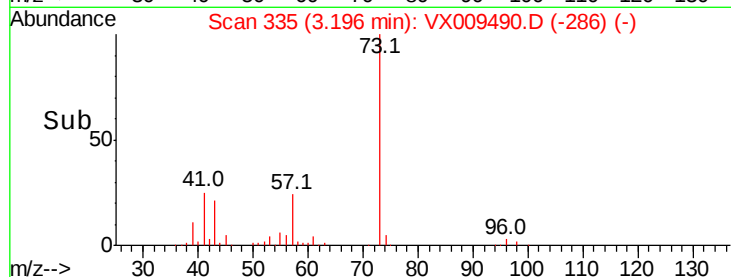
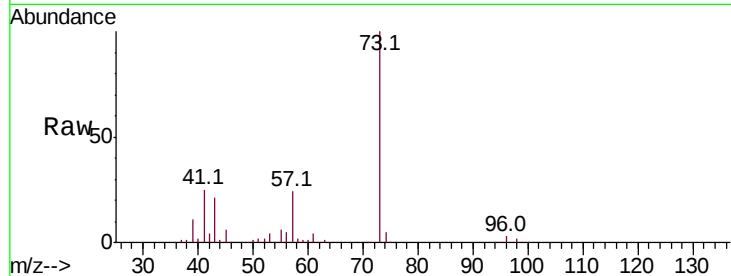
#19
Methvl tert-butvl Ether
Concen: 21.555 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion: 73 Resp: 125345
Ion Ratio Lower Upper
73 100
57 24.0 19.3 28.9

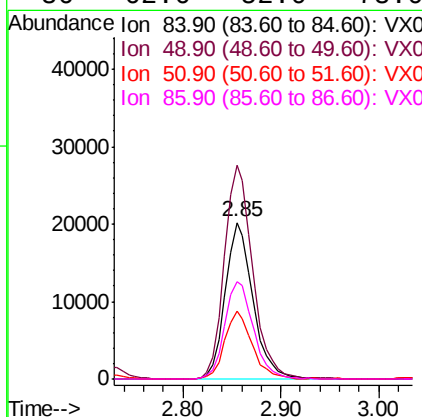
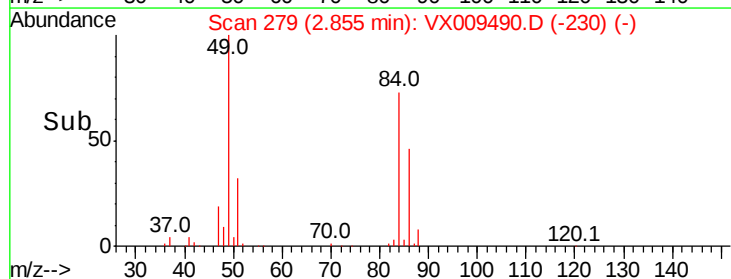
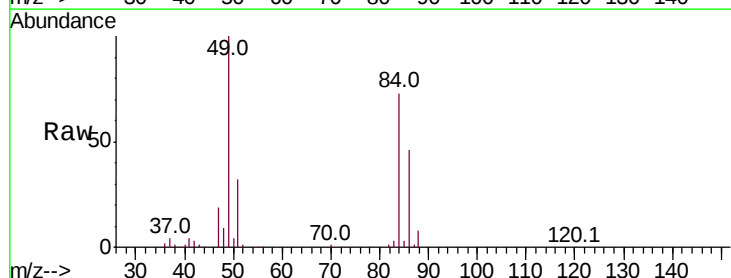
Manual Integrations
APPROVED

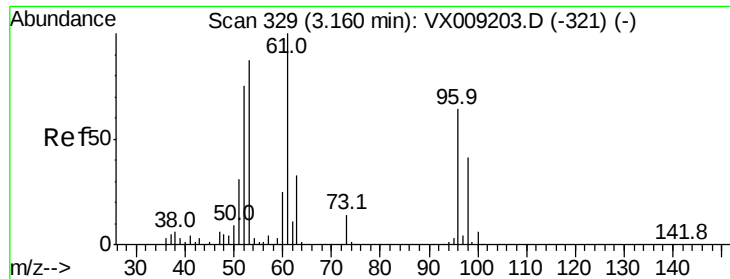
MMDadoda
5/11/2019 11:53:07 AM



#20
Methylene Chloride
Concen: 20.919 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion: 84 Resp: 39624
Ion Ratio Lower Upper
84 100
49 136.5 109.9 164.9
51 43.2 32.7 49.1
86 62.6 52.0 78.0





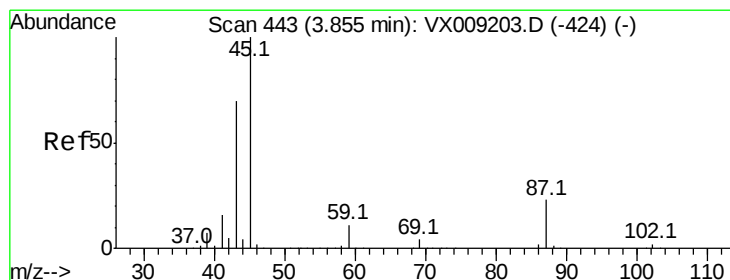
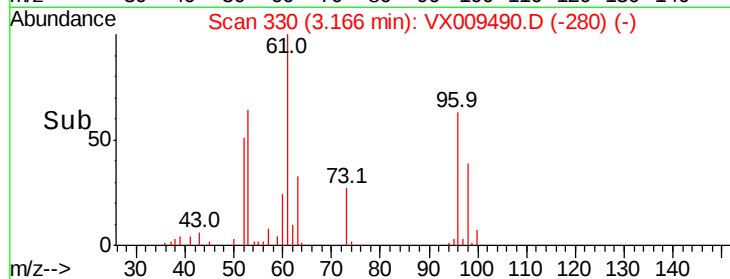
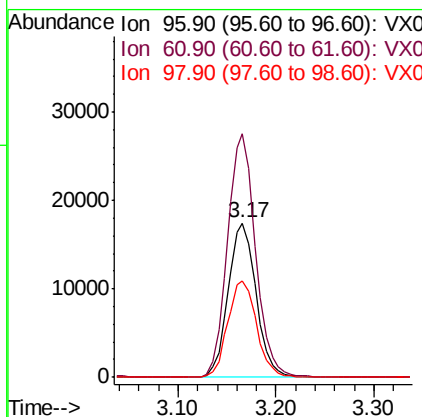
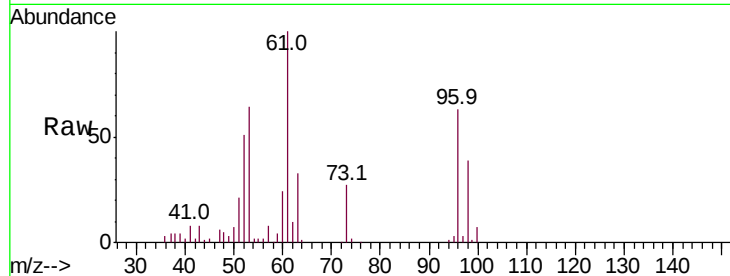
#21
trans-1,2-Dichloroethene
Concen: 21.281 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.01 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.7	124.5	186.7
98	62.1	50.4	75.6

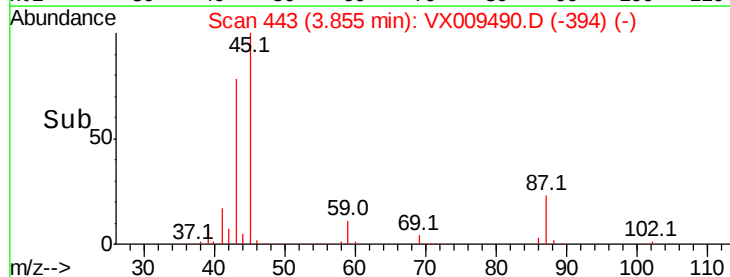
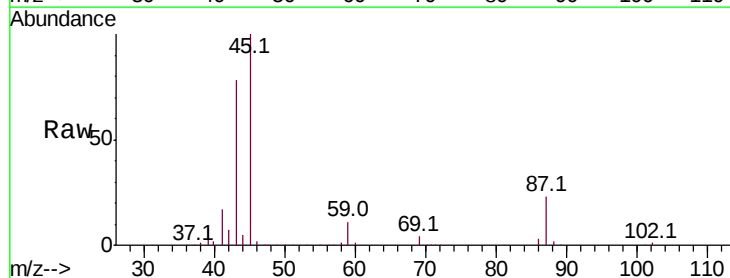
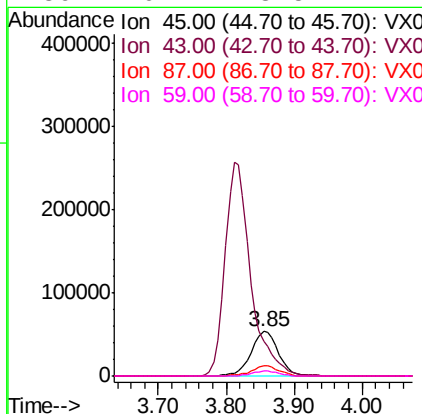
Manual Integrations
APPROVED

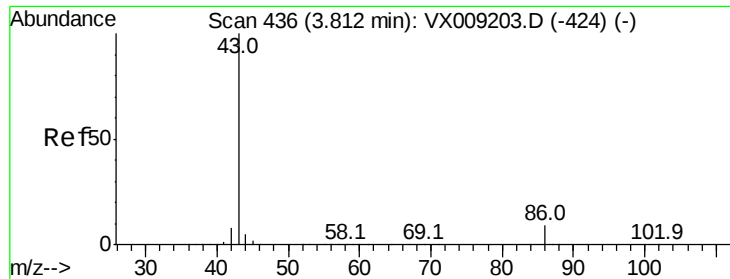
MMDadoda
5/11/2019 11:53:07 AM



#22
Diisopropyl ether
Concen: 21.323 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	78.2	56.1	84.1
87	22.8	18.1	27.1
59	10.7	8.5	12.7





#23

Vinyl Acetate

Concen: 111.890 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

Tot Ion: 43 Resp: 672418

Ion Ratio Lower Upper

43 100

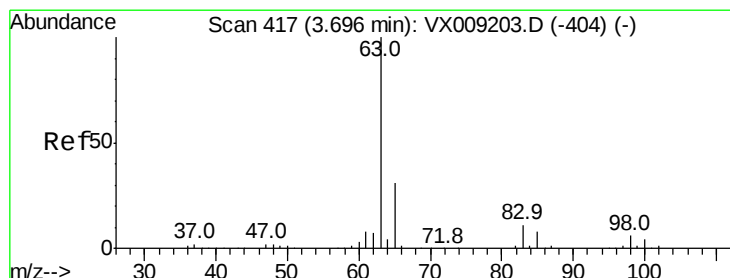
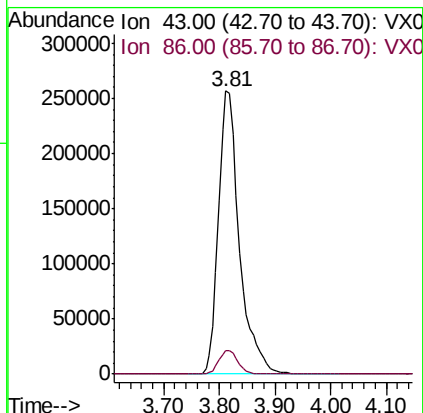
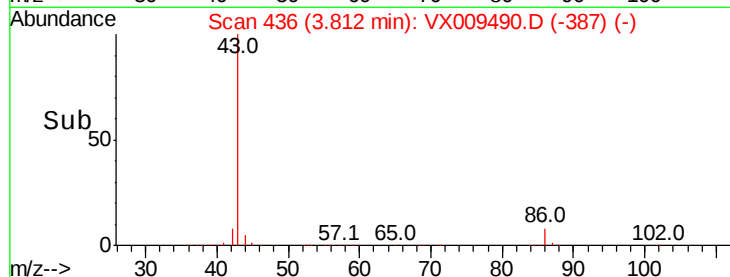
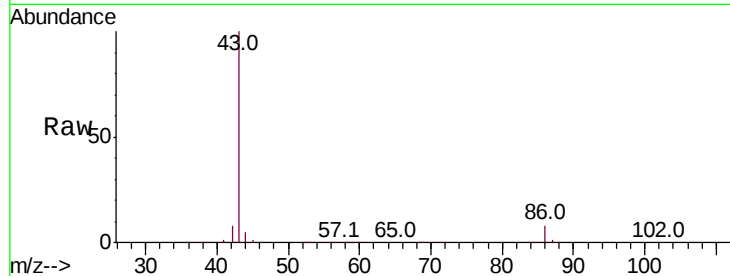
86 8.3 6.9 10.3

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:53:07 AM



#24

1,1-Dichloroethane

Concen: 21.152 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

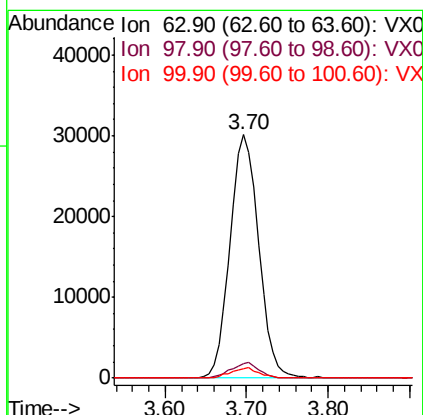
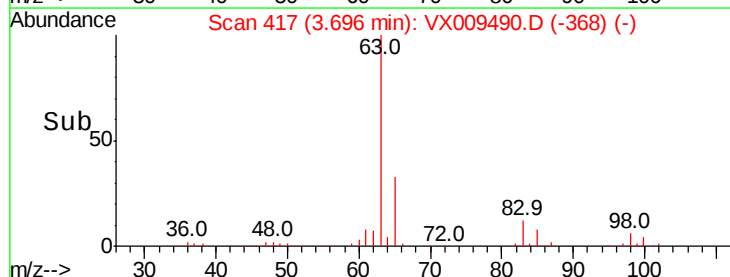
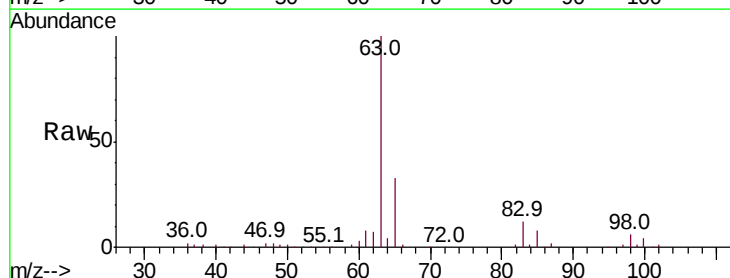
Tgt Ion: 63 Resp: 73231

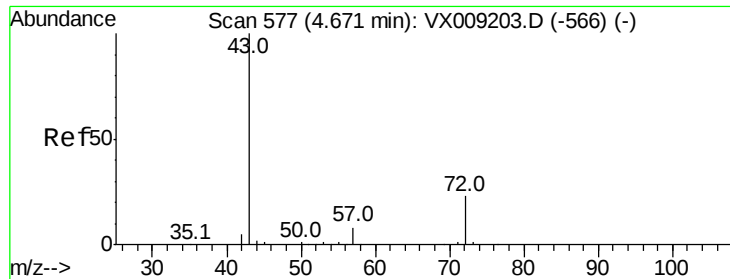
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 110.121 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

Tot Ion: 43 Resp: 200192

Ion Ratio Lower Upper

43 100

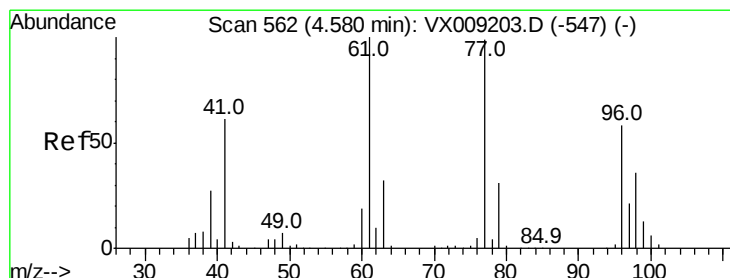
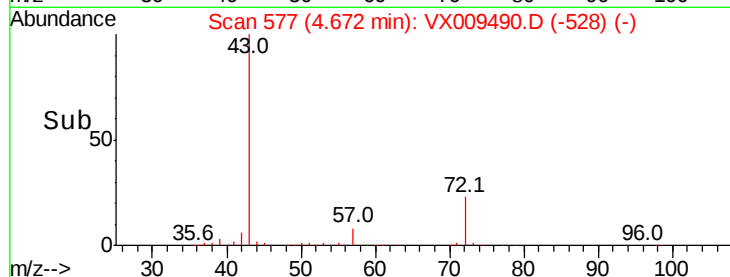
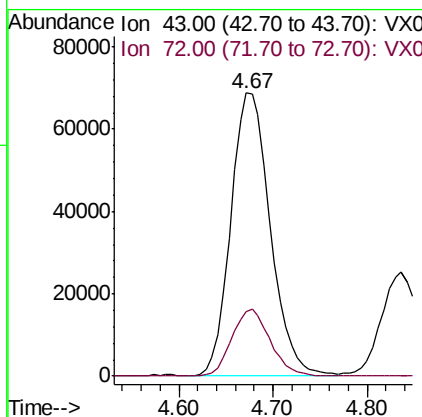
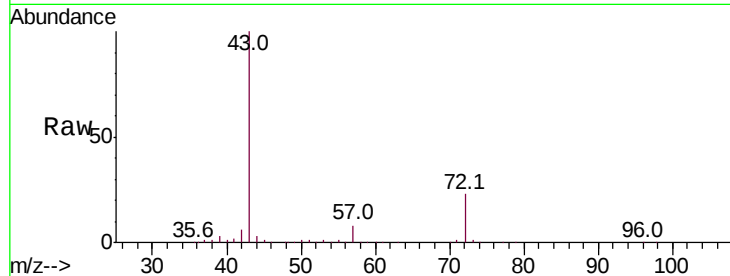
72 22.5 18.2 27.2

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:53:07 AM



#26

2,2-Dichloropropane

Concen: 20.164 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009490.D

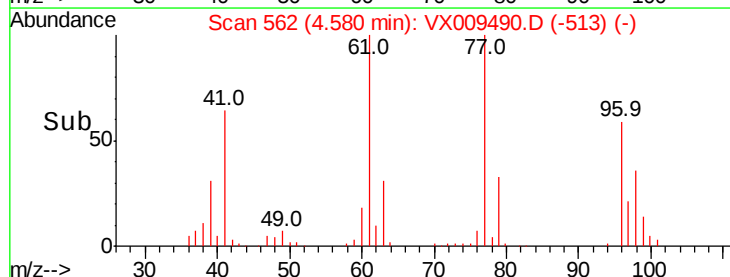
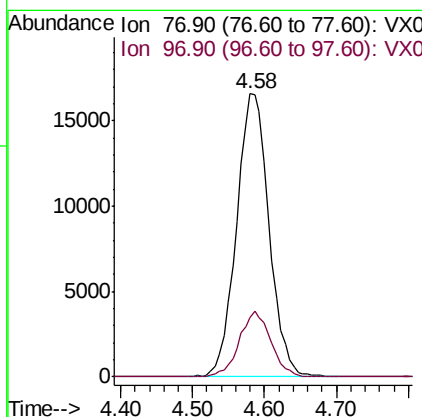
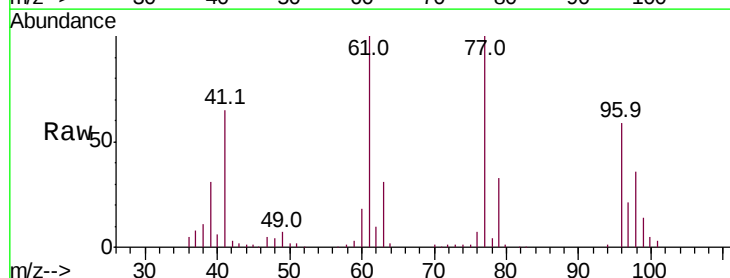
Acq: 10 May 2019 18:53

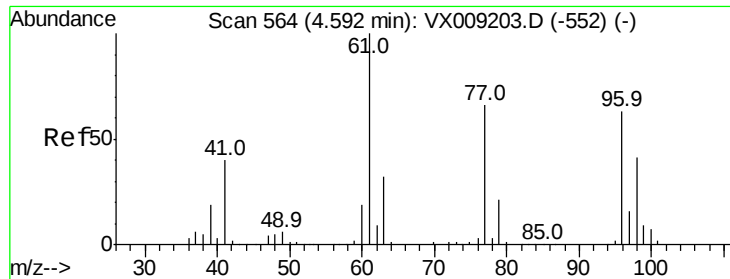
Tgt Ion: 77 Resp: 51963

Ion Ratio Lower Upper

77 100

97 22.5 11.5 34.4





#27

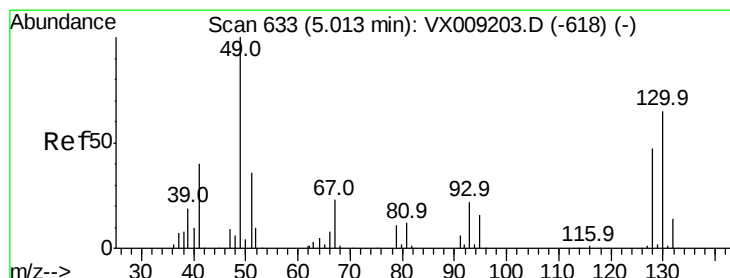
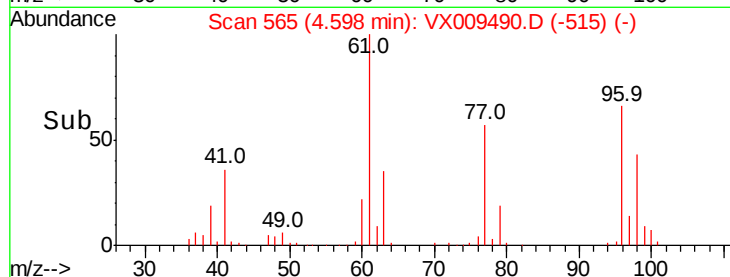
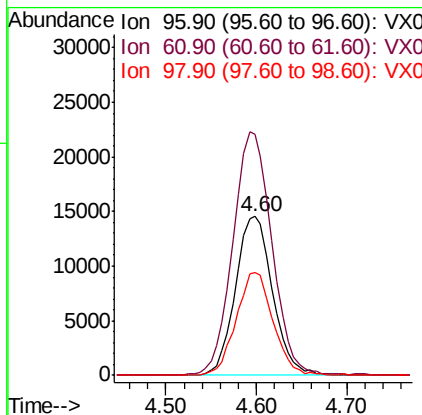
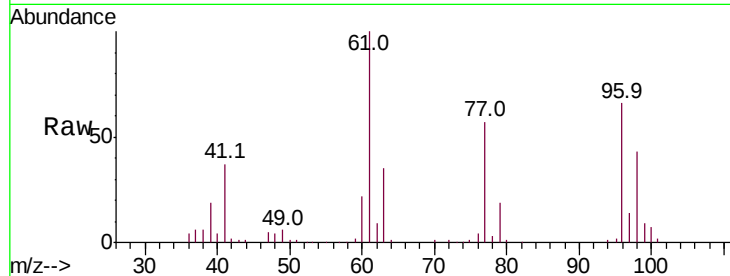
cis-1,2-Dichloroethene
 Concen: 21.339 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.7	0.0	324.0
98	64.1	0.0	130.4

Manual Integrations
 APPROVED

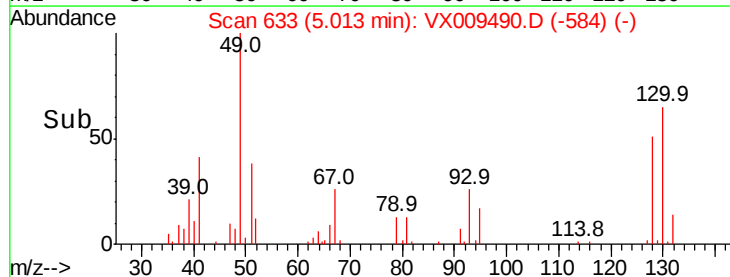
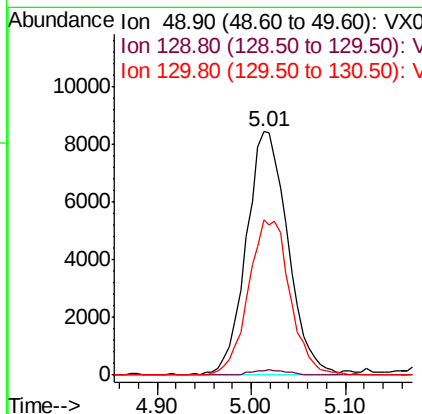
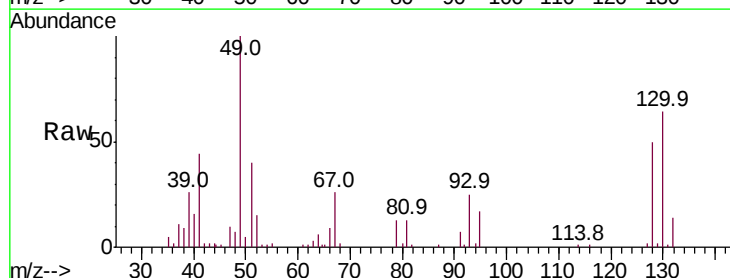
MMDadoda
 5/11/2019 11:53:07 AM

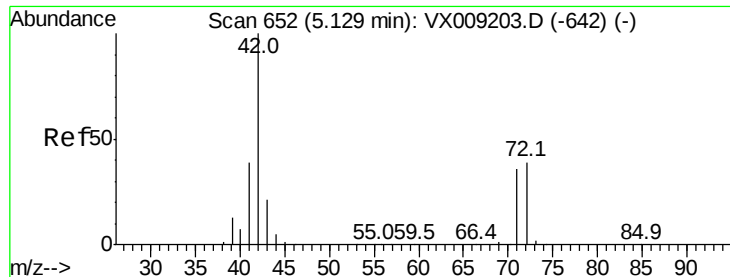


#28

Bromochloromethane
 Concen: 16.940 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	63.9	51.2	76.8





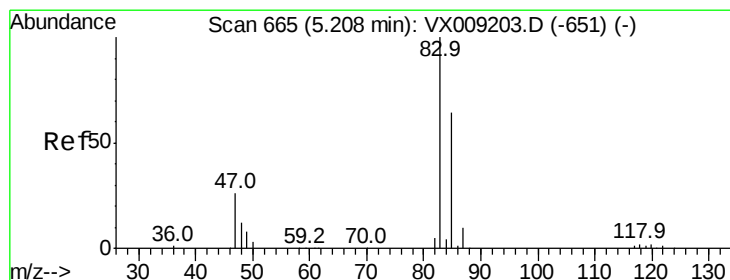
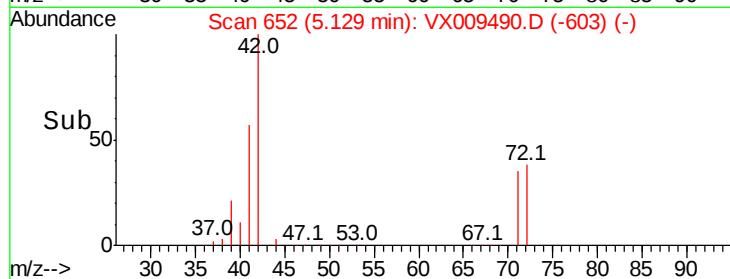
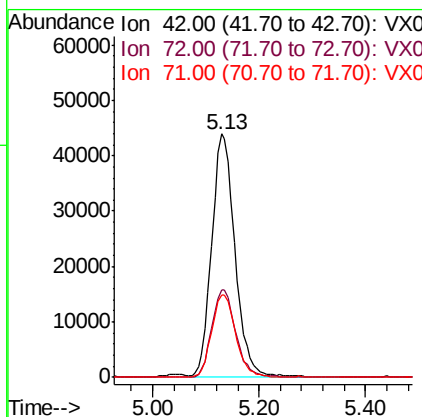
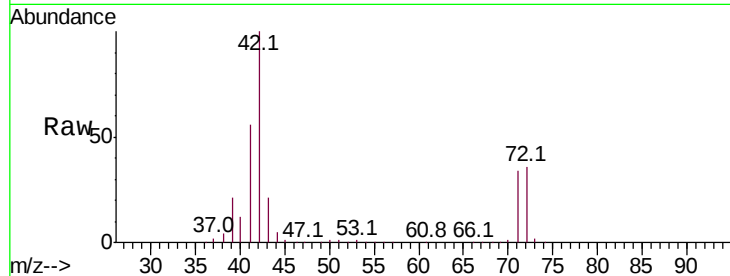
#29
Tetrahydrofuran
Concen: 113.756 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	30.4	45.6
71	35.1	28.6	43.0

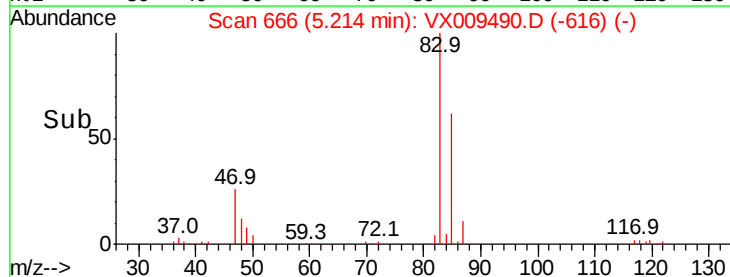
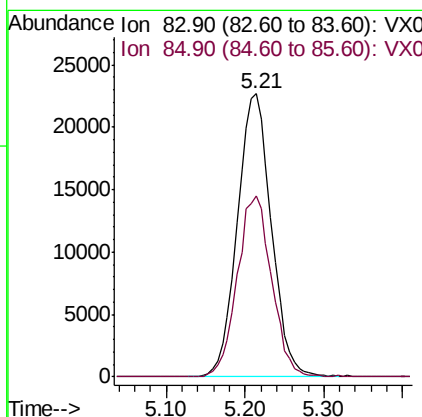
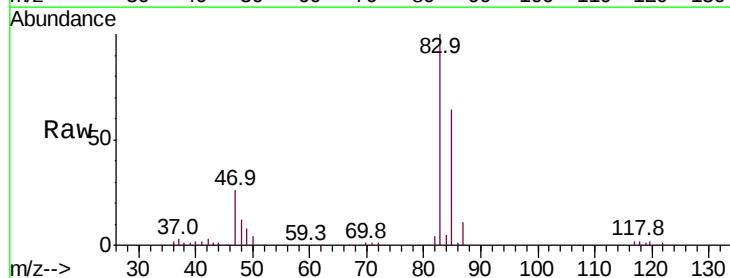
Manual Integrations
APPROVED

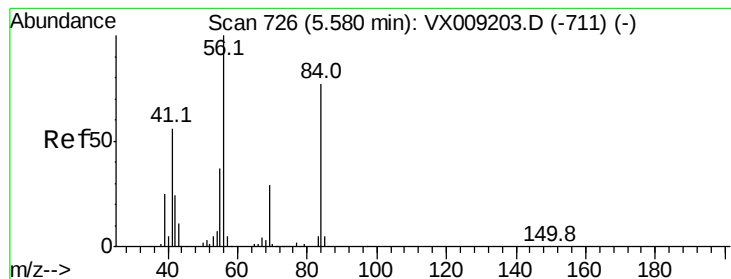
MMDadoda
5/11/2019 11:53:07 AM



#30
Chloroform
Concen: 21.706 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.5	77.3





#31

Cyclohexane

Concen: 21.870 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

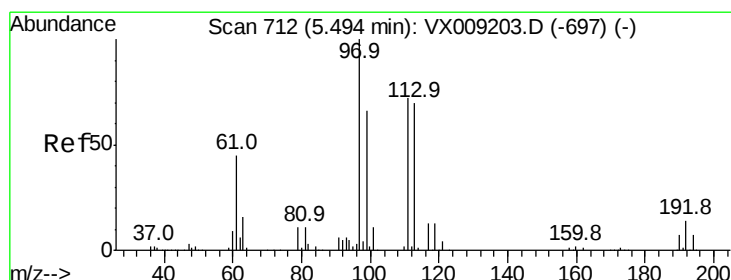
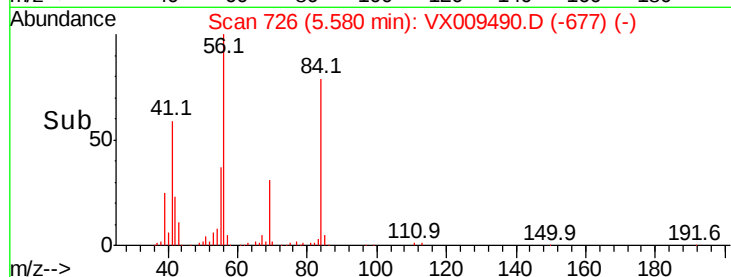
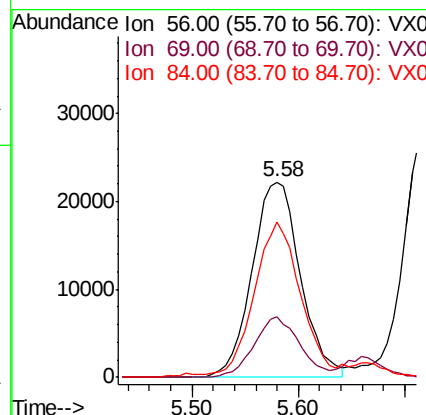
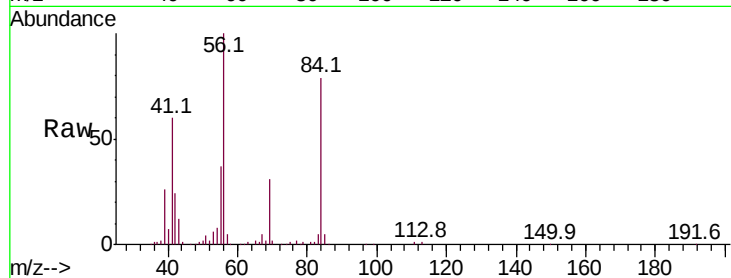
ClientSampleId :

VX0510WBSD02

Tot Ion:	56	Resp:	70445
Ion	Ratio	Lower	Upper
56	100		
69	31.3	23.4	35.0
84	77.9	61.9	92.9

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:53:07 AM



#32

1,1,1-Trichloroethane

Concen: 21.266 ug/l

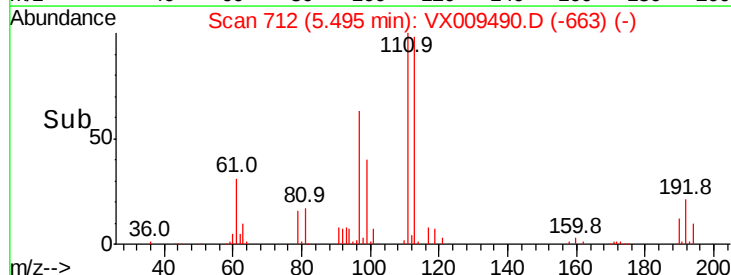
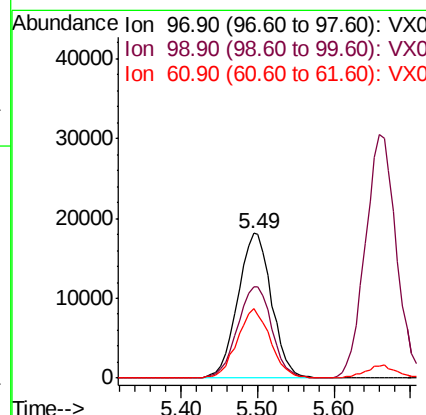
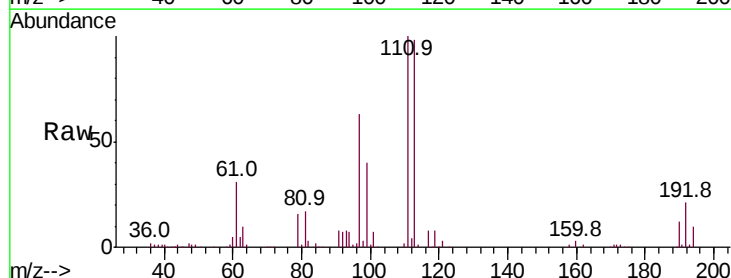
RT: 5.49 min Scan# 712

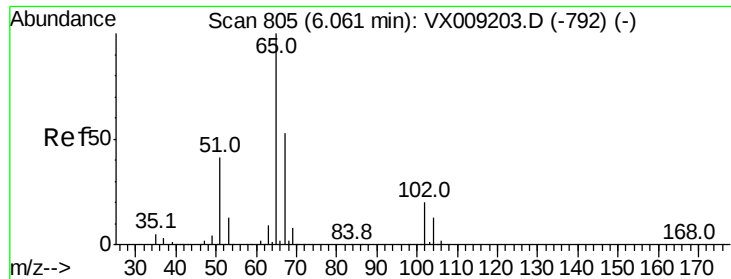
Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Tgt Ion:	97	Resp:	55433
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.8
61	46.9	37.8	56.8





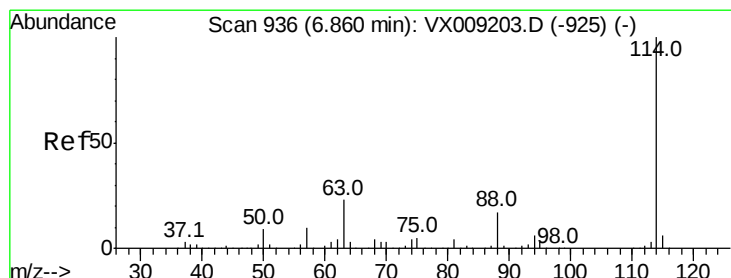
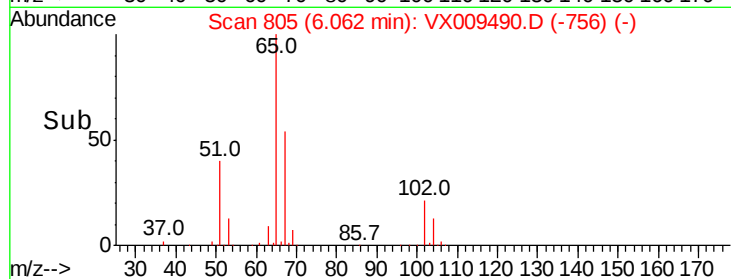
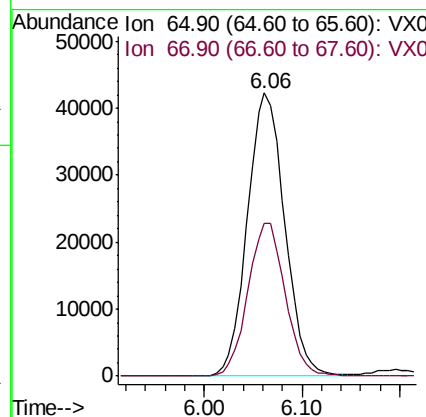
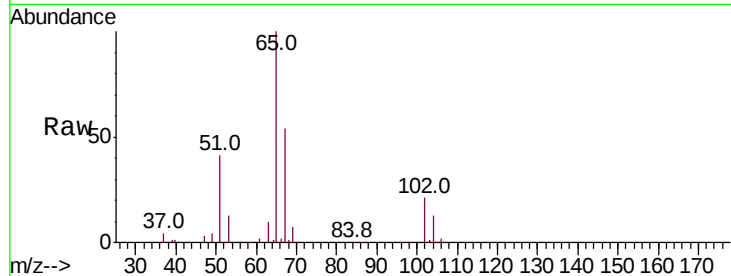
#33
 1,2-Dichloroethane-d4
 Concen: 51.321 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	106.6	

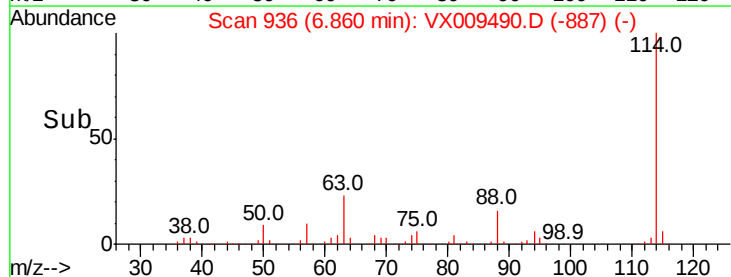
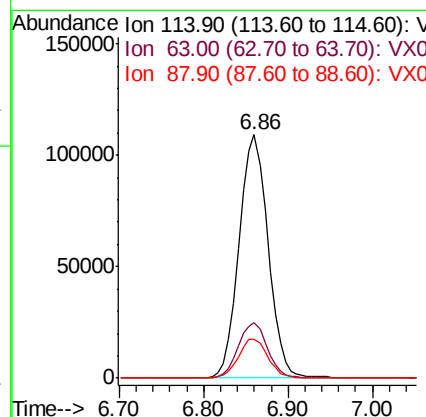
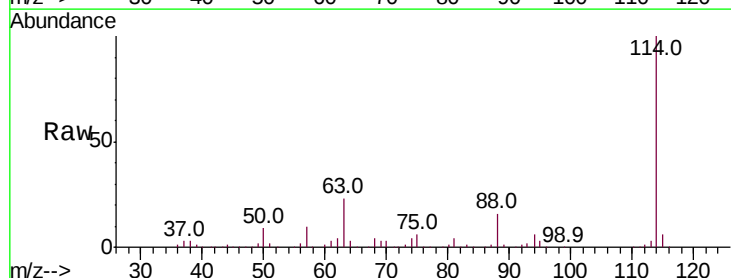
Manual Integrations
 APPROVED

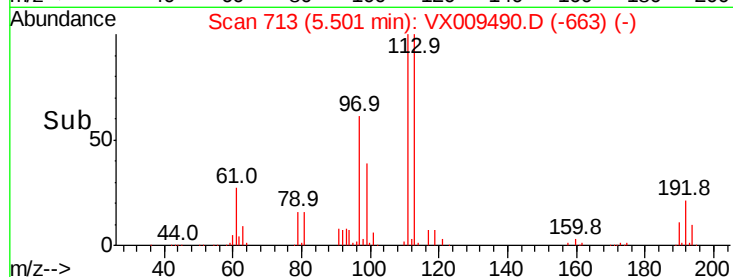
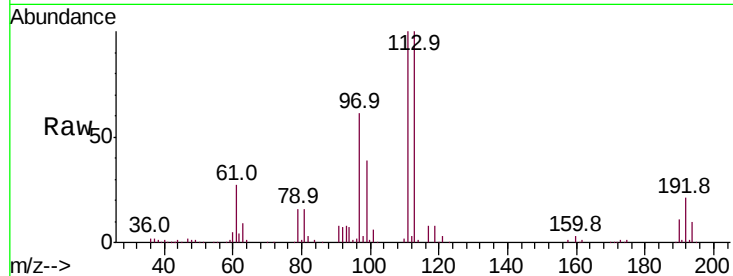
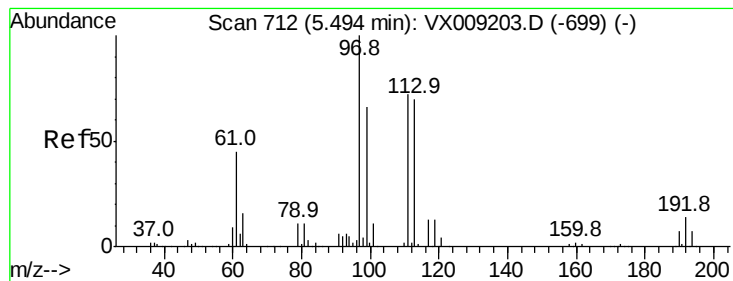
MMDadoda
 5/11/2019 11:53:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.9	0.0	45.6	
88	16.0	0.0	33.2	





#35

Dibromofluoromethane

Concen: 52.113 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009490.D

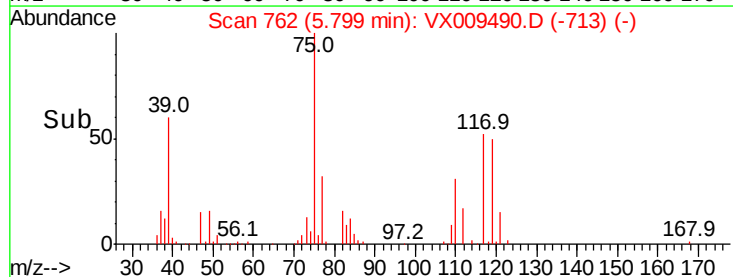
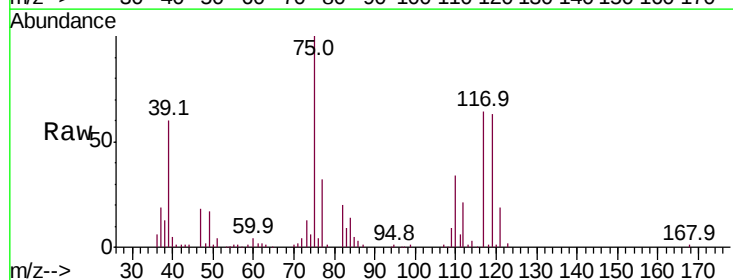
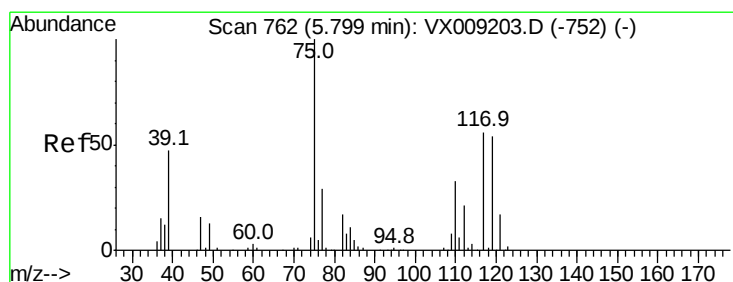
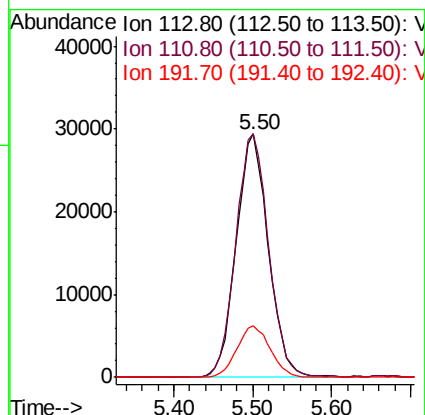
Acq: 10 May 2019 18:53

Tot Ion:	113	Resp:	83251
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.8	124.2
192	21.9	17.0	25.6

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:53:07 AM



#36

1,1-Dichloropropene

Concen: 21.593 ug/l

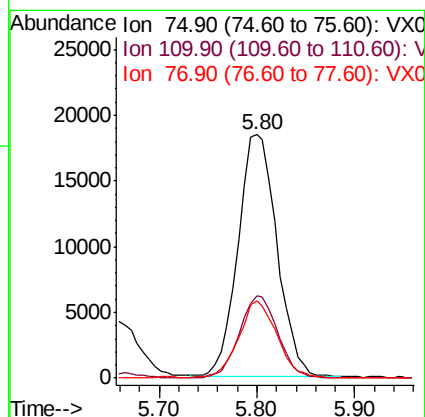
RT: 5.80 min Scan# 762

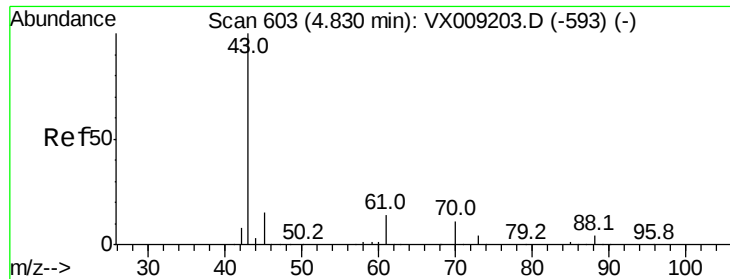
Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Tgt Ion:	75	Resp:	50994
Ion Ratio	Lower	Upper	
75	100		
110	33.6	16.9	50.6
77	31.4	24.8	37.2





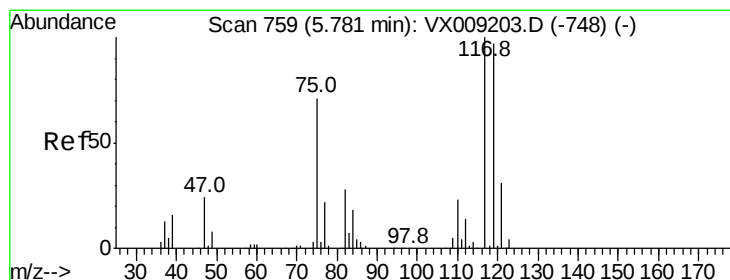
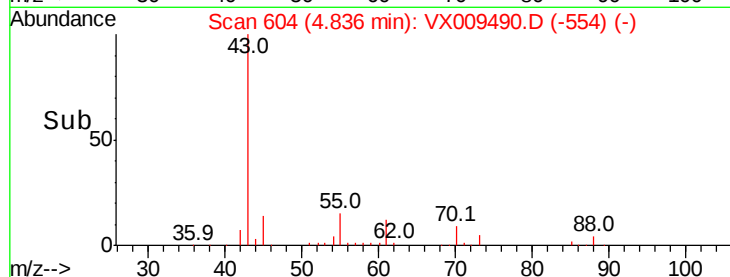
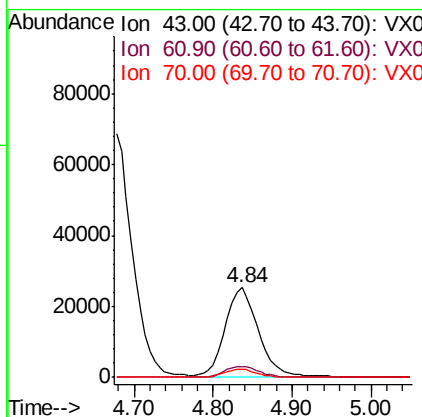
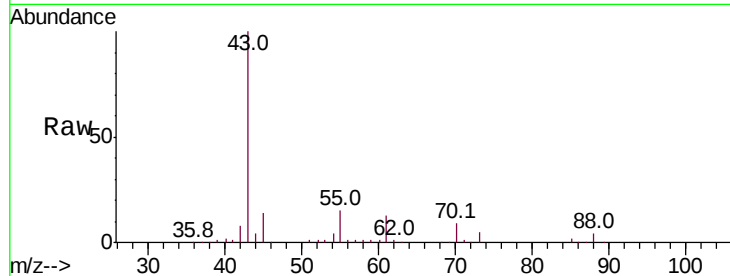
#37
Ethyl Acetate
Concen: 22.375 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	9.3	7.9	11.9

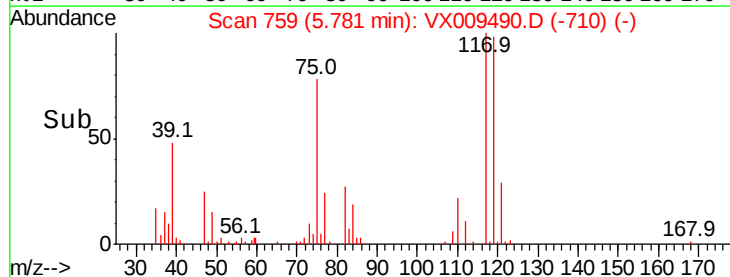
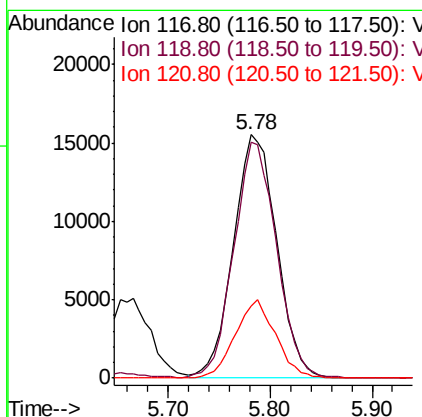
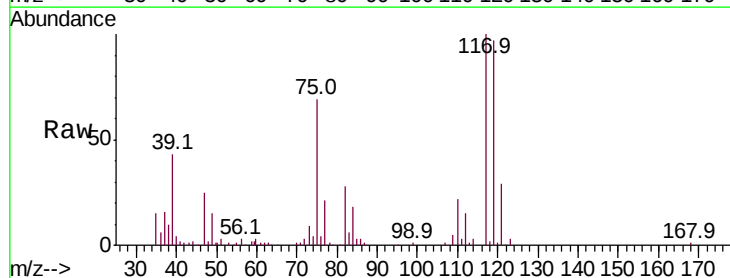
Manual Integrations
APPROVED

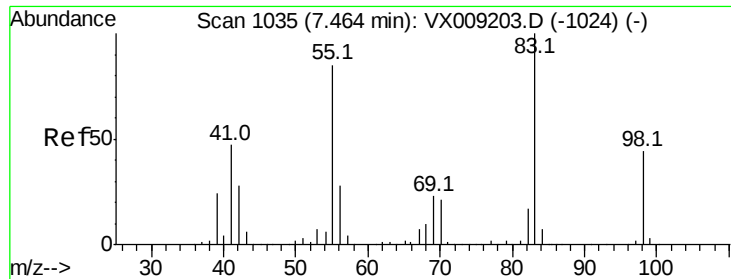
MMDadoda
5/11/2019 11:53:07 AM



#38
Carbon Tetrachloride
Concen: 21.366 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.5	116.3
121	29.4	24.7	37.1





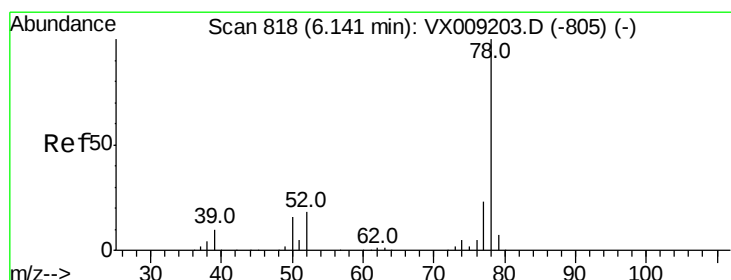
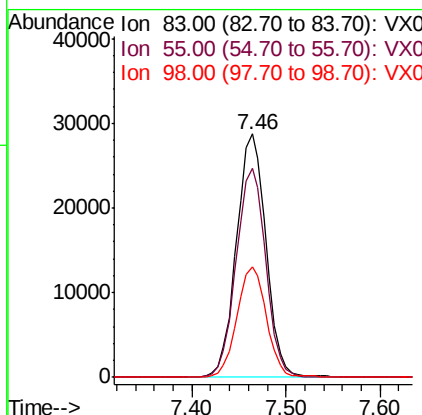
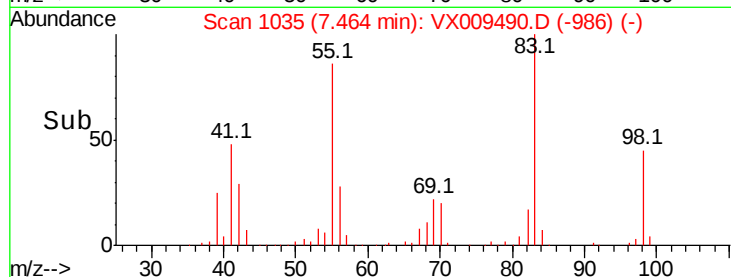
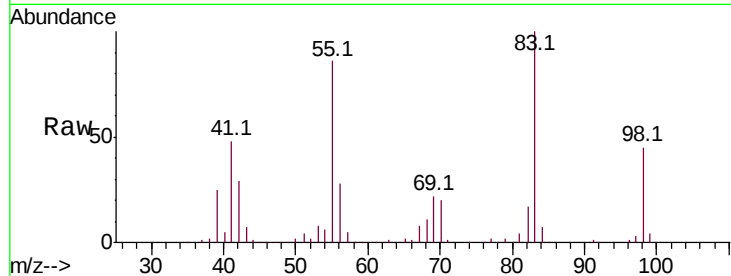
#39
Methvlcvclohexane
Concen: 21.732 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.0	67.7	101.5
98	45.3	35.5	53.3

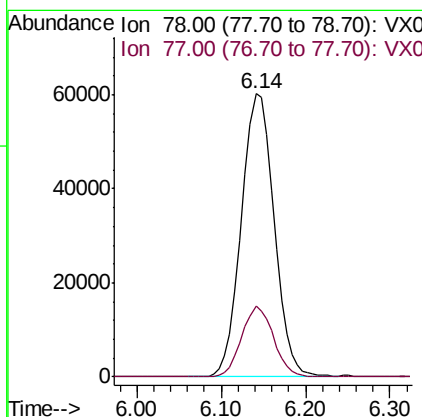
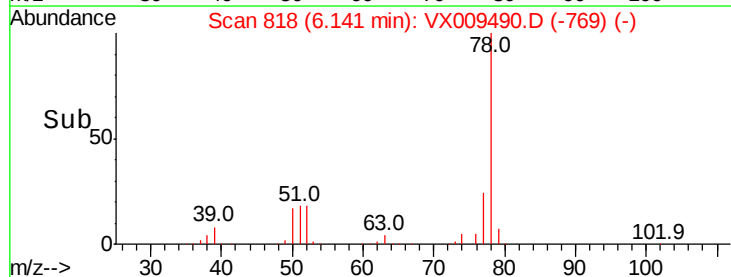
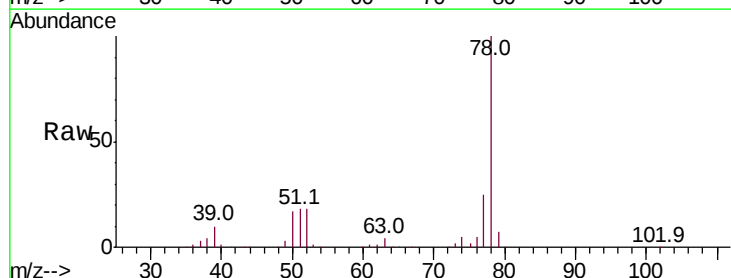
Manual Integrations
APPROVED

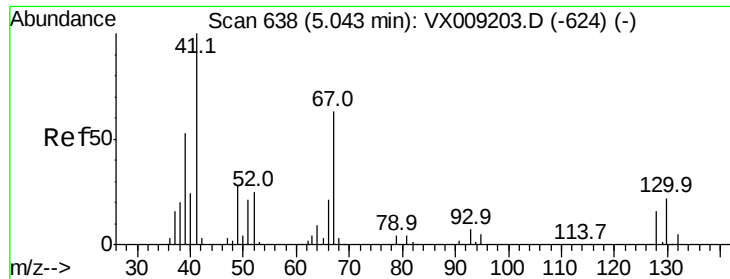
MMDadoda
5/11/2019 11:53:07 AM



#40
Benzene
Concen: 21.795 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.8	28.2





#41

Methacrylonitrile

Concen: 21.099 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

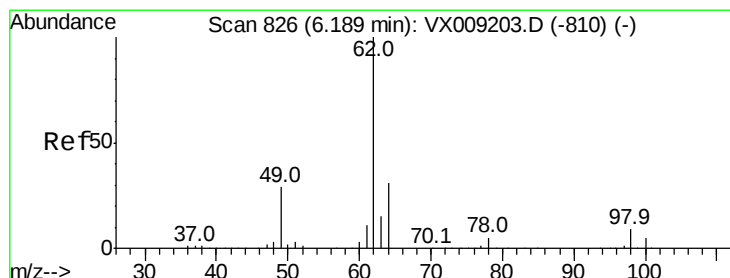
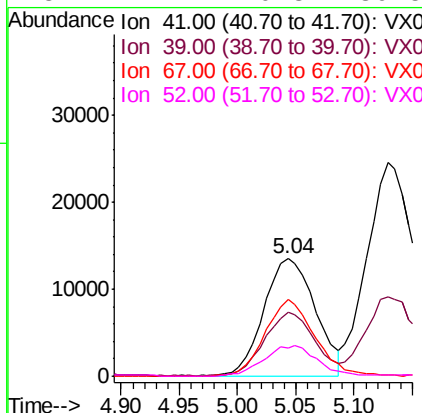
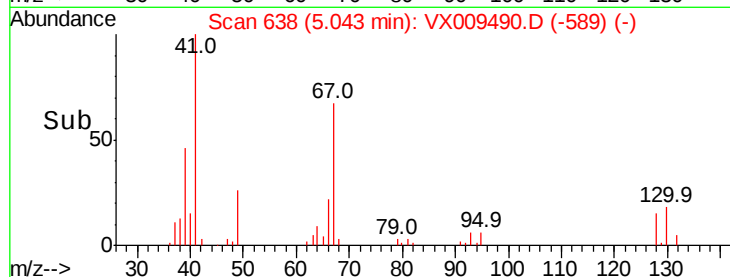
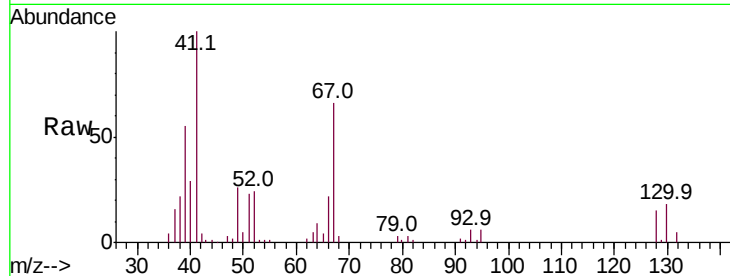
ClientSampleId :

VX0510WBSD02

Tot Ion:	41	Resp:	41326
Ion	Ratio	Lower	Upper
41	100		
39	53.7	42.0	63.0
67	63.3	49.8	74.8
52	27.2	20.3	30.5

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:53:07 AM



#42

1,2-Dichloroethane

Concen: 22.008 ug/l

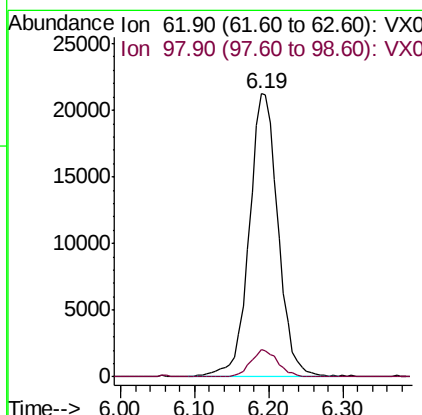
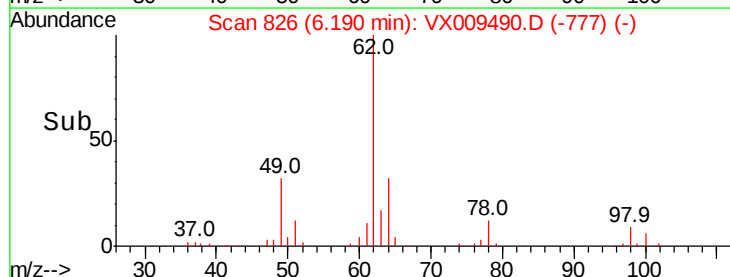
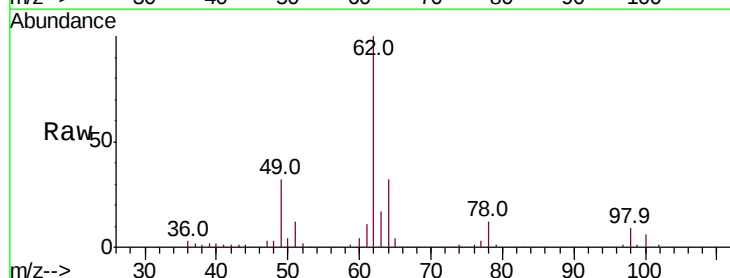
RT: 6.19 min Scan# 826

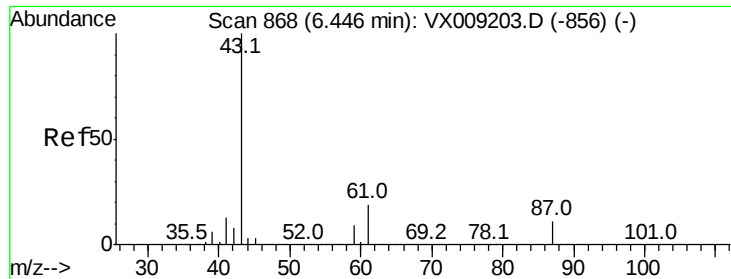
Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Tgt Ion:	62	Resp:	57699
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





#43

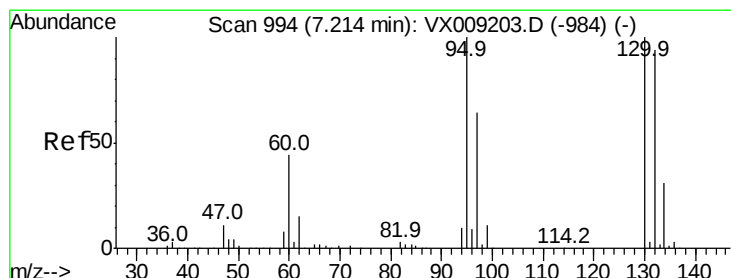
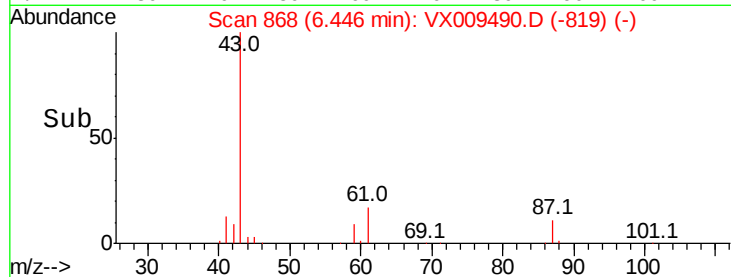
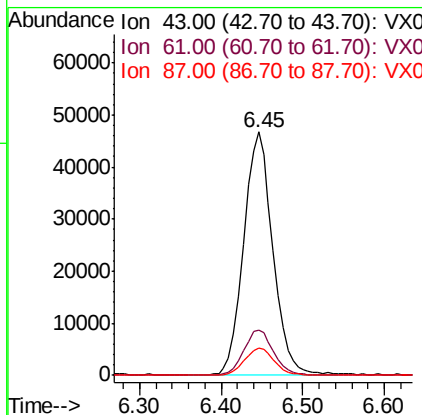
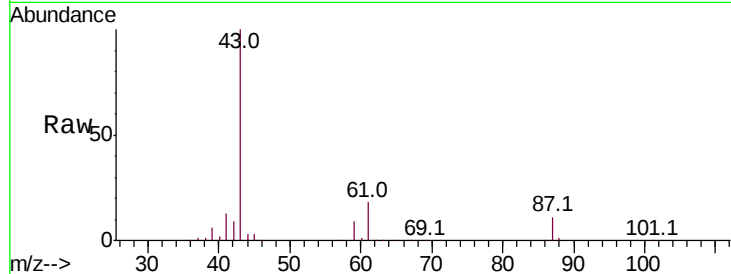
Isopropyl Acetate
 Concen: 21.859 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.1	22.7
87	11.7	9.0	13.6

Manual Integrations
 APPROVED

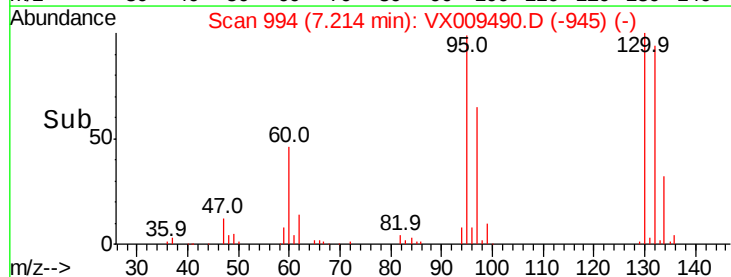
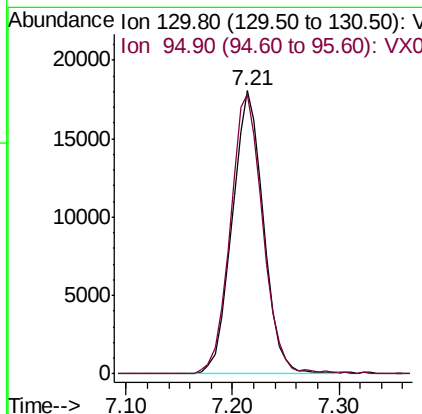
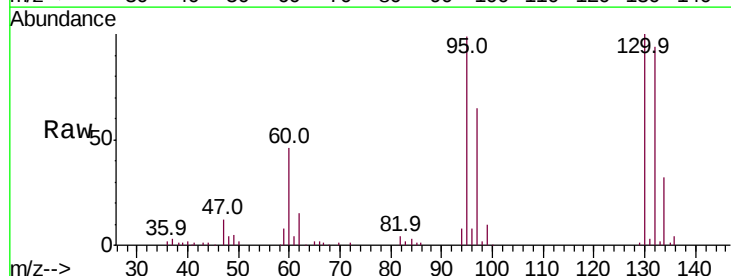
MMDadoda
 5/11/2019 11:53:07 AM

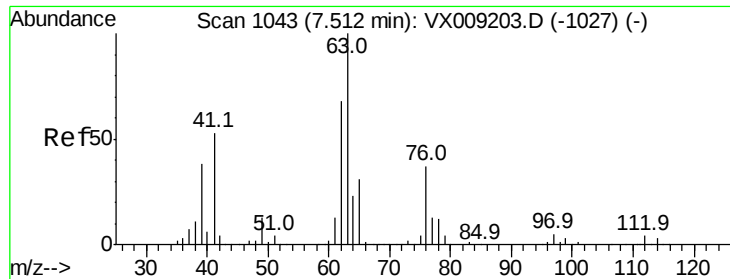


#44

Trichloroethene
 Concen: 21.074 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	199.2





#45

1,2-Dichloropropane

Concen: 21.595 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

Tot Ion: 63 Resp: 44692

Ion Ratio Lower Upper

63 100

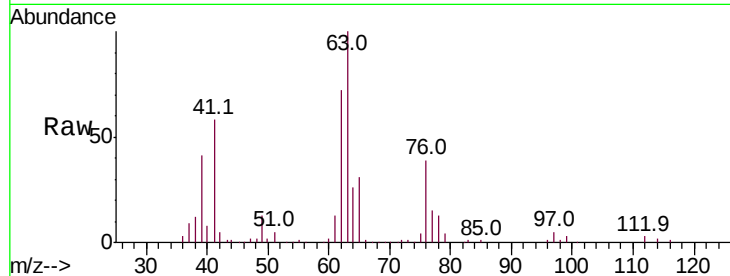
65 30.8 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:53:07 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

25000

20000

15000

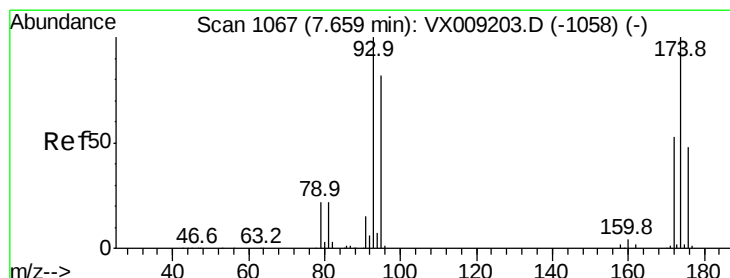
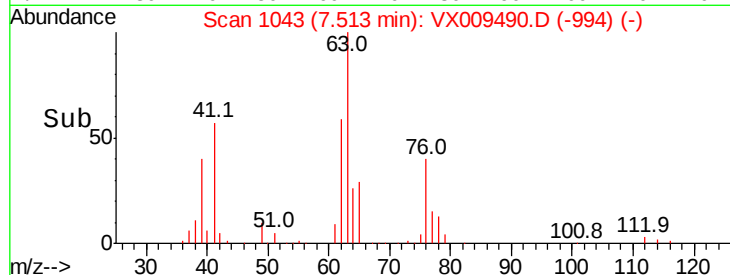
10000

5000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 21.305 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

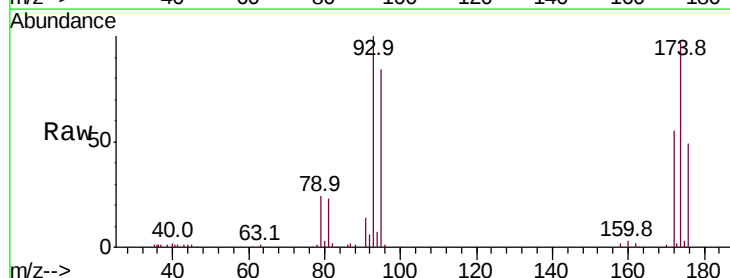
Tgt Ion: 93 Resp: 25604

Ion Ratio Lower Upper

93 100

95 86.1 66.5 99.7

174 104.1 82.1 123.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

15000

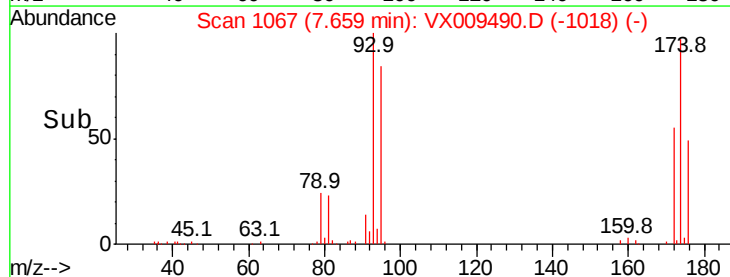
10000

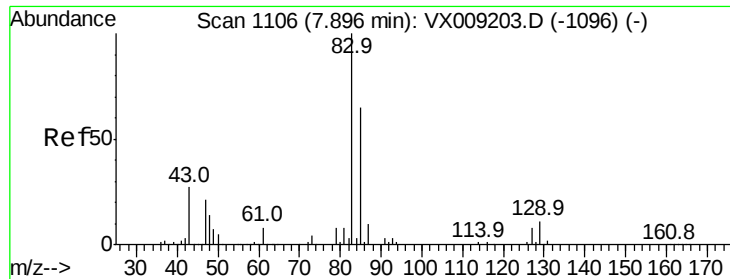
5000

0

7.60 7.70 7.80

Time-->





#47

Bromodichloromethane

Concen: 21.392 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

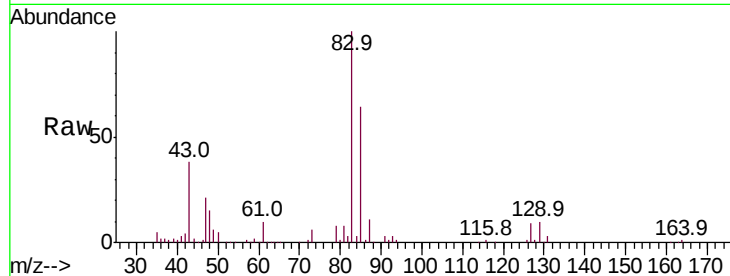
ClientSampleId :

VX0510WBSD02

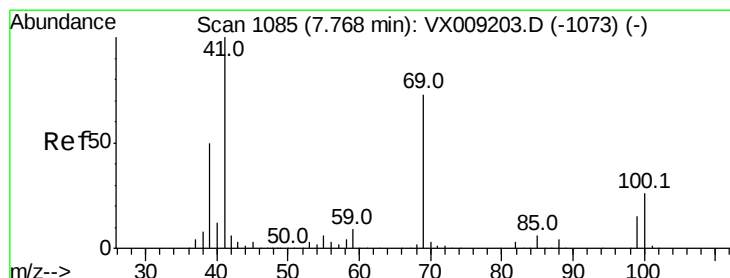
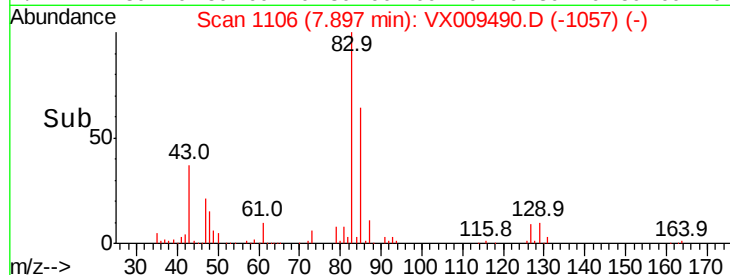
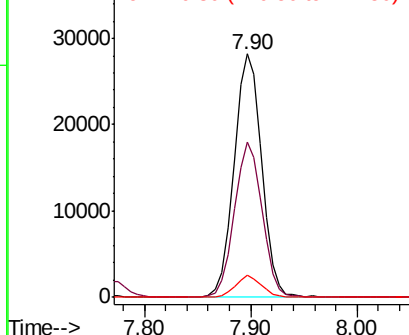
Tot Ion:	83	Resp:	51283
Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.4	78.6
127	9.3	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:53:07 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 22.637 ug/l

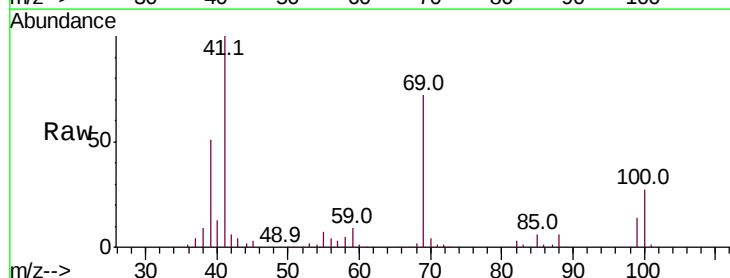
RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

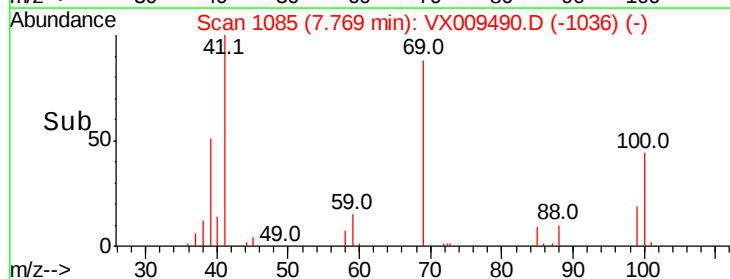
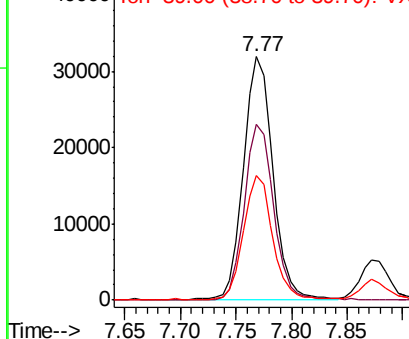
Lab File: VX009490.D

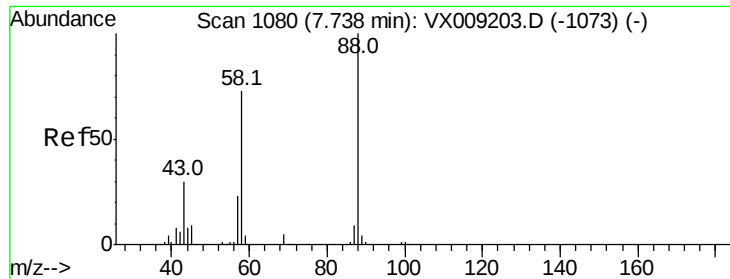
Acq: 10 May 2019 18:53

Tgt Ion:	41	Resp:	59109
Ion	Ratio	Lower	Upper
41	100		
69	71.8	59.1	88.7
39	49.8	40.4	60.6



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





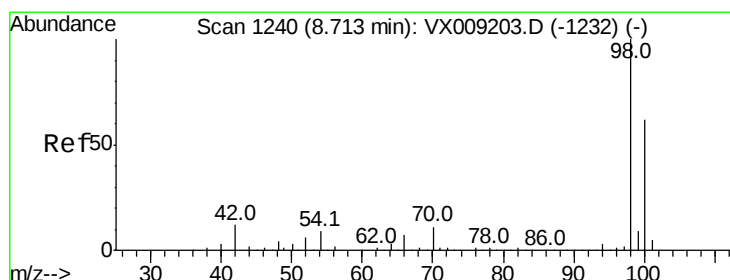
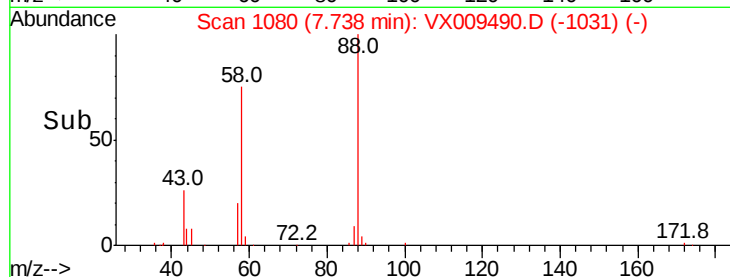
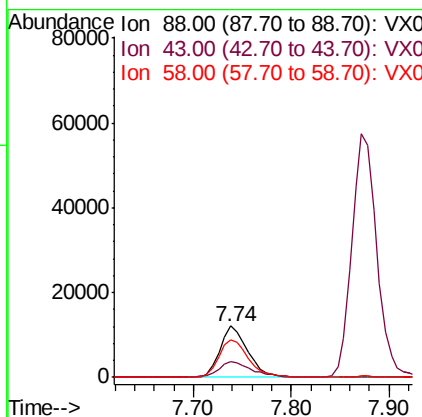
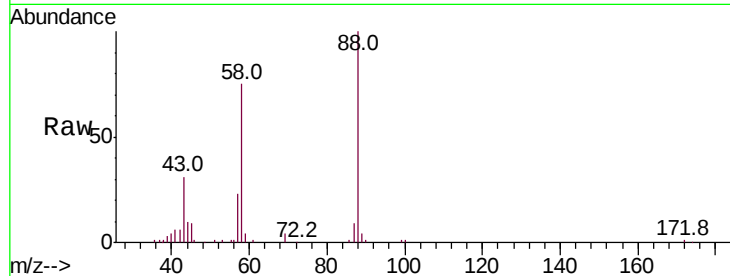
#49
1,4-Dioxane
Concen: 450.499 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	28.6	42.8
58	79.3	61.7	92.5

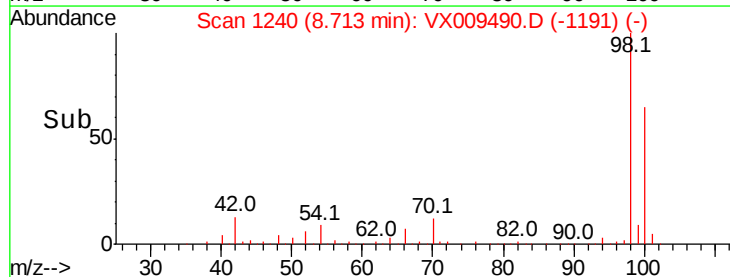
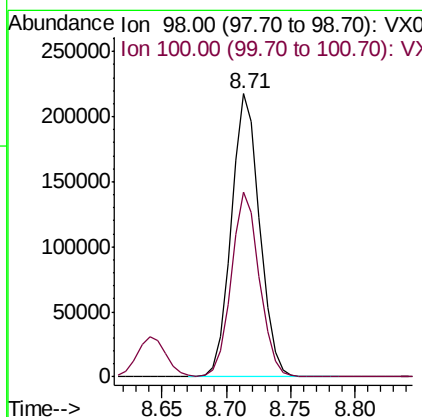
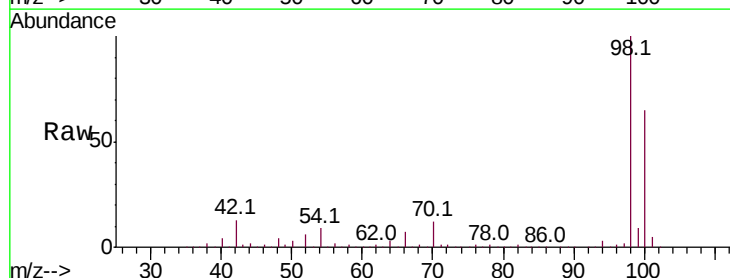
Manual Integrations
APPROVED

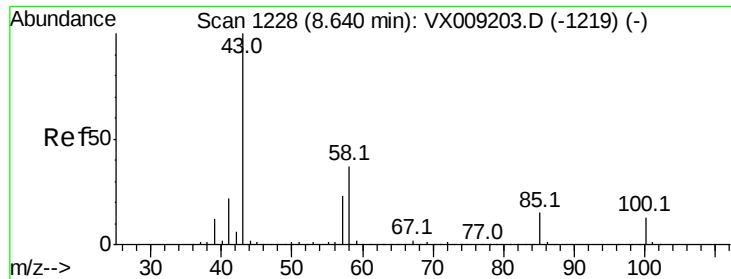
MMDadoda
5/11/2019 11:53:07 AM



#50
Toluene-d8
Concen: 51.737 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 112.721 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

Tot Ion: 43 Resp: 387775

Ion Ratio Lower Upper

43 100

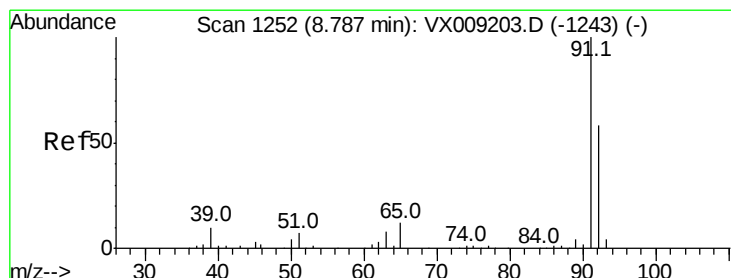
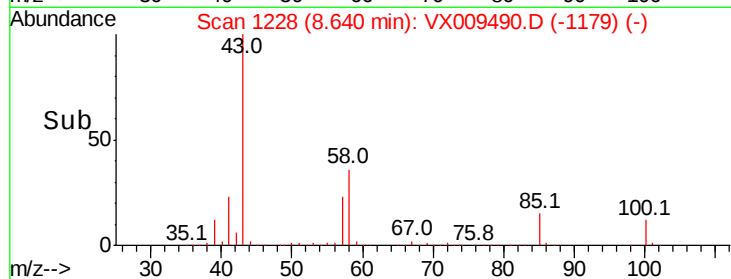
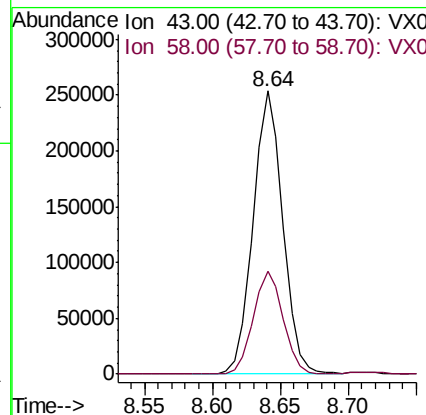
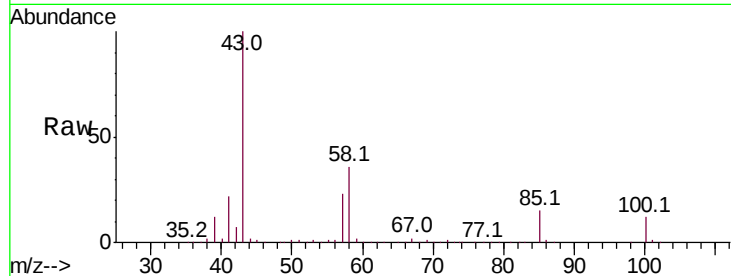
58 36.6 29.5 44.3

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:53:07 AM



#52

Toluene

Concen: 22.174 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009490.D

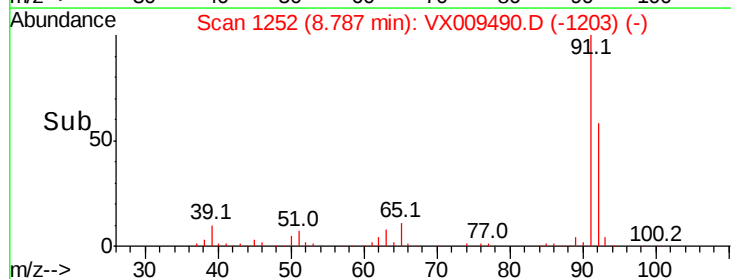
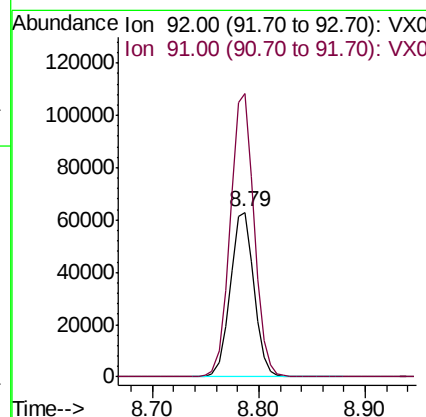
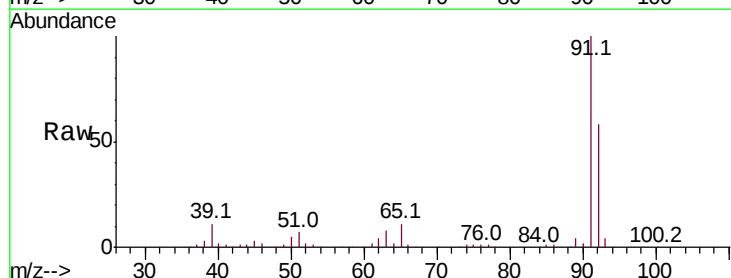
Acq: 10 May 2019 18:53

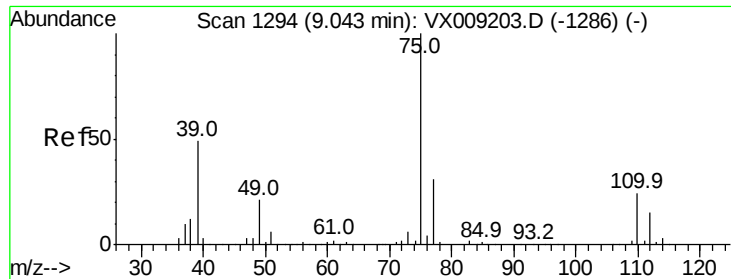
Tgt Ion: 92 Resp: 98513

Ion Ratio Lower Upper

92 100

91 172.8 138.8 208.2





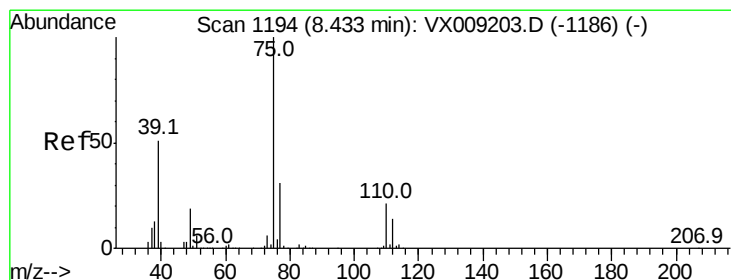
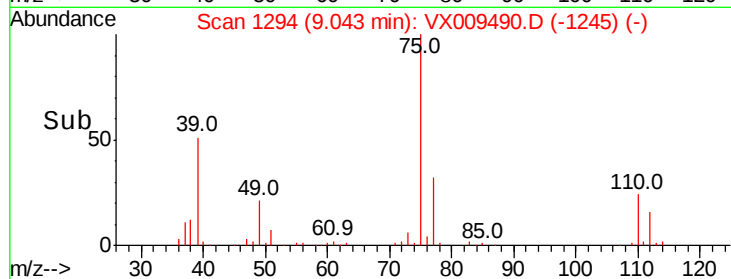
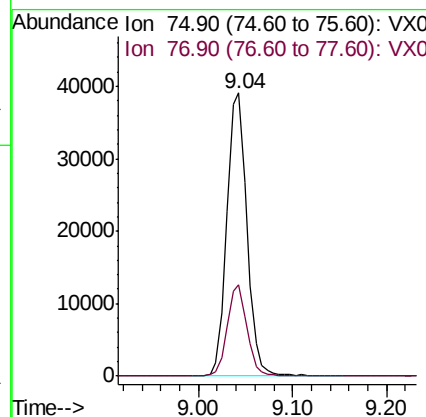
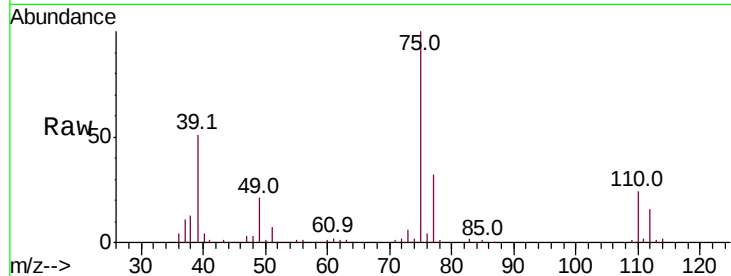
#53
t-1,3-Dichloropropene
Concen: 21.370 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion: 75 Resp: 57839
Ion Ratio Lower Upper
75 100
77 32.4 25.0 37.6

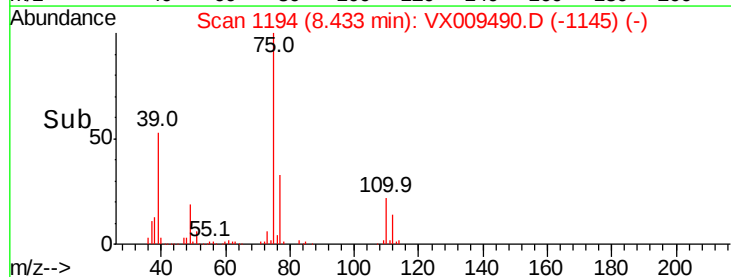
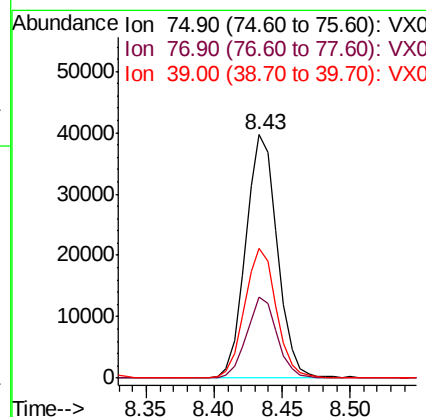
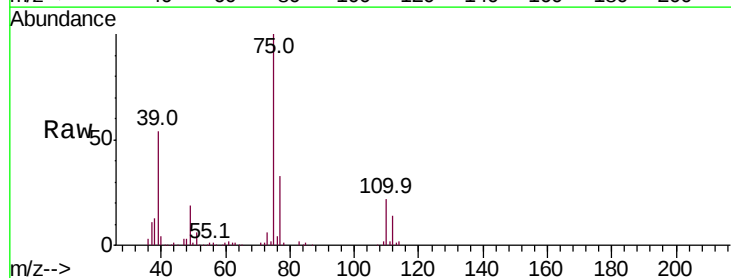
Manual Integrations
APPROVED

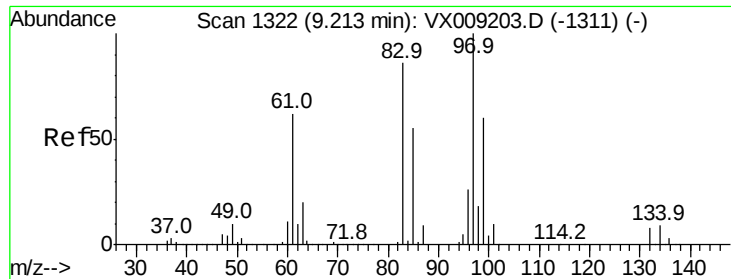
MMDadoda
5/11/2019 11:53:07 AM



#54
cis-1,3-Dichloropropene
Concen: 21.535 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion: 75 Resp: 64513
Ion Ratio Lower Upper
75 100
77 33.4 24.6 36.8
39 53.5 40.6 60.8





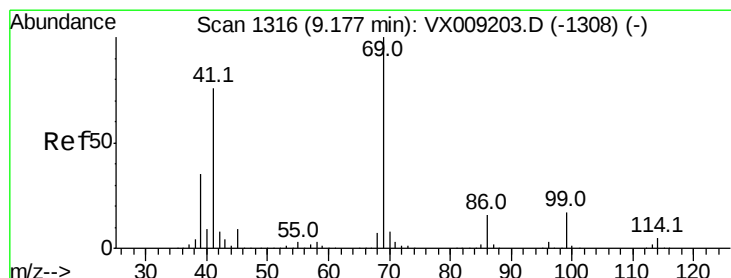
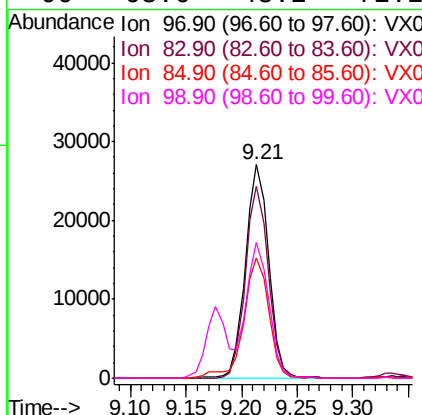
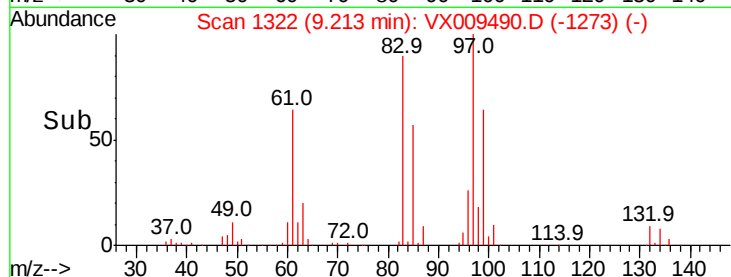
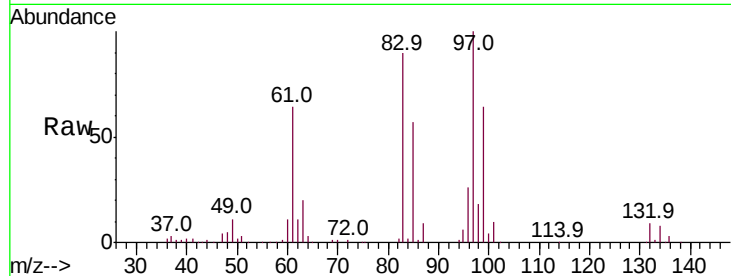
#55
 1,1,2-Trichloroethane
 Concen: 21.880 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
97	100	39659		
83	90.0	68.9	103.3	
85	56.5	43.8	65.6	
99	63.6	48.2	72.2	

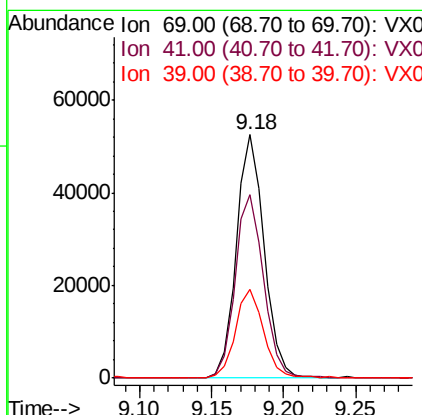
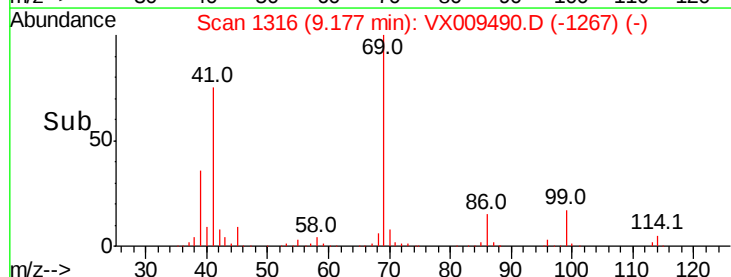
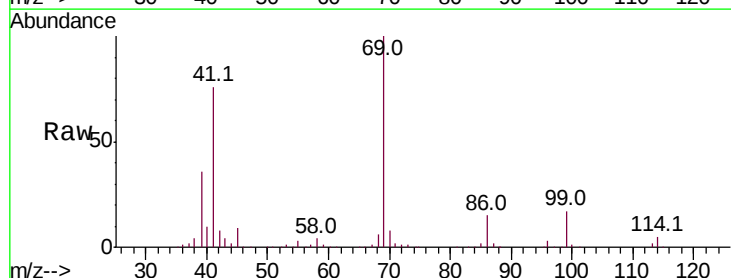
Manual Integrations
 APPROVED

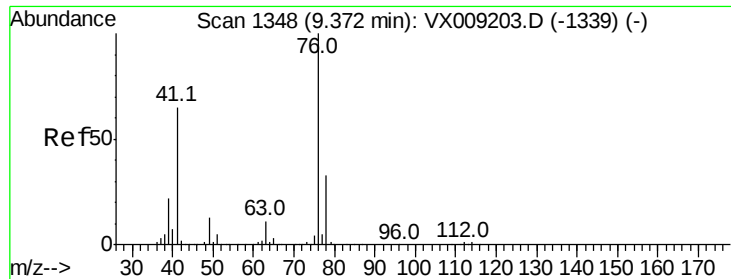
MMDadoda
 5/11/2019 11:53:07 AM



#56
 Ethyl methacrylate
 Concen: 21.832 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	70636		
41	77.5	60.6	90.8	
39	36.8	28.2	42.4	





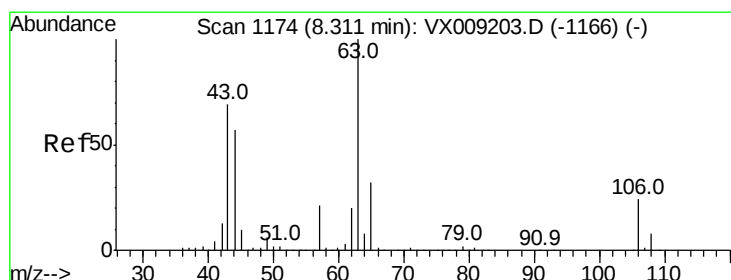
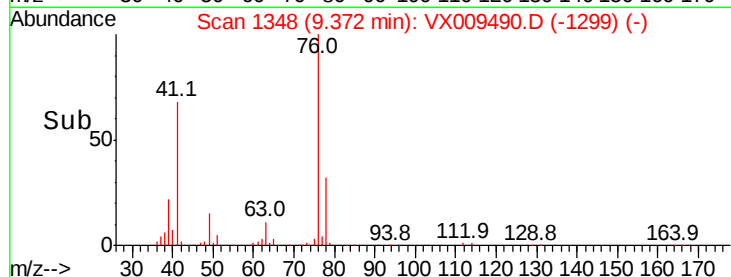
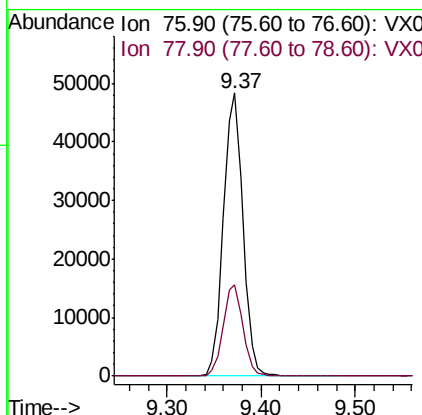
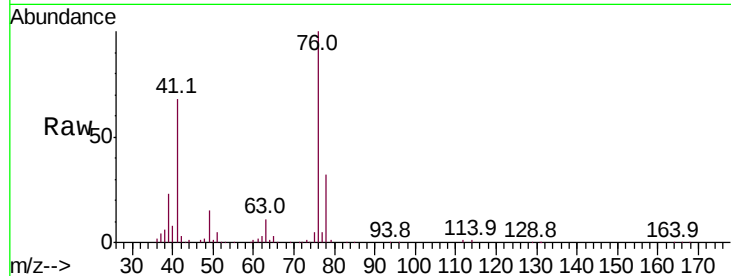
#57
 1,3-Dichloropropane
 Concen: 21.802 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

Tot Ion: 76 Resp: 69539
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.5 38.3

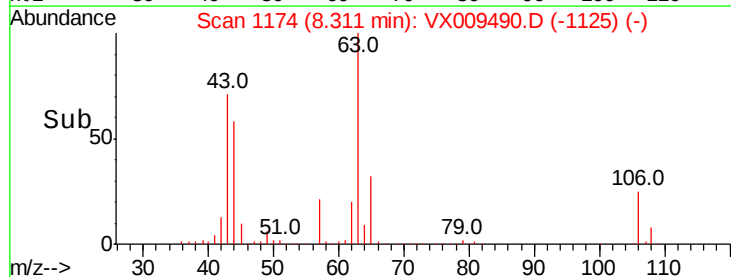
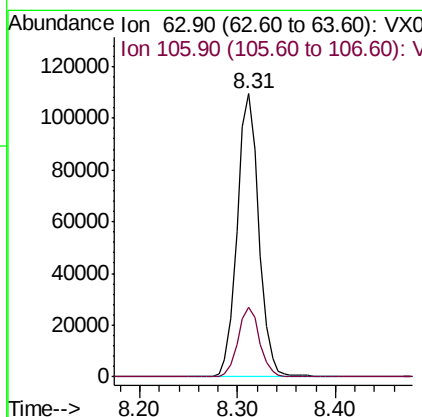
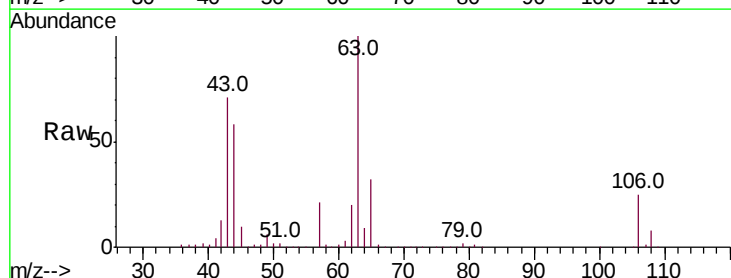
Manual Integrations
 APPROVED

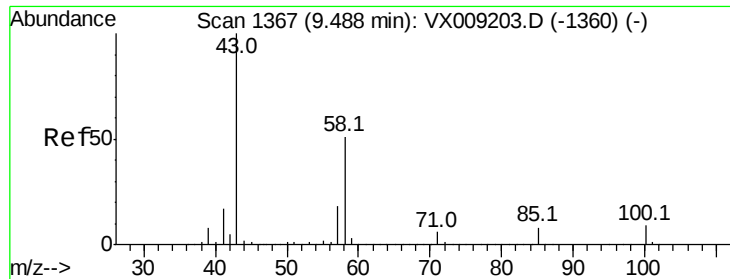
MMDadoda
 5/11/2019 11:53:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.145 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion: 63 Resp: 168457
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.7 29.5





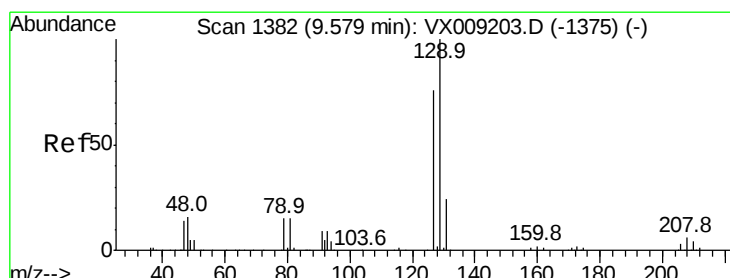
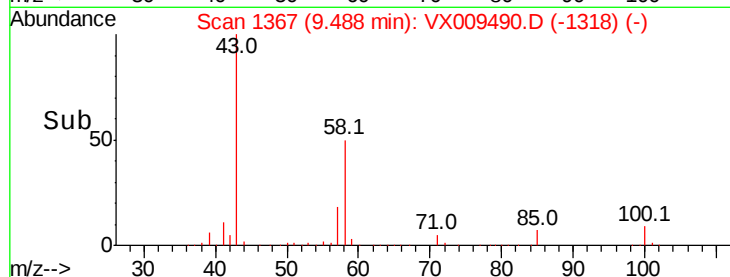
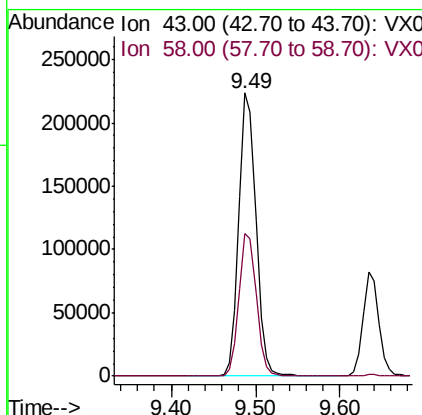
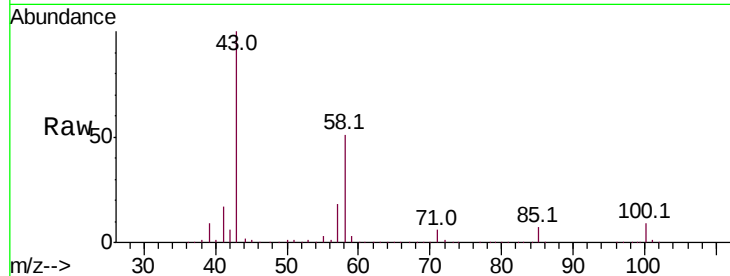
#59
2-Hexanone
Concen: 112.980 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion: 43 Resp: 305253
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.7

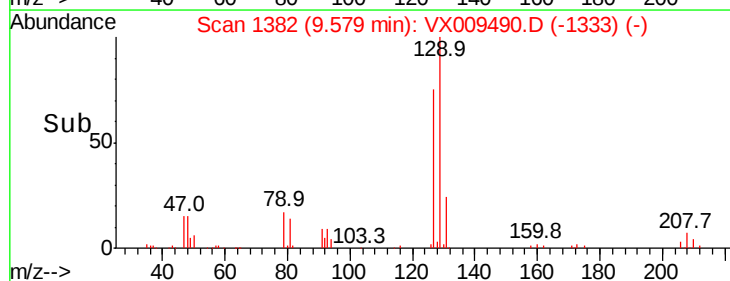
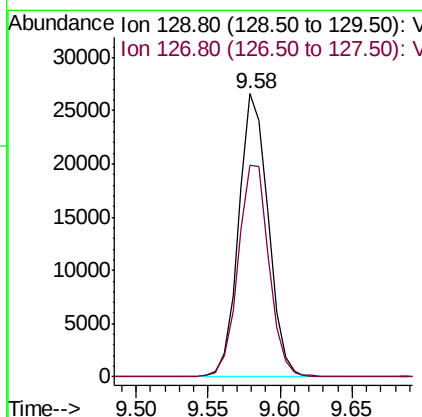
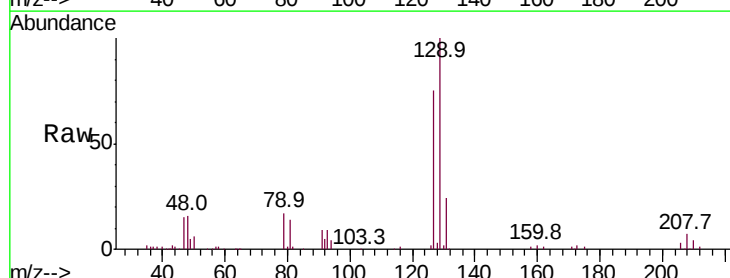
Manual Integrations
APPROVED

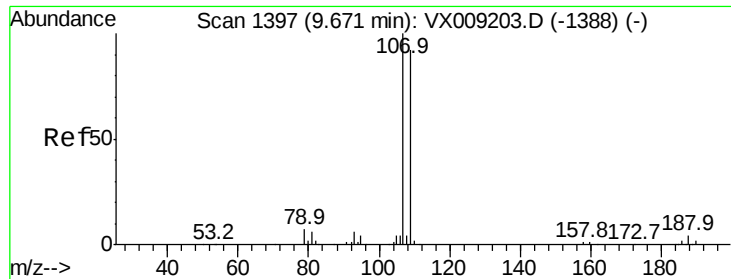
MMDadoda
5/11/2019 11:53:07 AM



#60
Dibromochloromethane
Concen: 21.323 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion:129 Resp: 37747
Ion Ratio Lower Upper
129 100
127 78.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 22.328 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

Tot Ion:107 Resp: 40852

Ion Ratio Lower Upper

107 100

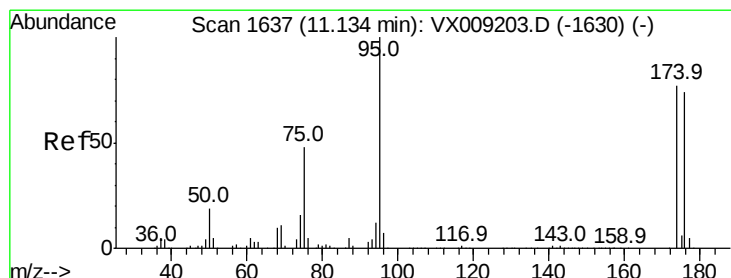
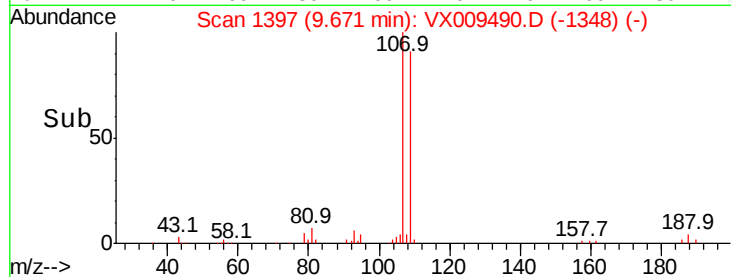
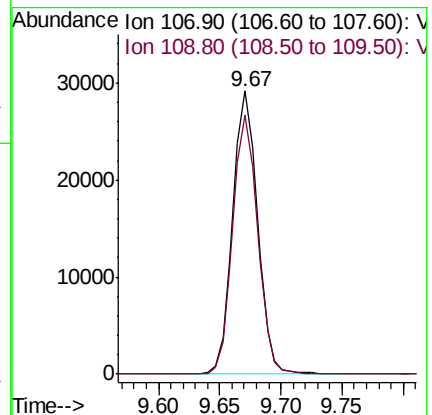
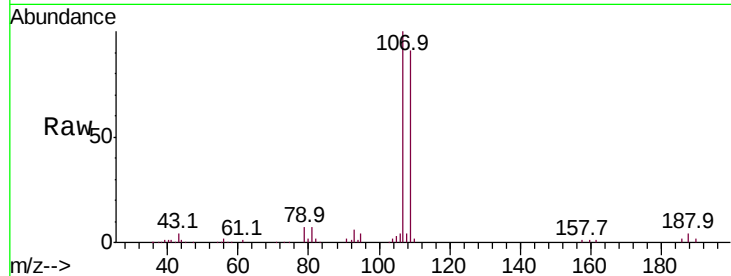
109 92.3 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:53:07 AM



#62

4-Bromofluorobenzene

Concen: 51.571 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

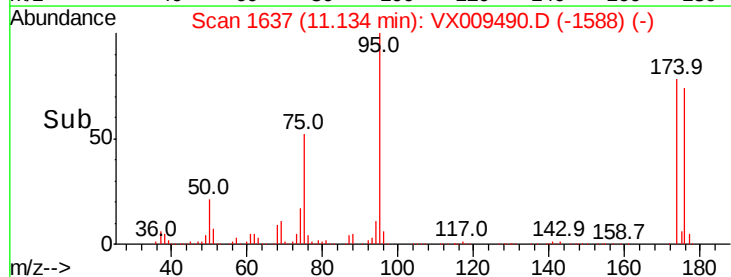
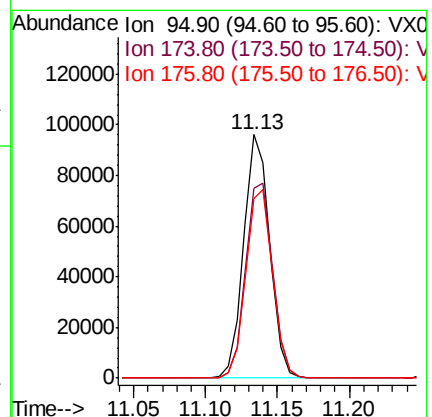
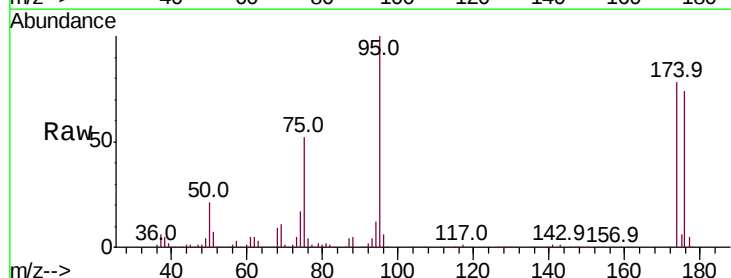
Tgt Ion: 95 Resp: 120859

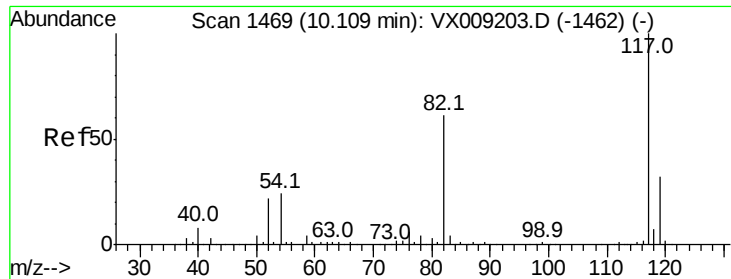
Ion Ratio Lower Upper

95 100

174 82.7 0.0 161.6

176 79.3 0.0 159.2





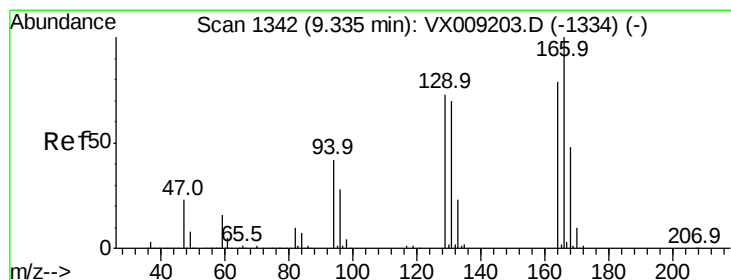
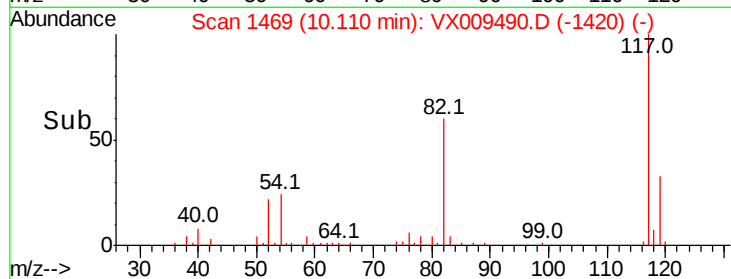
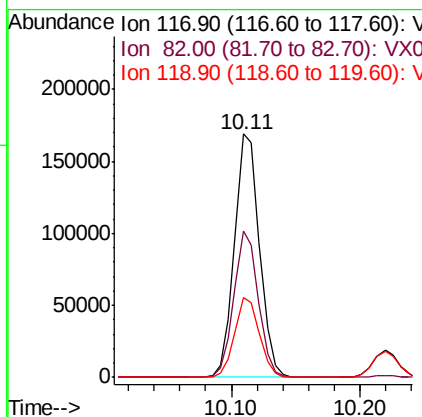
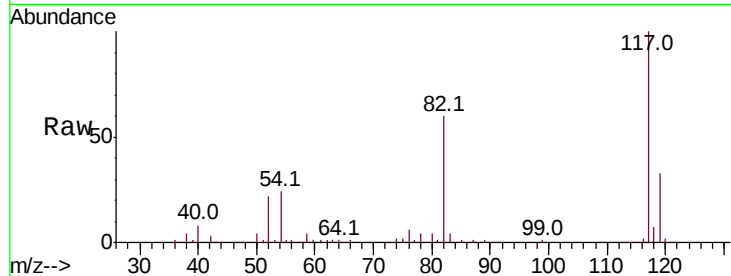
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	229922		
82	60.3	48.8	73.2	
119	32.7	25.8	38.6	

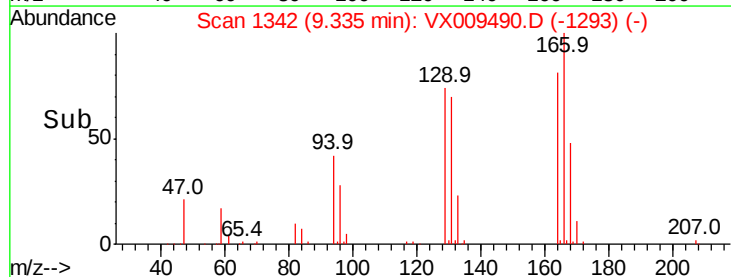
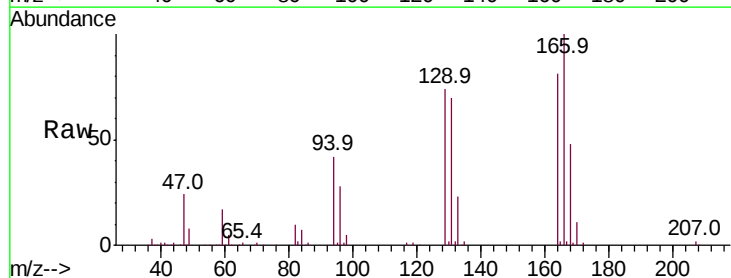
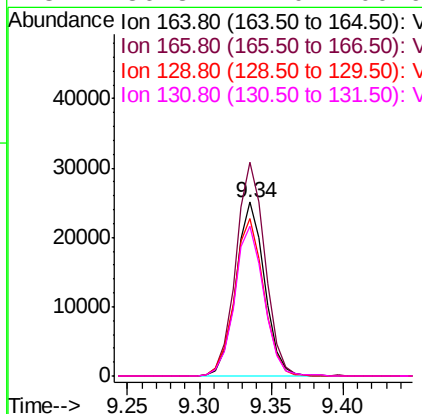
Manual Integrations
APPROVED

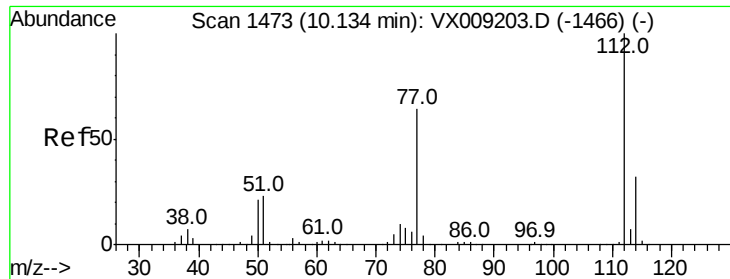
MMDadoda
5/11/2019 11:53:07 AM



#64
Tetrachloroethene
Concen: 21.970 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	34650		
166	122.8	101.2	151.8	
129	90.3	74.3	111.5	
131	86.3	71.0	106.6	





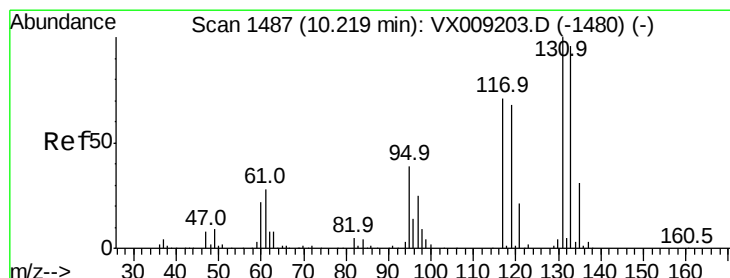
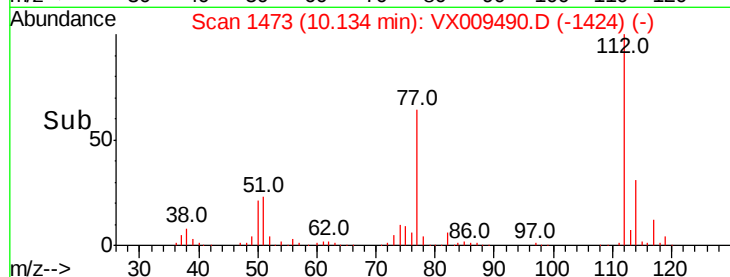
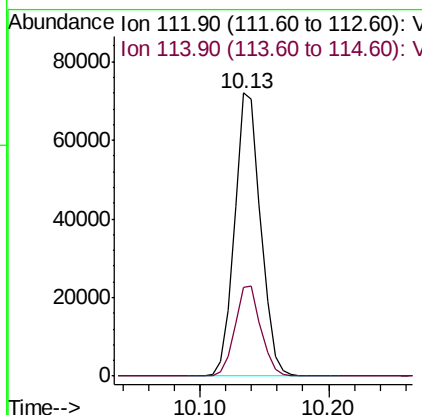
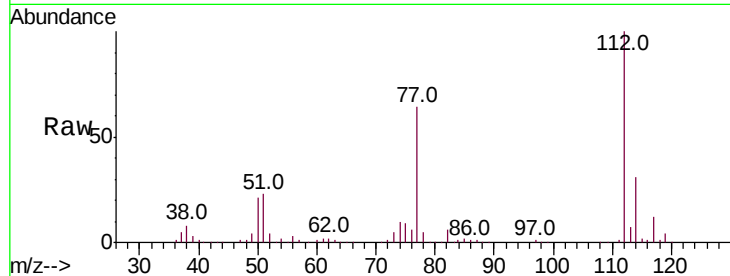
#65
Chlorobenzene
Concen: 22.038 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion:112 Resp: 101365
Ion Ratio Lower Upper
112 100
114 31.2 25.5 38.3

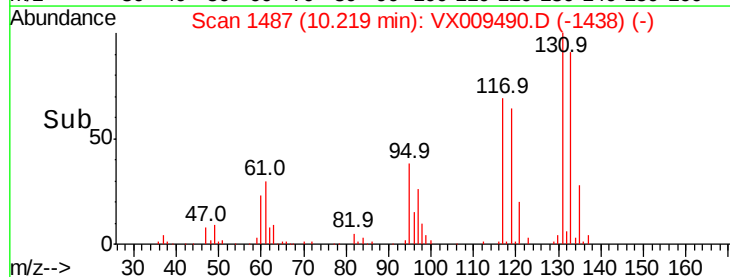
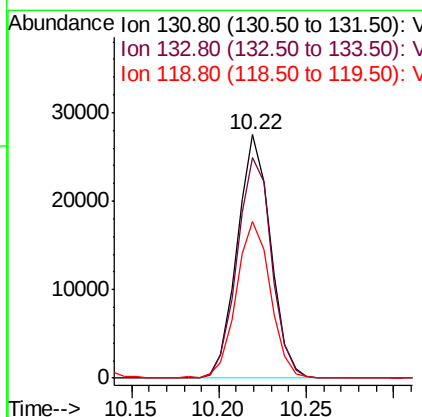
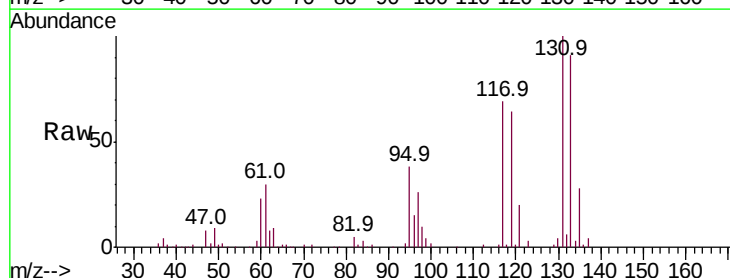
Manual Integrations
APPROVED

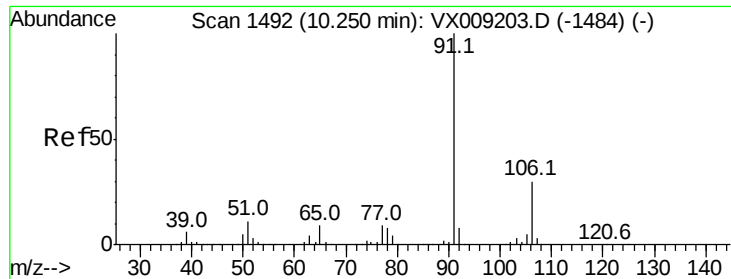
MMDadoda
5/11/2019 11:53:07 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.865 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion:131 Resp: 36460
Ion Ratio Lower Upper
131 100
133 93.8 47.7 143.1
119 66.4 33.5 100.4





#67

Ethyl Benzene

Concen: 21.984 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

Tot Ion: 91 Resp: 186093

Ion Ratio Lower Upper

91 100

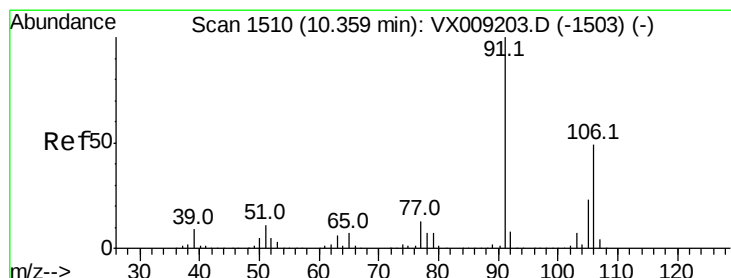
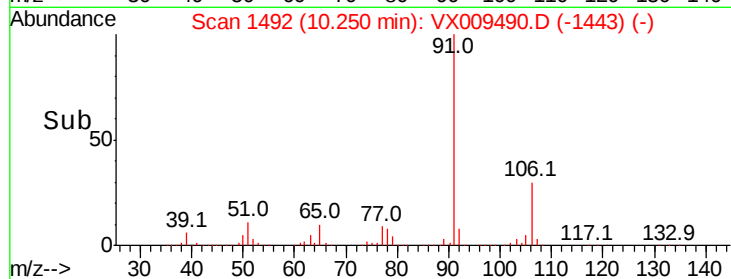
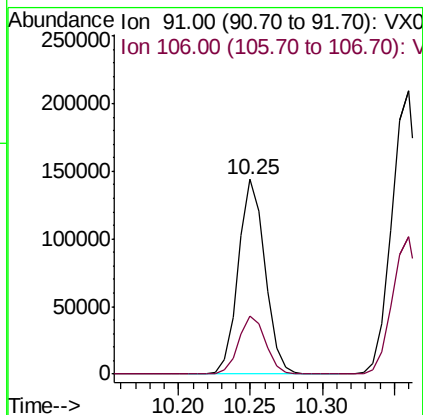
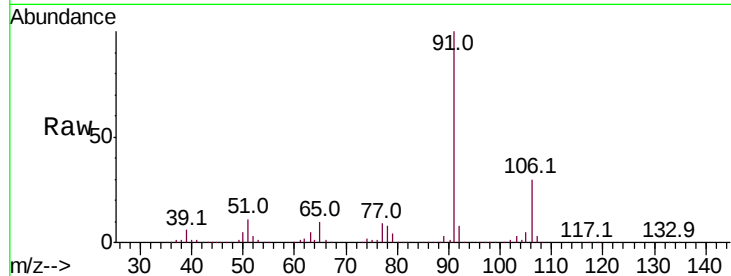
106 30.1 24.0 36.0

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:53:07 AM



#68

m/p-Xylenes

Concen: 43.779 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009490.D

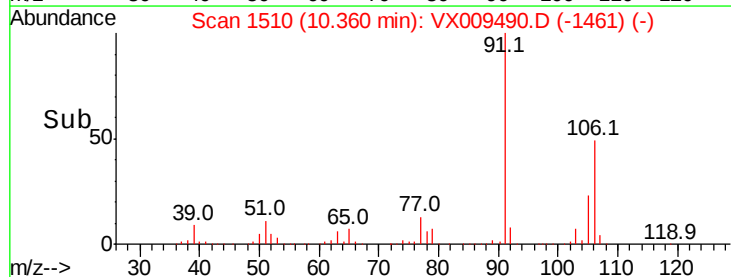
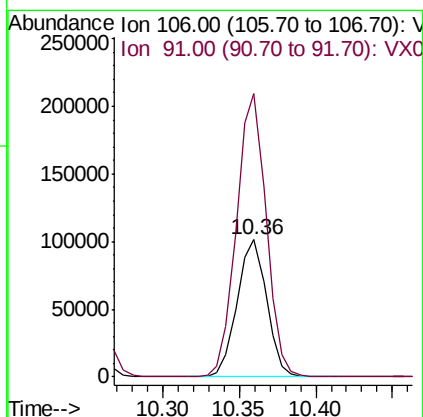
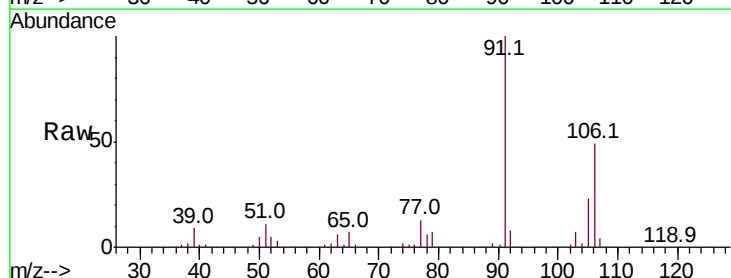
Acq: 10 May 2019 18:53

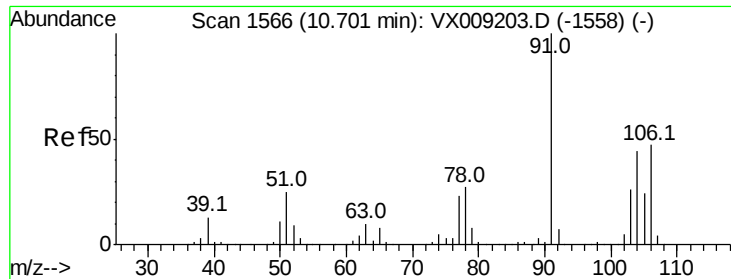
Tgt Ion: 106 Resp: 135423

Ion Ratio Lower Upper

106 100

91 208.4 164.0 246.0





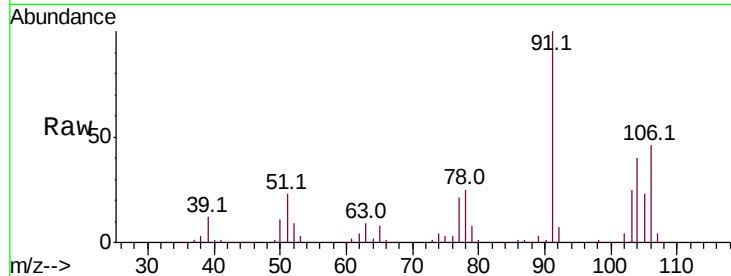
#69
o-Xylene
Concen: 21.917 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

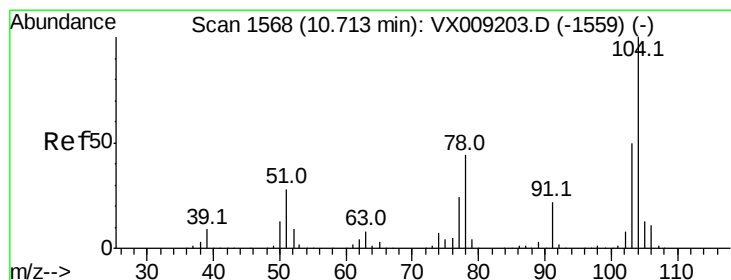
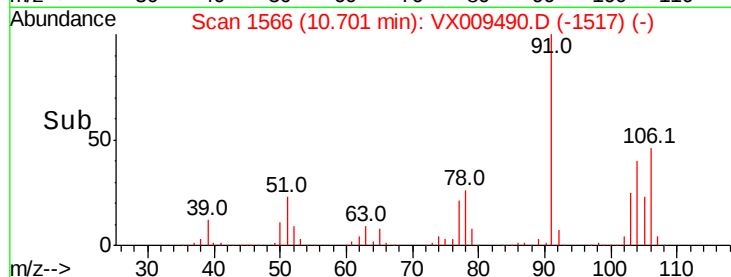
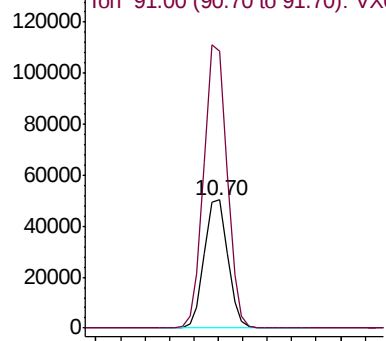
Tot Ion:106 Resp: 66890
Ion Ratio Lower Upper
106 100
91 218.1 109.5 328.4

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:53:07 AM

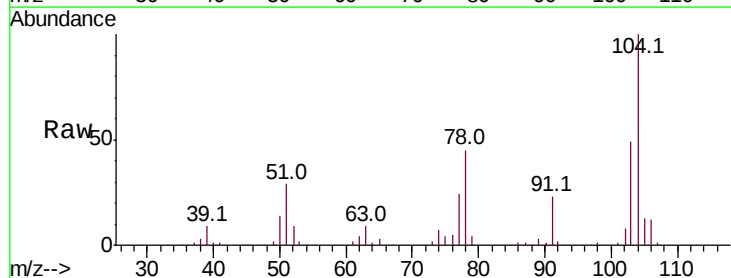


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

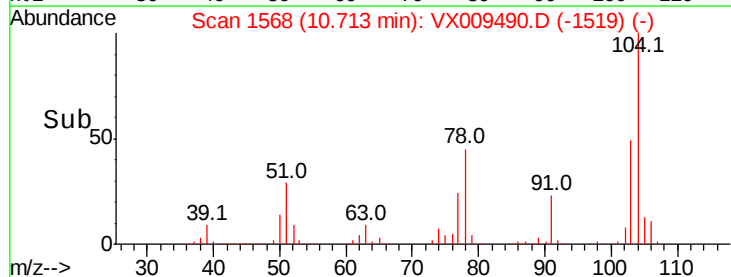
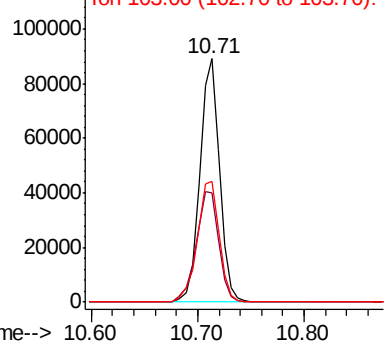


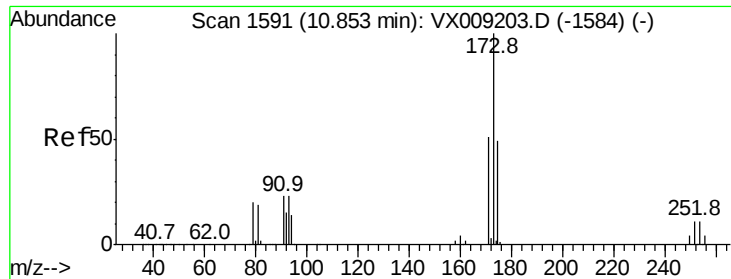
#70
Styrene
Concen: 21.754 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion:104 Resp: 115397
Ion Ratio Lower Upper
104 100
78 52.2 41.0 61.4
103 55.4 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.310 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

Tot Ion:173 Resp: 28877

Ion Ratio Lower Upper

173 100

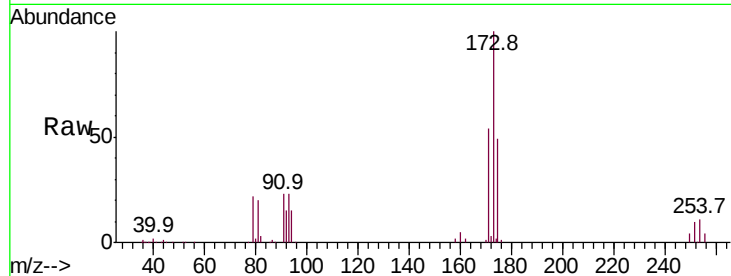
175 48.4 24.5 73.5

254 0.0 0.1 0.1#

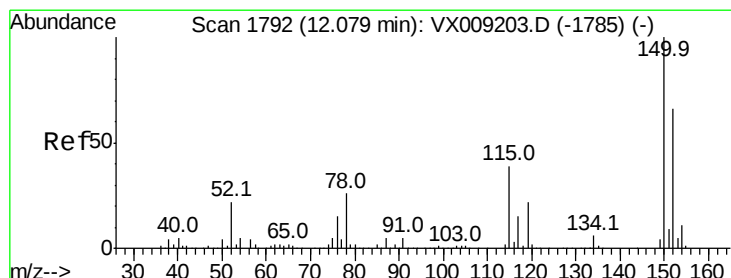
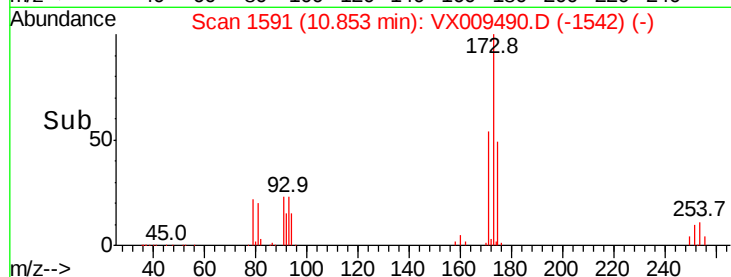
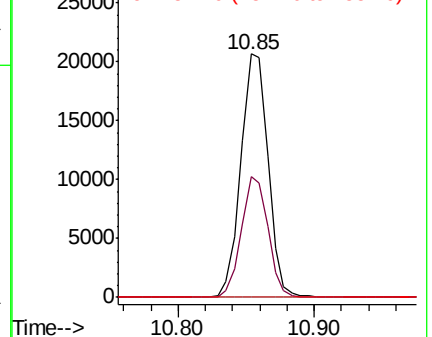
Manual Integrations
APPROVED

MMDadoda

5/11/2019 11:53:07 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

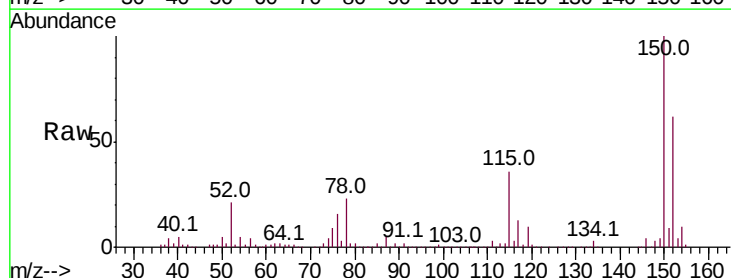
Tgt Ion:152 Resp: 111155

Ion Ratio Lower Upper

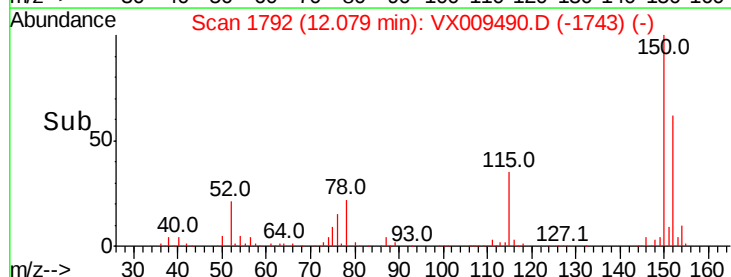
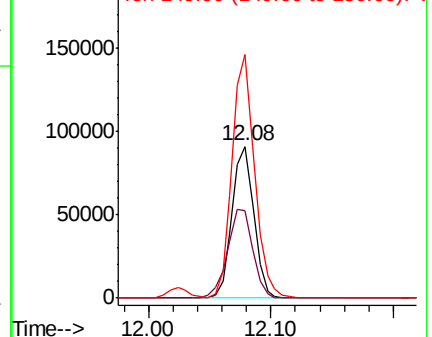
152 100

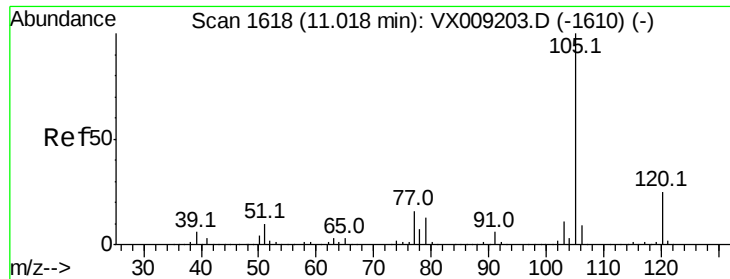
115 68.9 41.2 123.6

150 165.4 0.0 346.4



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





#73

Isopropylbenzene

Concen: 21.957 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

Tot Ion:105 Resp: 177479

Ion Ratio Lower Upper

105 100

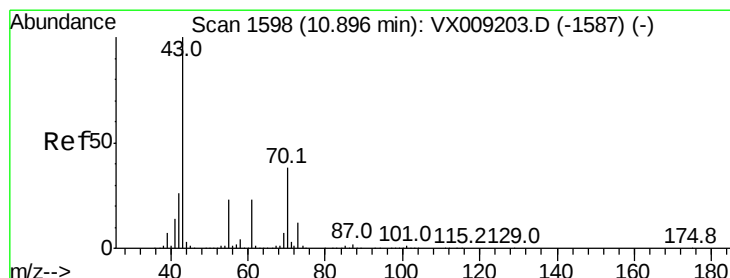
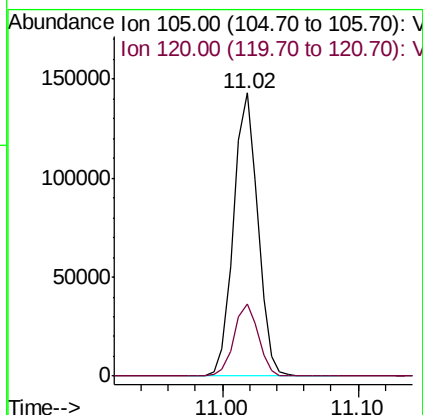
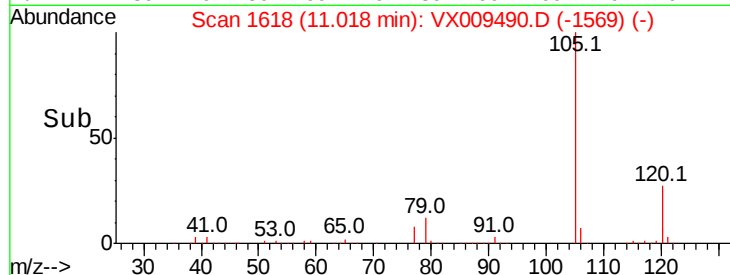
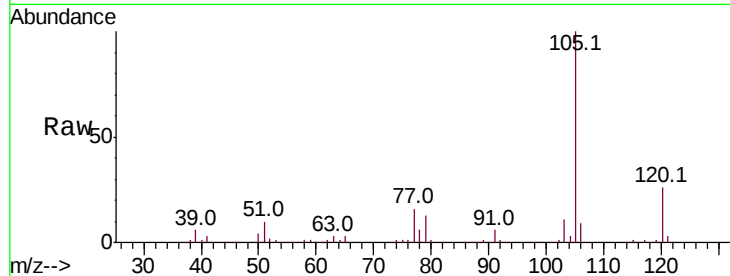
120 25.8 12.8 38.3

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:53:07 AM



#74

N-ethyl acetate

Concen: 22.020 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Tgt Ion: 43 Resp: 103770

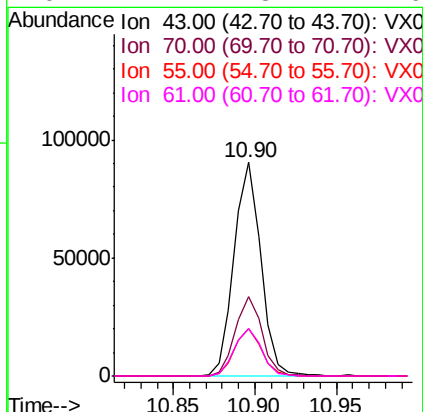
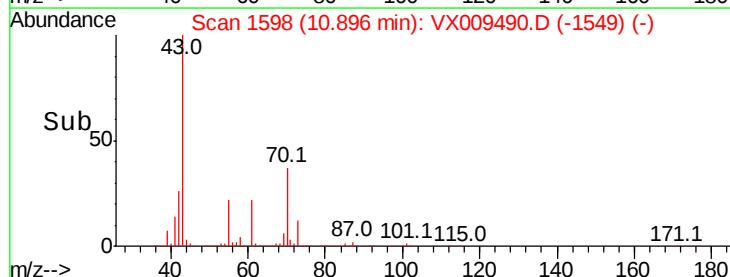
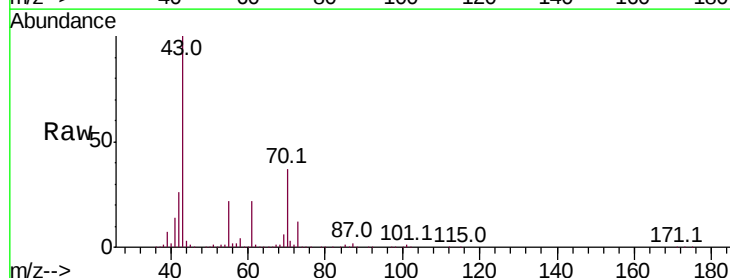
Ion Ratio Lower Upper

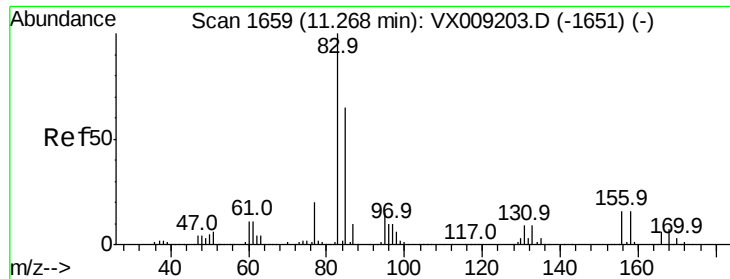
43 100

70 37.3 30.0 45.0

55 22.7 17.9 26.9

61 22.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.949 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

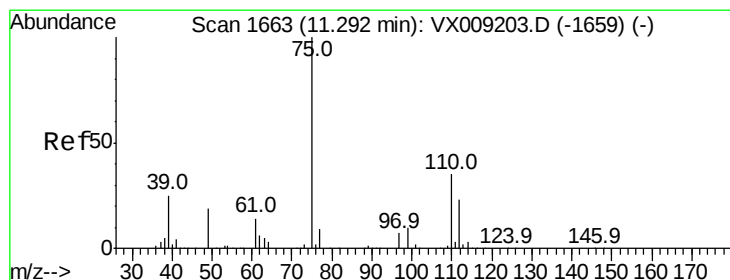
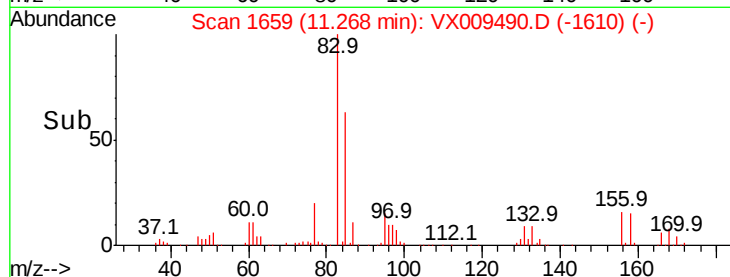
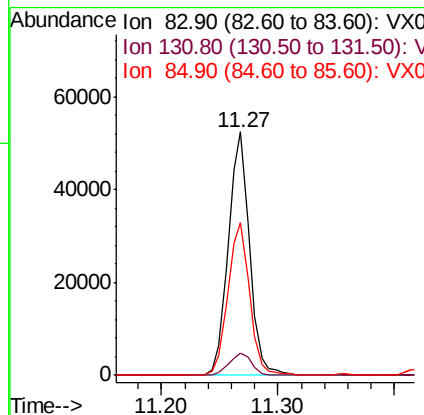
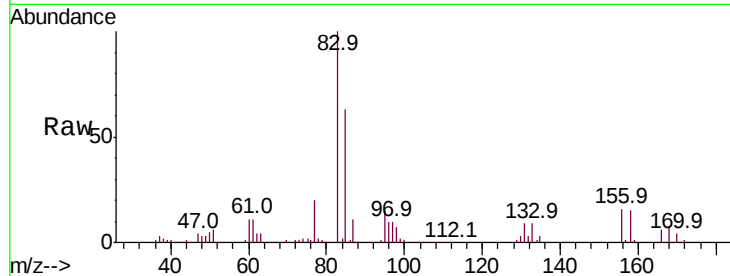
ClientSampled :

VX0510WBSD02

Tot Ion:	83	Resp:	66138
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.6	13.8
85	64.3	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:53:07 AM



#76

1,2,3-Trichloropropane

Concen: 21.939 ug/l m

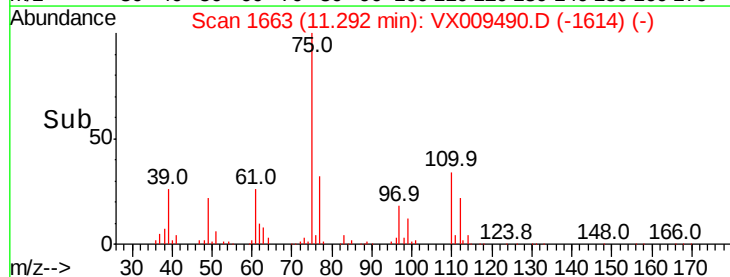
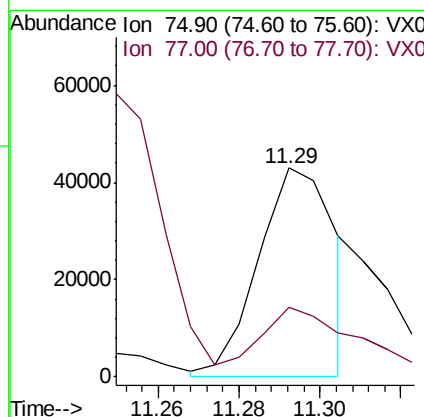
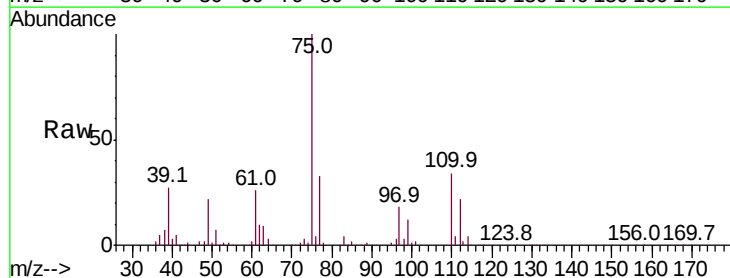
RT: 11.29 min Scan# 1663

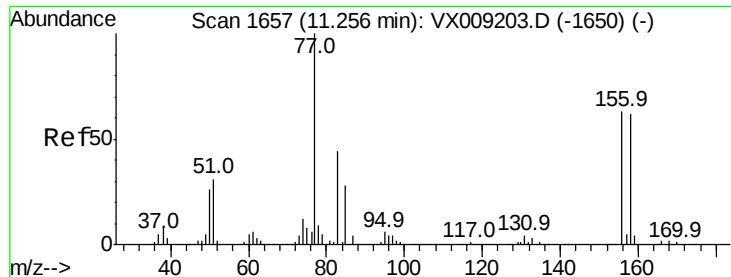
Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Tgt Ion:	75	Resp:	56568
Ion Ratio	Lower	Upper	
75	100		
77	43.0	22.1	66.1





#77

Bromobenzene

Concen: 21.960 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

Tot Ion:156 Resp: 44058

Ion Ratio Lower Upper

156 100

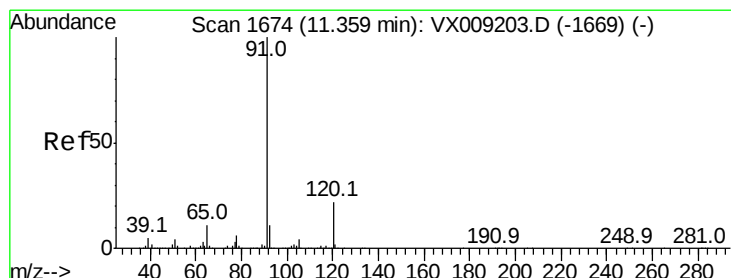
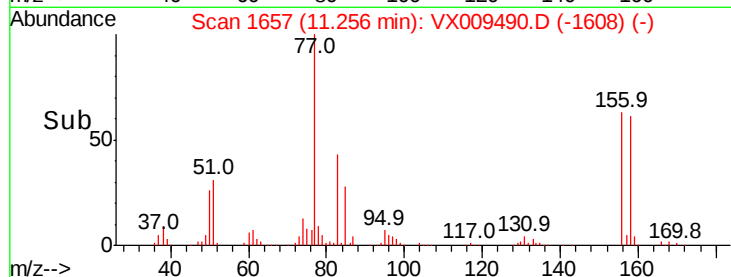
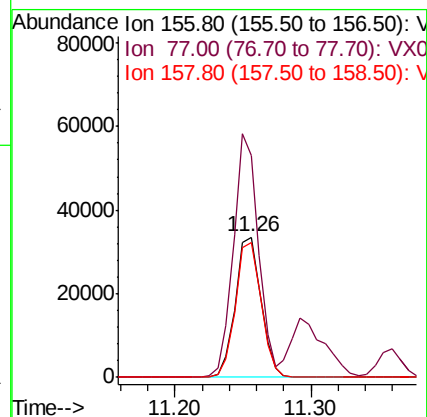
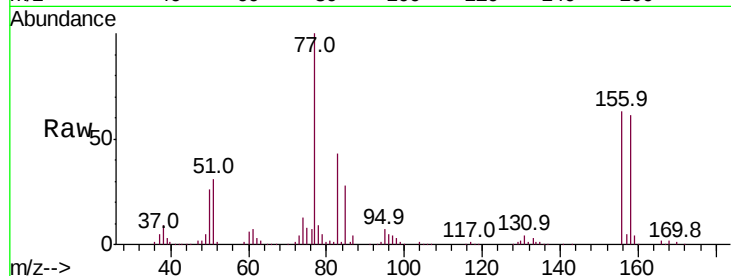
77 168.0 84.8 254.3

158 96.9 49.1 147.3

Manual Integrations
APPROVED

MMDadoda

5/11/2019 11:53:07 AM



#78

n-propylbenzene

Concen: 21.630 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009490.D

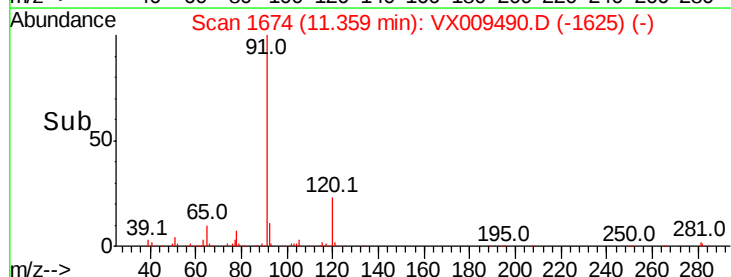
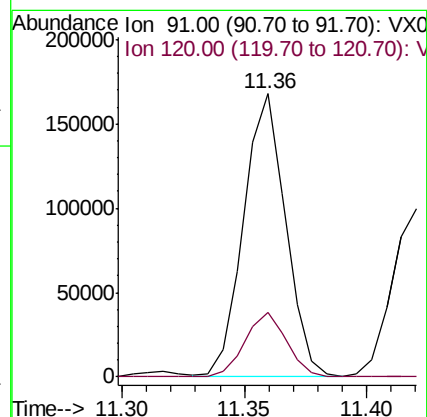
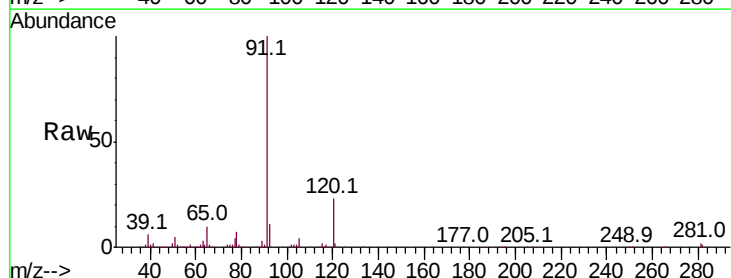
Acq: 10 May 2019 18:53

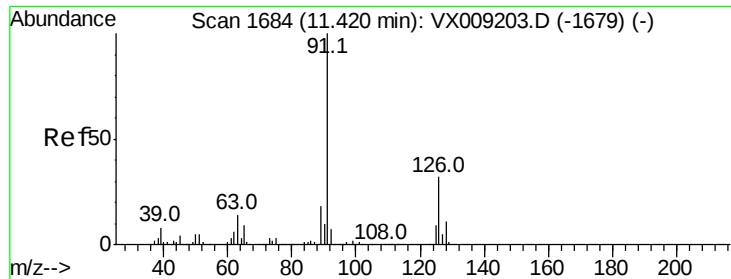
Tgt Ion: 91 Resp: 199671

Ion Ratio Lower Upper

91 100

120 22.8 11.0 33.0





#79

2-Chlorotoluene

Concen: 21.524 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

Tot Ion: 91 Resp: 122582

Ion Ratio Lower Upper

91 100

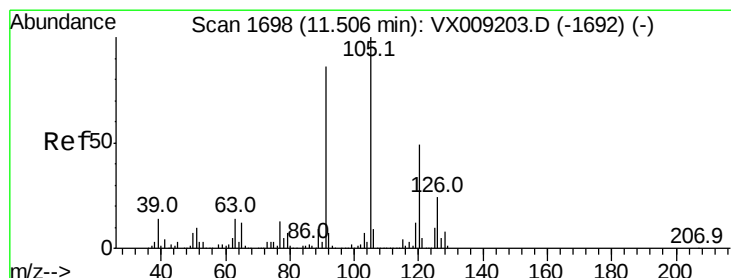
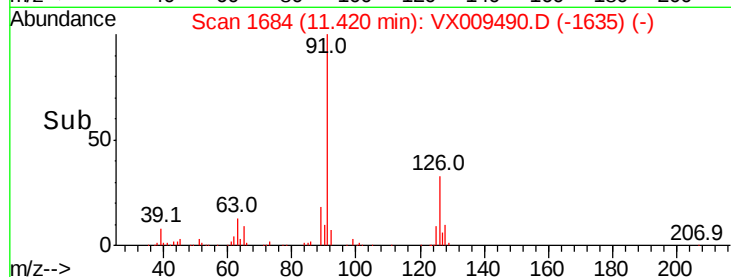
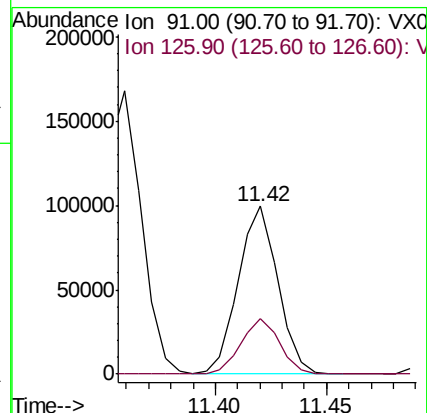
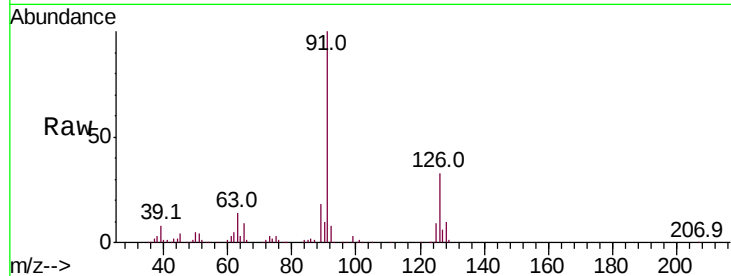
126 32.8 16.3 48.9

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:53:07 AM



#80

1,3,5-Trimethylbenzene

Concen: 22.066 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009490.D

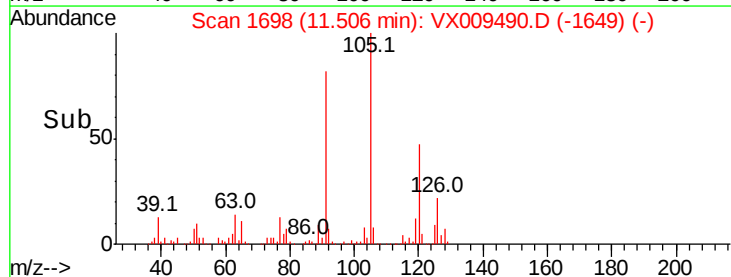
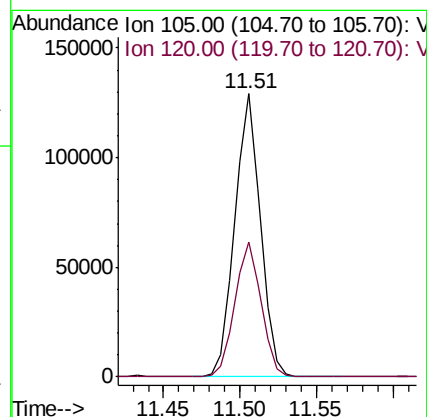
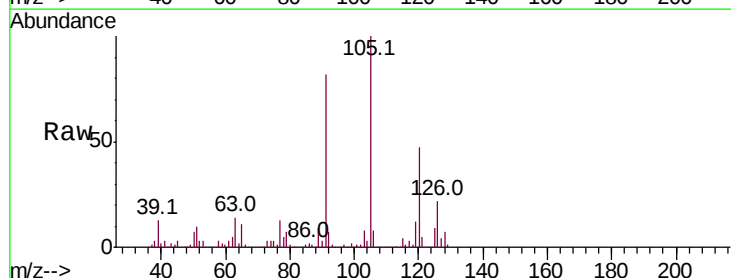
Acq: 10 May 2019 18:53

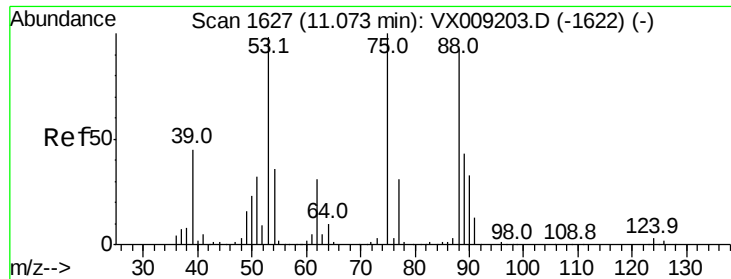
Tgt Ion:105 Resp: 150184

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.9





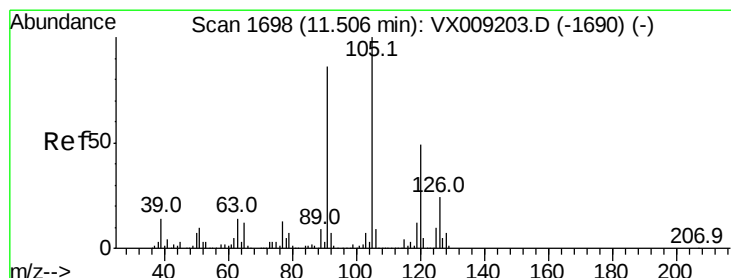
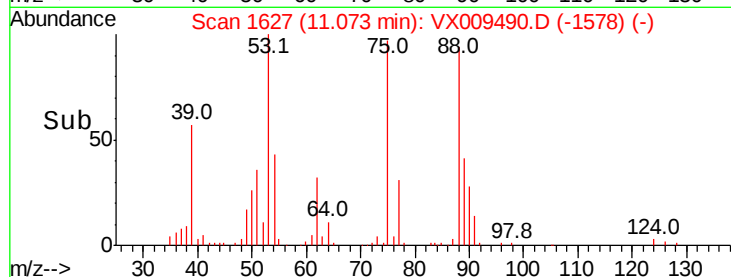
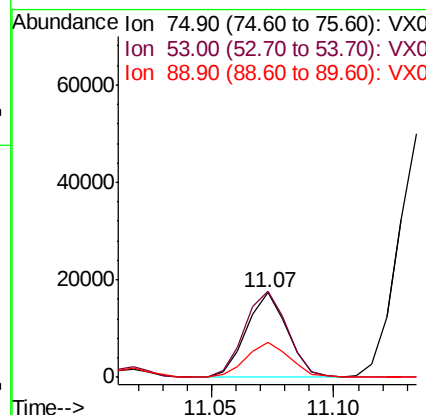
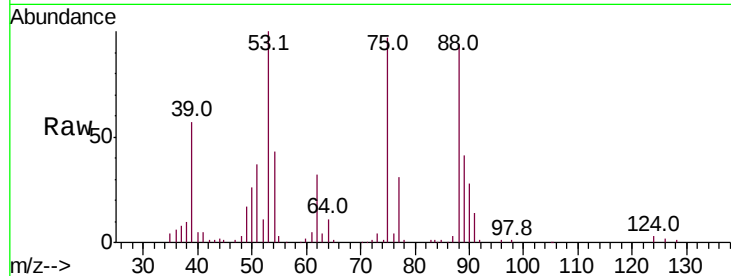
#81
trans-1,4-Dichloro-2-butene
Concen: 20.339 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion: 75 Resp: 20496
Ion Ratio Lower Upper
75 100
53 105.3 79.0 118.6
89 44.0 34.7 52.1

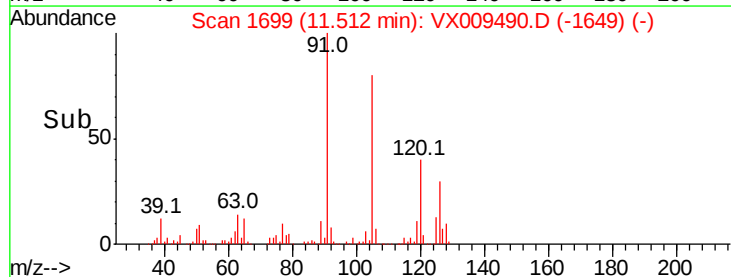
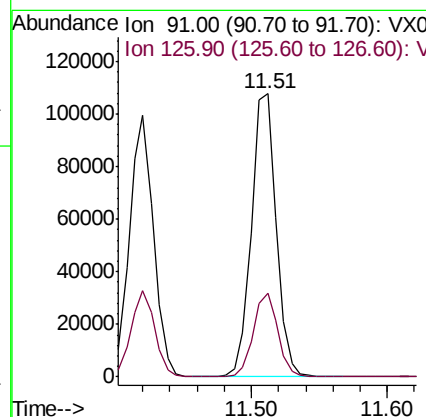
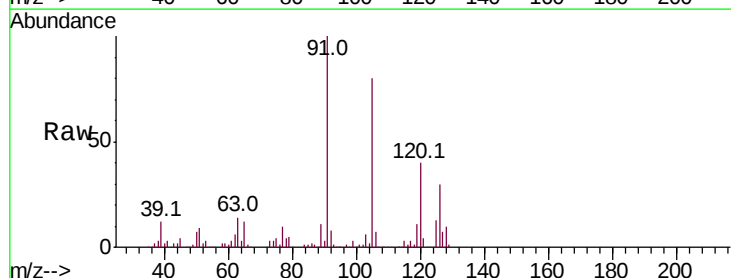
Manual Integrations
APPROVED

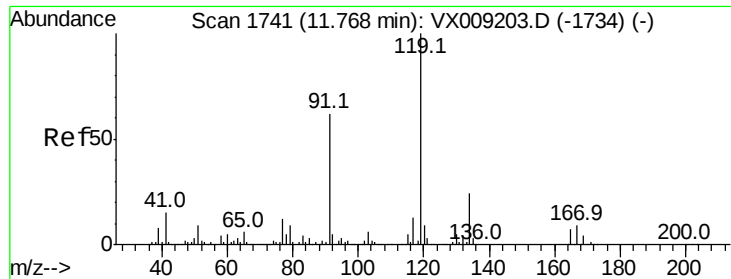
MMDadoda
5/11/2019 11:53:07 AM



#82
4-Chlorotoluene
Concen: 21.373 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion: 91 Resp: 137512
Ion Ratio Lower Upper
91 100
126 29.3 14.5 43.6





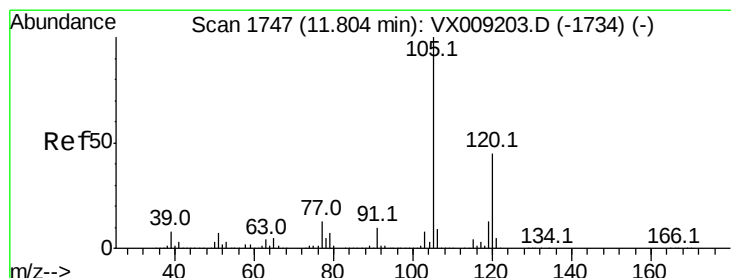
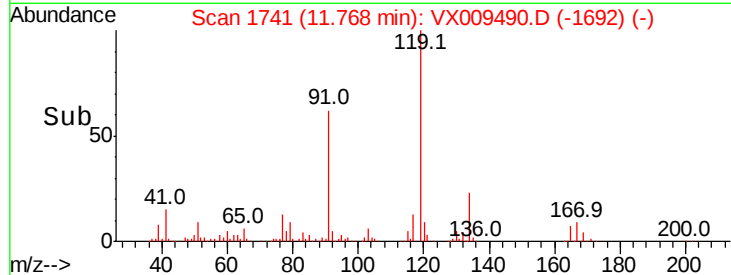
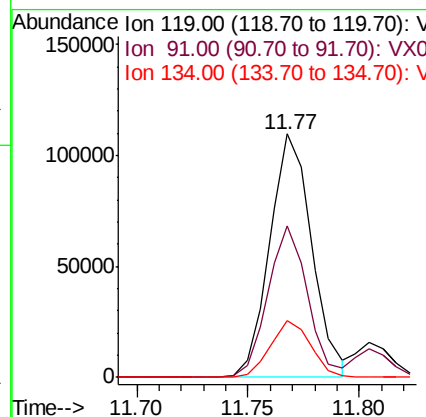
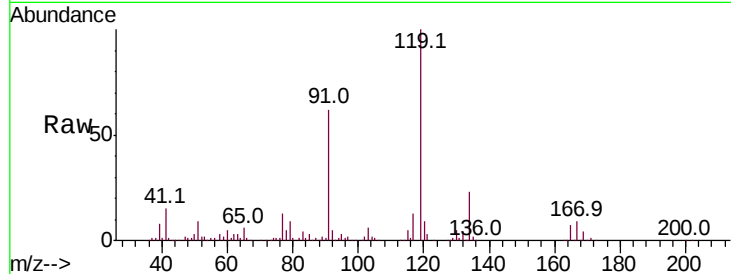
#83
tert-Butylbenzene
Concen: 21.722 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	143817		
91	58.9	29.5	88.5	
134	22.6	11.4	34.1	

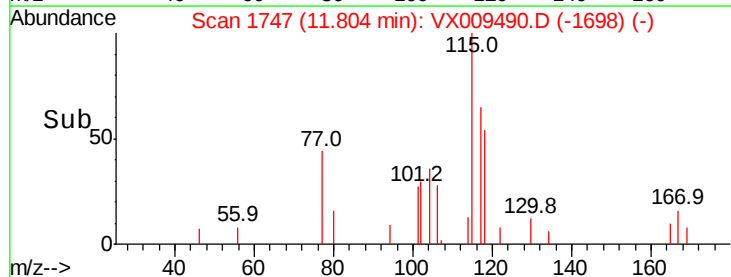
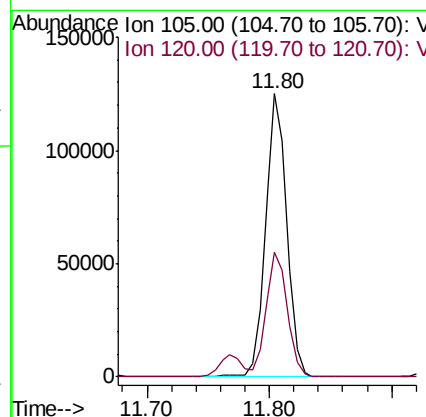
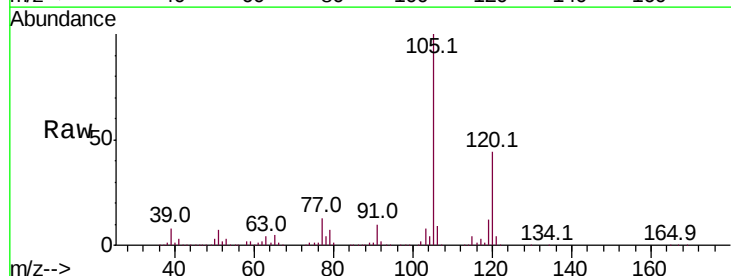
Manual Integrations
APPROVED

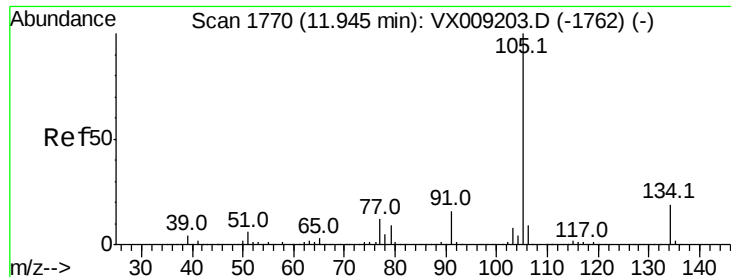
MMDadoda
5/11/2019 11:53:07 AM



#84
1,2,4-Trimethylbenzene
Concen: 22.169 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	151449		
120	43.7	22.0	66.0	





#85

sec-Butylbenzene

Concen: 21.657 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBSD02

Tot Ion:105 Resp: 169995

Ion Ratio Lower Upper

105 100

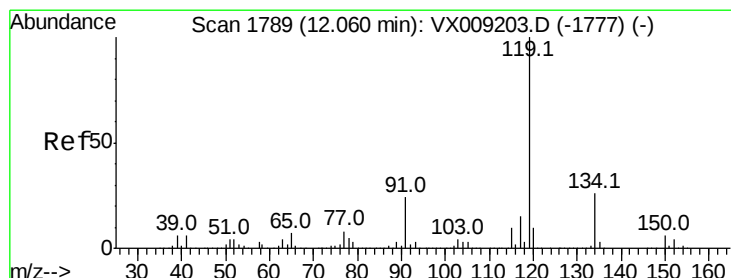
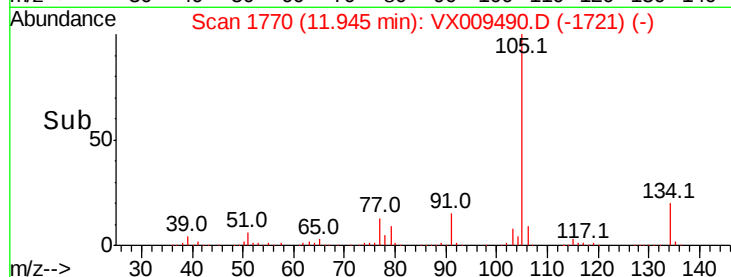
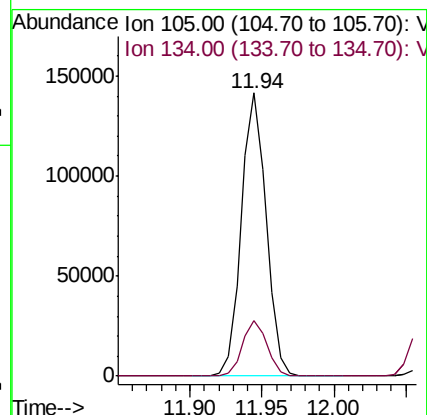
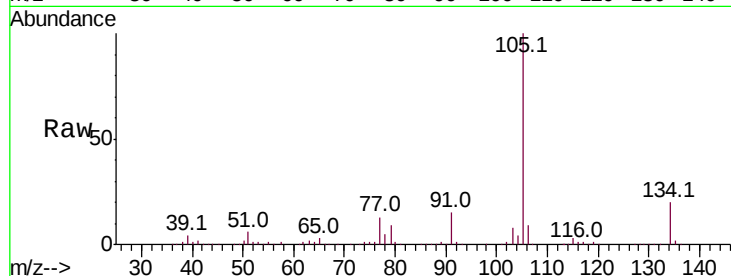
134 19.4 9.7 28.9

Manual Integrations

APPROVED

MMDadoda

5/11/2019 11:53:07 AM



#86

p-Isopropyltoluene

Concen: 21.777 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

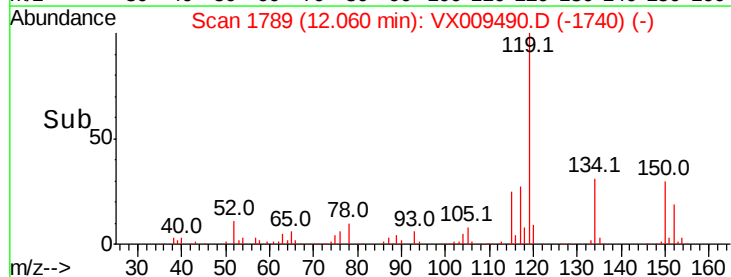
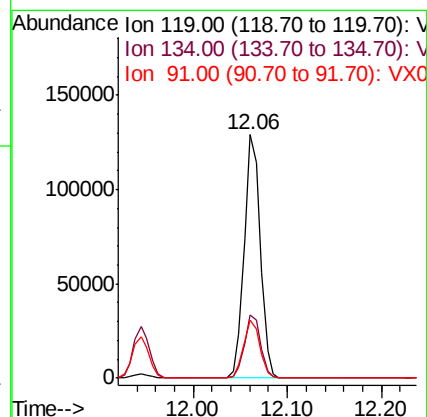
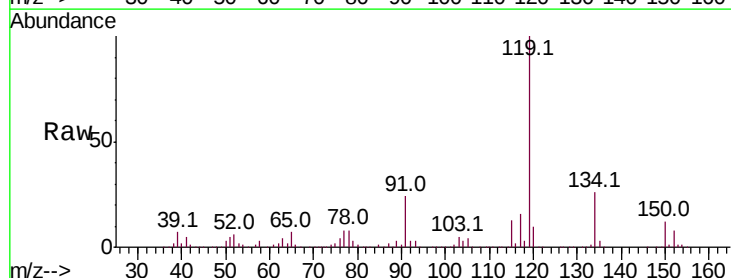
Tgt Ion:119 Resp: 153669

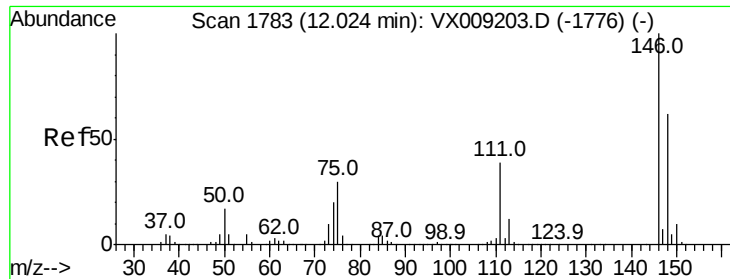
Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

91 24.4 11.8 35.4





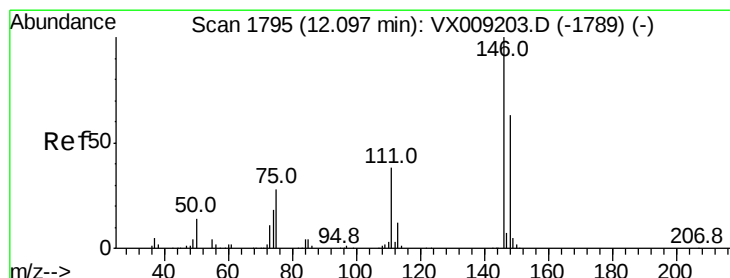
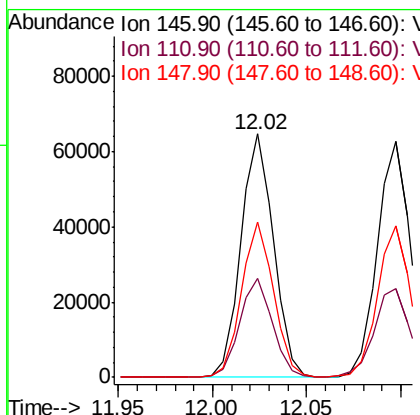
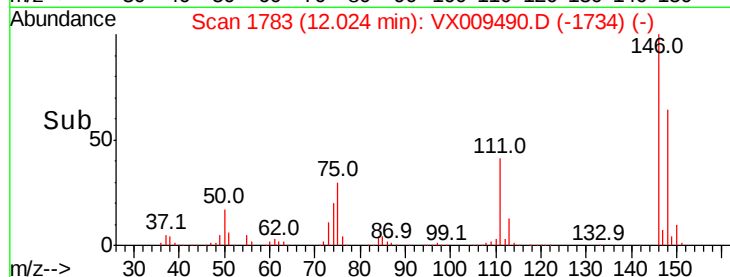
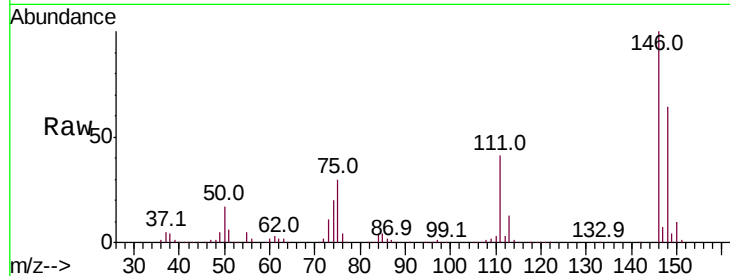
#87
 1,3-Dichlorobenzene
 Concen: 21.694 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.0	59.9
148	63.0	31.8	95.3

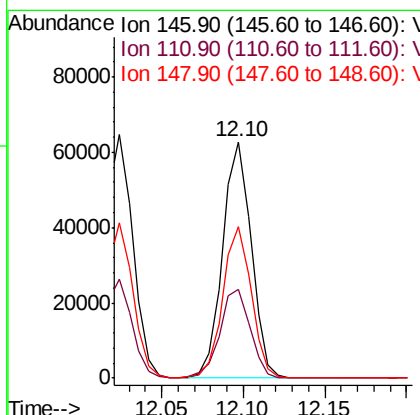
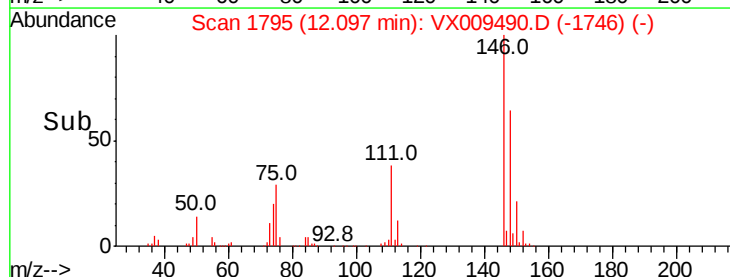
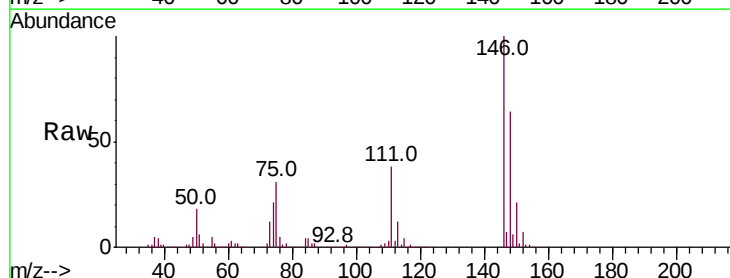
Manual Integrations
 APPROVED

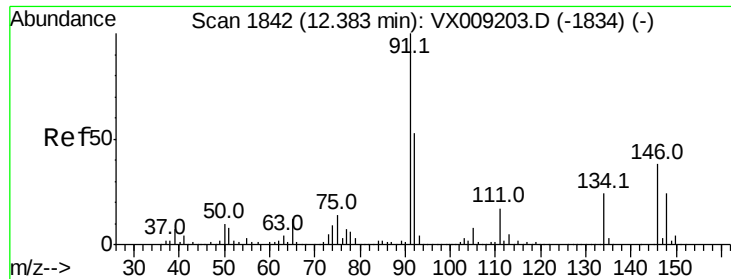
MMDadoda
 5/11/2019 11:53:07 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.312 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.6	58.8
148	63.7	31.8	95.3





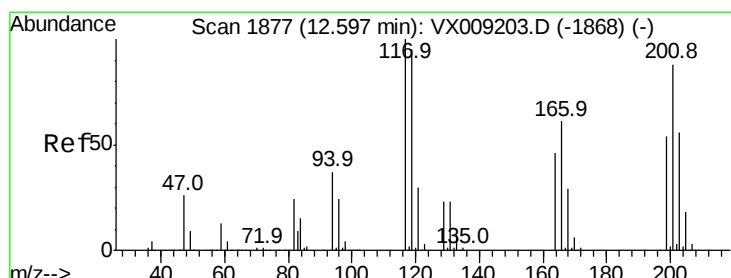
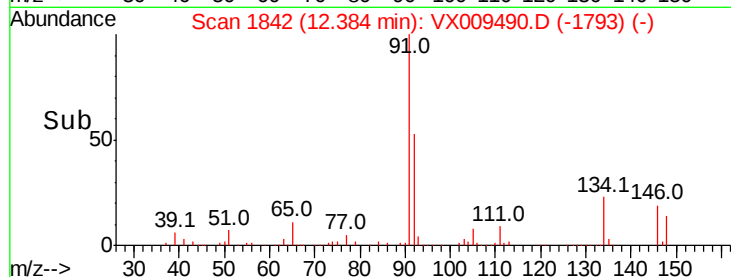
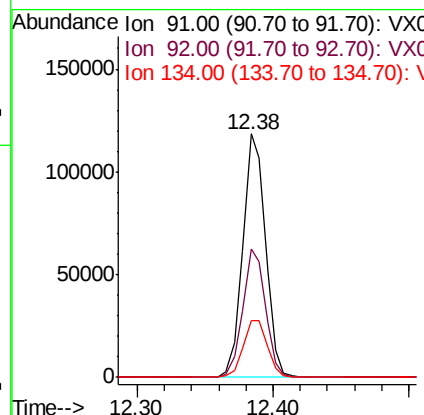
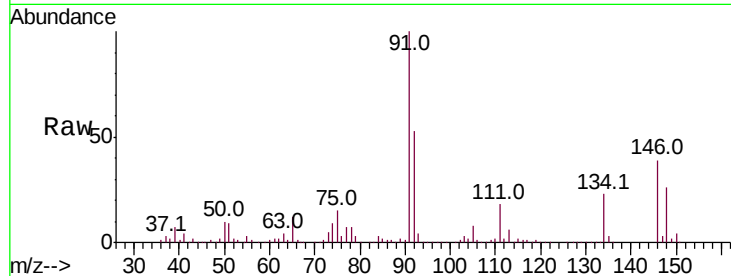
#89
n-Butylbenzene
Concen: 21.501 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.5	79.5
134	24.9	12.4	37.2

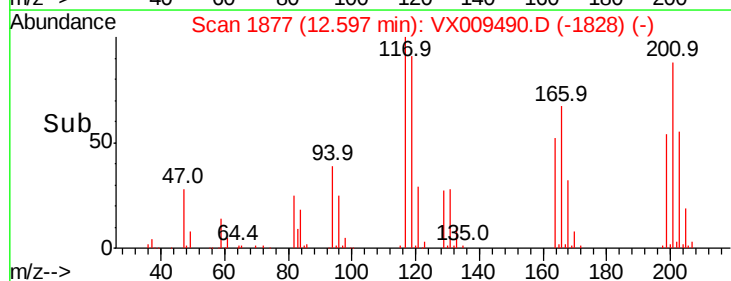
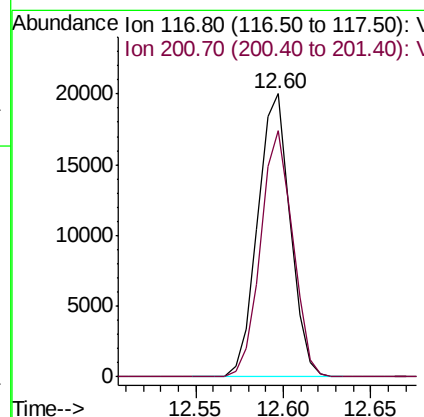
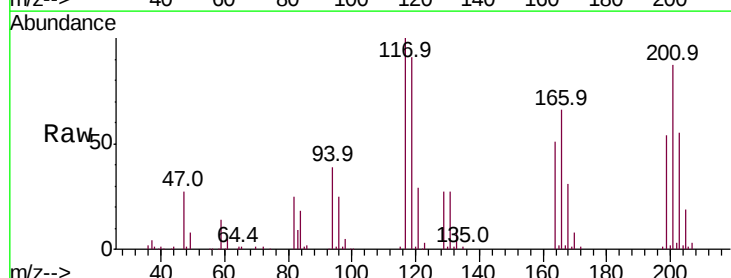
Manual Integrations
APPROVED

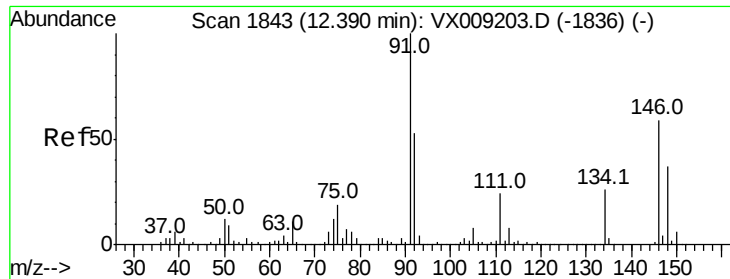
MMDadoda
5/11/2019 11:53:07 AM



#90
Hexachloroethane
Concen: 21.545 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009490.D
Acq: 10 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.9	42.3	126.9





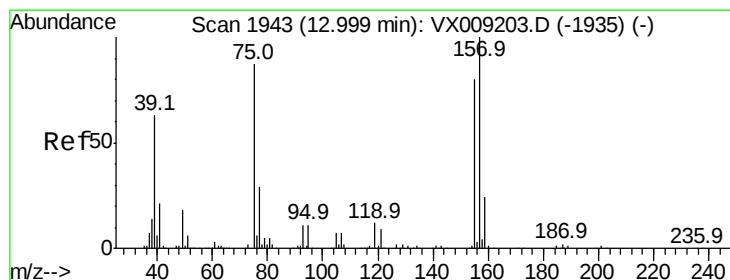
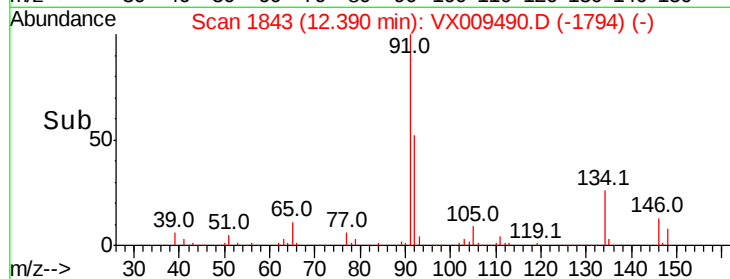
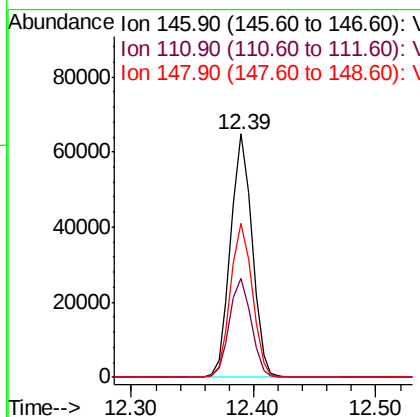
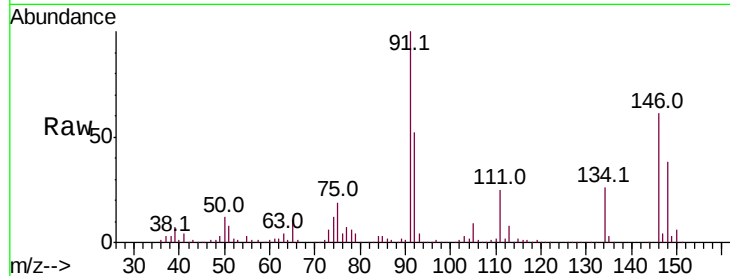
#91
 1,2-Dichlorobenzene
 Concen: 21.622 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	64.0	31.9	95.9

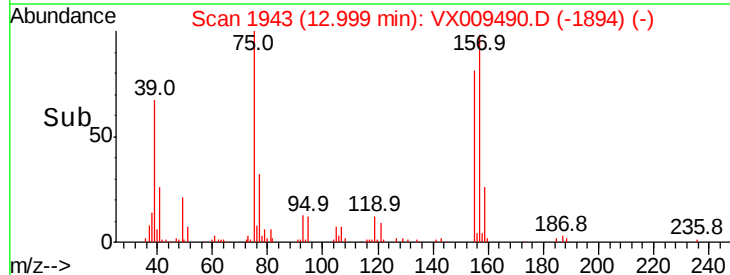
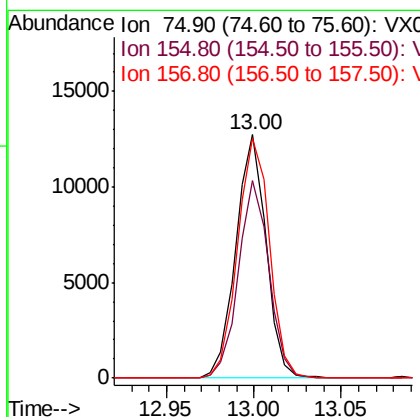
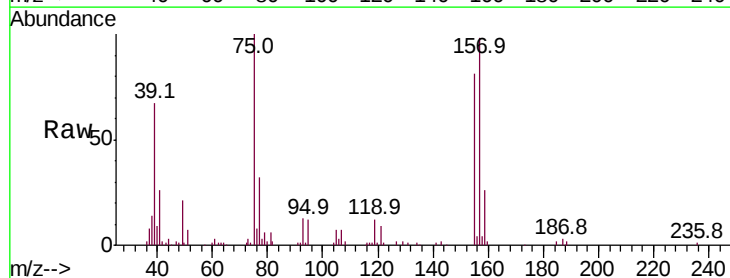
Manual Integrations
 APPROVED

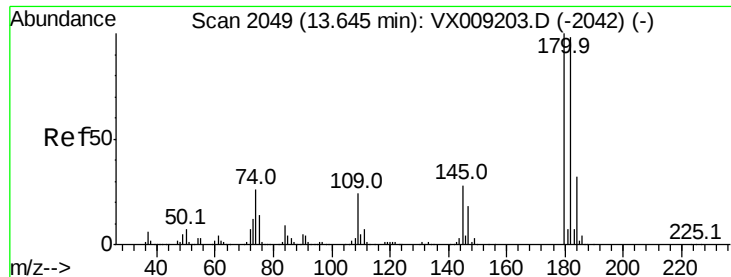
MMDadoda
 5/11/2019 11:53:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.635 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	42.0	126.0
157	103.7	53.2	159.6





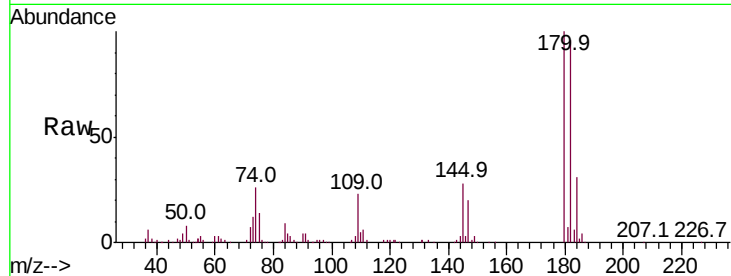
#93
 1,2,4-Trichlorobenzene
 Concen: 21.805 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.0	48.4	145.2	
145	29.0	14.6	43.8	

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 11:53:07 AM

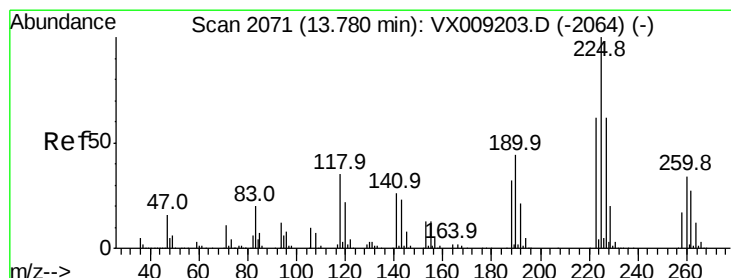
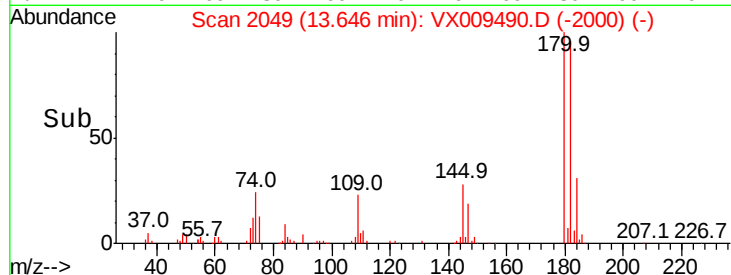
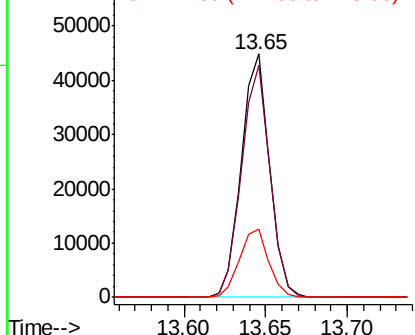


Abundance

Ion 179.80 (179.50 to 180.50): V

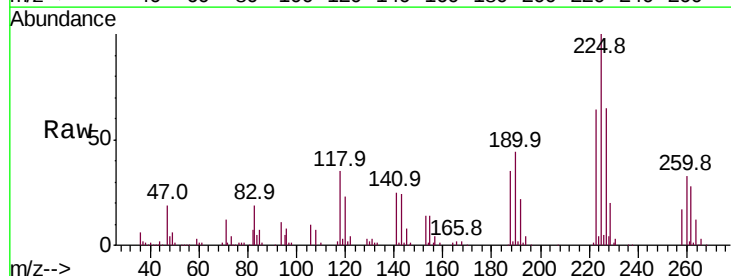
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.810 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009490.D
 Acq: 10 May 2019 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	31.3	93.8	
227	64.9	31.8	95.3	

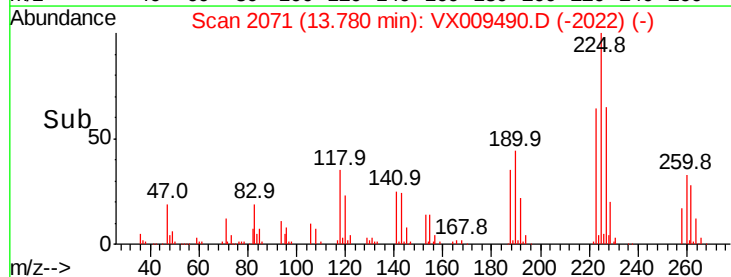
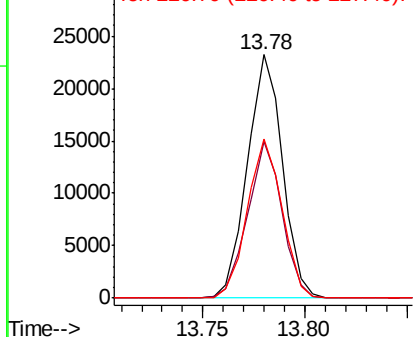


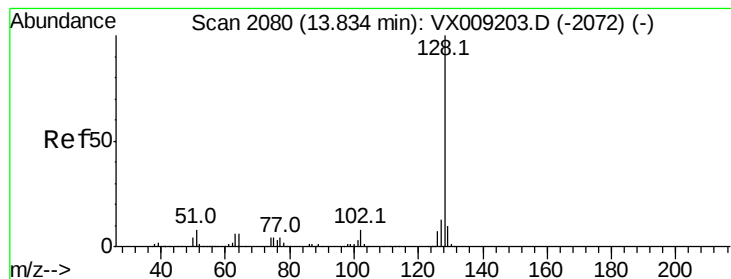
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 22.265 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Instrument :

MSVOA_X

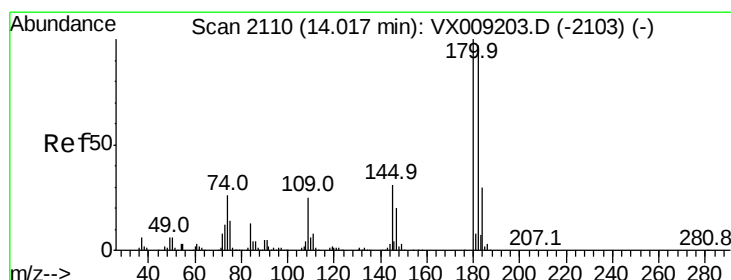
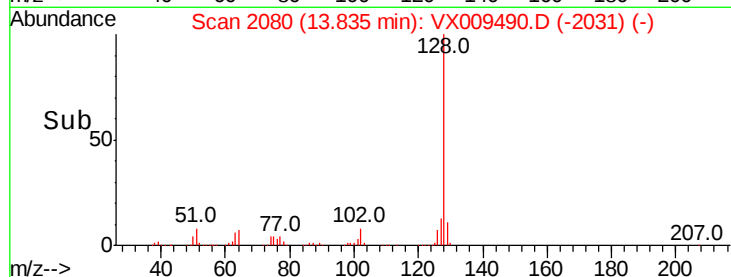
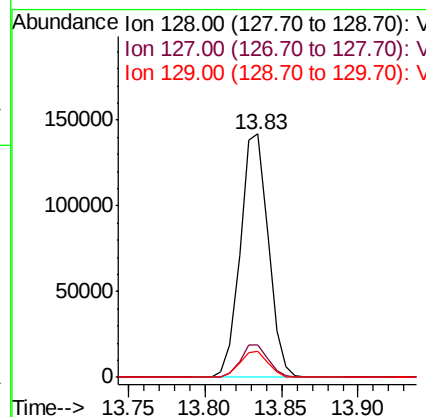
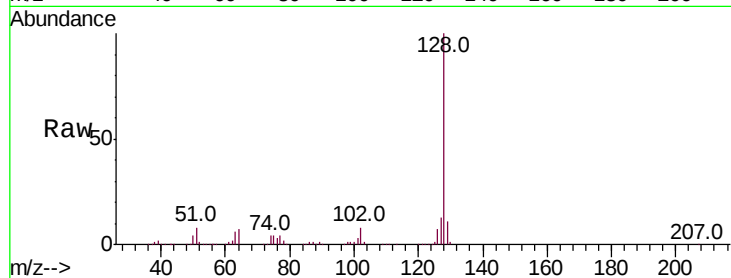
ClientSampleId :

VX0510WBSD02

Tot Ion:	128	Resp:	180446
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:53:07 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.448 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009490.D

Acq: 10 May 2019 18:53

Tgt Ion:	180	Resp:	56685
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.8	143.4
145	30.5	15.4	46.4

