

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031219\
 Data File : VX008014.D
 Acq On : 12 Mar 2019 14:21
 Operator : JC/SP
 Sample : VX0312WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 10:13:58 AM

Quant Time: Mar 13 05:44:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	249710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	365481	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	320815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158979	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	122935	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	
35) Dibromofluoromethane	5.50	113	108500	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
50) Toluene-d8	8.71	98	407912	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
62) 4-Bromofluorobenzene	11.13	95	143058	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	37029	17.357	ug/l	98
3) Chloromethane	1.33	50	48147	17.512	ug/l	99
4) Vinyl Chloride	1.41	62	49604	18.158	ug/l	99
5) Bromomethane	1.64	94	27663	20.923	ug/l	99
6) Chloroethane	1.73	64	35369	19.489	ug/l	96
7) Trichlorofluoromethane	1.93	101	66407	18.671	ug/l	100
8) Diethyl Ether	2.19	74	28479	18.491	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	40986	18.596	ug/l	99
10) Methyl Iodide	2.51	142	60279	19.278	ug/l	99
11) Tert butyl alcohol	3.07	59	57040	96.826	ug/l	99
12) 1,1-Dichloroethene	2.38	96	39477	18.581	ug/l	97
13) Acrolein	2.30	56	51140	153.997	ug/l	100
14) Allyl chloride	2.73	41	78393	17.560	ug/l	99
15) Acrylonitrile	3.15	53	135824	91.345	ug/l	99
16) Acetone	2.45	43	120844	79.258	ug/l	99
17) Carbon Disulfide	2.57	76	114564	17.465	ug/l	100
18) Methyl Acetate	2.78	43	62357	19.251	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	139428	19.076	ug/l	99
20) Methylene Chloride	2.86	84	44749	18.441	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	42026	17.978	ug/l	99
22) Diisopropyl ether	3.87	45	149248	18.237	ug/l	95
23) Vinyl Acetate	3.82	43	630136	87.806	ug/l	99
24) 1,1-Dichloroethane	3.70	63	79072	17.955	ug/l	99
25) 2-Butanone	4.70	43	185233	85.813	ug/l	99
26) 2,2-Dichloropropane	4.59	77	53261	18.254	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	48621	18.176	ug/l	98
28) Bromochloromethane	5.02	49	37527	18.277	ug/l	98
29) Tetrahydrofuran	5.15	42	121577	90.295	ug/l	99
30) Chloroform	5.21	83	78088	18.744	ug/l	99
31) Cyclohexane	5.57	56	72538	17.921	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	64192	18.571	ug/l	99
36) 1,1-Dichloropropene	5.80	75	57714	17.440	ug/l	99
37) Ethyl Acetate	4.85	43	67477	17.182	ug/l	99
38) Carbon Tetrachloride	5.78	117	56004	17.825	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031219\
 Data File : VX008014.D
 Acq On : 12 Mar 2019 14:21
 Operator : JC/SP
 Sample : VX0312WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0312WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 10:13:58 AM

Quant Time: Mar 13 05:44:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	71545	17.842	ug/l	98
40) Benzene	6.14	78	180461	18.317	ug/l	99
41) Methacrylonitrile	5.06	41	38957	18.195	ug/l	100
42) 1,2-Dichloroethane	6.20	62	59198	18.373	ug/l	99
43) Isopropyl Acetate	6.46	43	104210	17.930	ug/l	100
44) Trichloroethene	7.21	130	49604	18.270	ug/l	97
45) 1,2-Dichloropropane	7.51	63	48133	18.497	ug/l	98
46) Dibromomethane	7.66	93	29946	18.185	ug/l	97
47) Bromodichloromethane	7.90	83	55926	17.912	ug/l	100
48) Methyl methacrylate	7.77	41	54883	17.960	ug/l	98
49) 1,4-Dioxane	7.75	88	22841	363.871	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	346066	92.586	ug/l	99
52) Toluene	8.78	92	111969	18.615	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	59386	18.224	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	67337	18.298	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	46682	19.172	ug/l	99
56) Ethyl methacrylate	9.18	69	67971	18.592	ug/l	99
57) 1,3-Dichloropropane	9.37	76	75737	18.525	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	187384	99.086	ug/l	99
59) 2-Hexanone	9.49	43	259494	89.421	ug/l	100
60) Dibromochloromethane	9.58	129	45931	18.047	ug/l	99
61) 1,2-Dibromoethane	9.67	107	48128	18.617	ug/l	99
64) Tetrachloroethene	9.34	164	49732	18.706	ug/l	97
65) Chlorobenzene	10.14	112	123712	18.428	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	44678	18.569	ug/l	99
67) Ethyl Benzene	10.25	91	204005	18.461	ug/l	100
68) m/p-Xylenes	10.36	106	157448	36.964	ug/l	100
69) o-Xylene	10.69	106	77180	18.768	ug/l	99
70) Styrene	10.71	104	126763	18.837	ug/l	100
71) Bromoform	10.85	173	35928	17.388	ug/l #	100
73) Isopropylbenzene	11.02	105	204326	19.004	ug/l	100
74) N-amyl acetate	10.90	43	87220	17.769	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	67613	18.231	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	65806m	19.726	ug/l	
77) Bromobenzene	11.26	156	55698	18.895	ug/l	98
78) n-propylbenzene	11.36	91	225642	18.917	ug/l	99
79) 2-Chlorotoluene	11.42	91	138234	18.954	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	170900	19.312	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	18087	17.330	ug/l	93
82) 4-Chlorotoluene	11.51	91	155853	18.647	ug/l	100
83) tert-Butylbenzene	11.77	119	166574	18.687	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	173261	19.099	ug/l	100
85) sec-Butylbenzene	11.94	105	201471	19.190	ug/l	99
86) p-Isopropyltoluene	12.06	119	180508	19.198	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	96456	18.495	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	96460	18.061	ug/l	99
89) n-Butylbenzene	12.38	91	146942	18.447	ug/l	99
90) Hexachloroethane	12.60	117	27890	17.742	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	96681	18.661	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13200	17.030	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031219\
Data File : VX008014.D
Acq On : 12 Mar 2019 14:21
Operator : JC/SP
Sample : VX0312WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS02

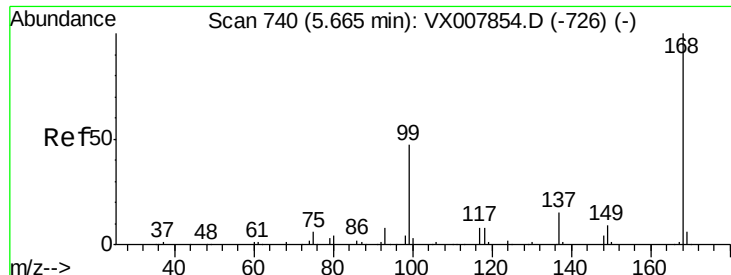
Manual Integrations
APPROVED

MMDadoda
3/13/2019 10:13:58 AM

Quant Time: Mar 13 05:44:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	65563	18.014	ug/l	100
94) Hexachlorobutadiene	13.78	225	36680	19.277	ug/l	99
95) Naphthalene	13.83	128	192365	18.344	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	66858	18.441	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: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBS02

Tgt Ion:168 Resp: 249710

Ion Ratio Lower Upper

168 100

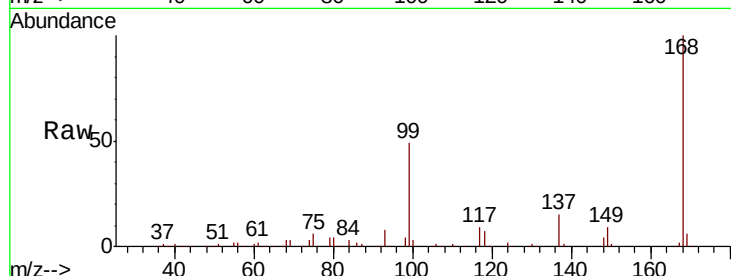
99 48.8 37.6 56.4

Manual Integrations

APPROVED

MMDadoda

3/13/2019 10:13:58 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

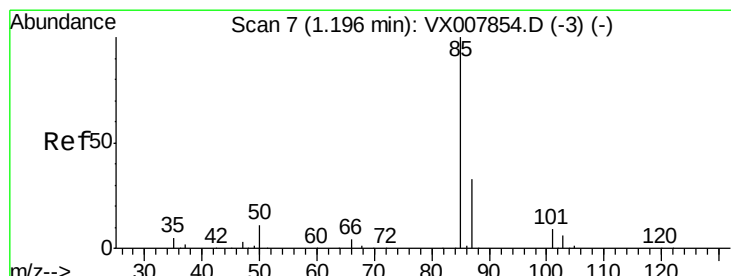
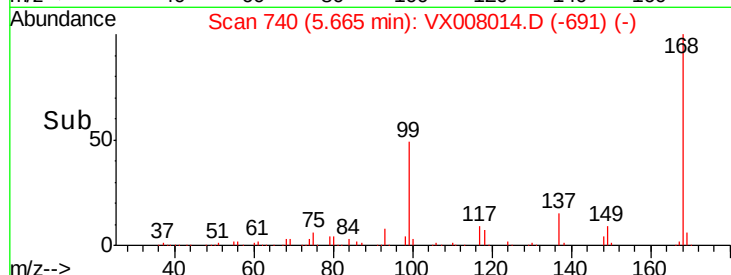
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.357 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008014.D

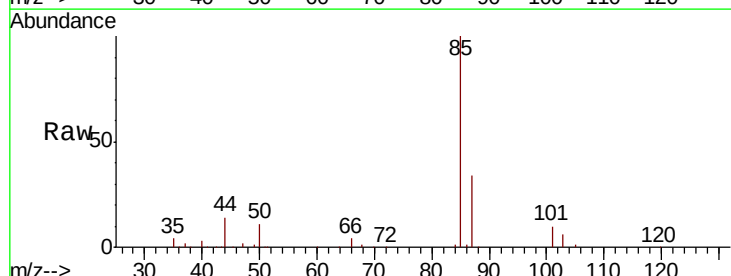
Acq: 12 Mar 2019 14:21

Tgt Ion: 85 Resp: 37029

Ion Ratio Lower Upper

85 100

87 33.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

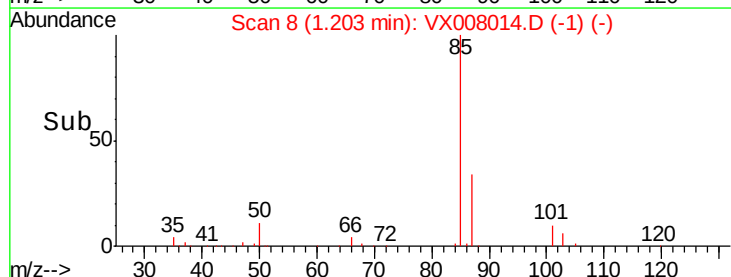
30000

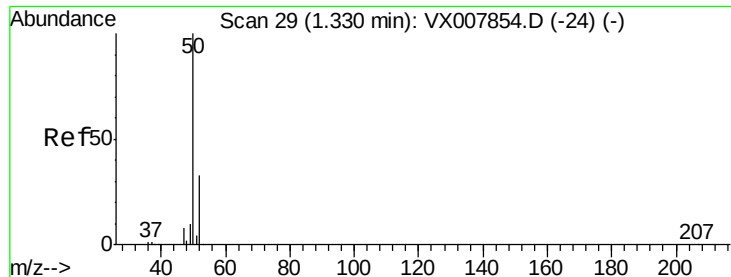
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.512 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBS02

Tgt Ion: 50 Resp: 48147

Ion Ratio Lower Upper

50 100

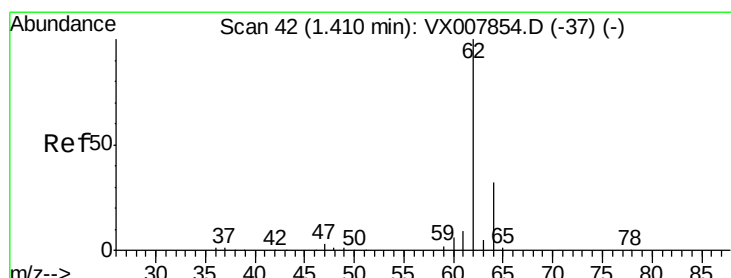
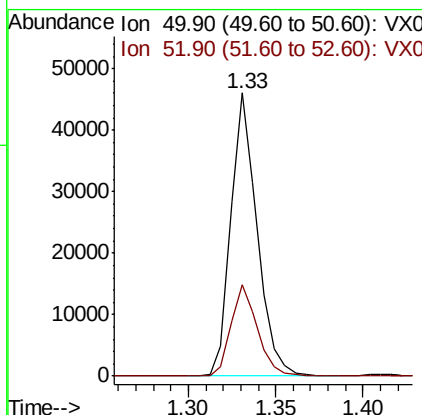
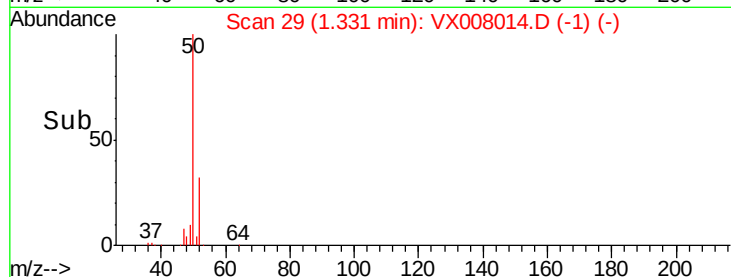
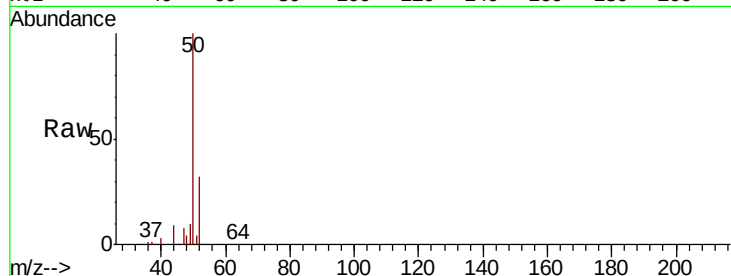
52 32.5 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

3/13/2019 10:13:58 AM



#4

Vinyl Chloride

Concen: 18.158 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008014.D

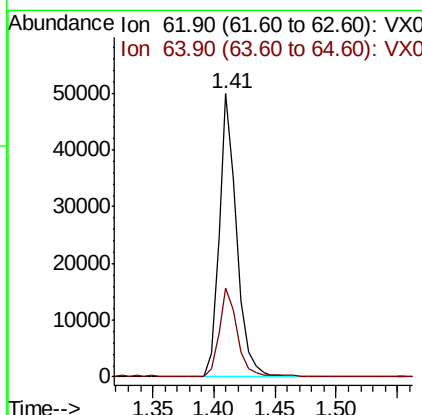
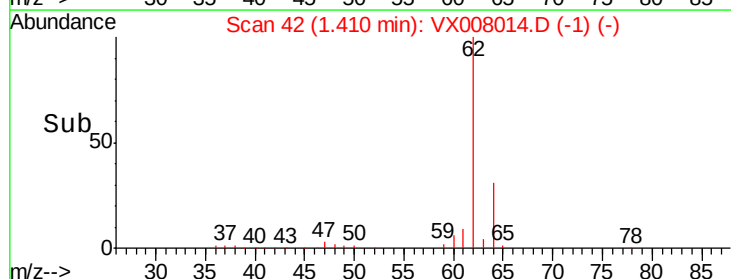
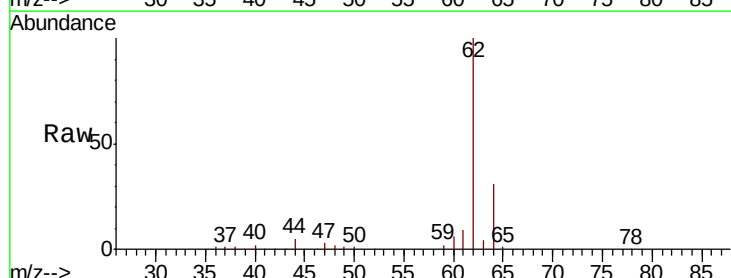
Acq: 12 Mar 2019 14:21

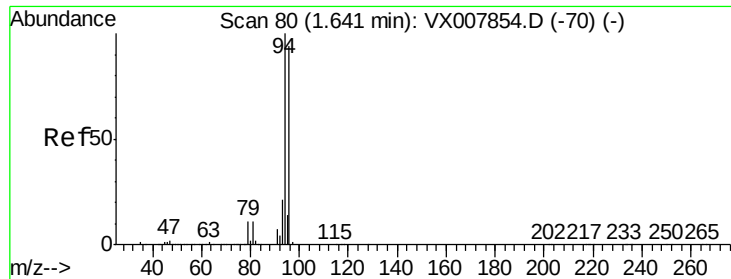
Tgt Ion: 62 Resp: 49604

Ion Ratio Lower Upper

62 100

64 30.9 25.3 37.9





#5

Bromomethane

Concen: 20.923 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBS02

Tgt Ion: 94 Resp: 27663

Ion Ratio Lower Upper

94 100

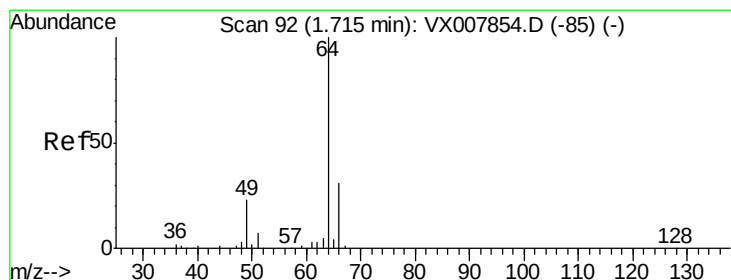
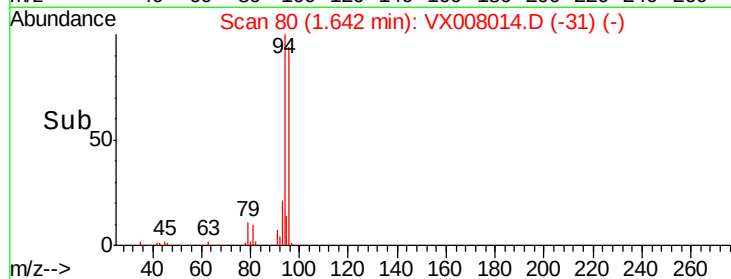
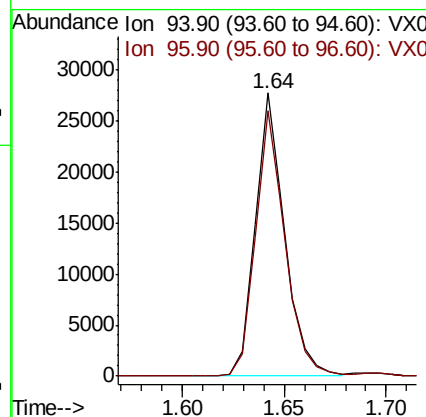
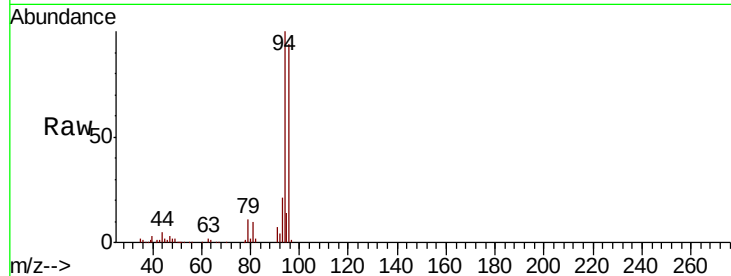
96 93.9 75.5 113.3

Manual Integrations

APPROVED

MMDadoda

3/13/2019 10:13:58 AM



#6

Chloroethane

Concen: 19.489 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008014.D

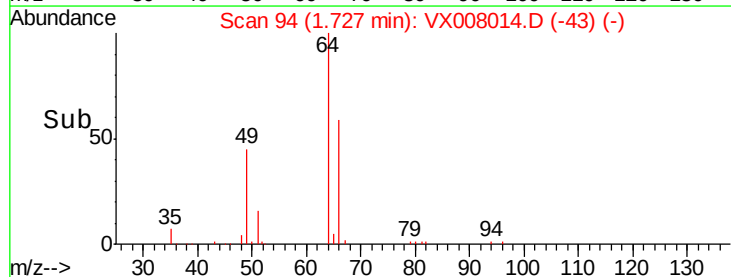
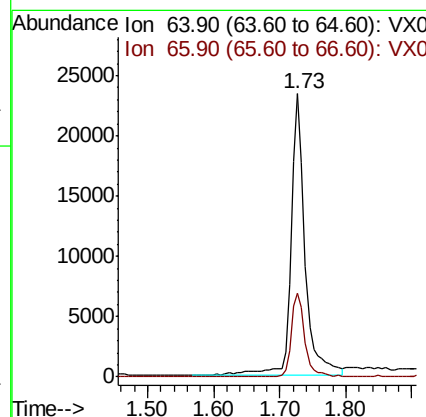
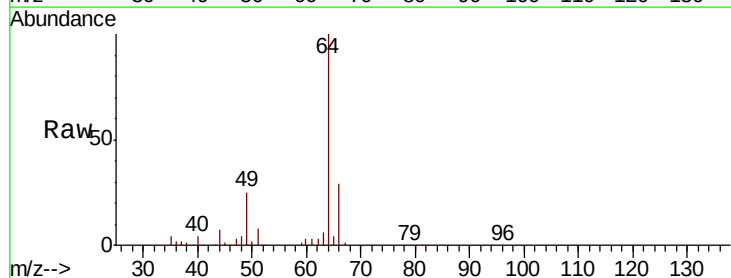
Acq: 12 Mar 2019 14:21

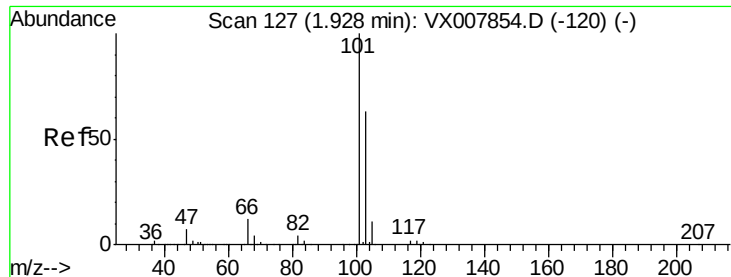
Tgt Ion: 64 Resp: 35369

Ion Ratio Lower Upper

64 100

66 29.5 25.2 37.8





#7

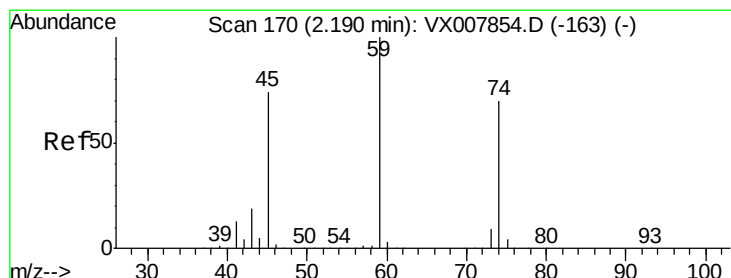
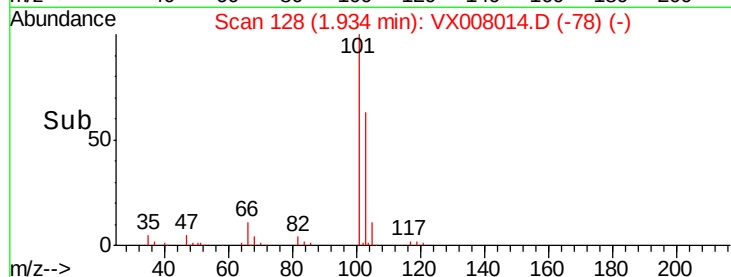
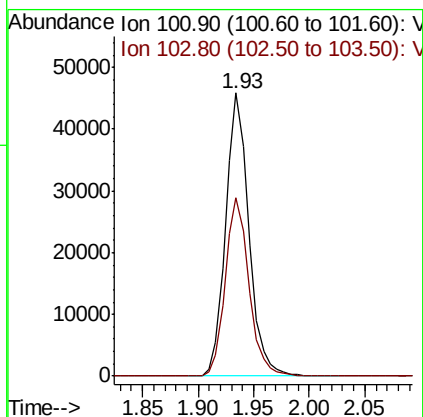
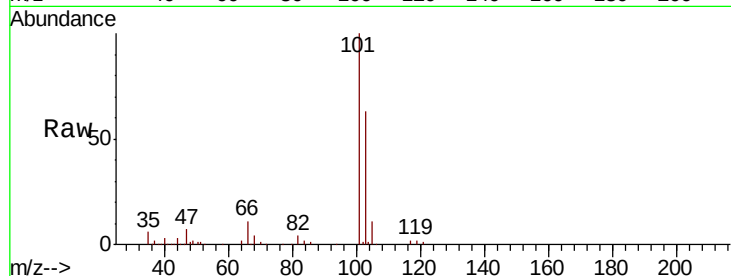
Trichlorofluoromethane
 Concen: 18.671 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBS02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.0	50.4	75.6

Manual Integrations
 APPROVED

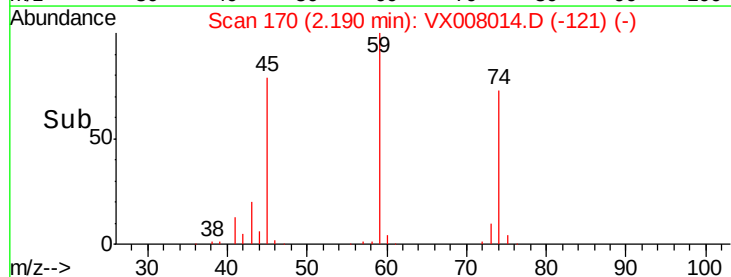
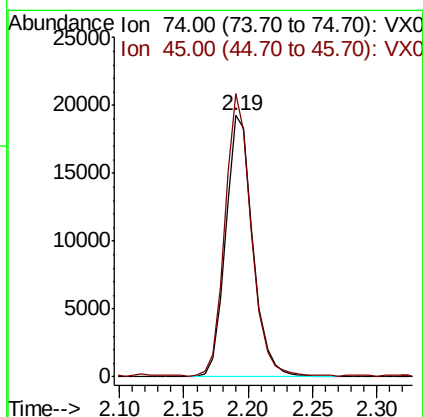
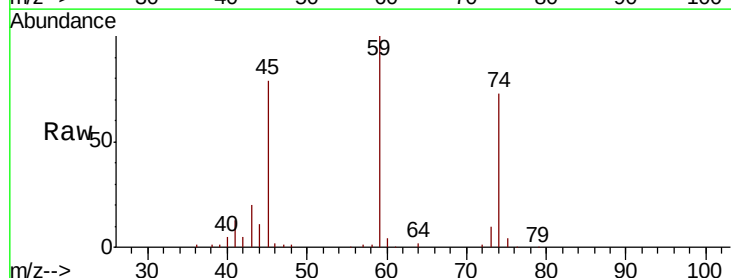
MMDadoda
 3/13/2019 10:13:58 AM

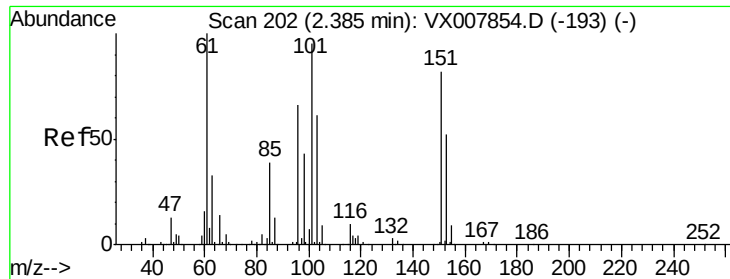


#8

Diethyl Ether
 Concen: 18.491 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.5	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.596 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

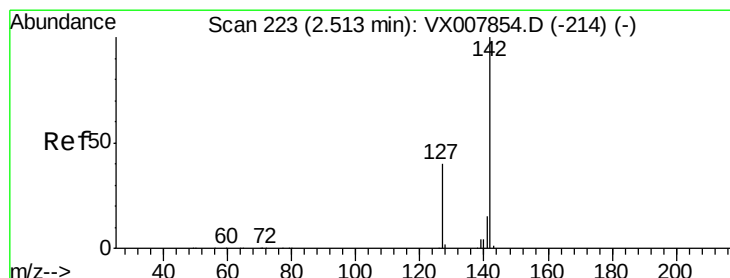
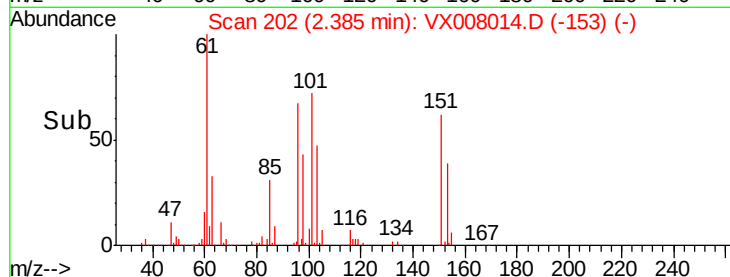
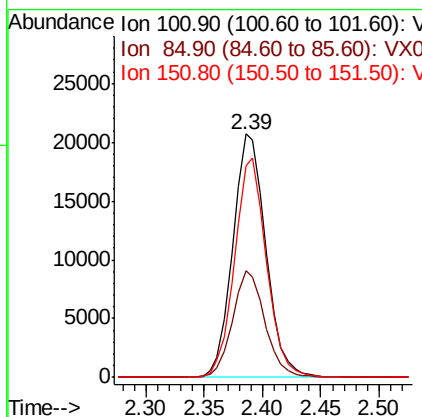
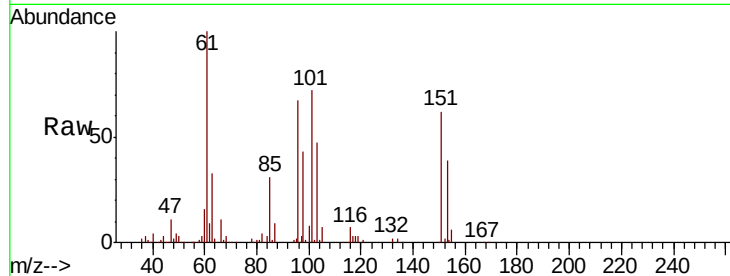
ClientSampled :

VX0312WBS02

Tgt Ion:	101	Resp:	40986
Ion Ratio	Lower	Upper	
101	100		
85	42.8	33.8	50.6
151	87.0	69.1	103.7

Manual Integrations
APPROVED

MMDadoda
3/13/2019 10:13:58 AM



#10

Methyl Iodide

Concen: 19.278 ug/l

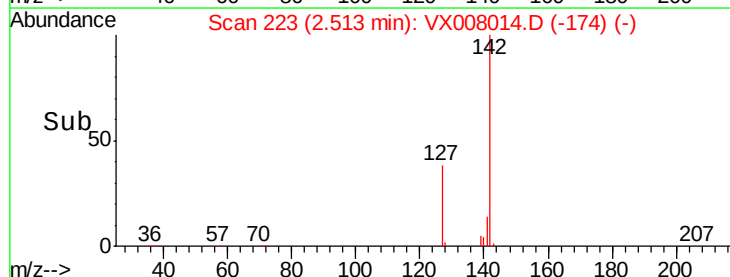
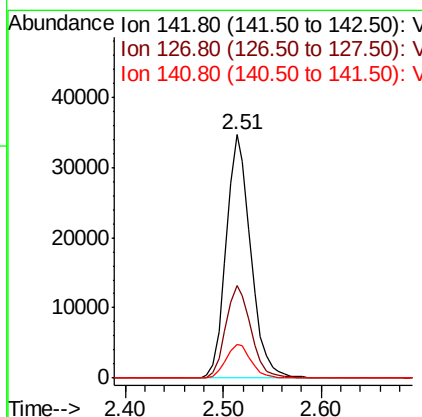
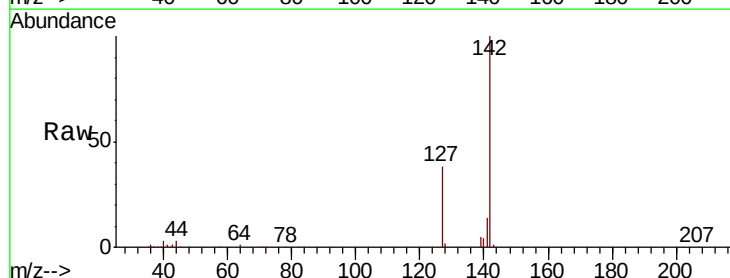
RT: 2.51 min Scan# 223

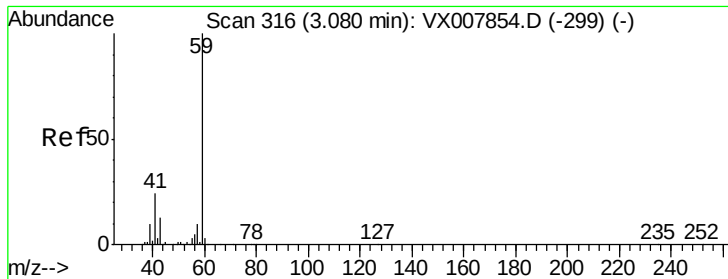
Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Tgt Ion:	142	Resp:	60279
Ion Ratio	Lower	Upper	
142	100		
127	39.1	32.1	48.1
141	14.1	11.4	17.2





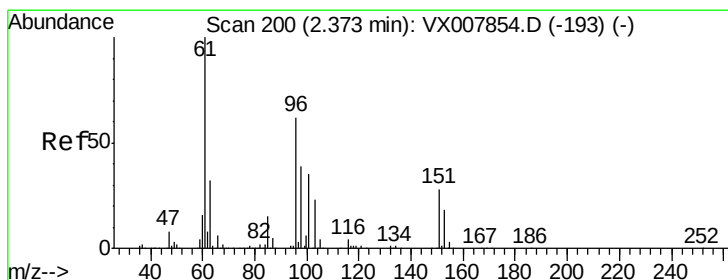
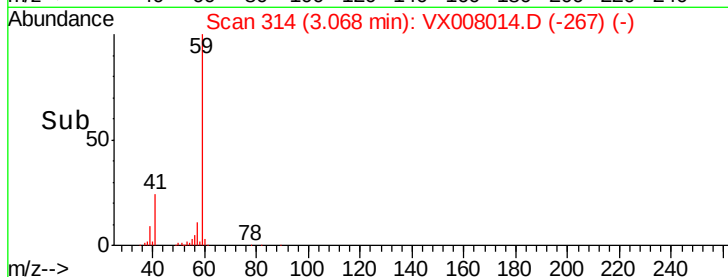
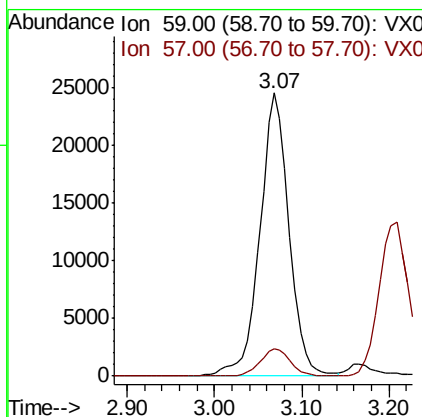
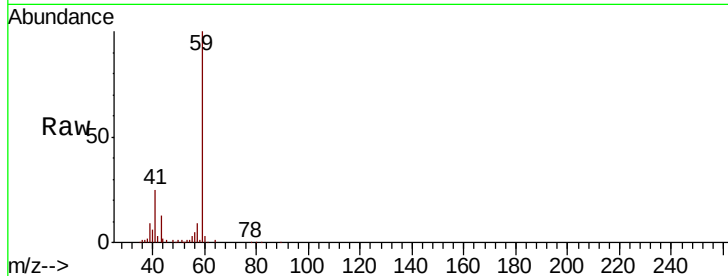
#11
Tert butyl alcohol
Concen: 96.826 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS02

Tgt Ion: 59 Resp: 57040
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.2

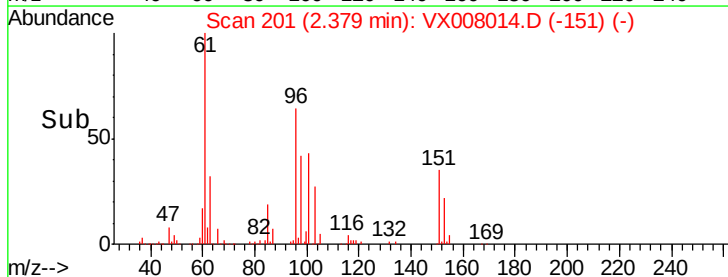
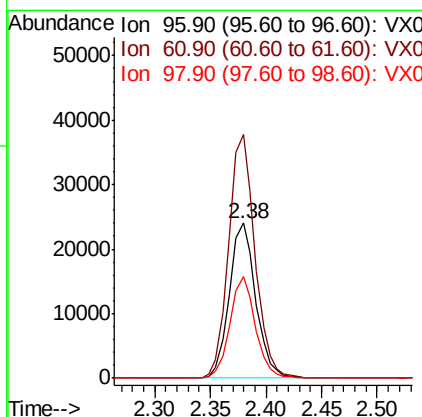
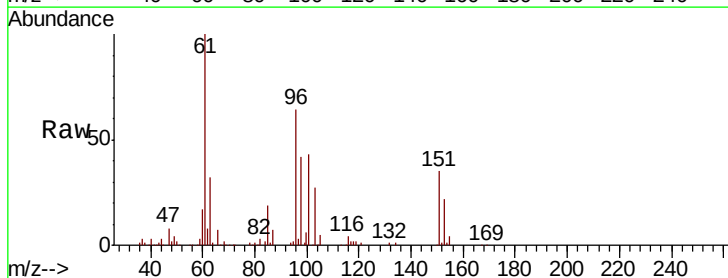
Manual Integrations
APPROVED

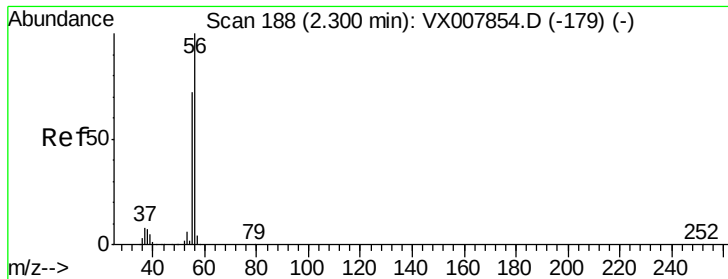
MMDadoda
3/13/2019 10:13:58 AM



#12
1,1-Dichloroethene
Concen: 18.581 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Tgt Ion: 96 Resp: 39477
Ion Ratio Lower Upper
96 100
61 157.4 129.8 194.6
98 65.7 51.0 76.6





#13

Acrolein

Concen: 153.997 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBS02

Tgt Ion: 56 Resp: 51140

Ion Ratio Lower Upper

56 100

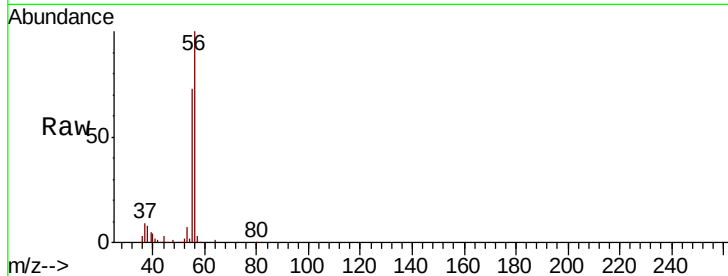
55 72.2 57.8 86.6

Manual Integrations

APPROVED

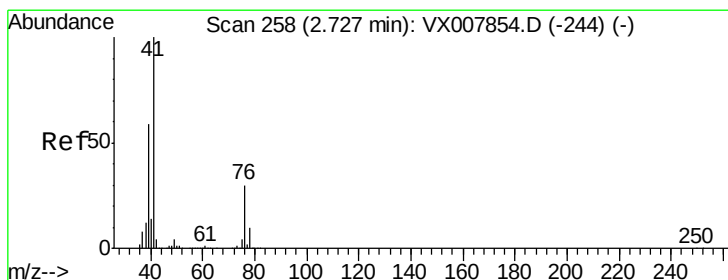
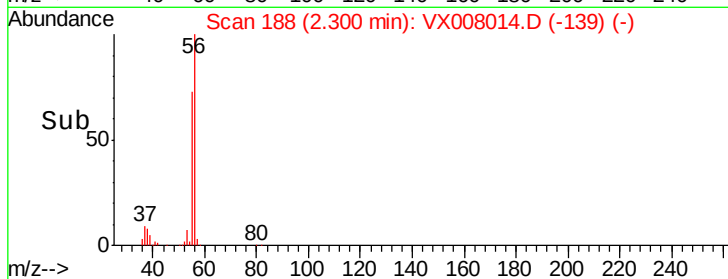
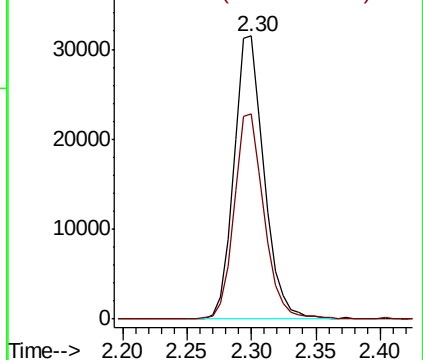
MMDadoda

3/13/2019 10:13:58 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 17.560 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

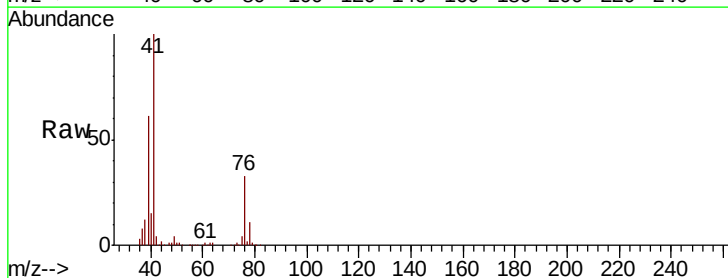
Tgt Ion: 41 Resp: 78393

Ion Ratio Lower Upper

41 100

39 57.0 46.1 69.1

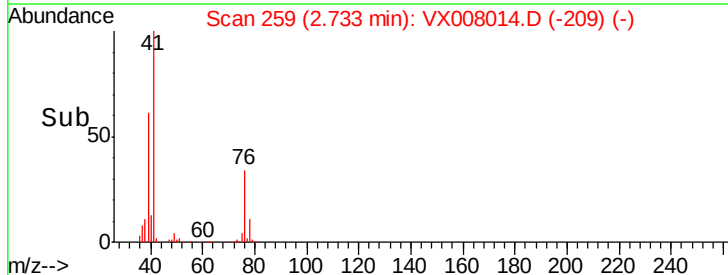
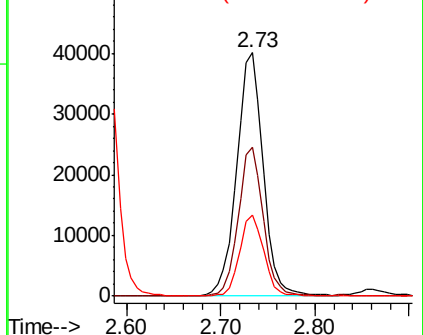
76 30.8 24.0 36.0

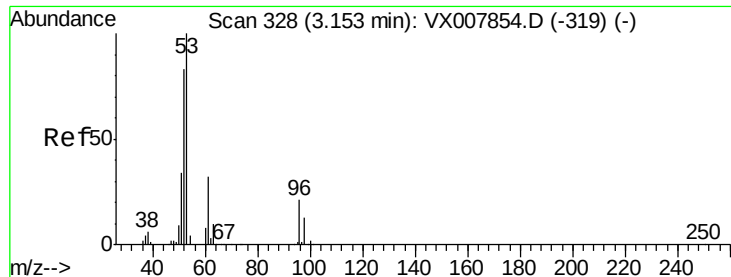


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 91.345 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

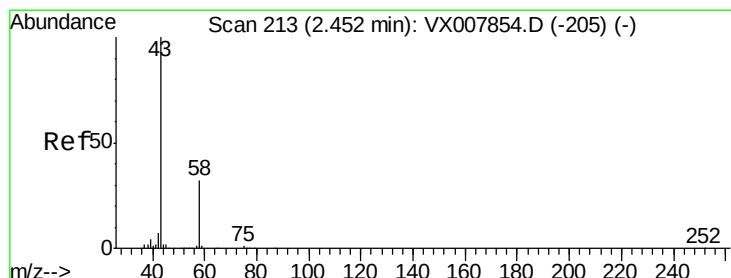
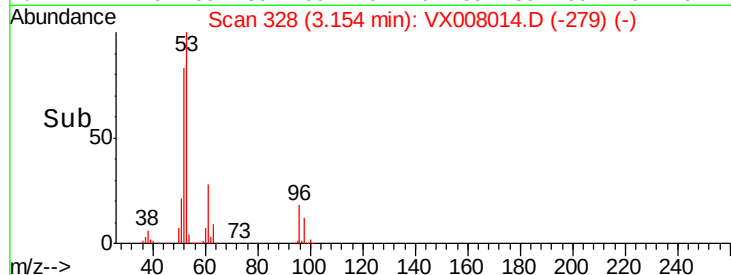
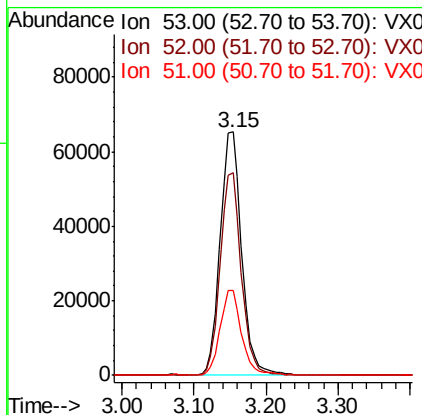
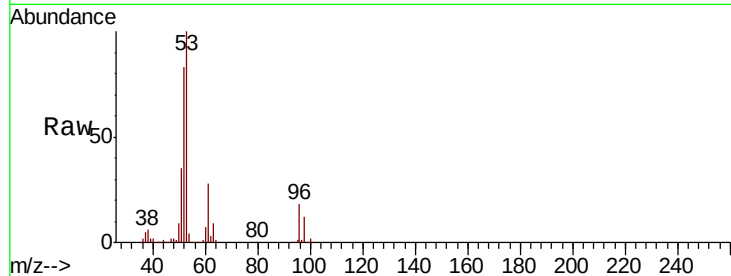
ClientSampleId :

VX0312WBS02

Tgt Ion:	53	Resp:	135824
Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.0	99.0
51	34.8	28.0	42.0

Manual Integrations
APPROVED

MMDadoda
3/13/2019 10:13:58 AM



#16

Acetone

Concen: 79.258 ug/l

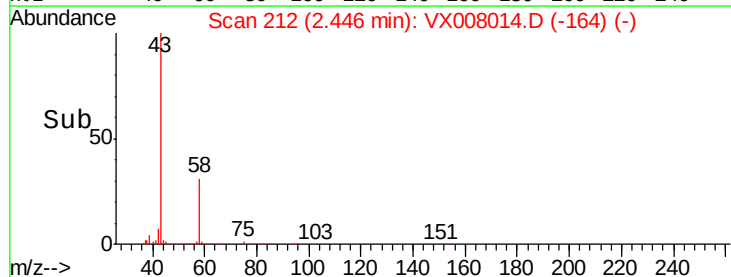
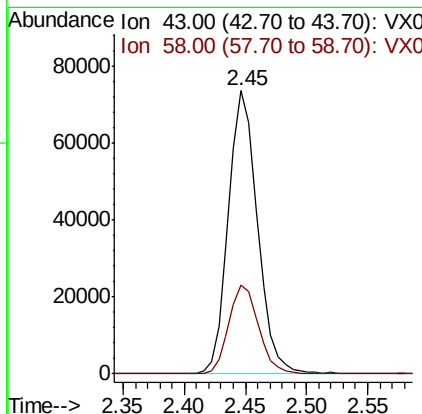
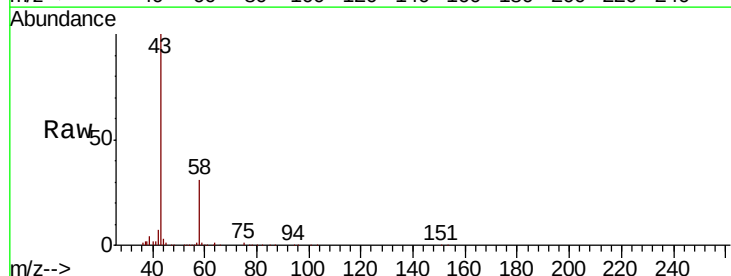
RT: 2.45 min Scan# 212

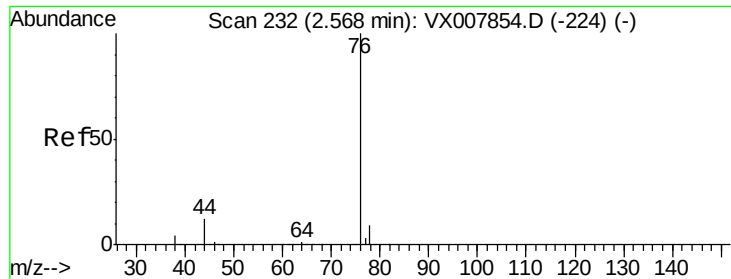
Delta R.T. -0.01 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Tgt Ion:	43	Resp:	120844
Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.5	38.3





#17

Carbon Disulfide

Concen: 17.465 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBS02

Tgt Ion: 76 Resp: 114564

Ion Ratio Lower Upper

76 100

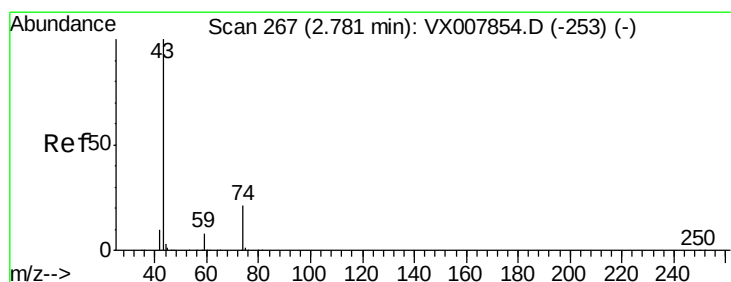
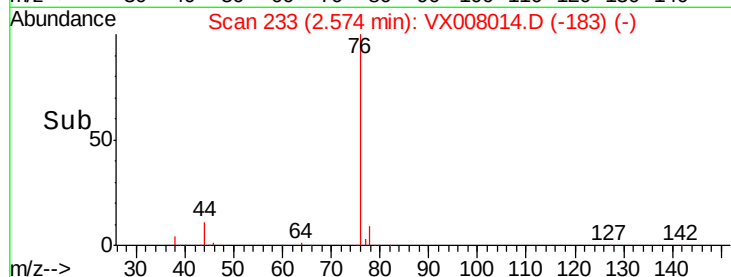
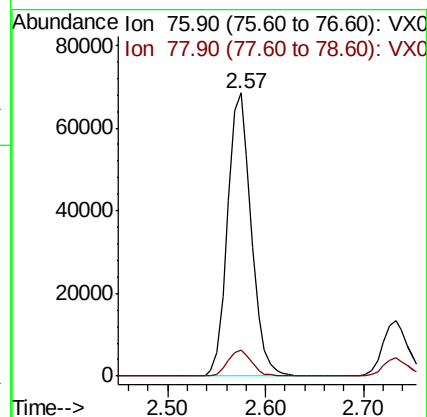
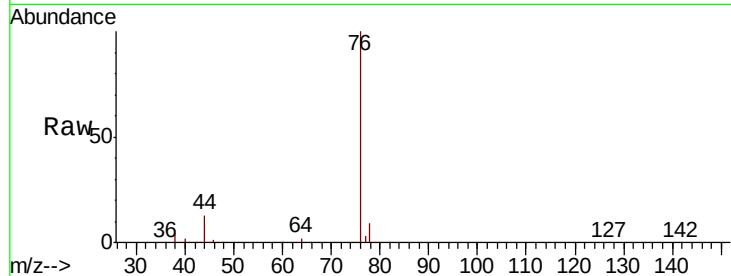
78 9.0 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

3/13/2019 10:13:58 AM



#18

Methyl Acetate

Concen: 19.251 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX008014.D

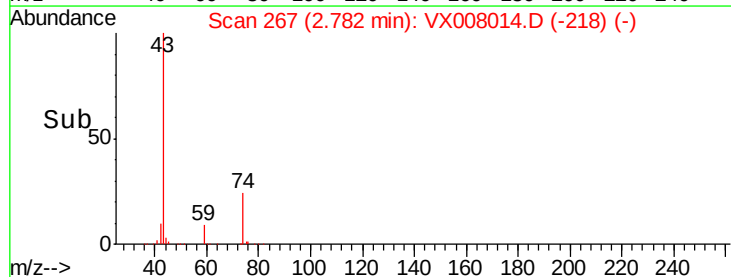
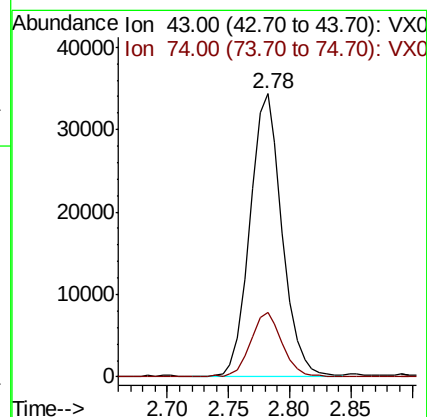
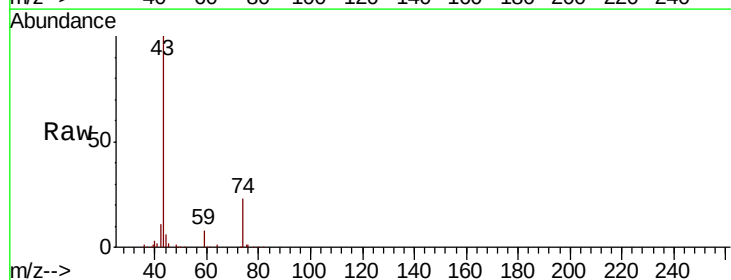
Acq: 12 Mar 2019 14:21

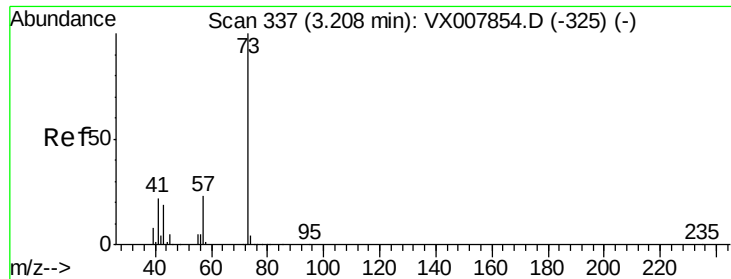
Tgt Ion: 43 Resp: 62357

Ion Ratio Lower Upper

43 100

74 23.0 17.8 26.6





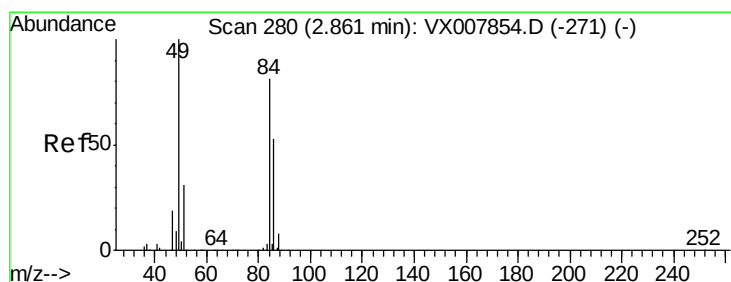
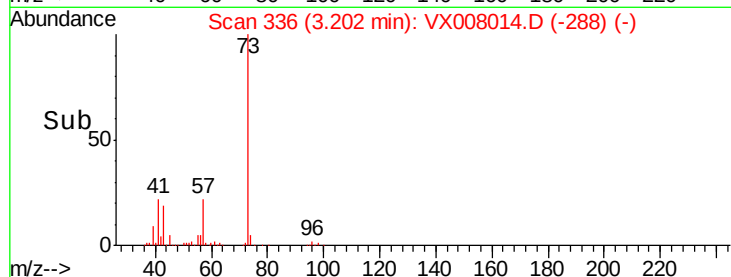
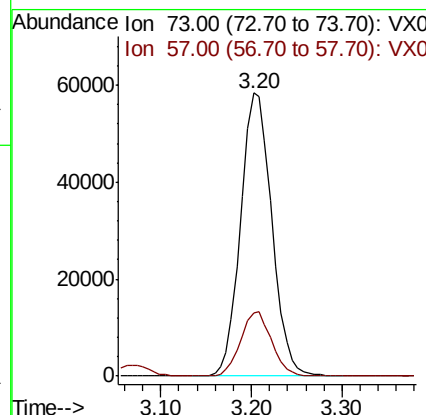
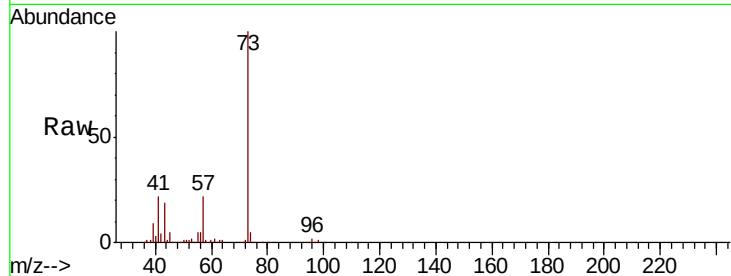
#19
Methyl tert-butyl Ether
Concen: 19.076 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS02

Tgt Ion: 73 Resp: 139428
Ion Ratio Lower Upper
73 100
57 22.2 18.2 27.4

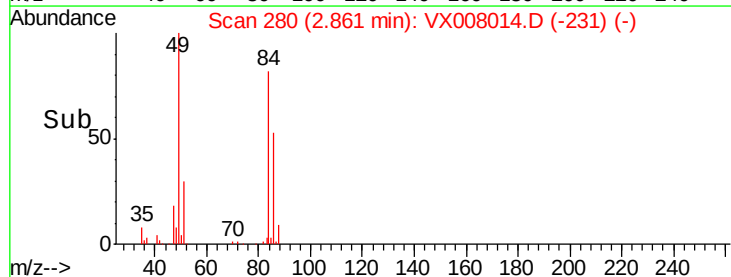
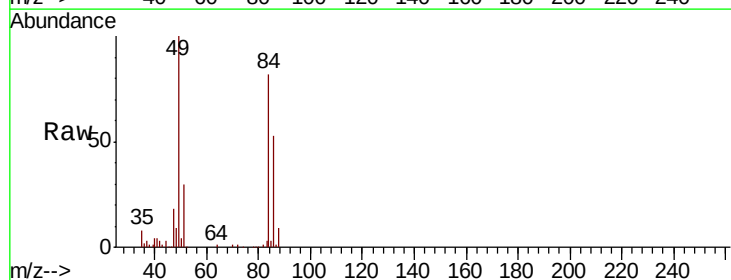
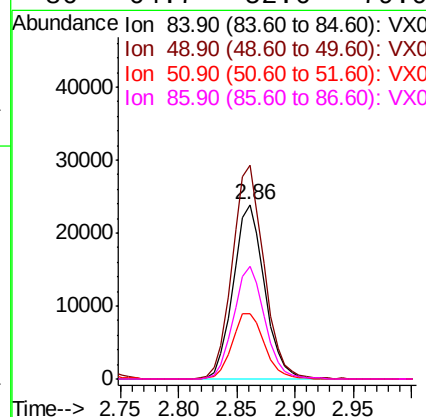
Manual Integrations
APPROVED

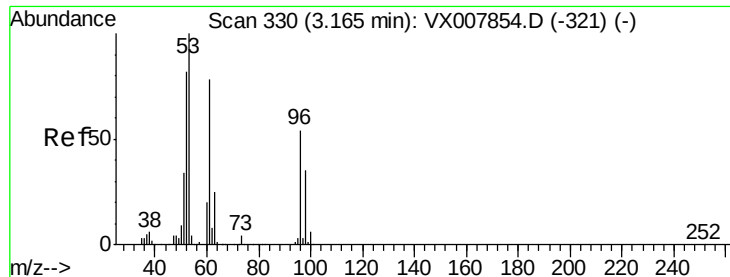
MMDadoda
3/13/2019 10:13:58 AM



#20
Methylene Chloride
Concen: 18.441 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Tgt Ion: 84 Resp: 44749
Ion Ratio Lower Upper
84 100
49 122.5 99.3 148.9
51 37.3 31.3 46.9
86 64.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 17.978 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

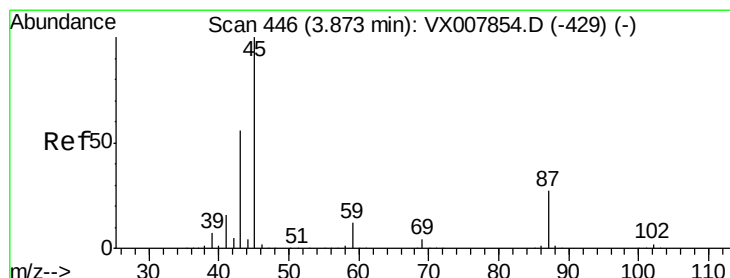
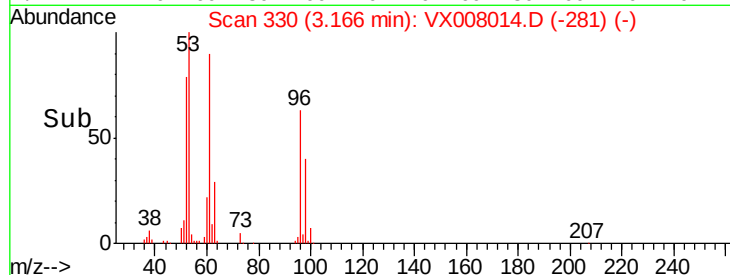
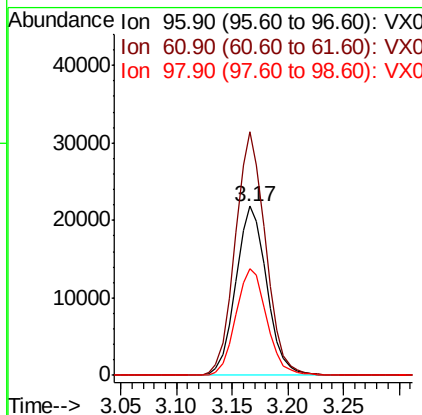
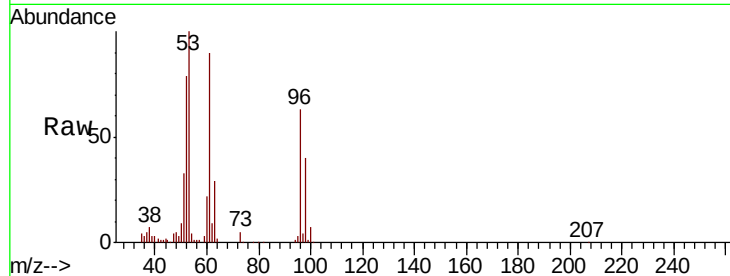
ClientSampleId :

VX0312WBS02

Tgt Ion:	96	Resp:	42026
Ion	Ratio	Lower	Upper
96	100		
61	143.9	114.4	171.6
98	63.3	51.1	76.7

Manual Integrations
APPROVED

MMDadoda
3/13/2019 10:13:58 AM



#22

Diisopropyl ether

Concen: 18.237 ug/l

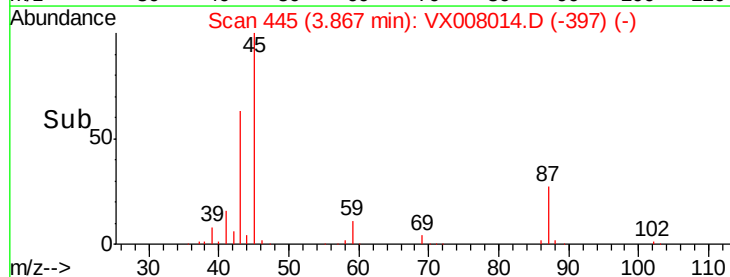
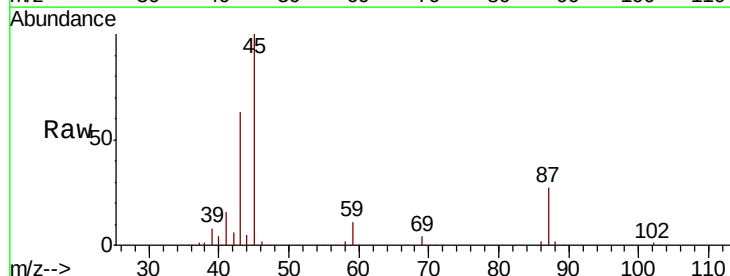
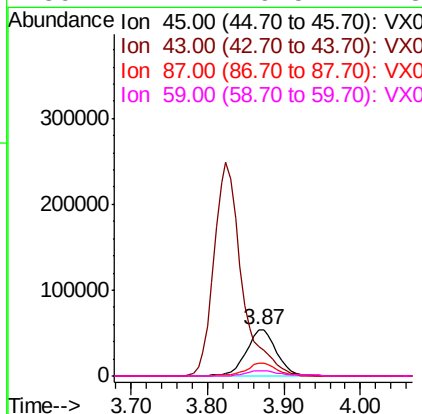
RT: 3.87 min Scan# 445

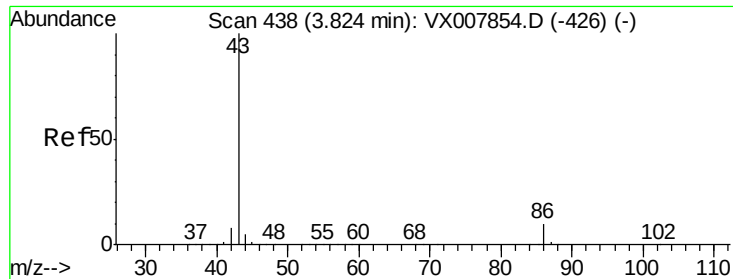
Delta R.T. -0.01 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Tgt Ion:	45	Resp:	149248
Ion	Ratio	Lower	Upper
45	100		
43	62.3	45.3	67.9
87	26.8	21.4	32.0
59	11.1	9.5	14.3





#23

Vinyl Acetate

Concen: 87.806 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBS02

Tgt Ion: 43 Resp: 630136

Ion Ratio Lower Upper

43 100

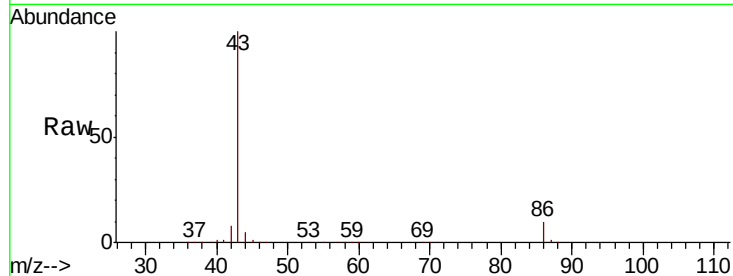
86 10.4 7.9 11.9

Manual Integrations

APPROVED

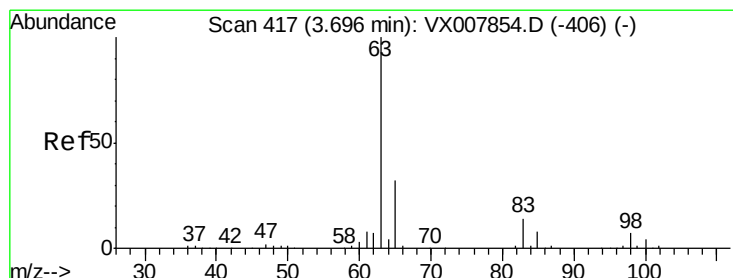
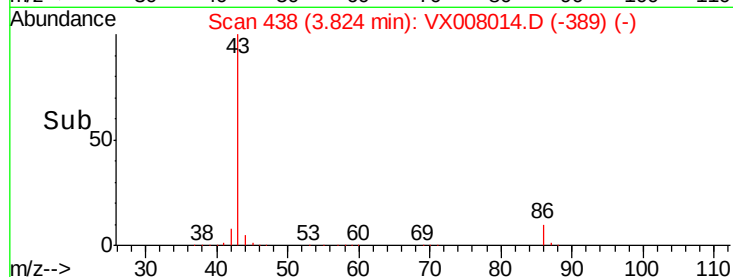
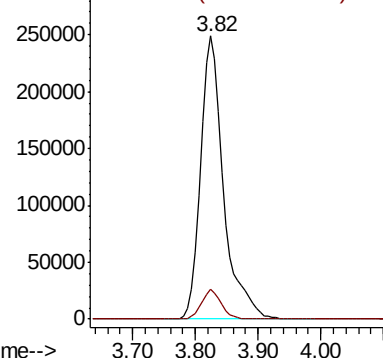
MMDadoda

3/13/2019 10:13:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 17.955 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

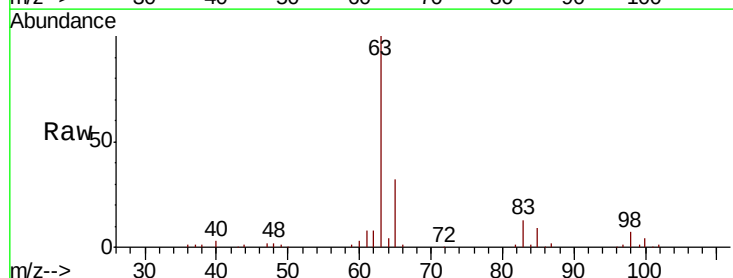
Tgt Ion: 63 Resp: 79072

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

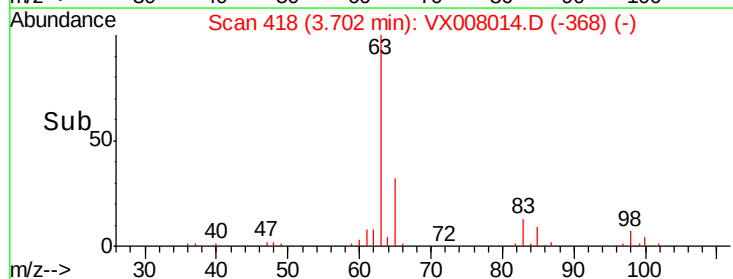
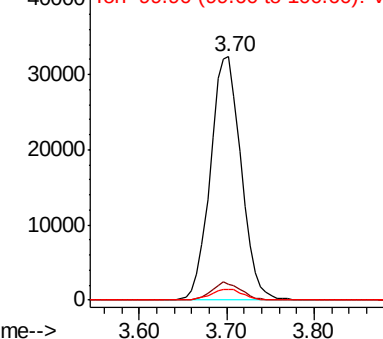
100 4.4 2.3 6.8

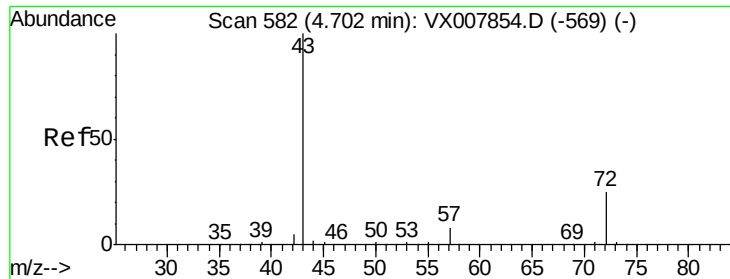


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 85.813 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBS02

Tgt Ion: 43 Resp: 185233

Ion Ratio Lower Upper

43 100

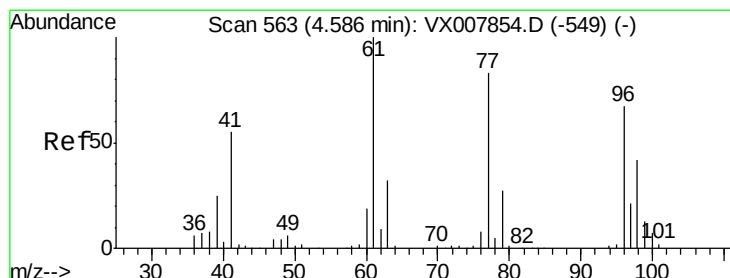
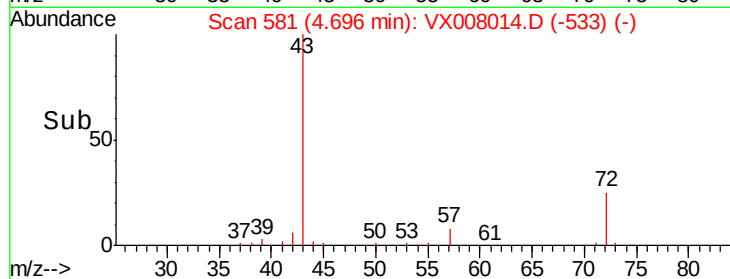
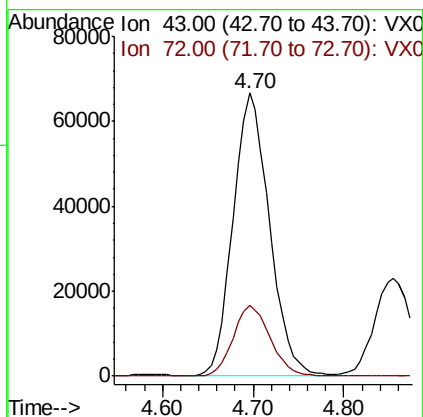
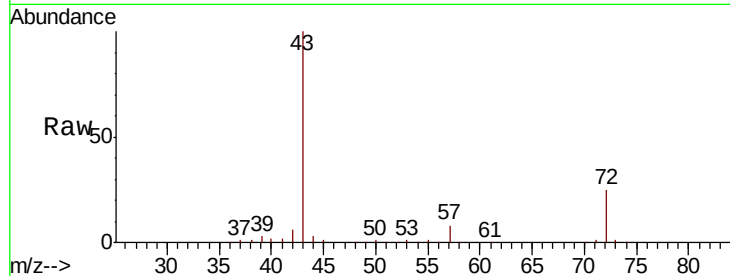
72 25.2 19.9 29.9

Manual Integrations

APPROVED

MMDadoda

3/13/2019 10:13:58 AM



#26

2,2-Dichloropropane

Concen: 18.254 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008014.D

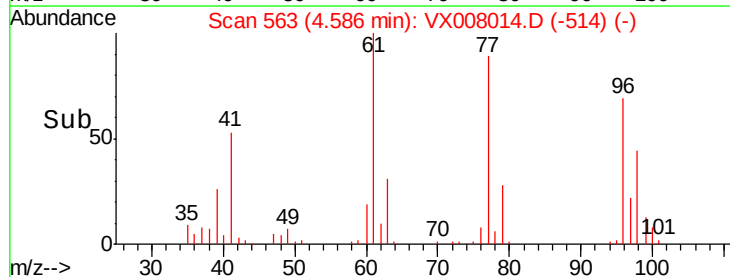
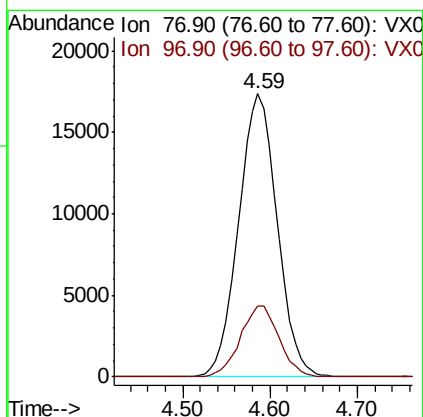
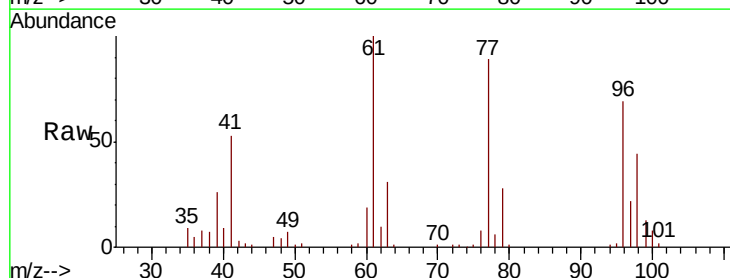
Acq: 12 Mar 2019 14:21

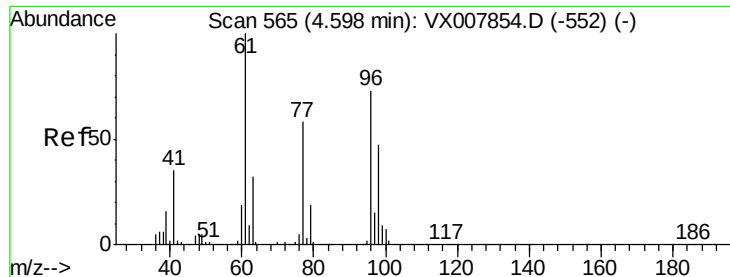
Tgt Ion: 77 Resp: 53261

Ion Ratio Lower Upper

77 100

97 25.1 12.2 36.6





#27

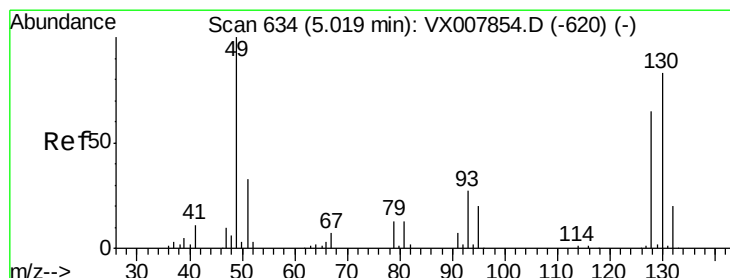
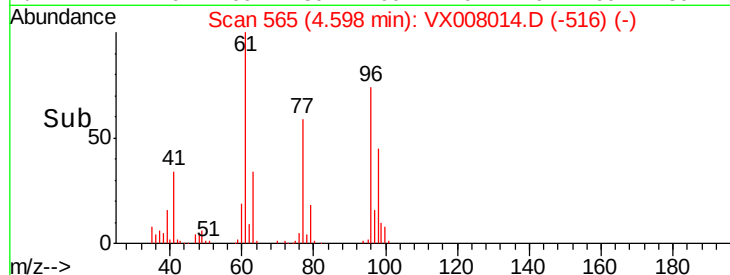
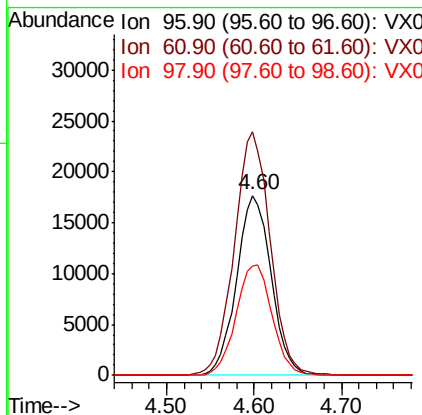
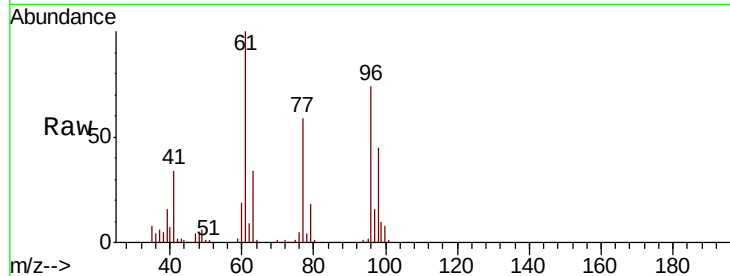
cis-1,2-Dichloroethene
Concen: 18.176 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	48621		
61	140.5	0.0	288.0	
98	63.8	0.0	129.0	

Manual Integrations
APPROVED

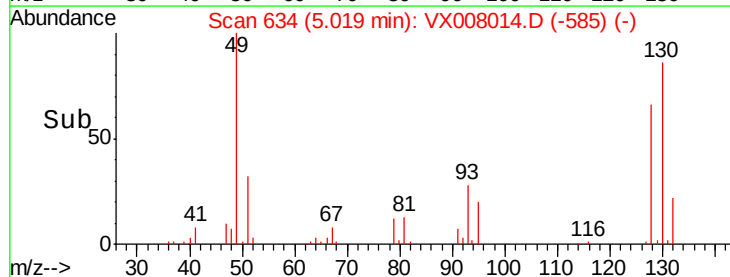
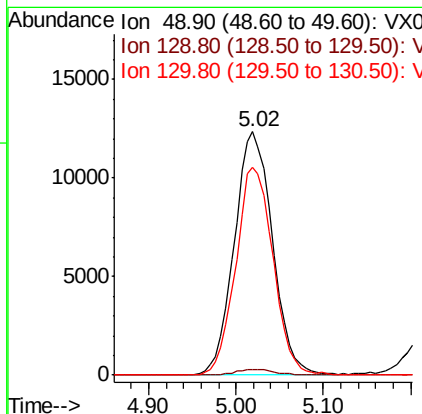
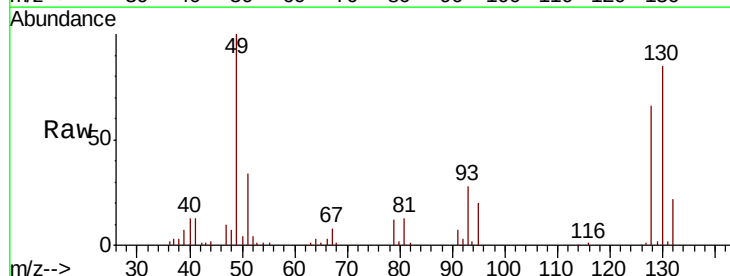
MMDadoda
3/13/2019 10:13:58 AM

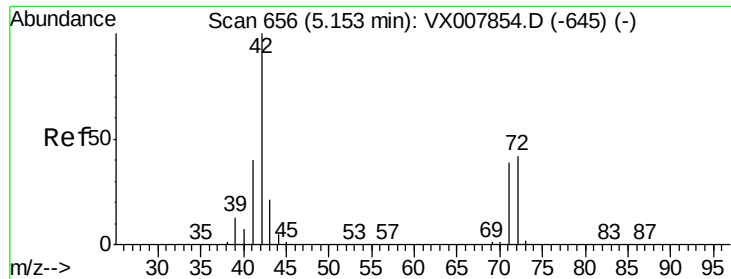


#28

Bromochloromethane
Concen: 18.277 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	37527		
129	2.2	0.0	4.0	
130	83.2	65.0	97.4	





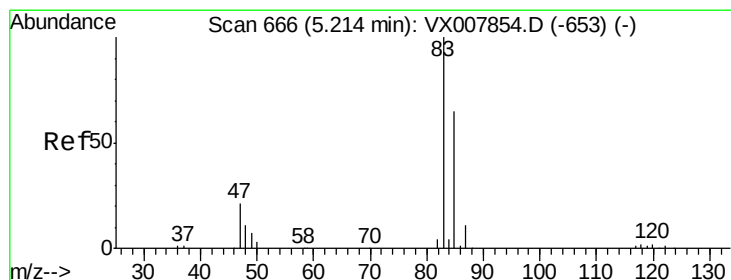
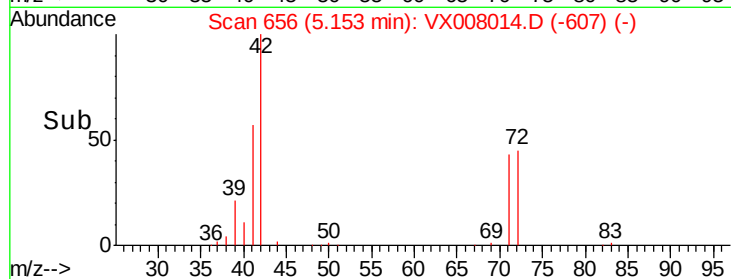
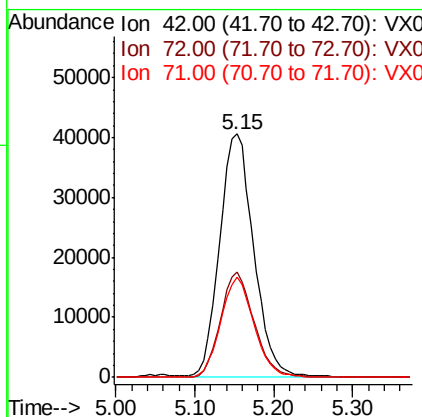
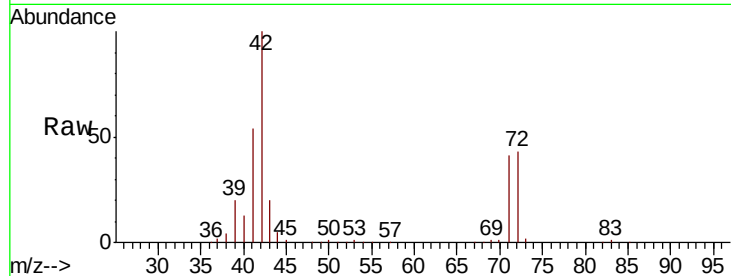
#29
Tetrahydrofuran
Concen: 90.295 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.8	33.8	50.6
71	40.3	31.5	47.3

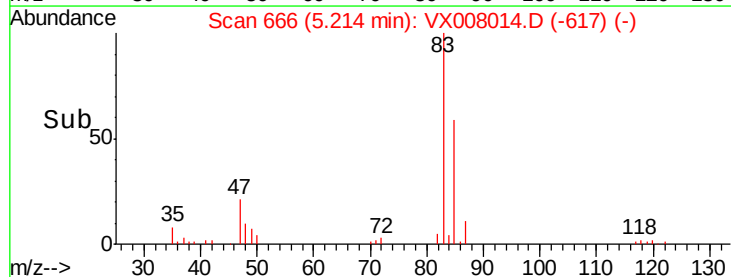
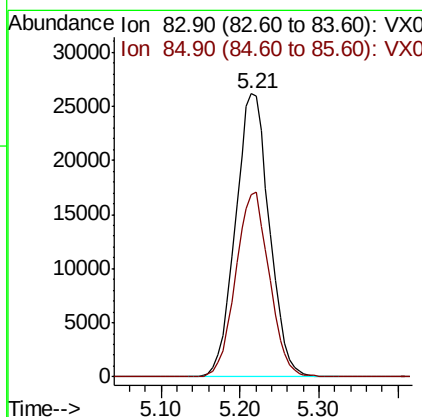
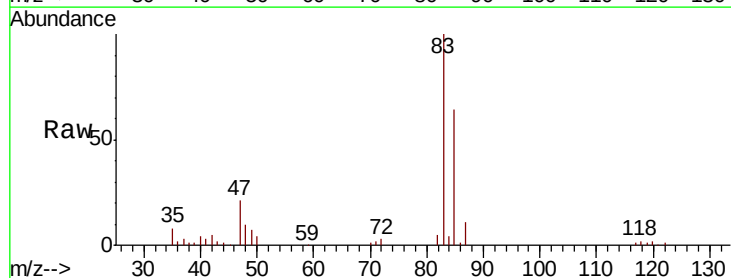
Manual Integrations
APPROVED

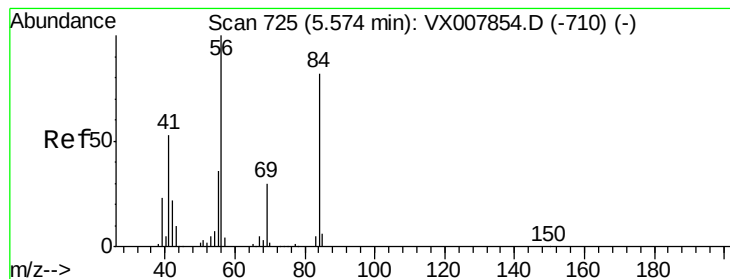
MMDadoda
3/13/2019 10:13:58 AM



#30
Chloroform
Concen: 18.744 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.6





#31

Cyclohexane

Concen: 17.921 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBS02

Tgt Ion: 56 Resp: 72538

Ion Ratio Lower Upper

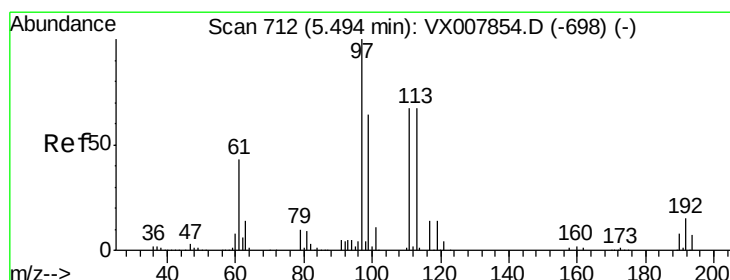
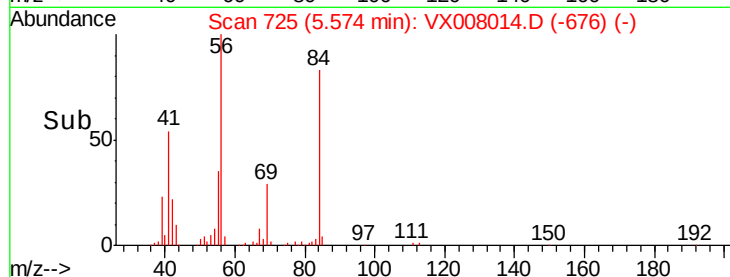
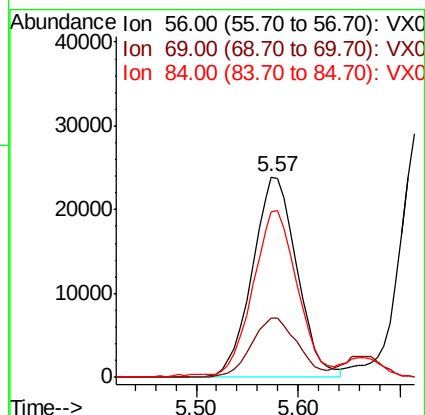
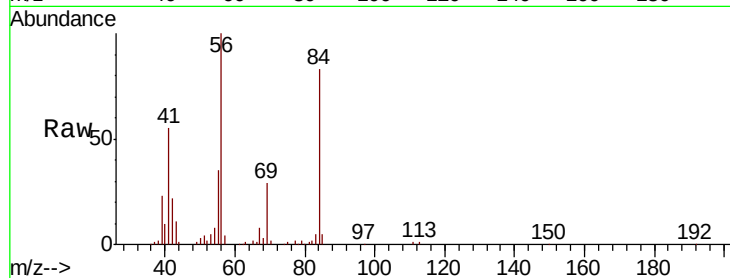
56 100

69 29.4 24.0 36.0

84 81.7 65.3 97.9

Manual Integrations
APPROVED

MMDadoda
3/13/2019 10:13:58 AM



#32

1,1,1-Trichloroethane

Concen: 18.571 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

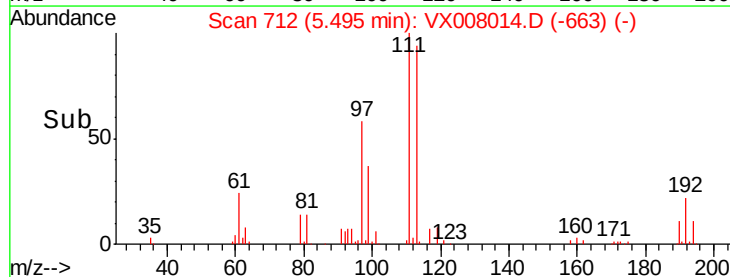
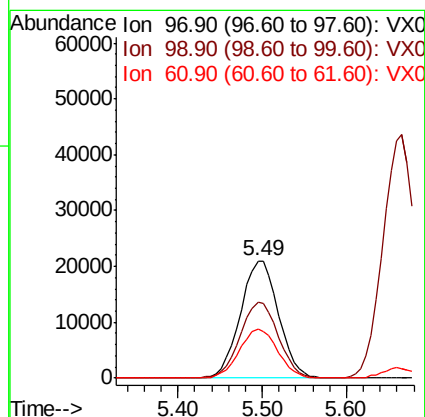
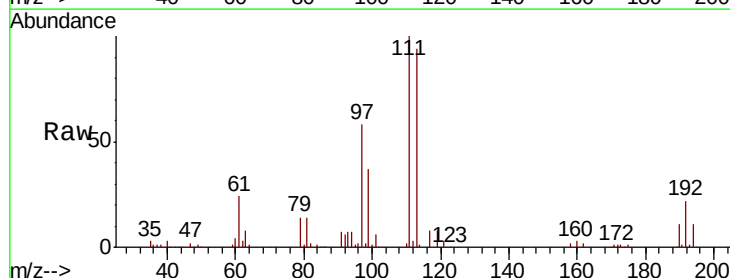
Tgt Ion: 97 Resp: 64192

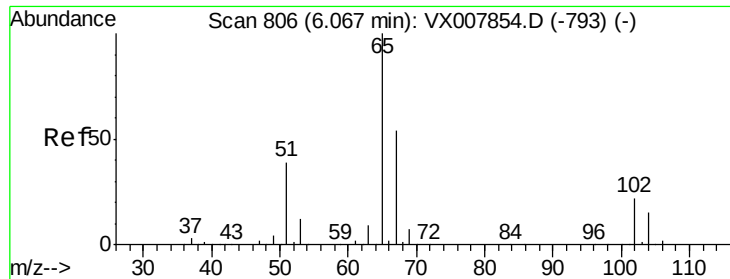
Ion Ratio Lower Upper

97 100

99 65.1 52.2 78.2

61 42.0 34.9 52.3





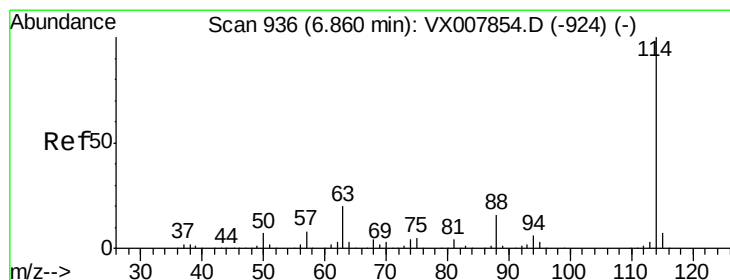
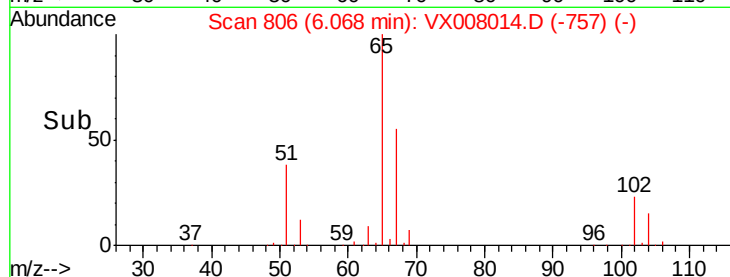
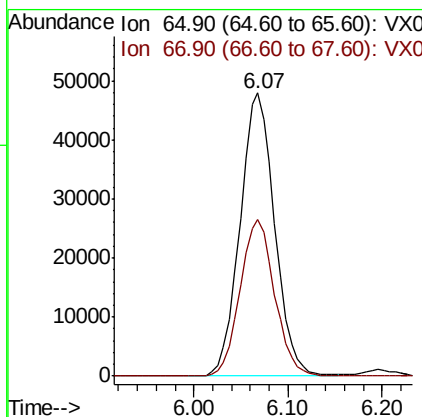
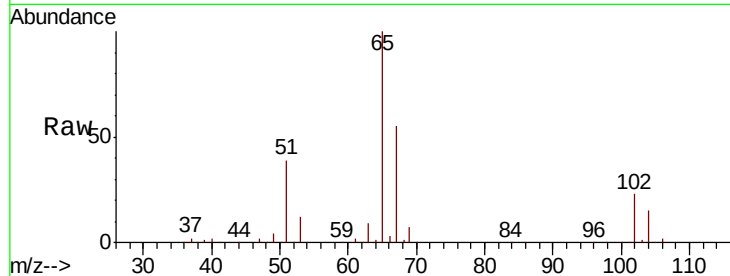
#33
 1,2-Dichloroethane-d4
 Concen: 46.669 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Instrument :
 MSVOA_X
 ClientSampled :
 VX0312WBS02

Tgt Ion: 65 Resp: 122935
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.0

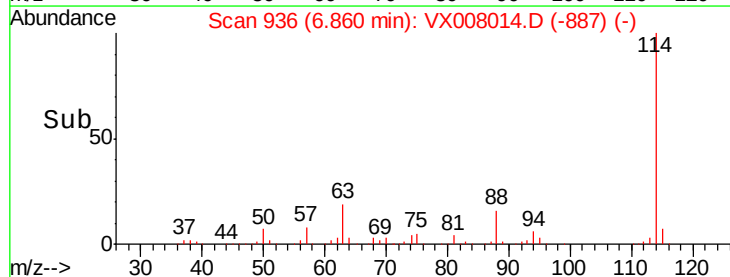
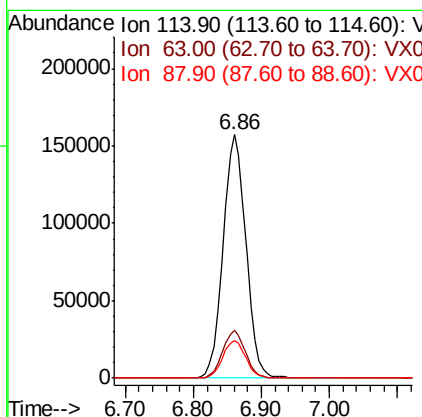
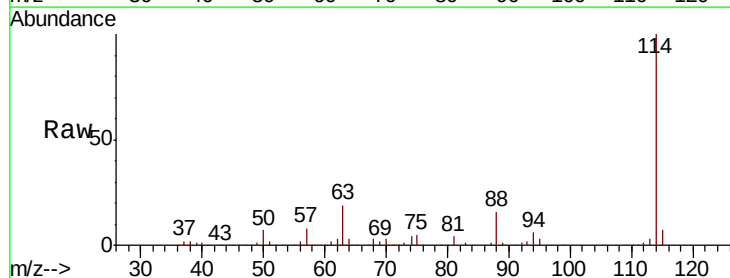
Manual Integrations
 APPROVED

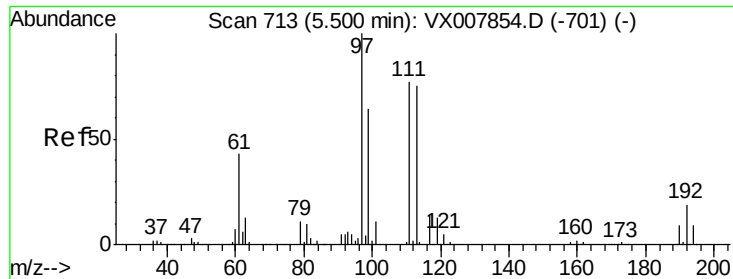
MMDadoda
 3/13/2019 10:13:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Tgt Ion: 114 Resp: 365481
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.6 0.0 31.4





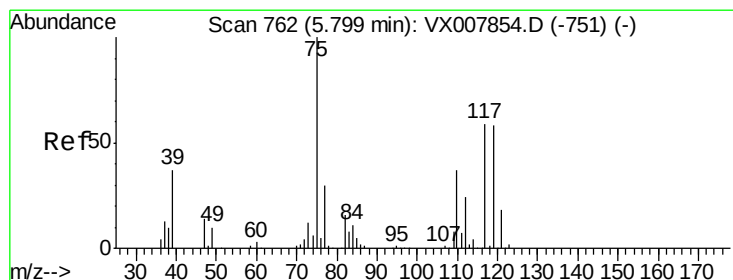
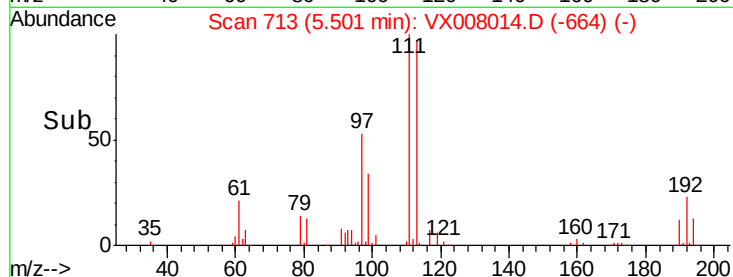
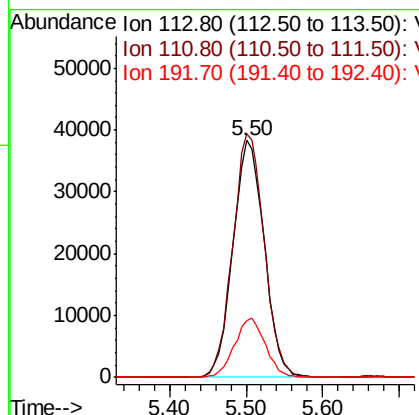
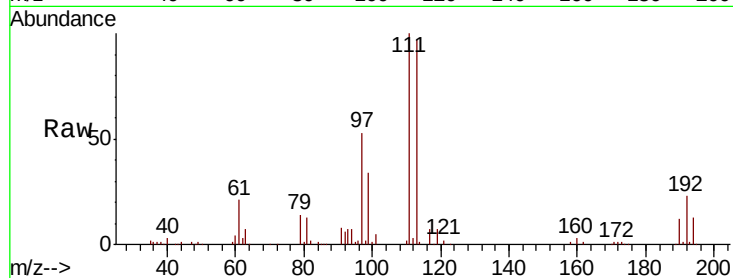
#35
 Dibromofluoromethane
 Concen: 46.410 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	108500		
111	103.2	81.4	122.0	
192	24.6	19.4	29.0	

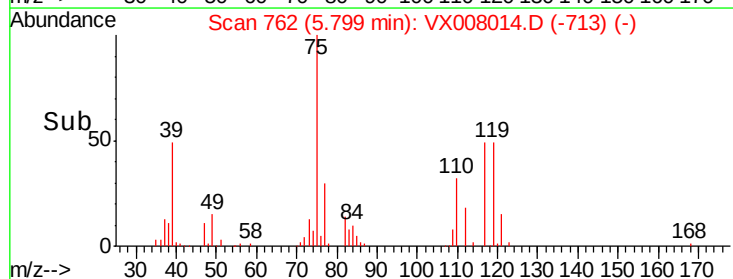
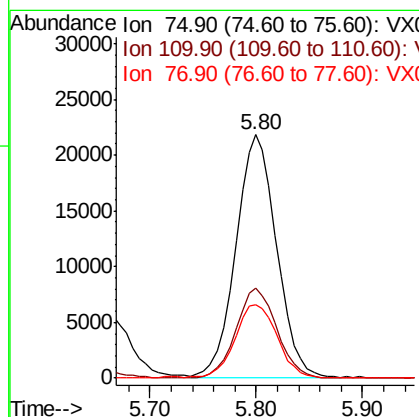
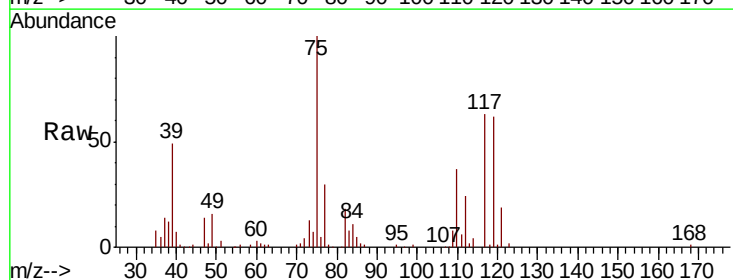
Manual Integrations
 APPROVED

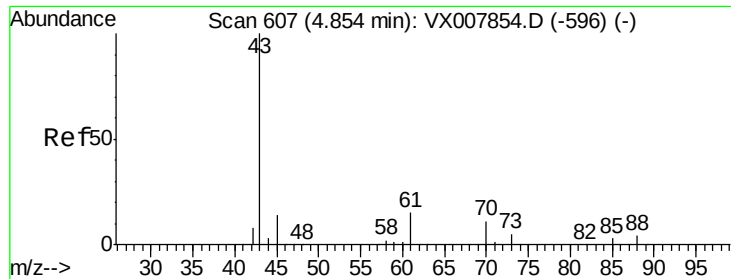
MMDadoda
 3/13/2019 10:13:58 AM



#36
 1,1-Dichloropropene
 Concen: 17.440 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	57714		
110	37.5	18.4	55.0	
77	31.9	25.0	37.4	





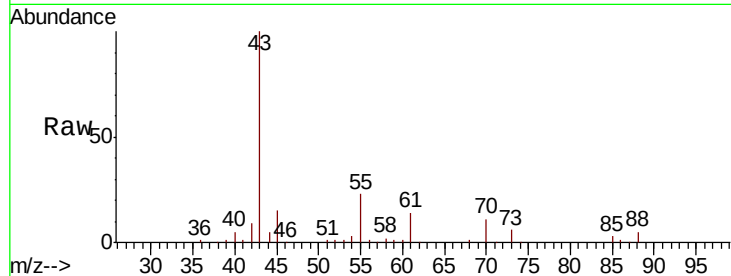
#37
Ethyl Acetate
Concen: 17.182 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS02

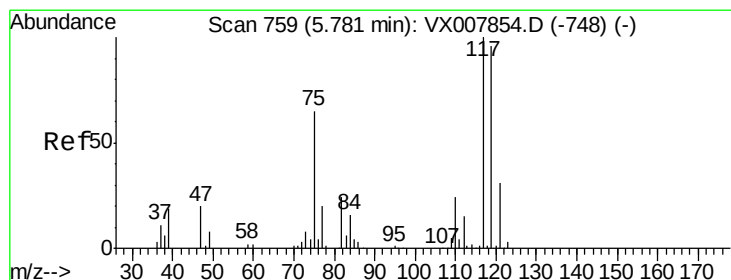
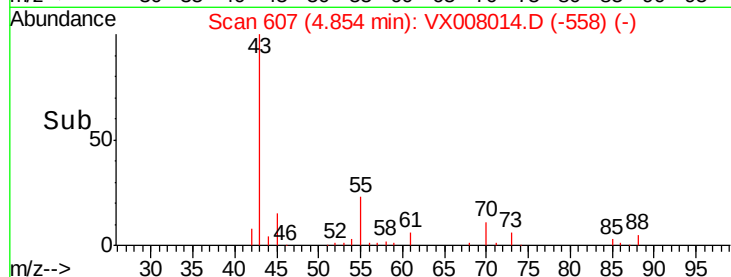
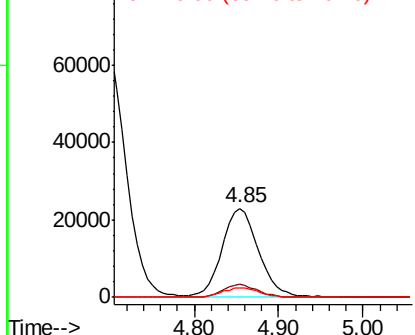
Tgt Ion: 43 Resp: 67477
Ion Ratio Lower Upper
43 100
61 14.5 11.3 16.9
70 11.1 8.5 12.7

Manual Integrations
APPROVED

MMDadoda
3/13/2019 10:13:58 AM

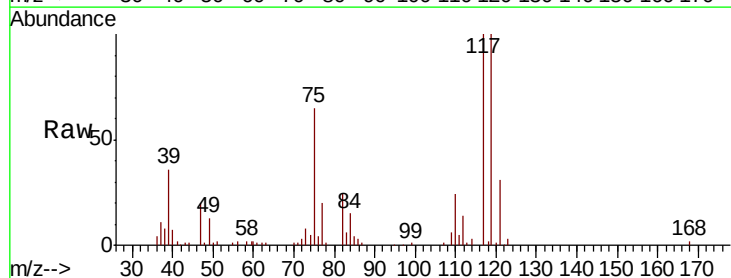


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

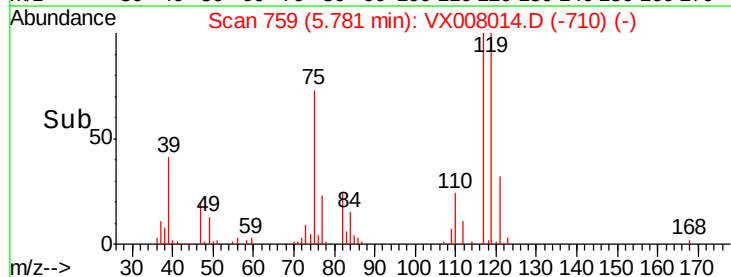
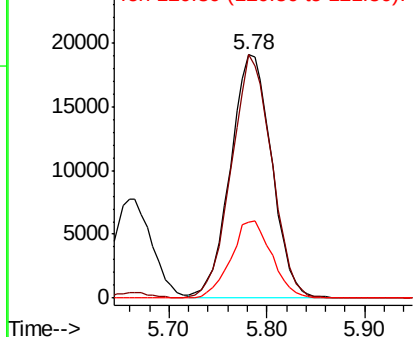


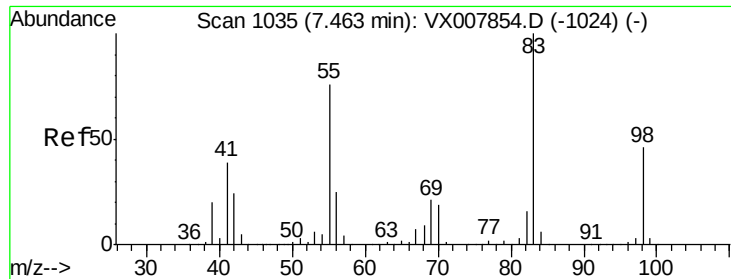
#38
Carbon Tetrachloride
Concen: 17.825 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Tgt Ion: 117 Resp: 56004
Ion Ratio Lower Upper
117 100
119 99.9 76.2 114.2
121 31.3 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





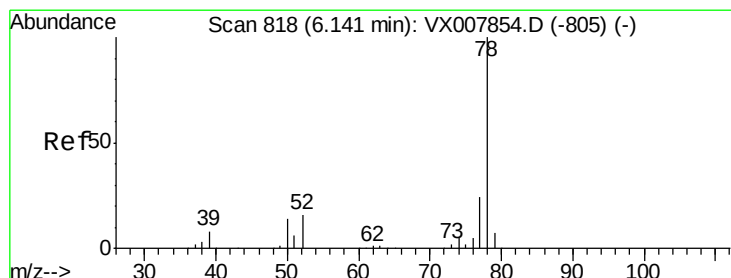
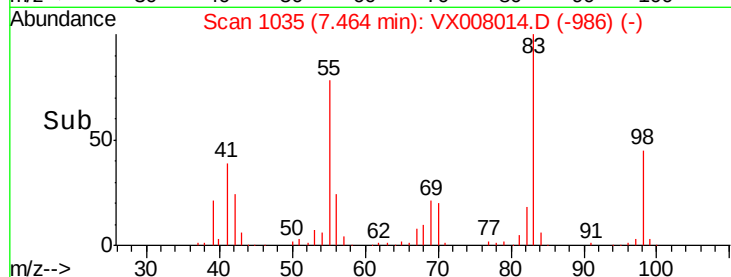
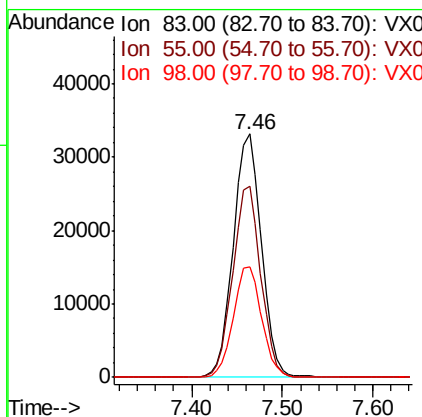
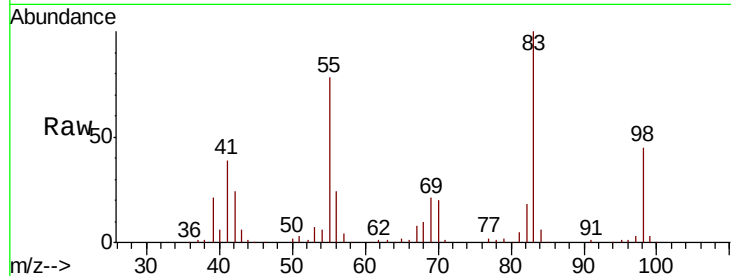
#39
Methylcyclohexane
Concen: 17.842 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Instrument :
MSVOA_X
ClientSampled :
VX0312WBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.3	60.4	90.6
98	45.2	36.5	54.7

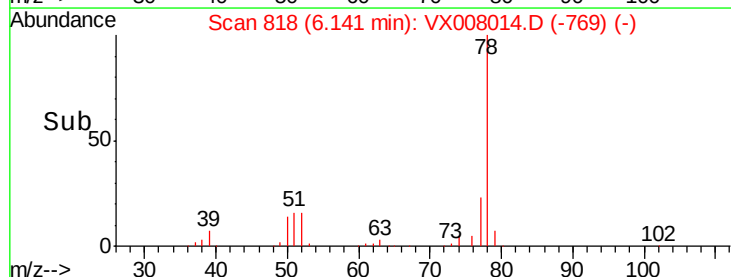
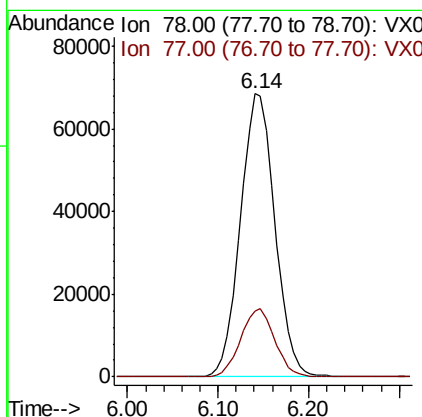
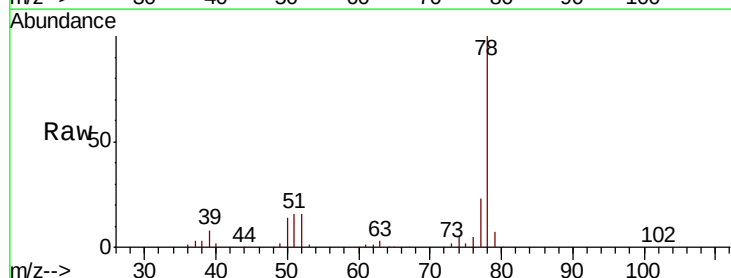
Manual Integrations
APPROVED

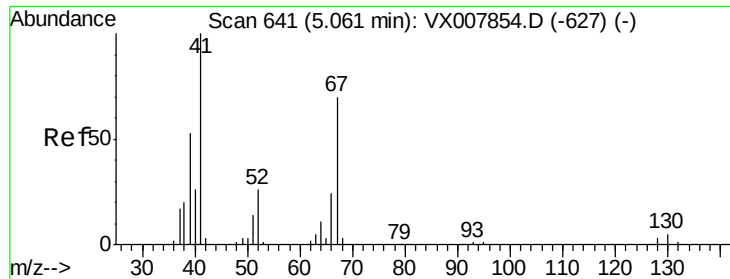
MMDadoda
3/13/2019 10:13:58 AM



#40
Benzene
Concen: 18.317 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4





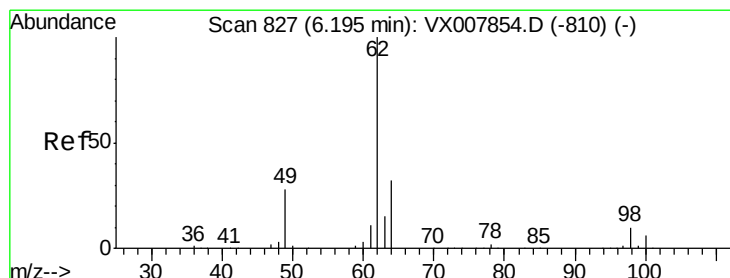
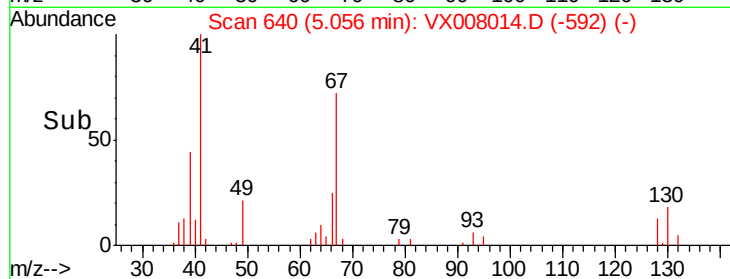
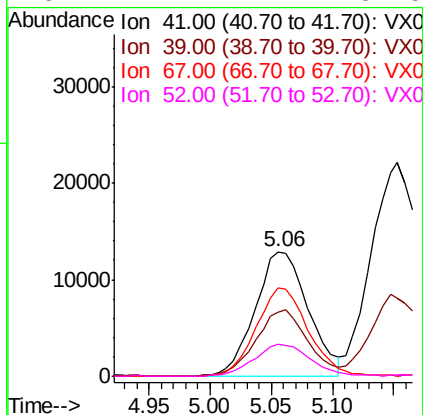
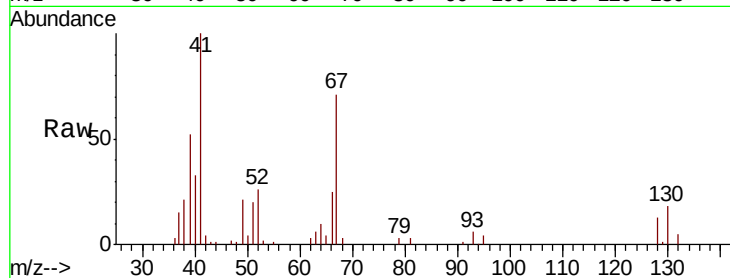
#41
Methacrylonitrile
Concen: 18.195 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS02

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.1	41.6	62.4	
67	69.9	55.8	83.6	
52	27.2	21.7	32.5	

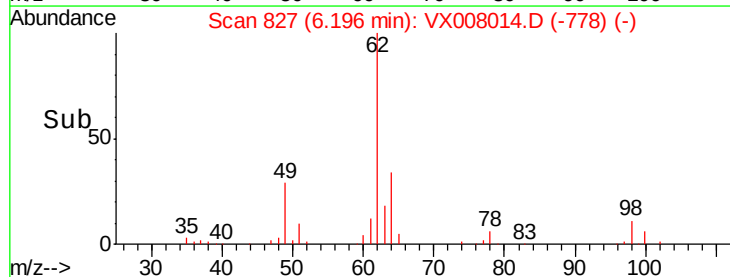
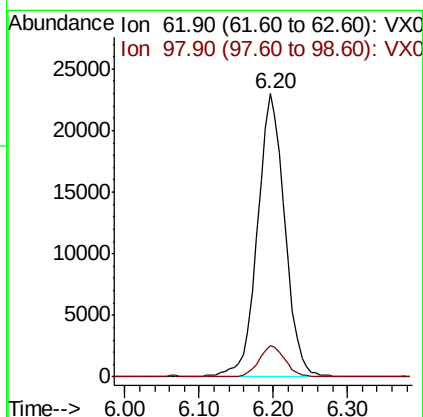
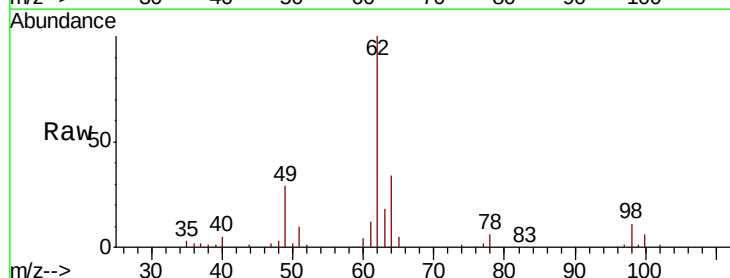
Manual Integrations
APPROVED

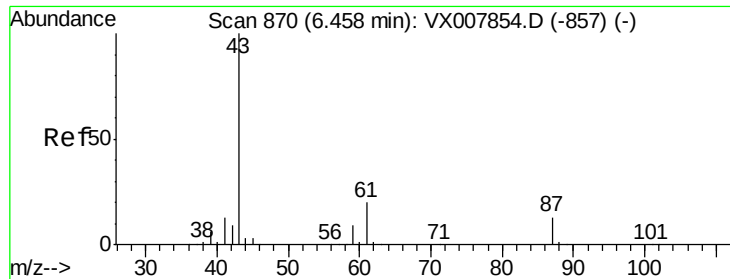
MMDadoda
3/13/2019 10:13:58 AM



#42
1,2-Dichloroethane
Concen: 18.373 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	0.0	20.4	





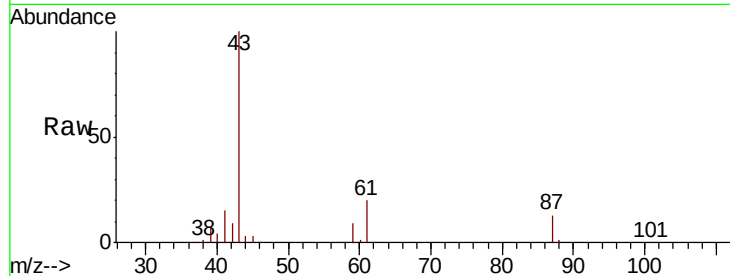
#43
Isopropyl Acetate
Concen: 17.930 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS02

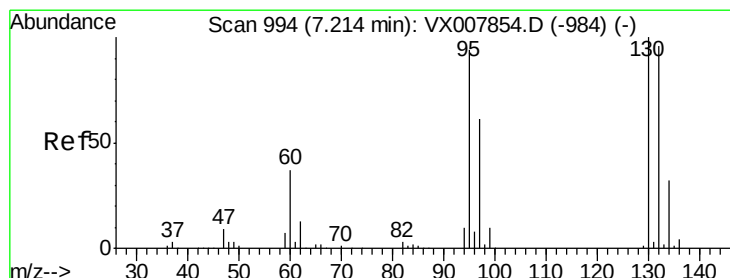
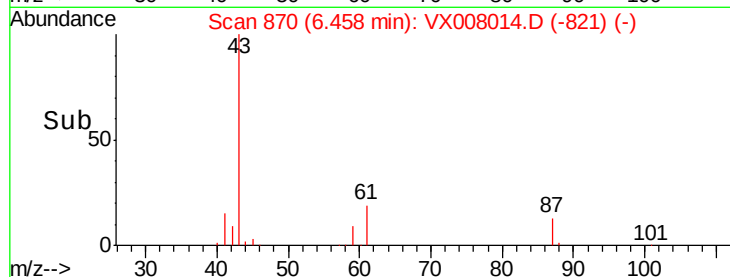
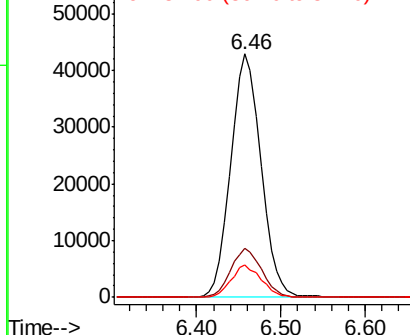
Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.3	24.5
87	13.2	10.5	15.7

Manual Integrations
APPROVED

MMDadoda
3/13/2019 10:13:58 AM

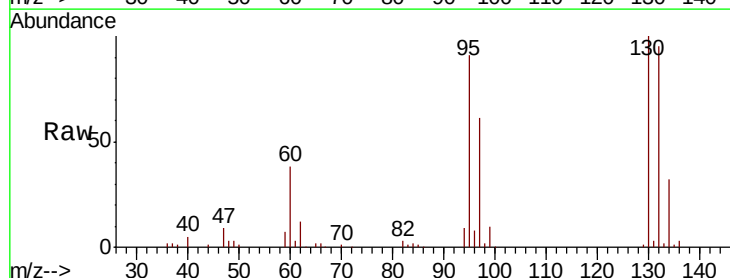


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0

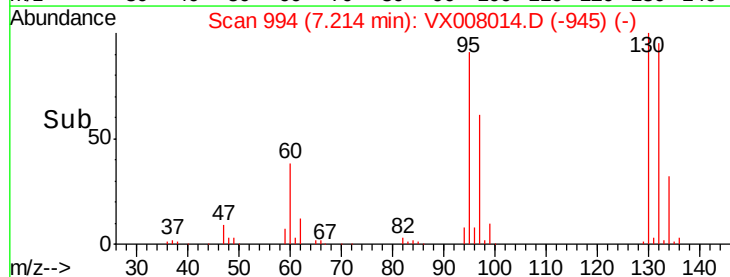
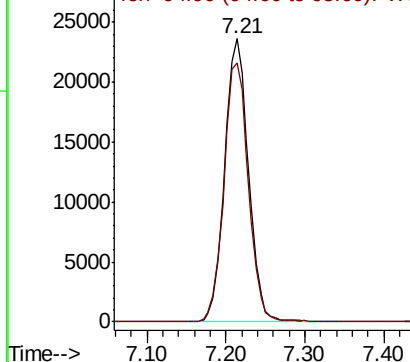


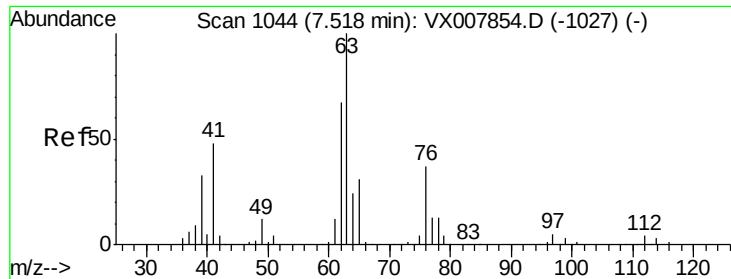
#44
Trichloroethene
Concen: 18.270 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





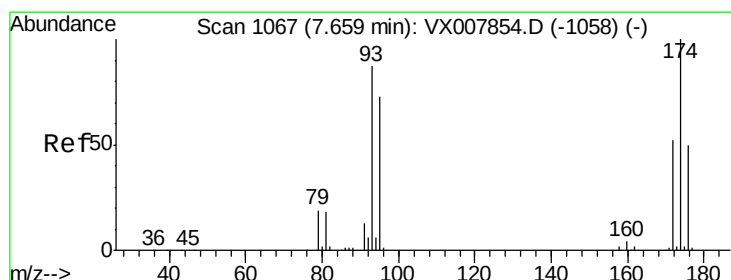
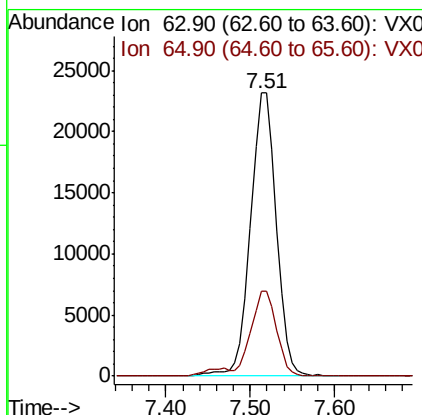
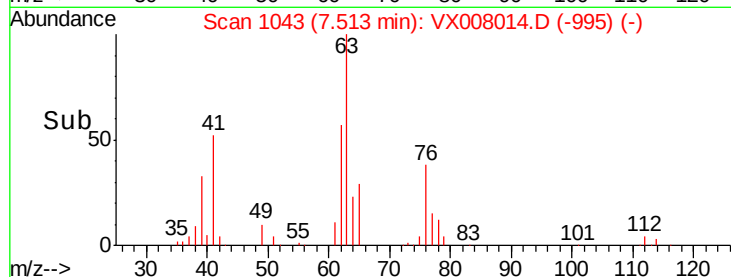
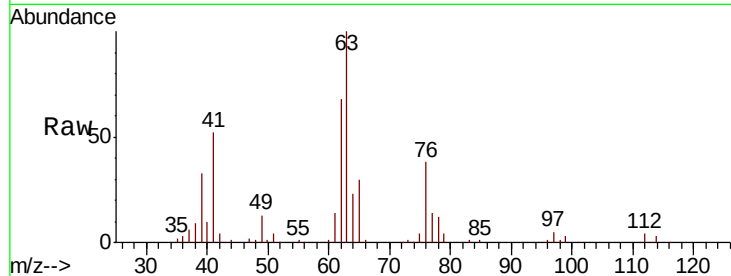
#45
 1,2-Dichloropropane
 Concen: 18.497 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBS02

Tgt Ion: 63 Resp: 48133
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.7 37.1

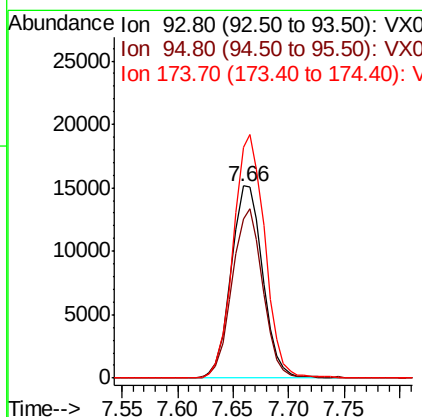
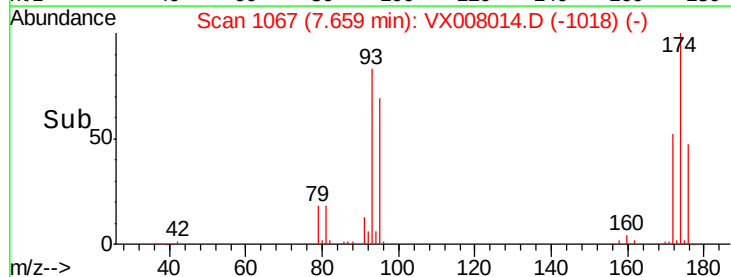
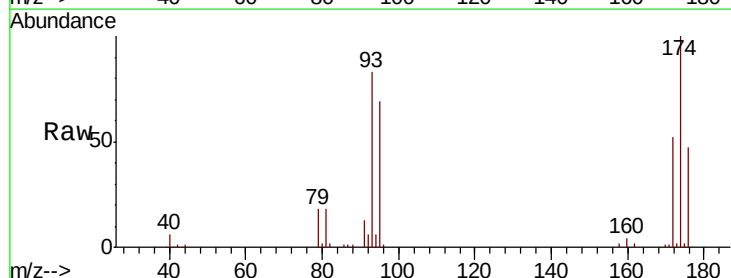
Manual Integrations
 APPROVED

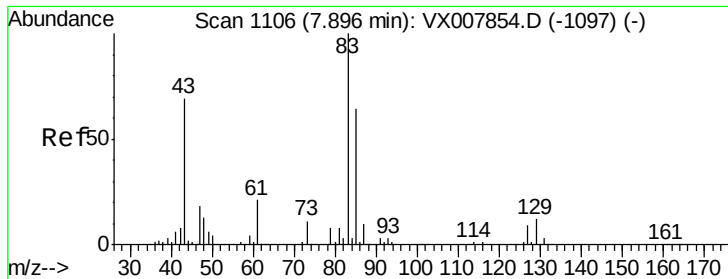
MMDadoda
 3/13/2019 10:13:58 AM



#46
 Dibromomethane
 Concen: 18.185 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Tgt Ion: 93 Resp: 29946
 Ion Ratio Lower Upper
 93 100
 95 85.4 66.8 100.2
 174 125.5 97.3 145.9





#47

Bromodichloromethane

Concen: 17.912 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

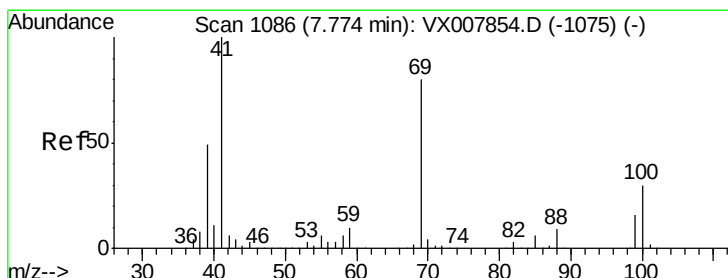
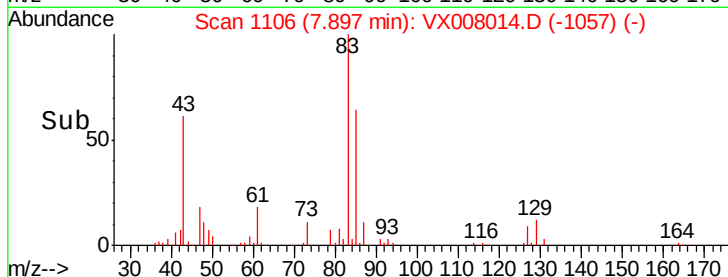
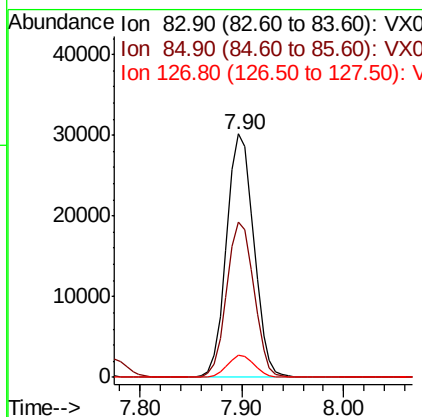
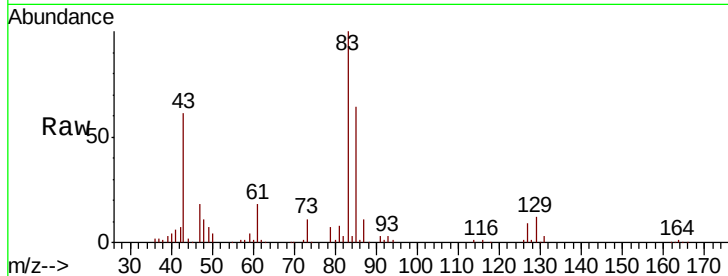
ClientSampleId :

VX0312WBS02

Tgt Ion:	83	Resp:	55926
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.9	76.3
127	9.2	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
3/13/2019 10:13:58 AM



#48

Methyl methacrylate

Concen: 17.960 ug/l

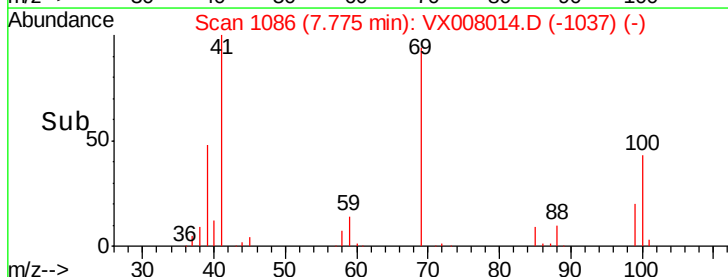
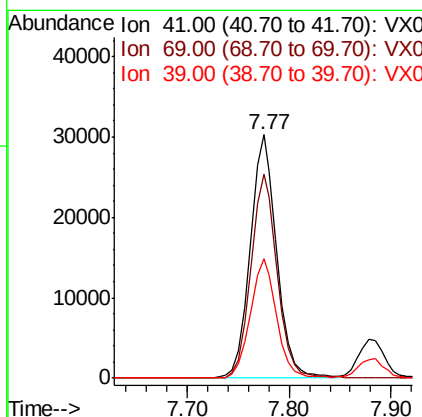
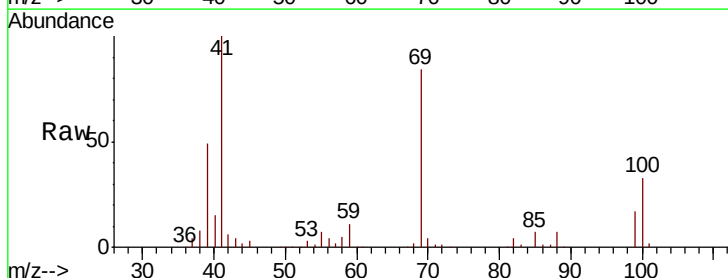
RT: 7.77 min Scan# 1086

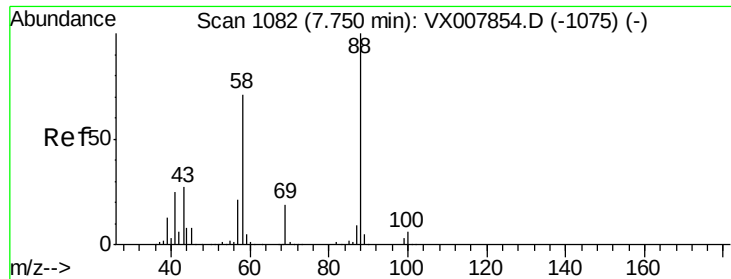
Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Tgt Ion:	41	Resp:	54883
Ion	Ratio	Lower	Upper
41	100		
69	83.2	65.2	97.8
39	48.5	39.4	59.2





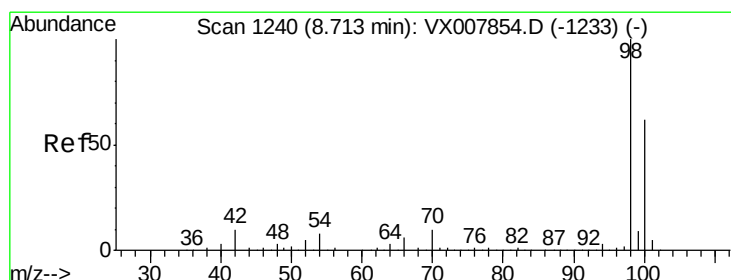
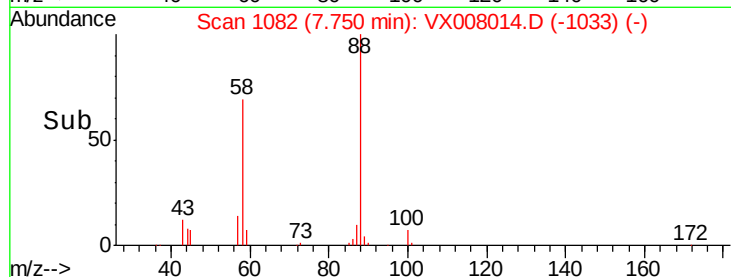
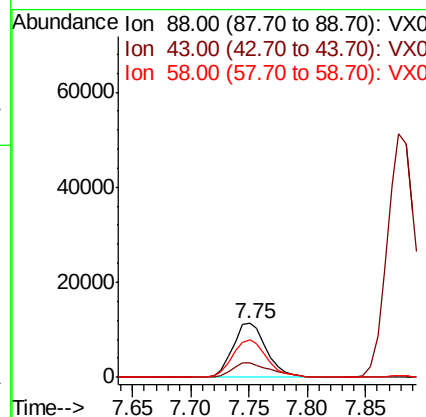
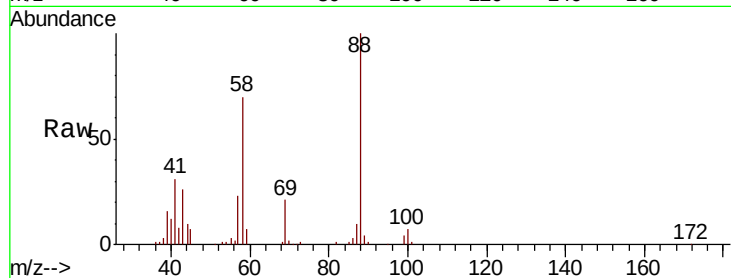
#49
1,4-Dioxane
Concen: 363.871 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.8	25.1	37.7
58	71.4	57.8	86.6

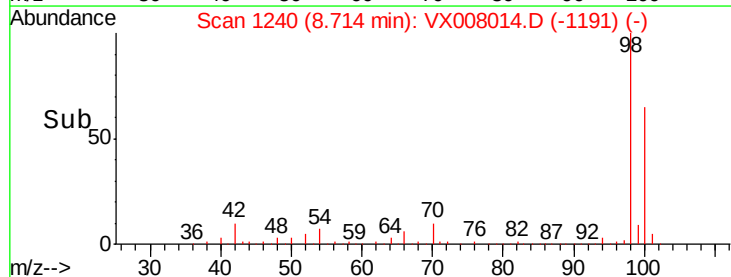
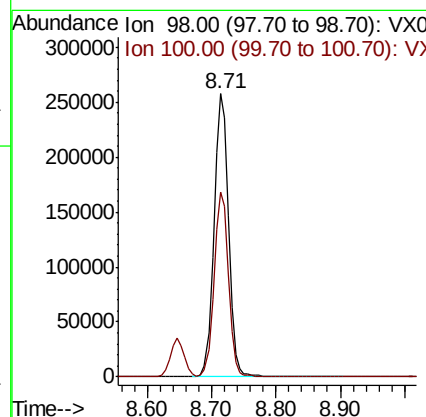
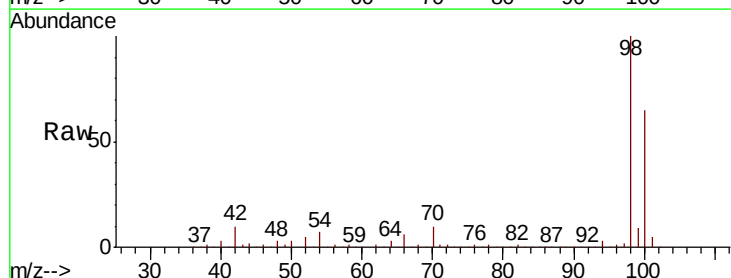
Manual Integrations
APPROVED

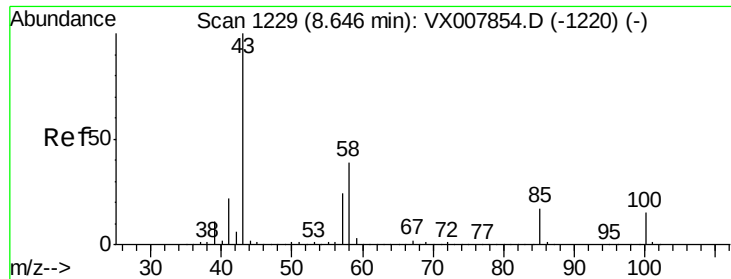
MMDadoda
3/13/2019 10:13:58 AM



#50
Toluene-d8
Concen: 47.509 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5





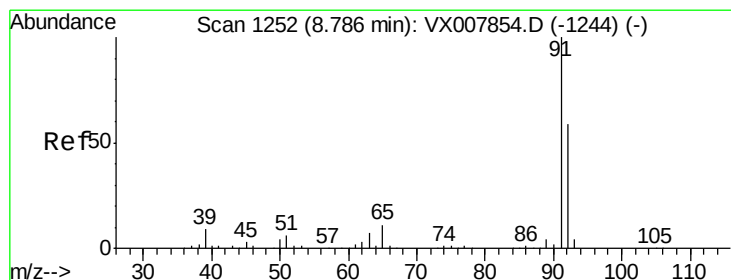
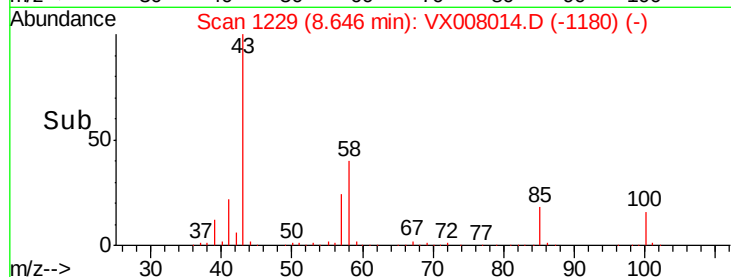
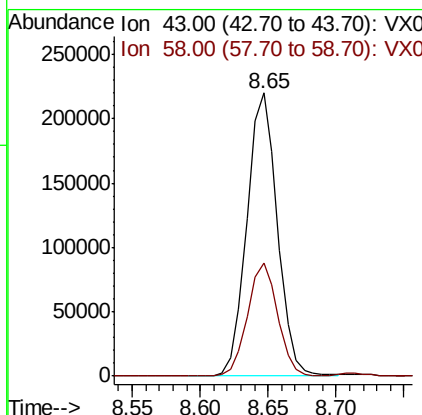
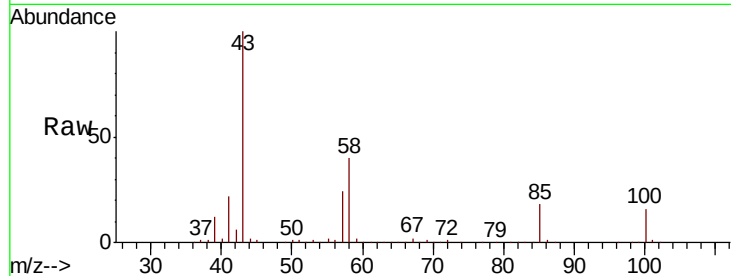
#51
 4-Methyl-2-Pentanone
 Concen: 92.586 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Instrument :
 MSVOA_X
 ClientSampled :
 VX0312WBS02

Tgt Ion: 43 Resp: 346066
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.3 46.9

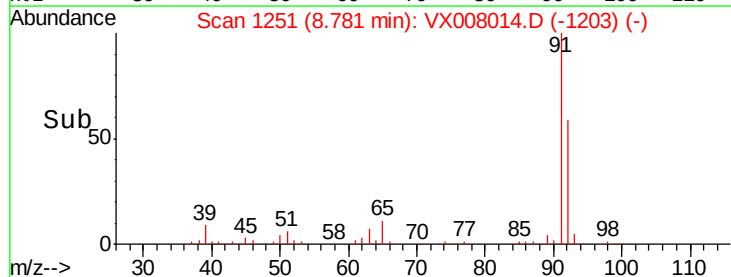
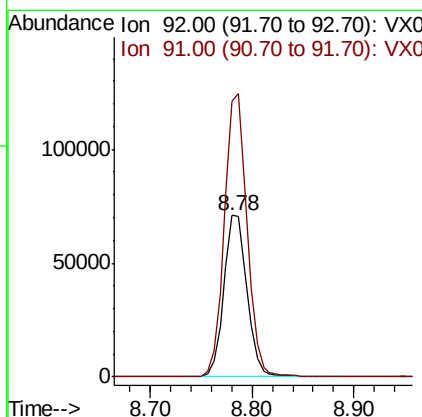
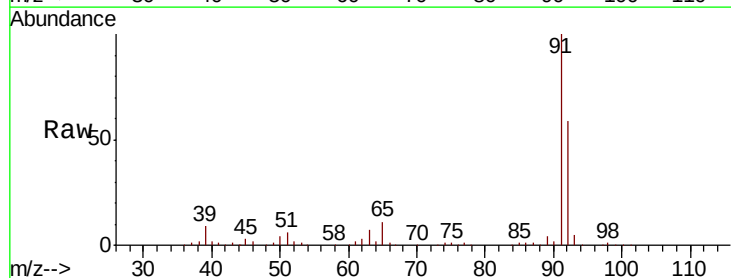
Manual Integrations
 APPROVED

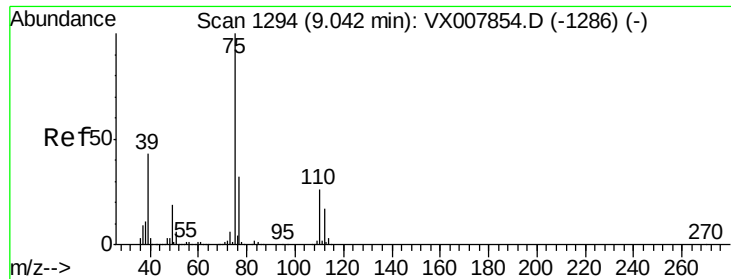
MMDadoda
 3/13/2019 10:13:58 AM



#52
 Toluene
 Concen: 18.615 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. -0.01 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Tgt Ion: 92 Resp: 111969
 Ion Ratio Lower Upper
 92 100
 91 172.3 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 18.224 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBS02

Tgt Ion: 75 Resp: 59386

Ion Ratio Lower Upper

75 100

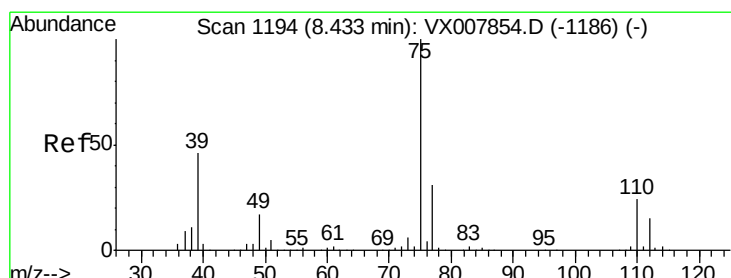
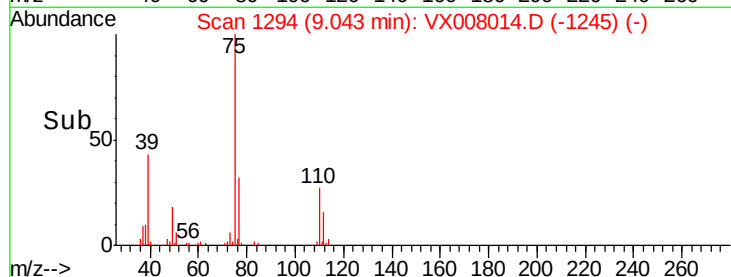
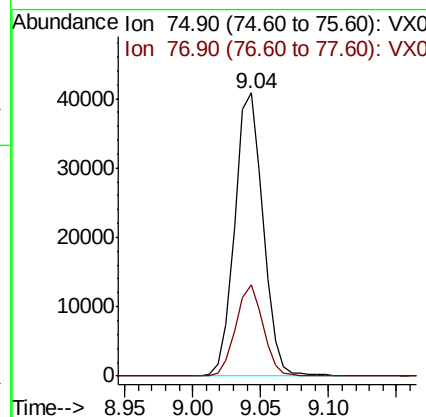
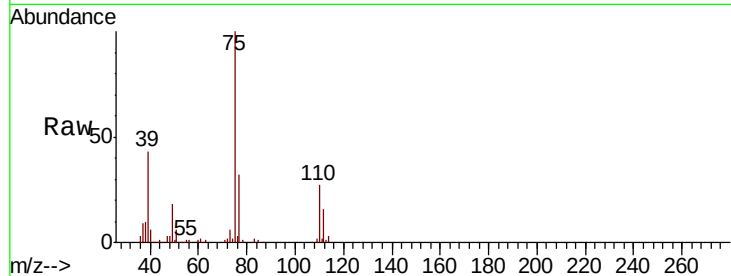
77 32.4 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

3/13/2019 10:13:58 AM



#54

cis-1,3-Dichloropropene

Concen: 18.298 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

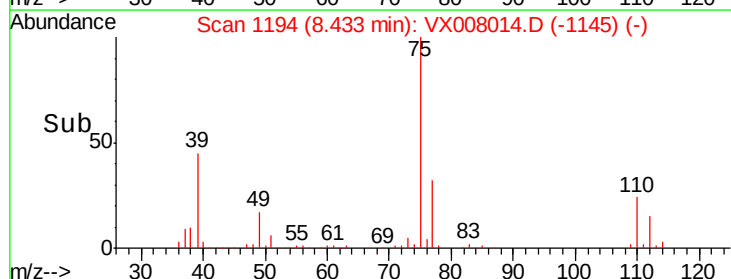
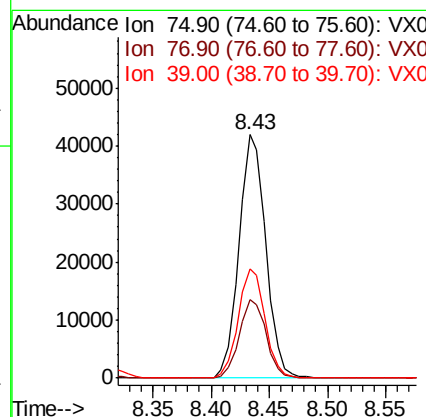
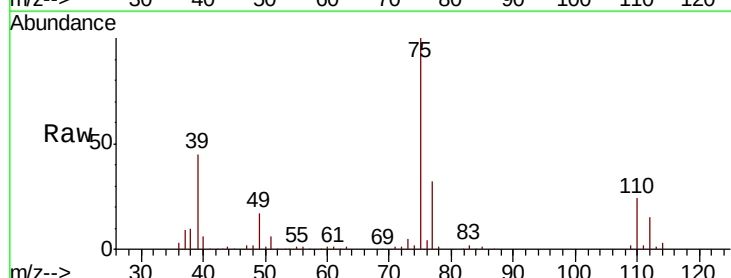
Tgt Ion: 75 Resp: 67337

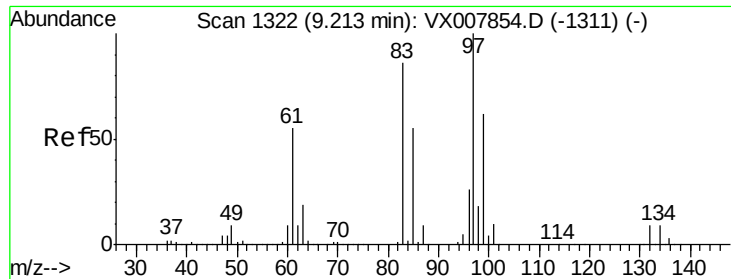
Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.6

39 44.5 36.6 54.8





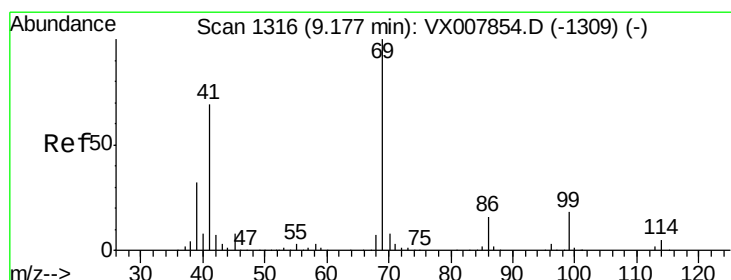
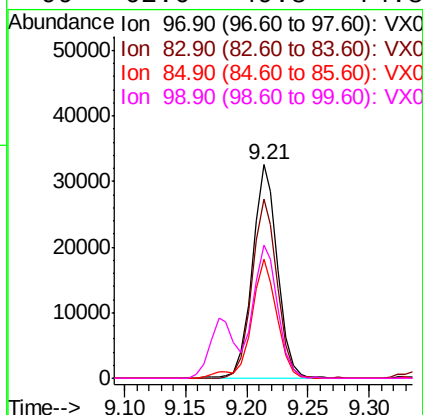
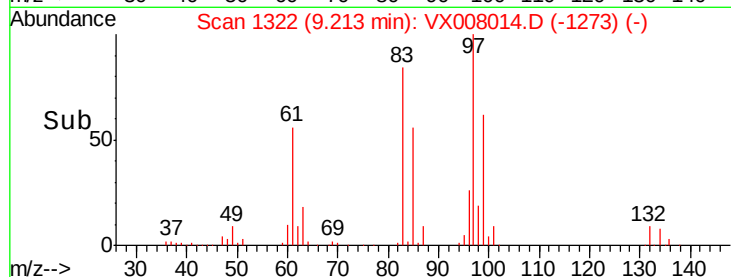
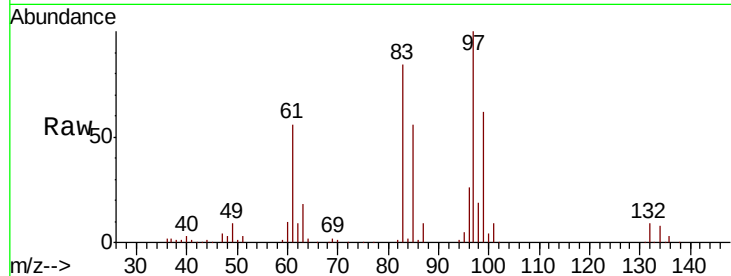
#55
 1,1,2-Trichloroethane
 Concen: 19.172 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.1	103.7
85	55.5	44.3	66.5
99	62.0	49.8	74.8

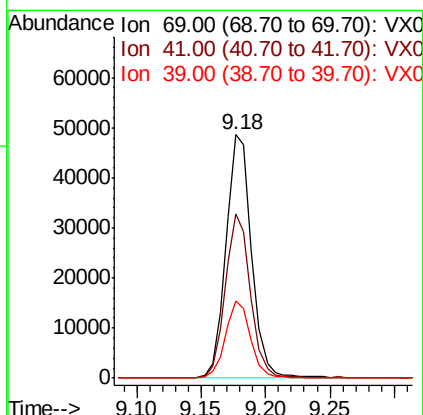
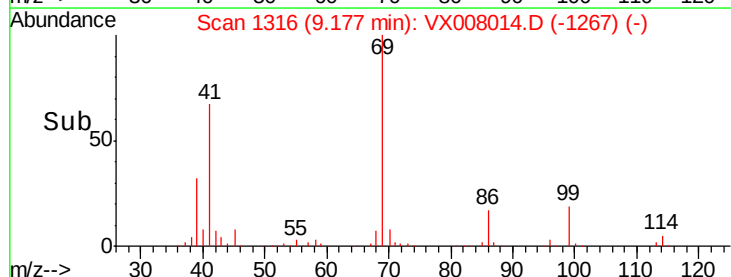
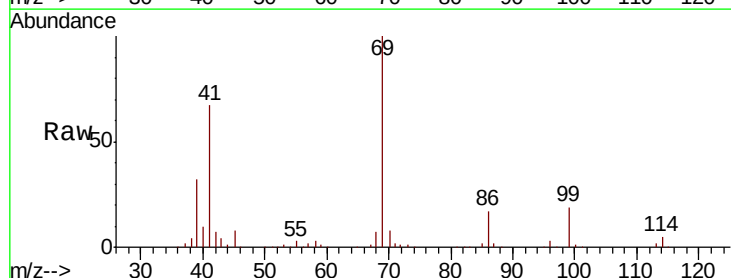
Manual Integrations
 APPROVED

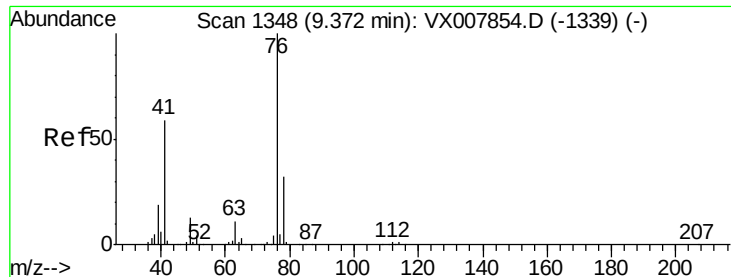
MMDadoda
 3/13/2019 10:13:58 AM



#56
 Ethyl methacrylate
 Concen: 18.592 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.7	54.2	81.4
39	31.7	25.0	37.4





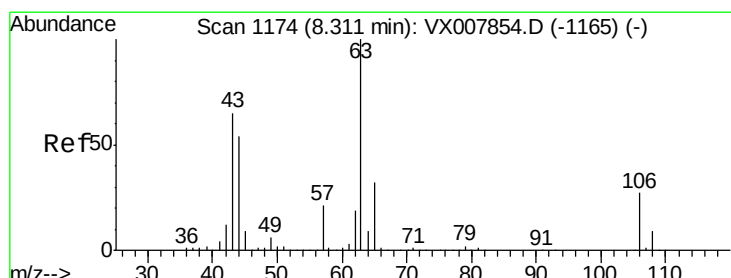
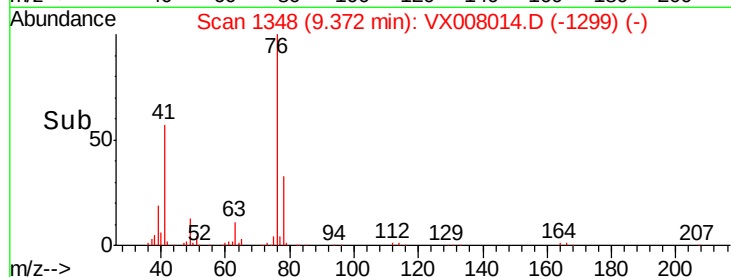
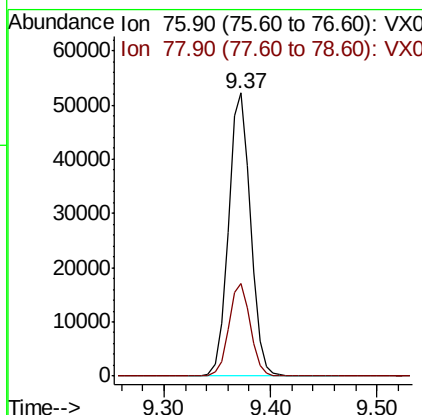
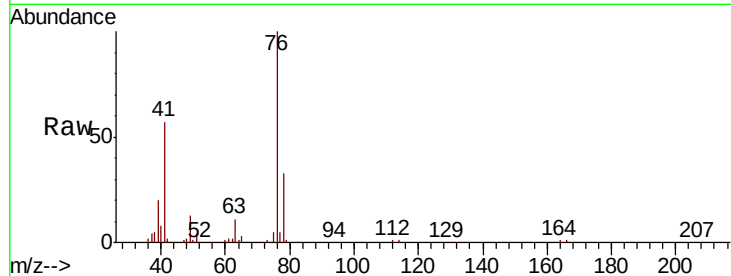
#57
 1,3-Dichloropropane
 Concen: 18.525 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBS02

Tgt Ion: 76 Resp: 75737
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3

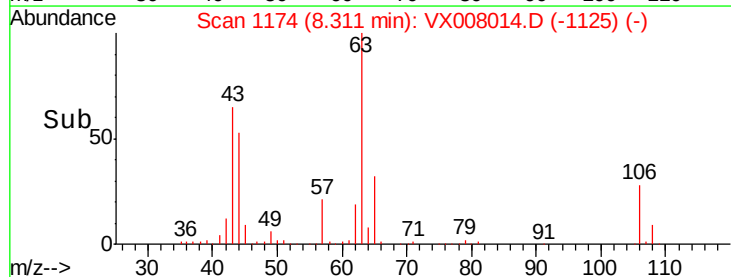
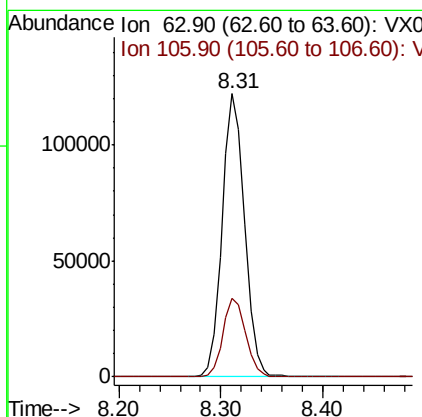
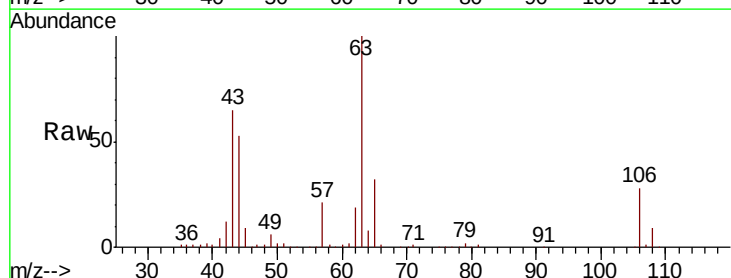
Manual Integrations
 APPROVED

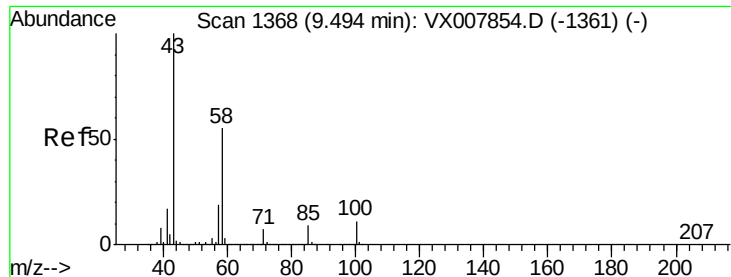
MMDadoda
 3/13/2019 10:13:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.086 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Tgt Ion: 63 Resp: 187384
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.2 33.2





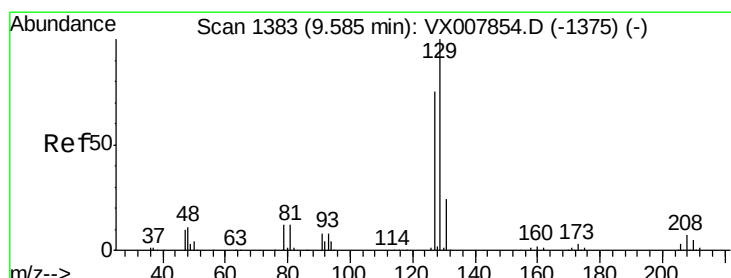
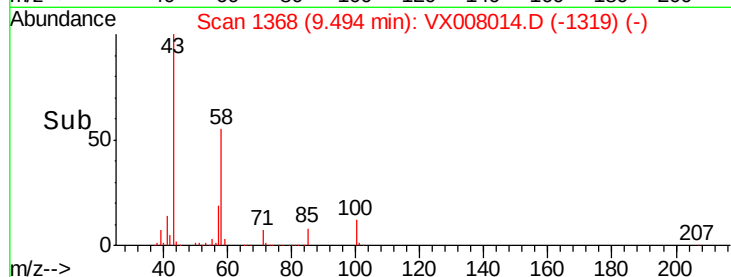
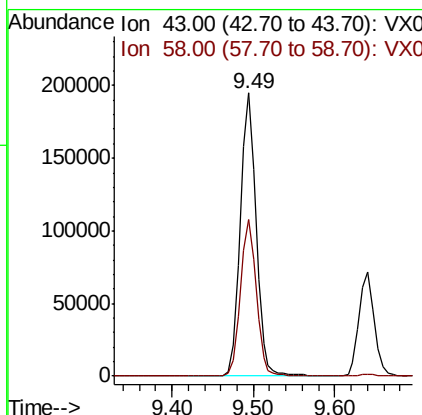
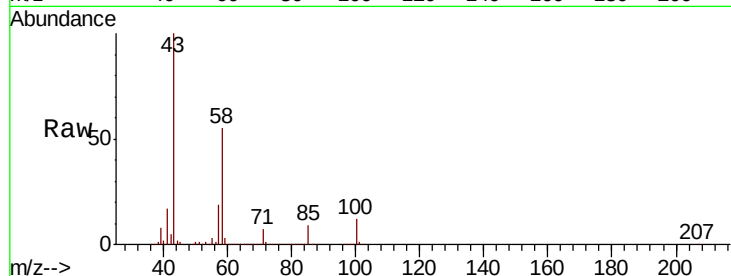
#59
2-Hexanone
Concen: 89.421 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS02

Tgt Ion: 43 Resp: 259494
Ion Ratio Lower Upper
43 100
58 55.3 27.6 82.7

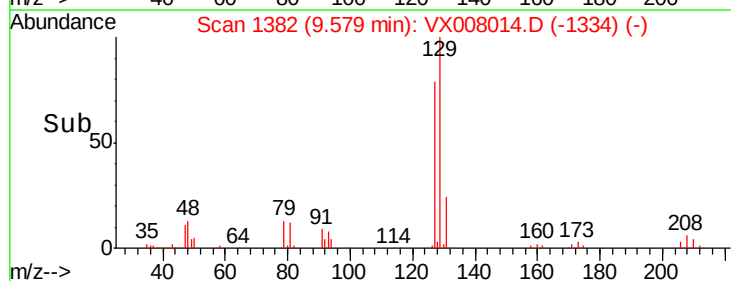
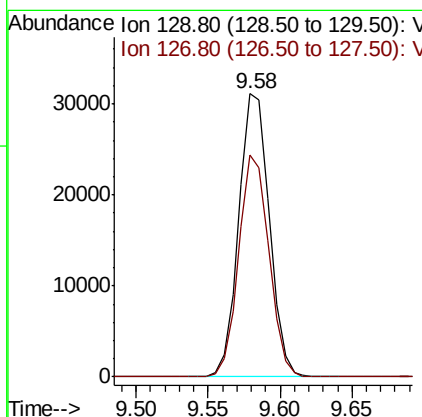
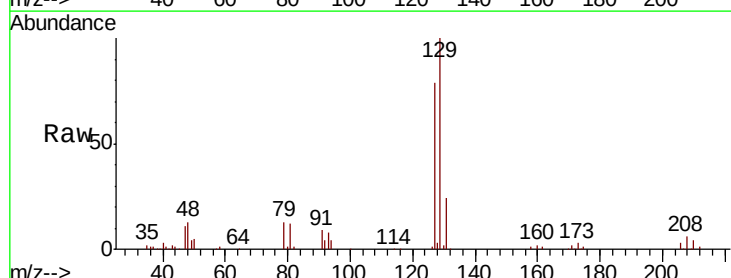
Manual Integrations
APPROVED

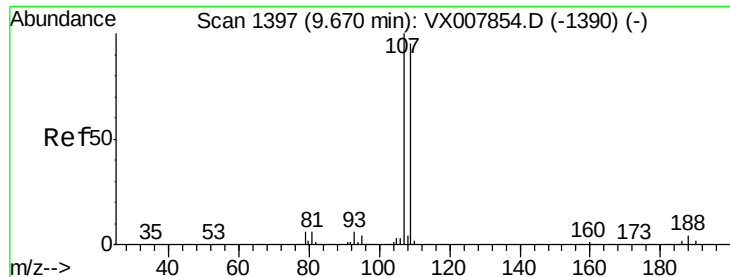
MMDadoda
3/13/2019 10:13:58 AM



#60
Dibromochloromethane
Concen: 18.047 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Tgt Ion: 129 Resp: 45931
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 18.617 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBS02

Tgt Ion: 107 Resp: 48128

Ion Ratio Lower Upper

107 100

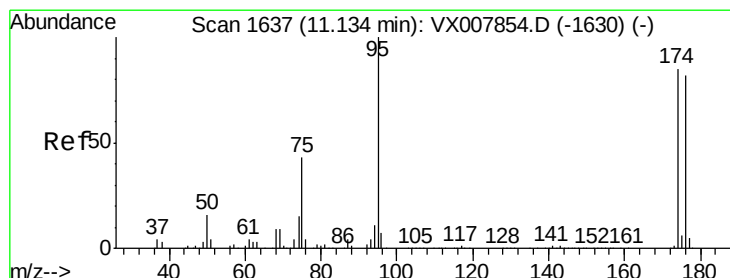
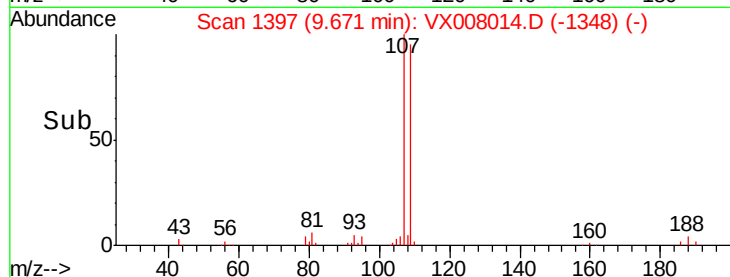
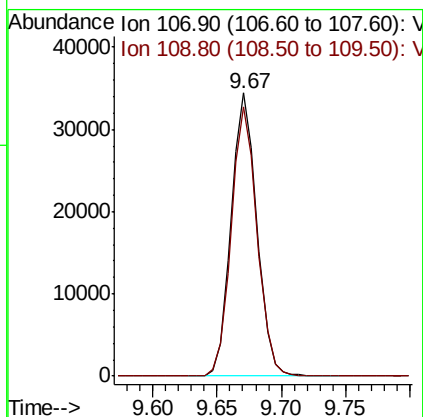
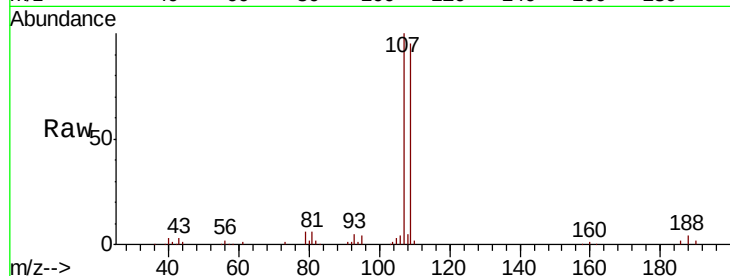
109 95.5 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

3/13/2019 10:13:58 AM



#62

4-Bromofluorobenzene

Concen: 47.524 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

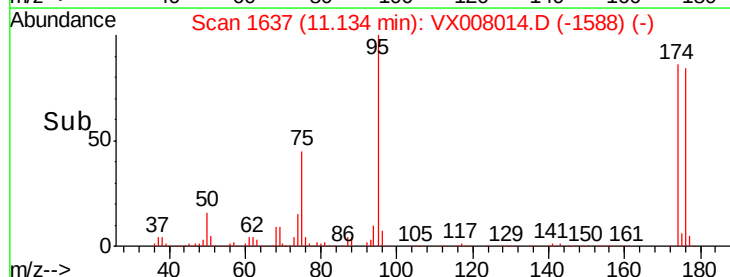
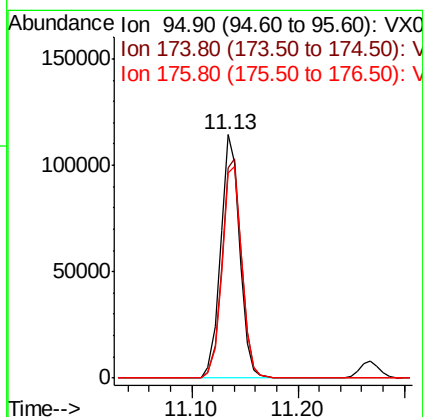
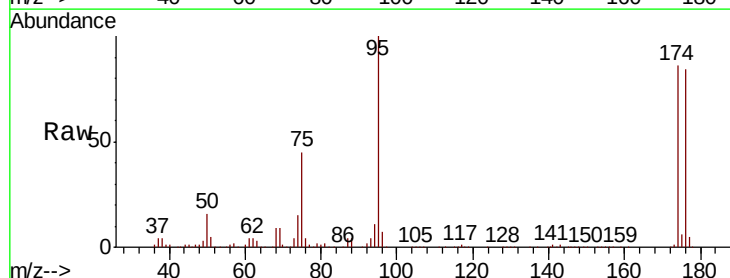
Tgt Ion: 95 Resp: 143058

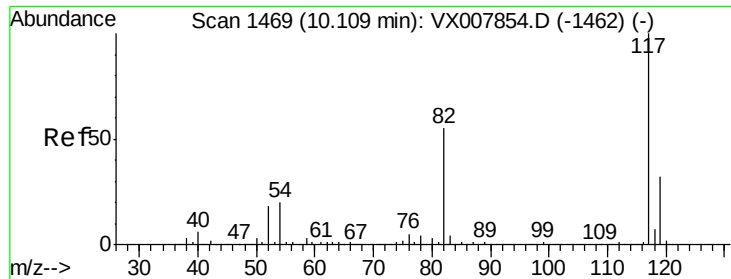
Ion Ratio Lower Upper

95 100

174 92.5 0.0 182.8

176 90.1 0.0 178.0





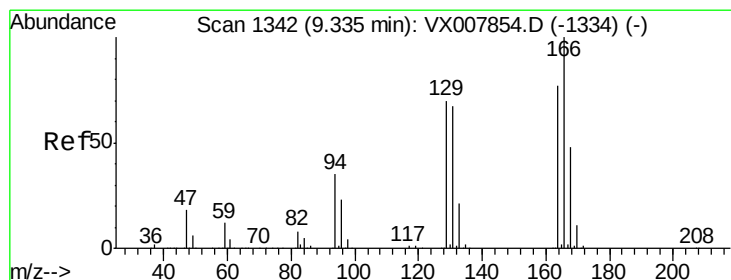
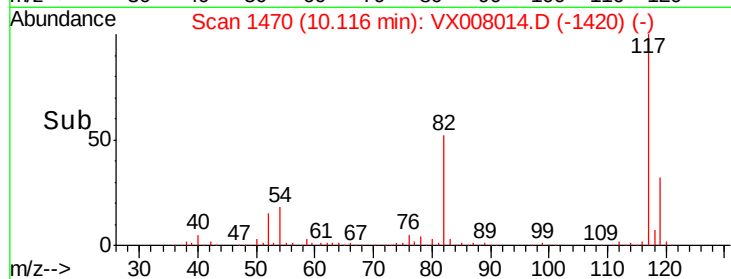
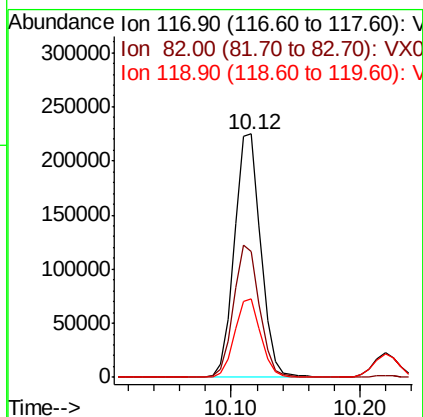
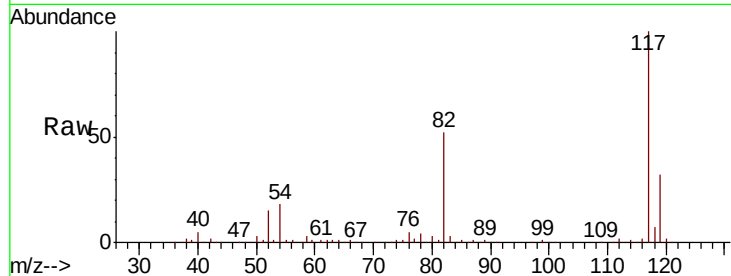
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	320815		
82	51.9	44.3	66.5	
119	32.3	25.3	37.9	

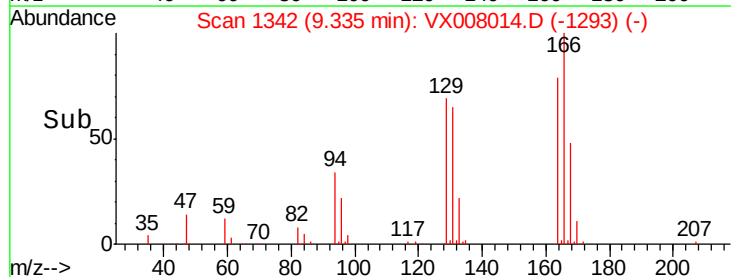
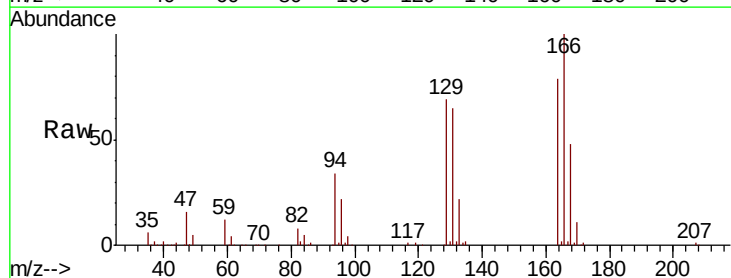
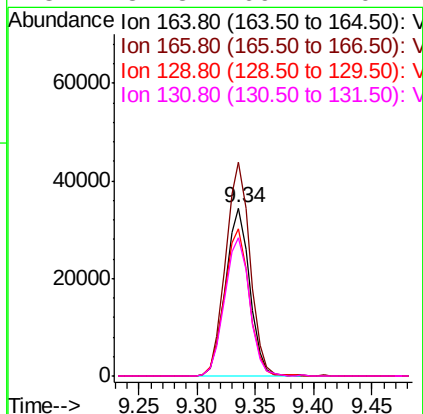
Manual Integrations
APPROVED

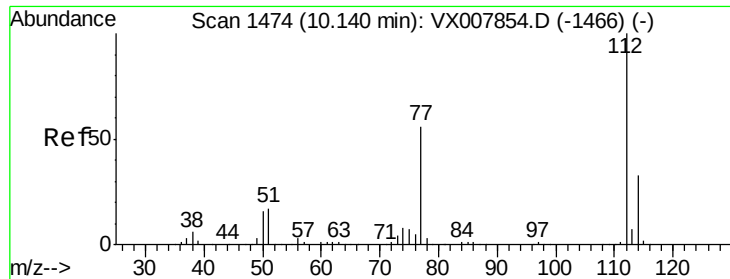
MMDadoda
3/13/2019 10:13:58 AM



#64
Tetrachloroethene
Concen: 18.706 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	49732		
166	127.0	103.4	155.0	
129	87.4	72.2	108.4	
131	82.3	69.4	104.2	





#65

Chlorobenzene

Concen: 18.428 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

ClientSampled :

VX0312WBS02

Tgt Ion:112 Resp: 123712

Ion Ratio Lower Upper

112 100

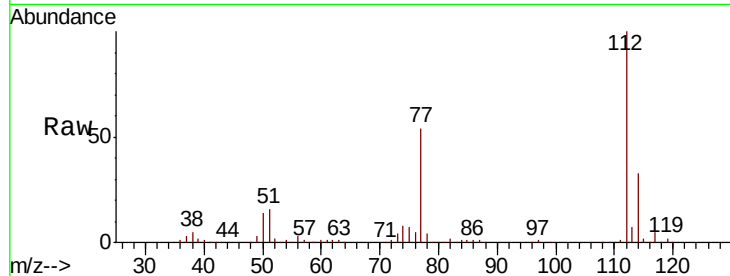
114 33.1 26.0 39.0

Manual Integrations

APPROVED

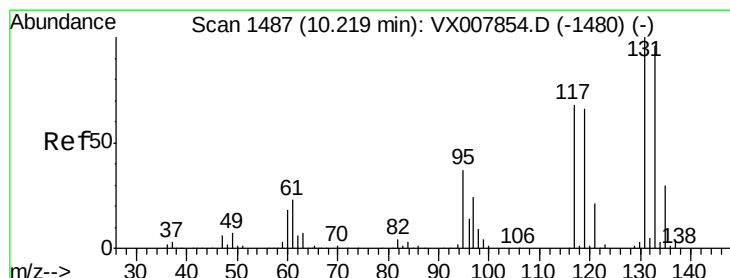
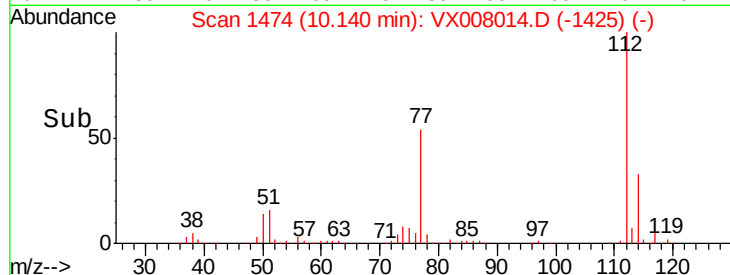
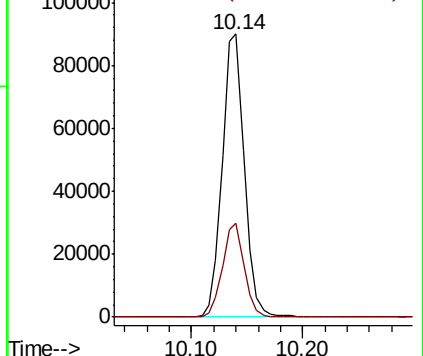
MMDadoda

3/13/2019 10:13:58 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.569 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

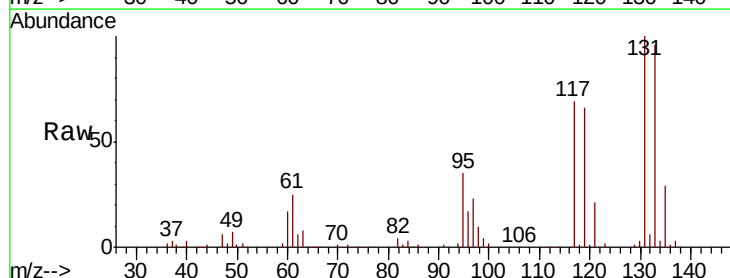
Tgt Ion:131 Resp: 44678

Ion Ratio Lower Upper

131 100

133 94.9 47.8 143.3

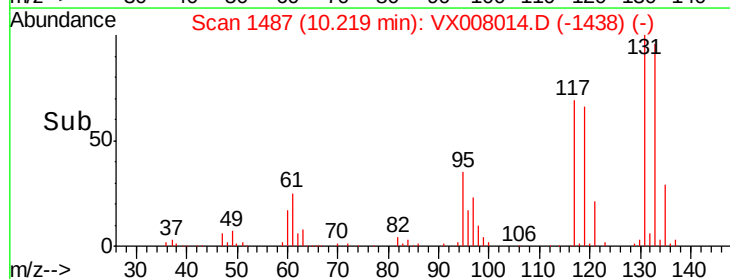
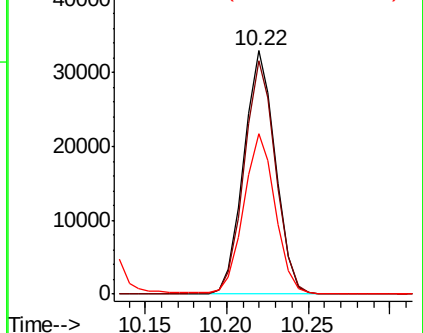
119 65.5 32.5 97.5

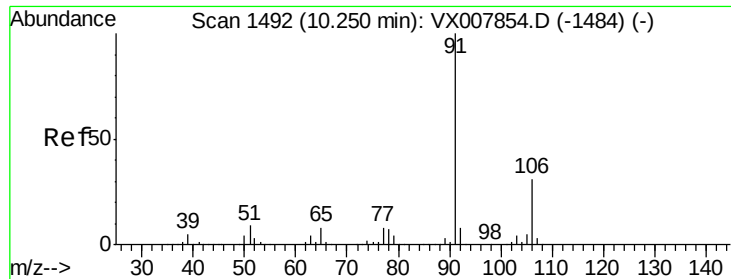


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.461 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

ClientSampled :

VX0312WBS02

Tgt Ion: 91 Resp: 204005

Ion Ratio Lower Upper

91 100

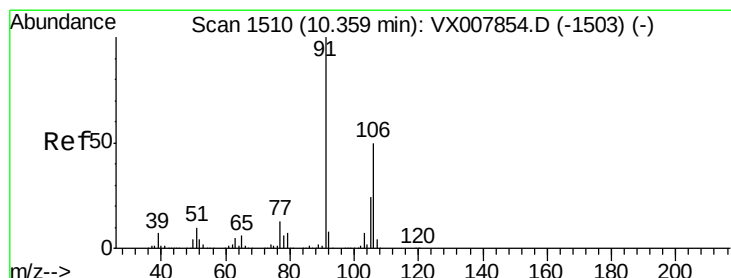
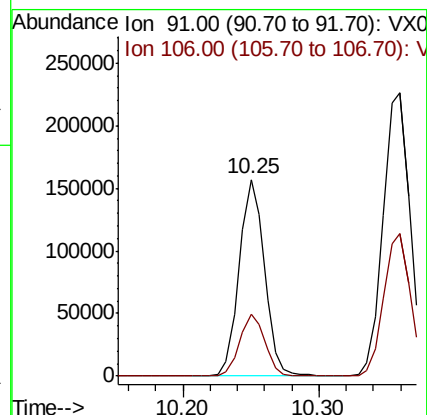
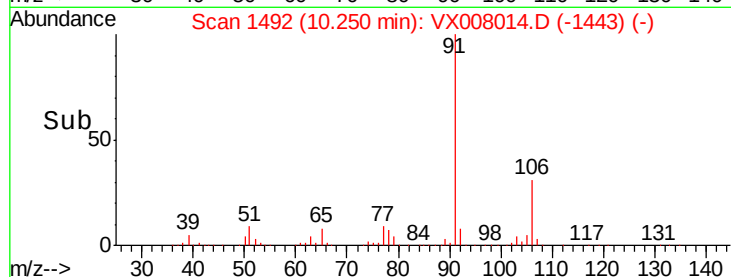
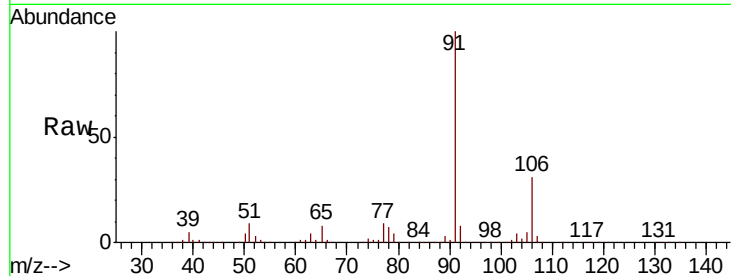
106 31.2 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

3/13/2019 10:13:58 AM



#68

m/p-Xylenes

Concen: 36.964 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008014.D

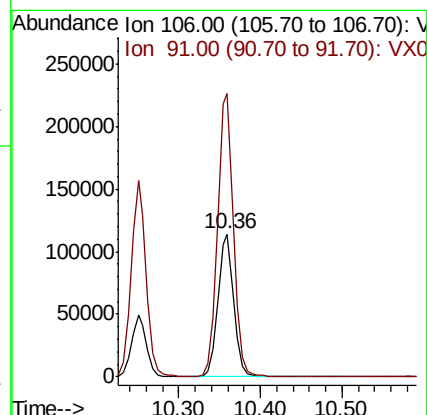
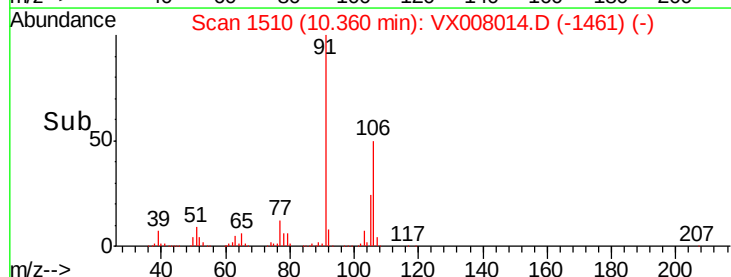
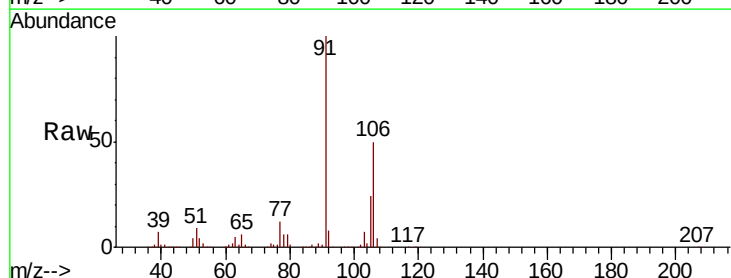
Acq: 12 Mar 2019 14:21

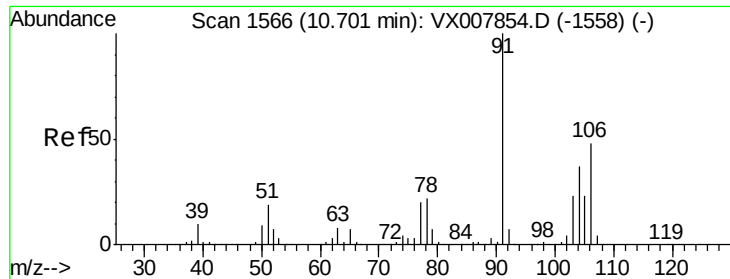
Tgt Ion: 106 Resp: 157448

Ion Ratio Lower Upper

106 100

91 199.5 159.8 239.6





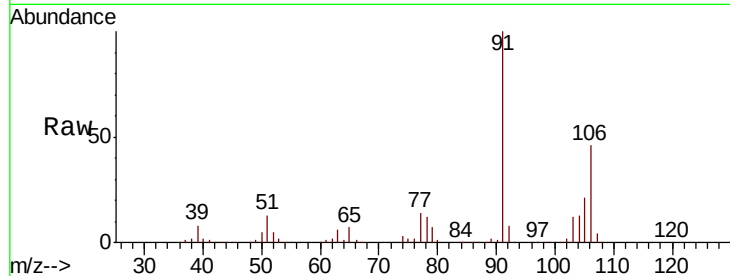
#69
o-Xylene
Concen: 18.768 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Instrument :
MSVOA_X
ClientSampled :
VX0312WBS02

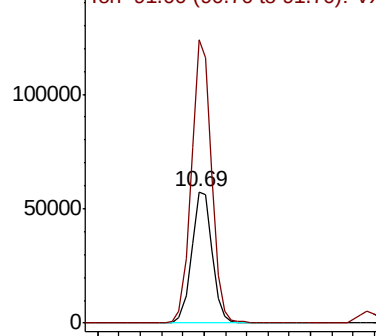
Tgt Ion:106 Resp: 77180
Ion Ratio Lower Upper
106 100
91 211.4 106.3 318.9

Manual Integrations
APPROVED

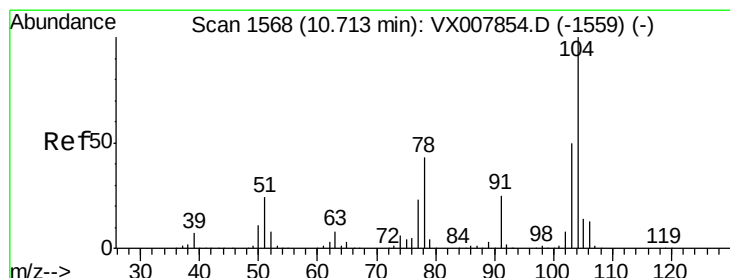
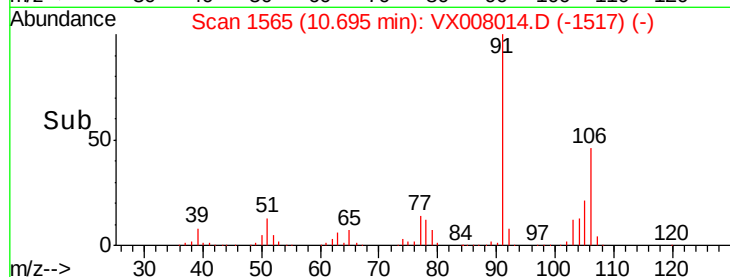
MMDadoda
3/13/2019 10:13:58 AM



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

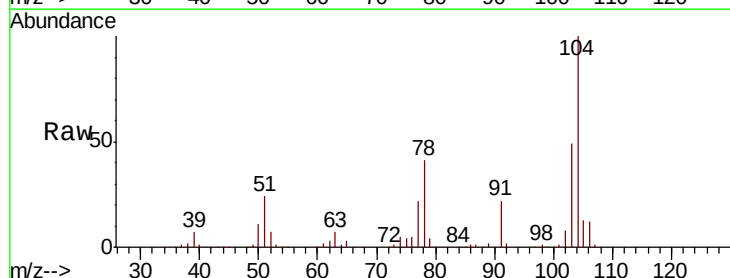


Time-->

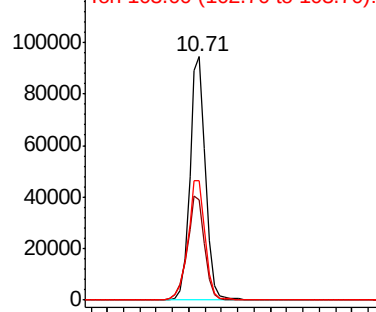


#70
Styrene
Concen: 18.837 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

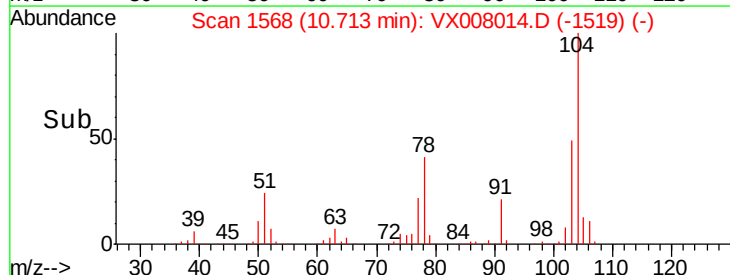
Tgt Ion:104 Resp: 126763
Ion Ratio Lower Upper
104 100
78 47.7 38.5 57.7
103 54.8 44.1 66.1

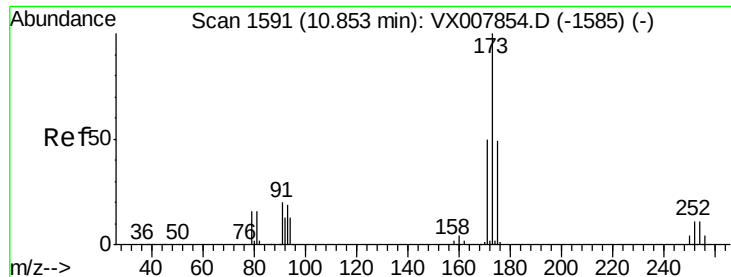


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 17.388 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBS02

Tgt Ion:173 Resp: 35928

Ion Ratio Lower Upper

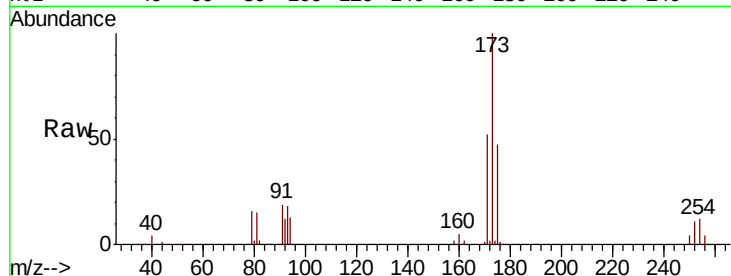
173 100

175 48.6 24.3 72.9

254 0.1 0.1 0.1#

Manual Integrations
APPROVED

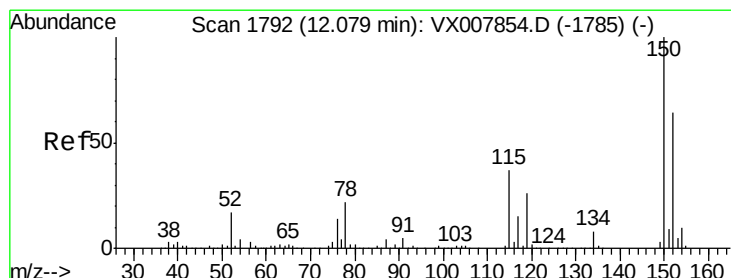
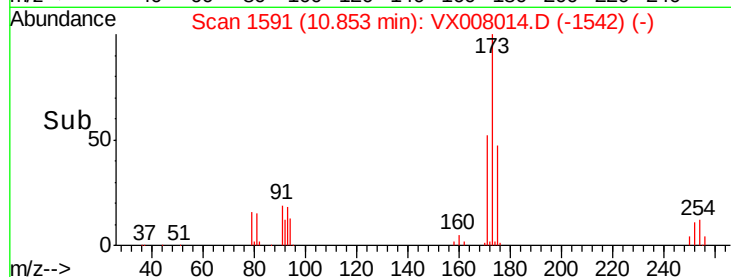
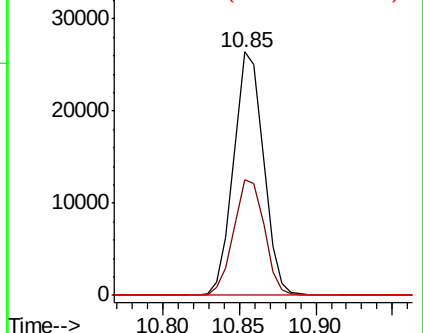
MMDadoda
3/13/2019 10:13:58 AM



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: VX008014.D

Acq: 12 Mar 2019 14:21

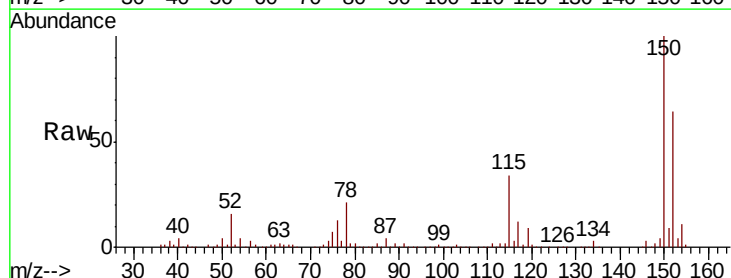
Tgt Ion:152 Resp: 158979

Ion Ratio Lower Upper

152 100

115 62.9 38.6 115.7

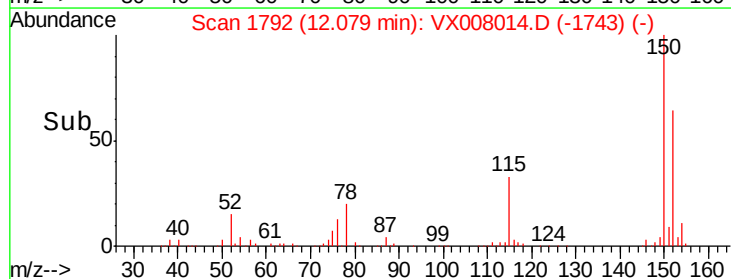
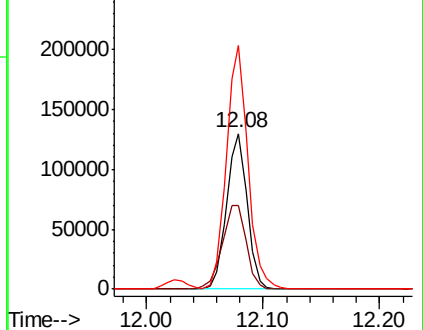
150 163.2 0.0 348.4

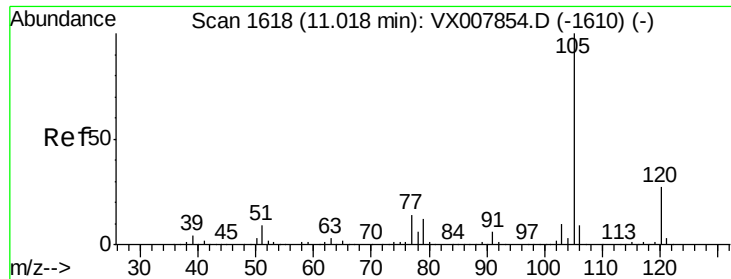


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





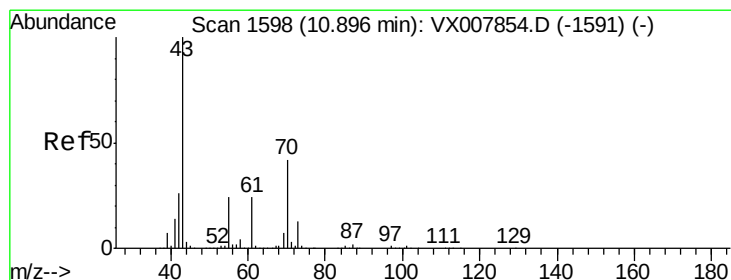
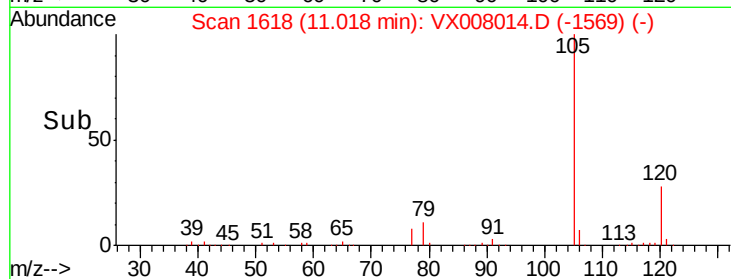
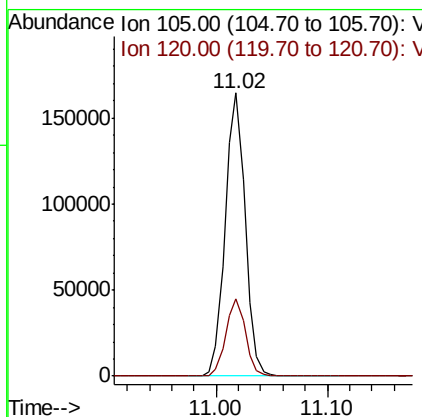
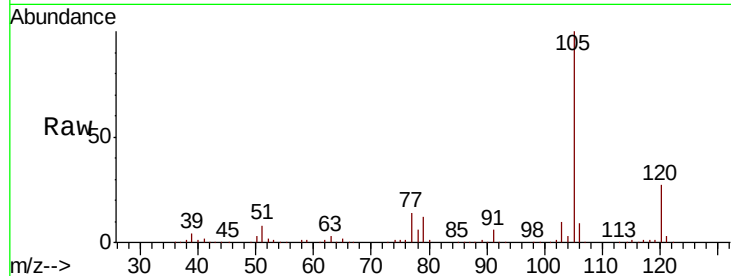
#73
Isopropylbenzene
Concen: 19.004 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS02

Tgt Ion: 105 Resp: 204326
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.1

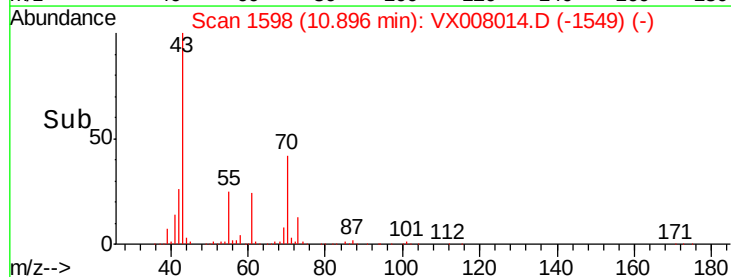
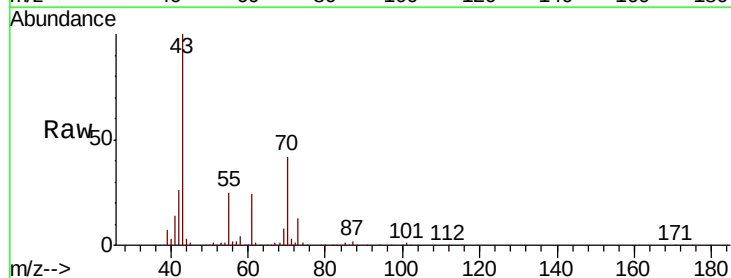
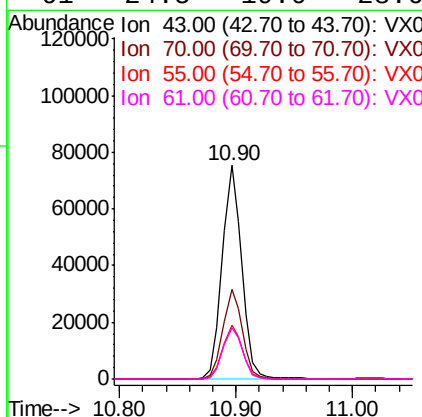
Manual Integrations
APPROVED

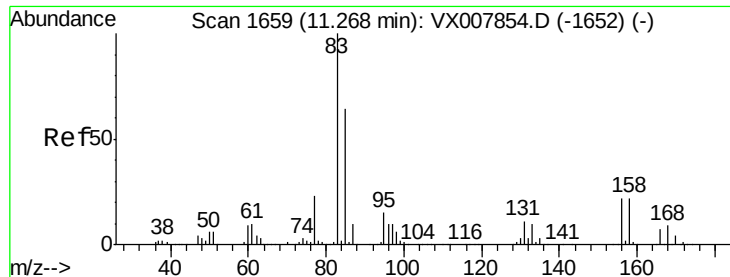
MMDadoda
3/13/2019 10:13:58 AM



#74
N-ethyl acetate
Concen: 17.769 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Tgt Ion: 43 Resp: 87220
Ion Ratio Lower Upper
43 100
70 42.1 33.5 50.3
55 25.5 19.2 28.8
61 24.5 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.231 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

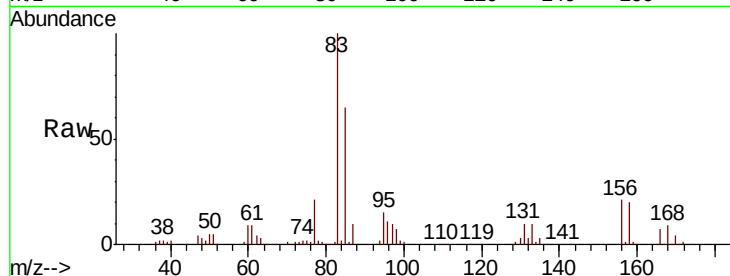
ClientSampled :

VX0312WBS02

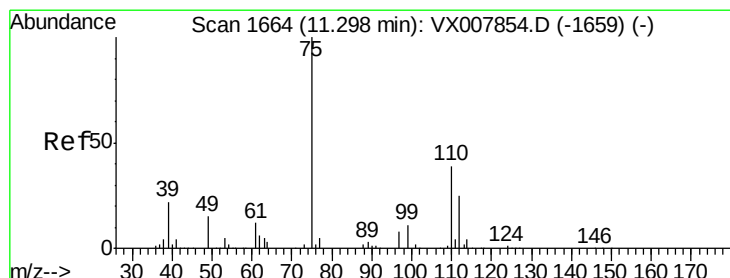
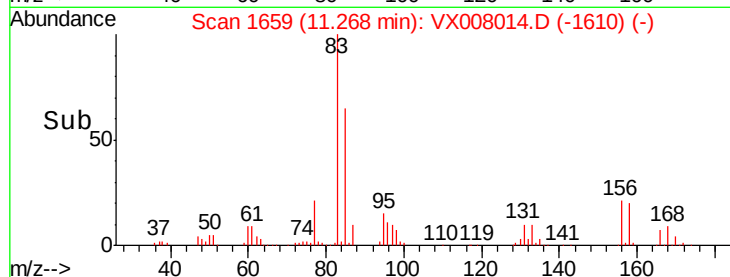
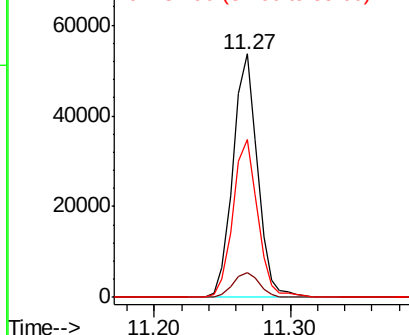
Tgt Ion:	83	Resp:	67613
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	65.5	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
3/13/2019 10:13:58 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.726 ug/l m

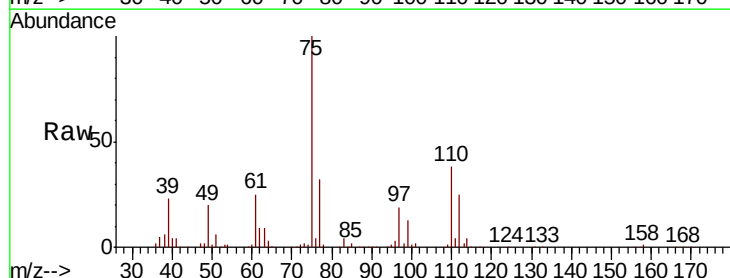
RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

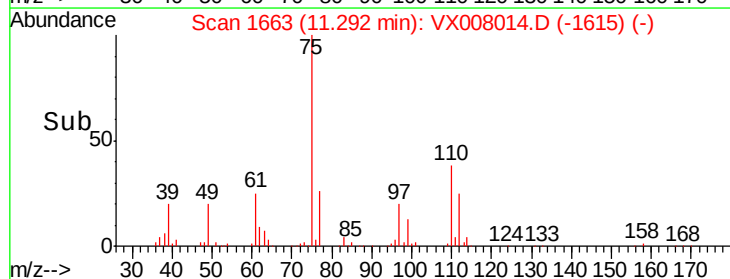
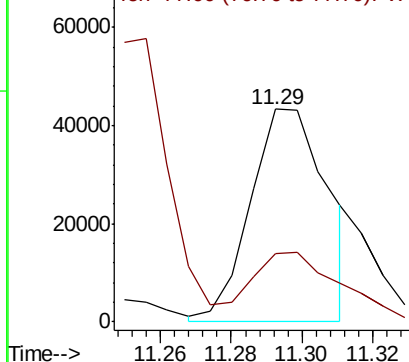
Lab File: VX008014.D

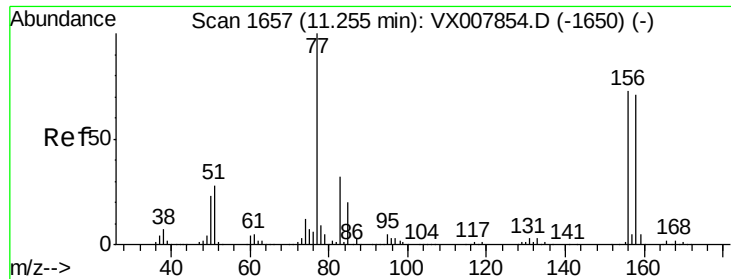
Acq: 12 Mar 2019 14:21

Tgt Ion:	75	Resp:	65806
Ion Ratio	Lower	Upper	
75	100		
77	38.7	18.9	56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.895 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBS02

Tgt Ion:156 Resp: 55698

Ion Ratio Lower Upper

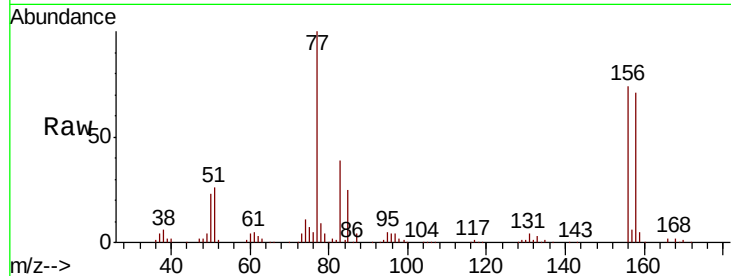
156 100

77 139.3 72.0 215.9

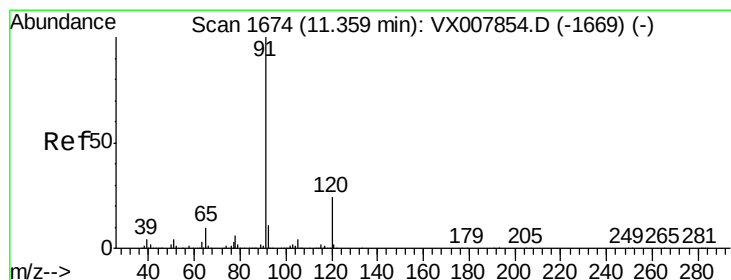
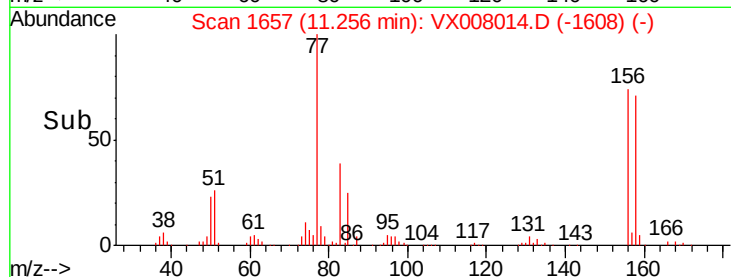
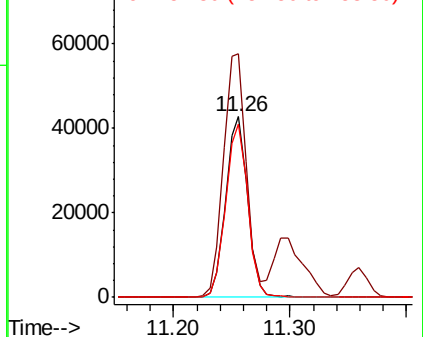
158 97.0 48.6 145.9

Manual Integrations
APPROVED

MMDadoda
3/13/2019 10:13:58 AM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.917 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008014.D

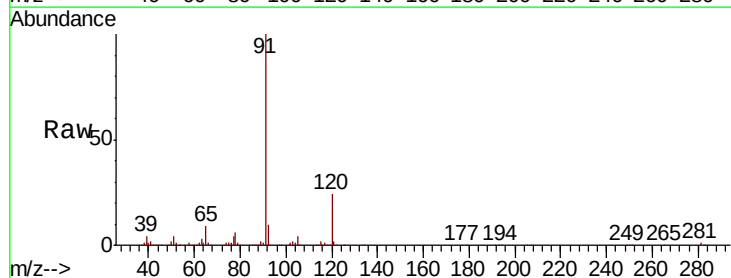
Acq: 12 Mar 2019 14:21

Tgt Ion: 91 Resp: 225642

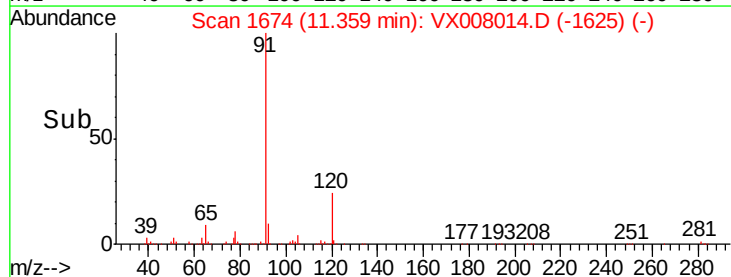
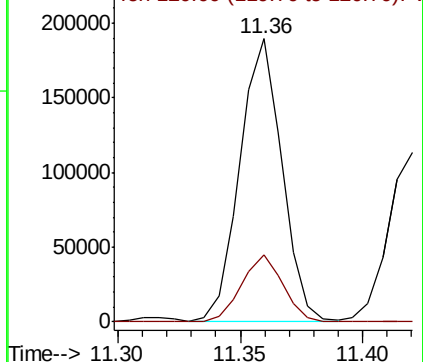
Ion Ratio Lower Upper

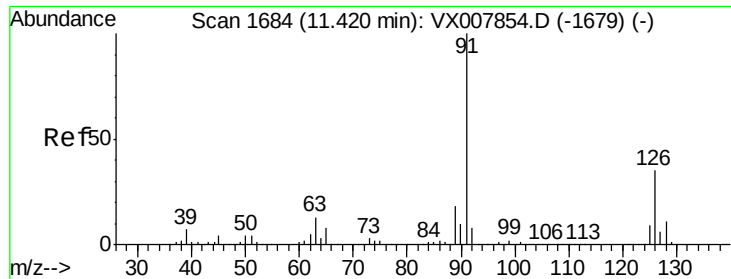
91 100

120 23.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.954 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

ClientSampled :

VX0312WBS02

Tgt Ion: 91 Resp: 138234

Ion Ratio Lower Upper

91 100

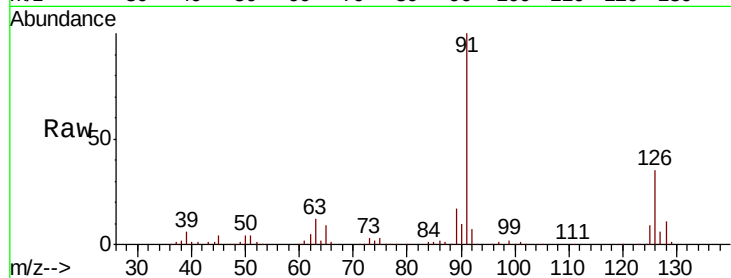
126 34.9 17.5 52.6

Manual Integrations

APPROVED

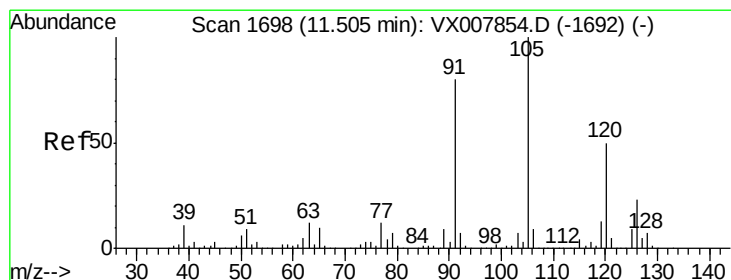
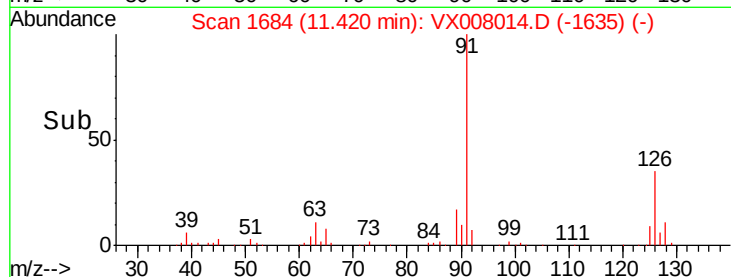
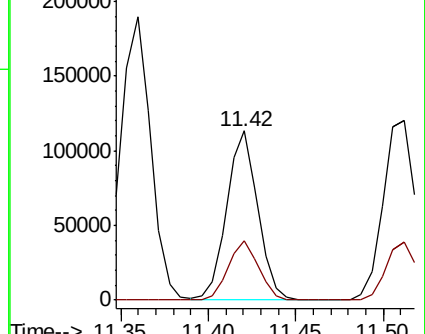
MMDadoda

3/13/2019 10:13:58 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.312 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008014.D

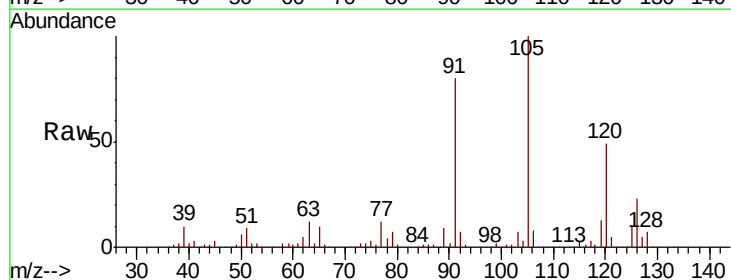
Acq: 12 Mar 2019 14:21

Tgt Ion: 105 Resp: 170900

Ion Ratio Lower Upper

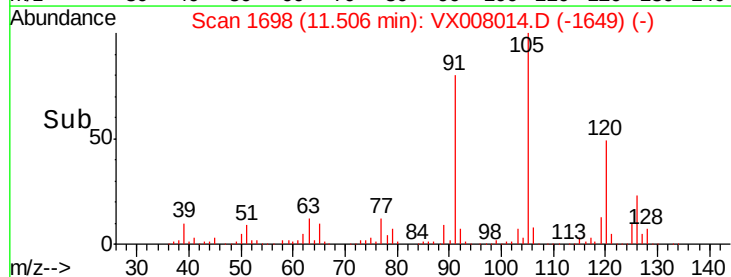
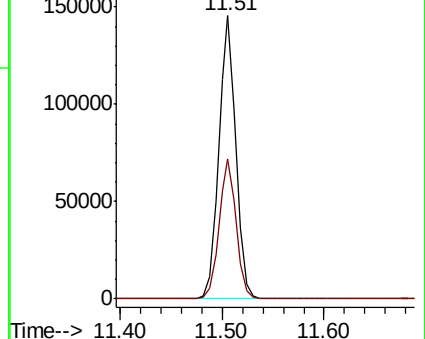
105 100

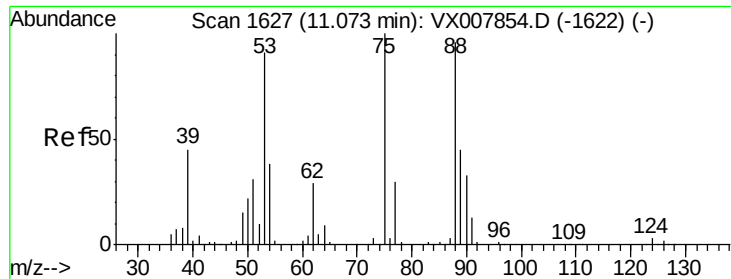
120 49.5 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





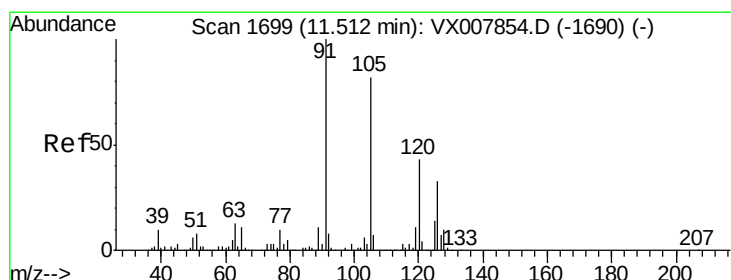
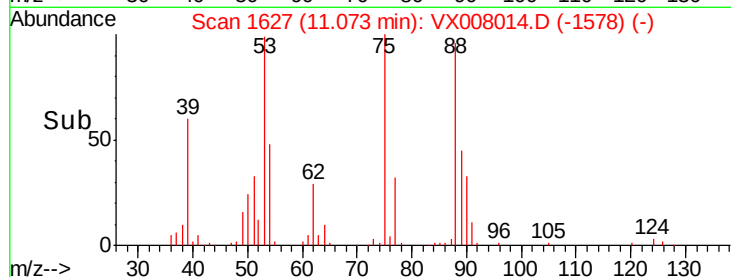
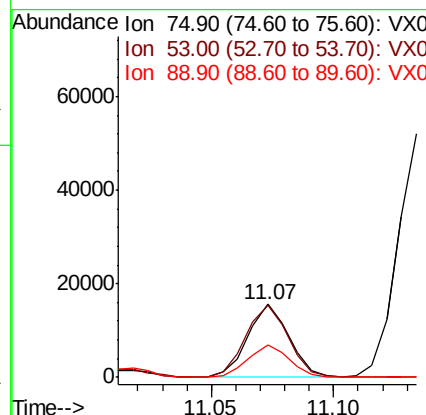
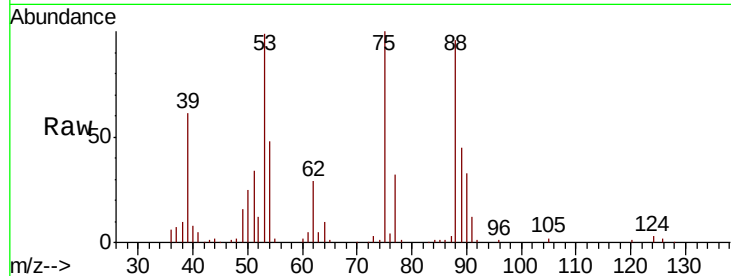
#81
trans-1,4-Dichloro-2-butene
Concen: 17.330 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS02

Tgt Ion: 75 Resp: 18087
Ion Ratio Lower Upper
75 100
53 104.0 76.1 114.1
89 46.4 36.3 54.5

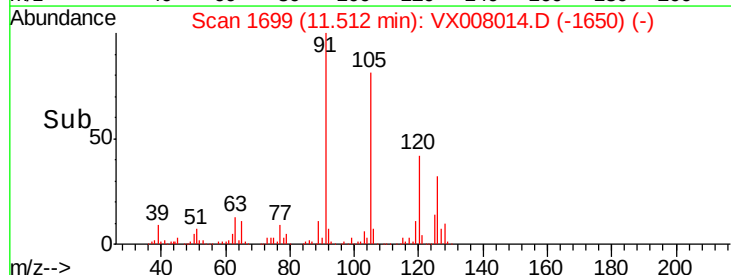
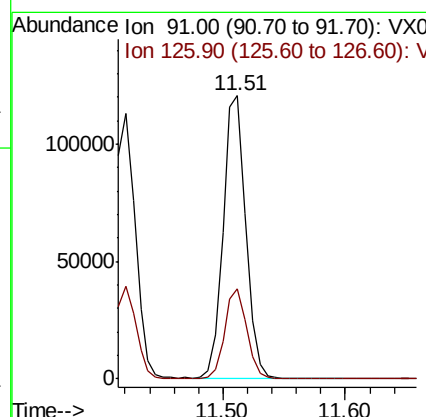
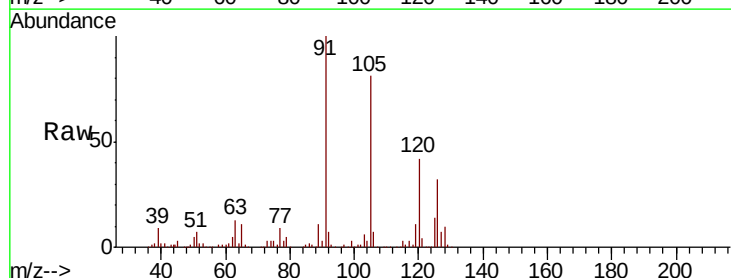
Manual Integrations
APPROVED

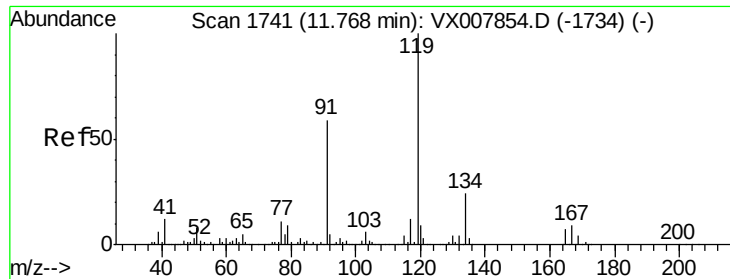
MMDadoda
3/13/2019 10:13:58 AM



#82
4-Chlorotoluene
Concen: 18.647 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Tgt Ion: 91 Resp: 155853
Ion Ratio Lower Upper
91 100
126 31.0 15.6 46.8





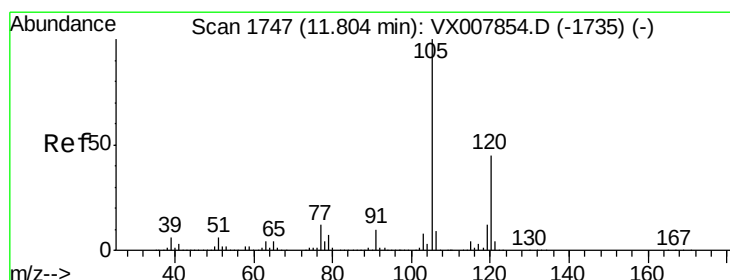
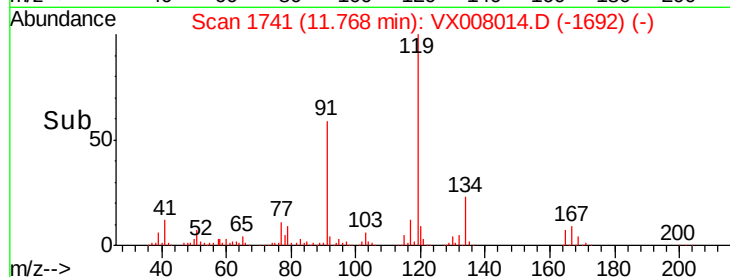
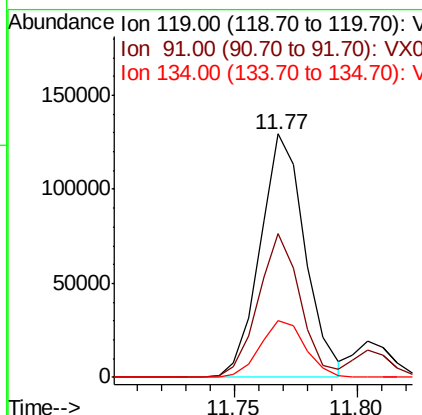
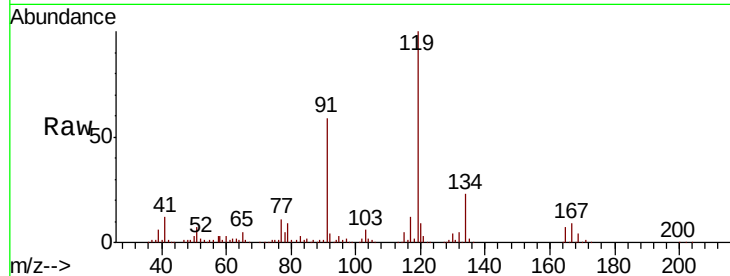
#83
 tert-Butylbenzene
 Concen: 18.687 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Instrument :
 MSVOA_X
 ClientSampled :
 VX0312WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	166574		
91	55.6	27.1	81.3	
134	23.5	11.4	34.1	

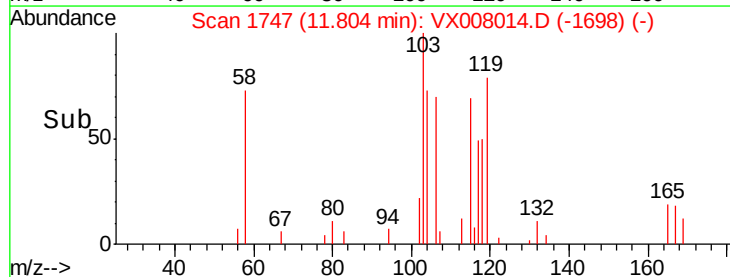
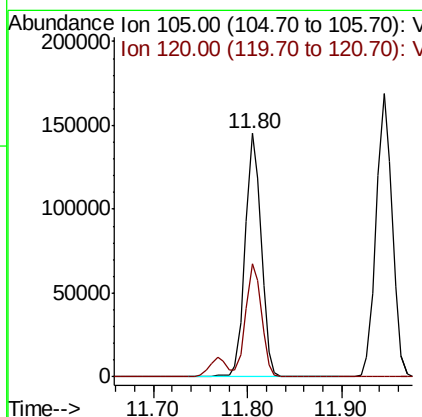
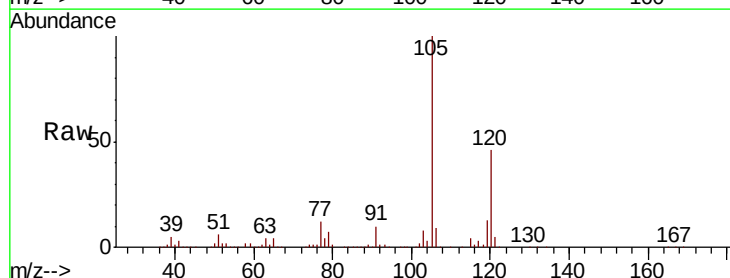
Manual Integrations
 APPROVED

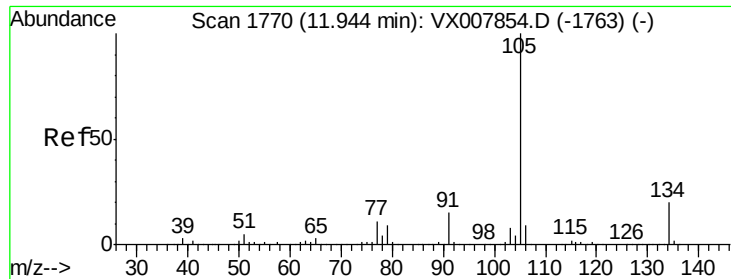
MMDadoda
 3/13/2019 10:13:58 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.099 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	173261		
120	45.4	22.6	67.7	





#85

sec-Butylbenzene

Concen: 19.190 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBS02

Tgt Ion:105 Resp: 201471

Ion Ratio Lower Upper

105 100

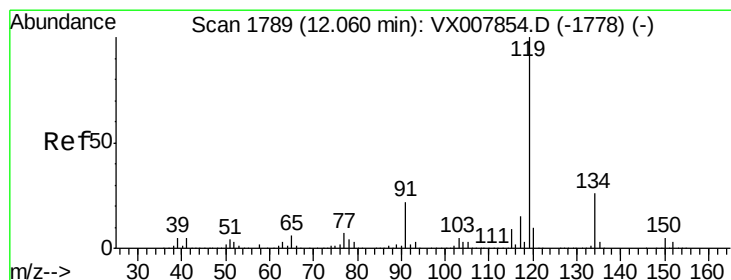
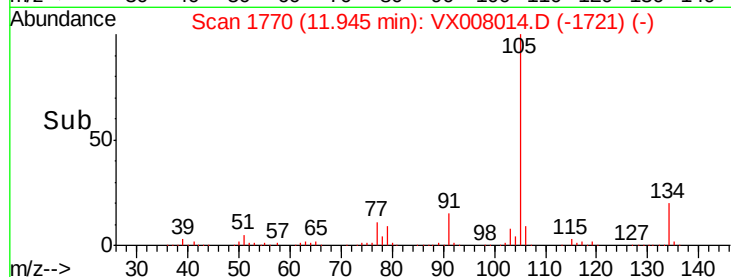
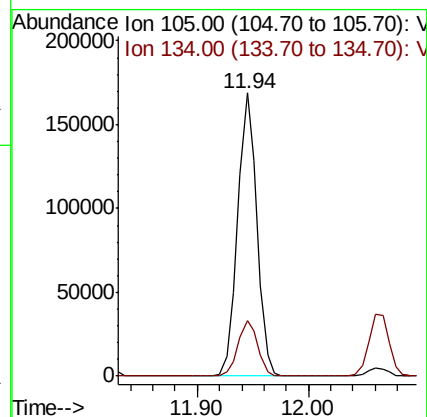
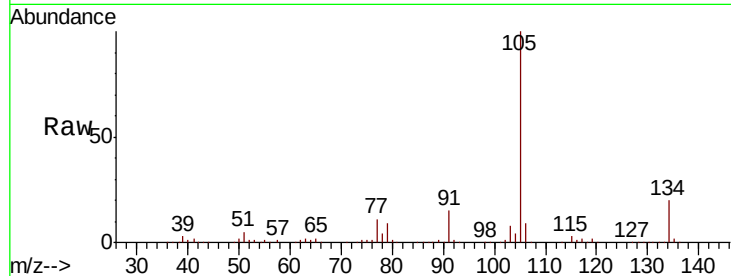
134 20.2 10.4 31.2

Manual Integrations

APPROVED

MMDadoda

3/13/2019 10:13:58 AM



#86

p-Isopropyltoluene

Concen: 19.198 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

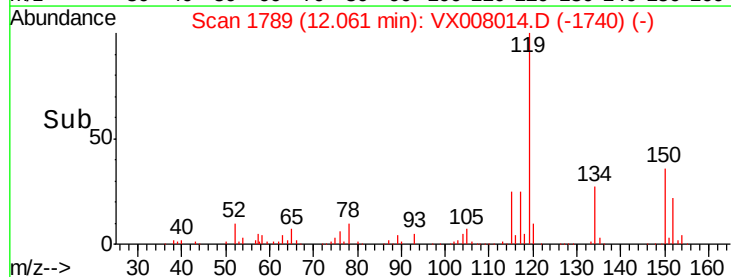
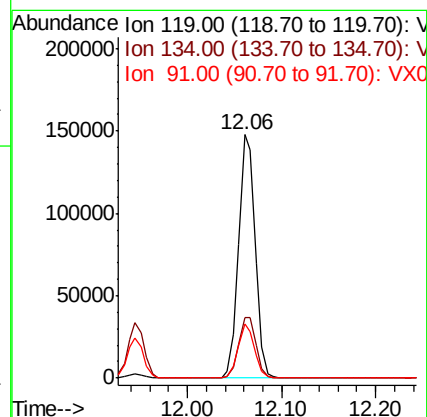
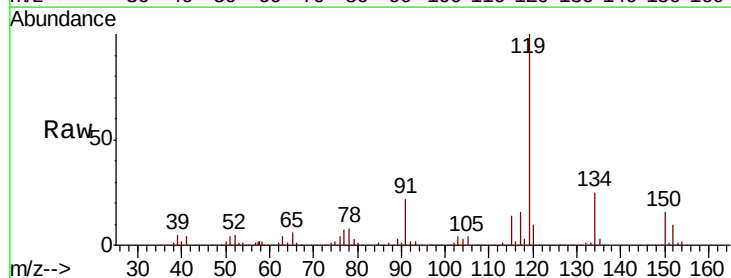
Tgt Ion:119 Resp: 180508

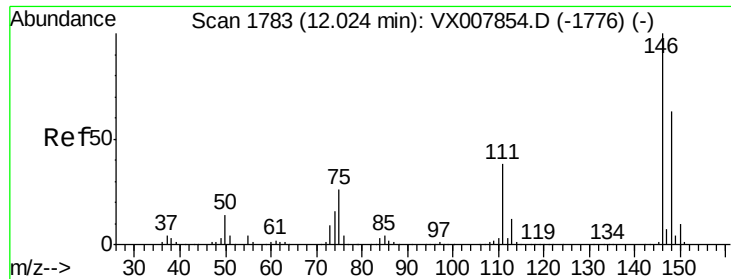
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.9

91 21.8 10.9 32.7





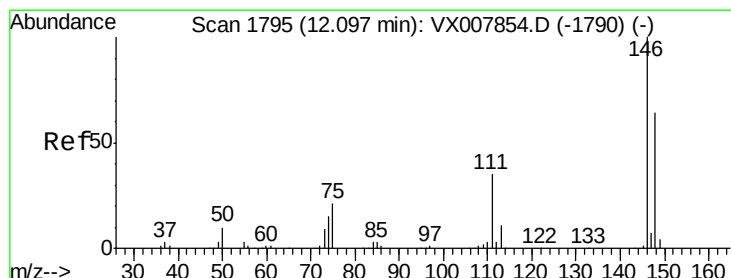
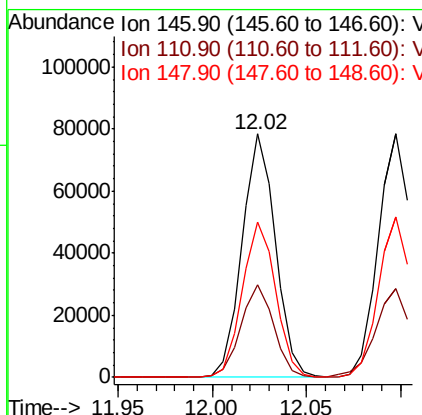
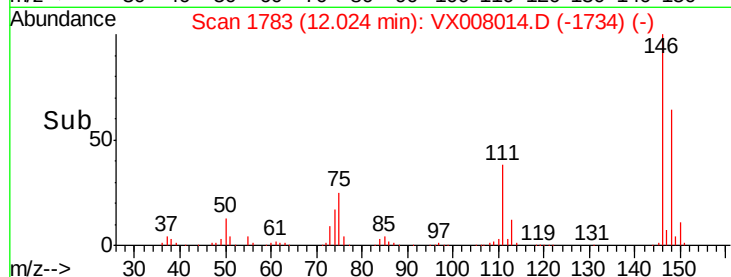
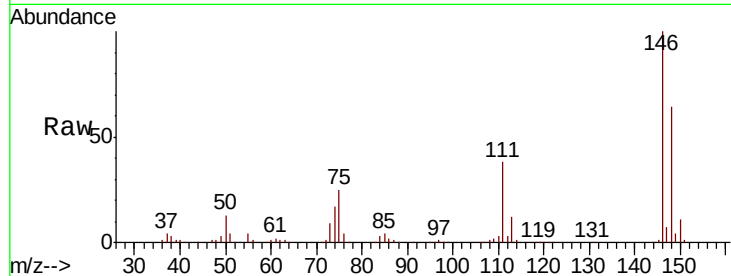
#87
 1,3-Dichlorobenzene
 Concen: 18.495 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.7
148	63.9	31.7	95.1

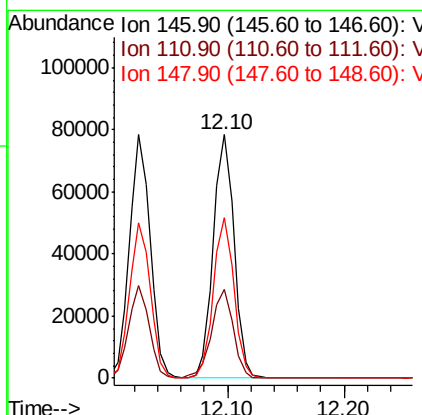
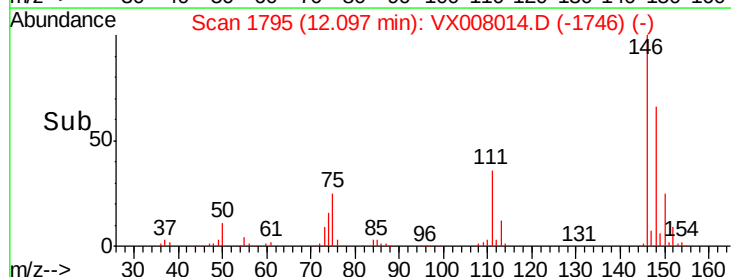
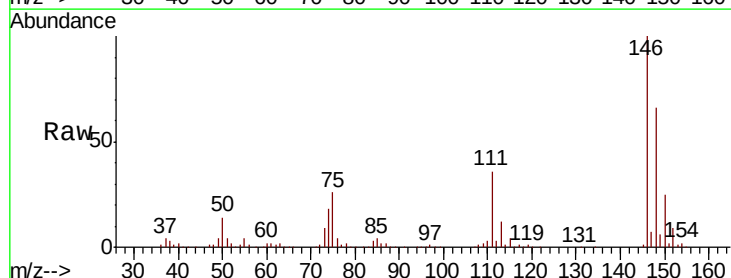
Manual Integrations
 APPROVED

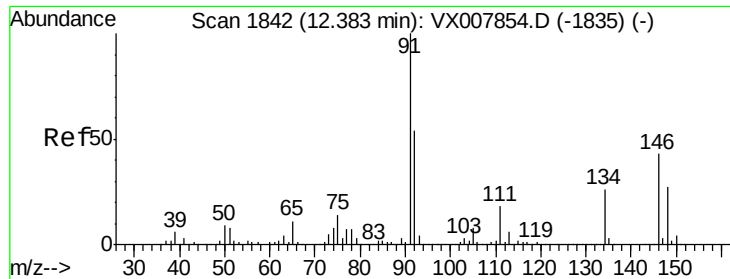
MMDadoda
 3/13/2019 10:13:58 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.061 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.4	55.0
148	65.2	32.2	96.6





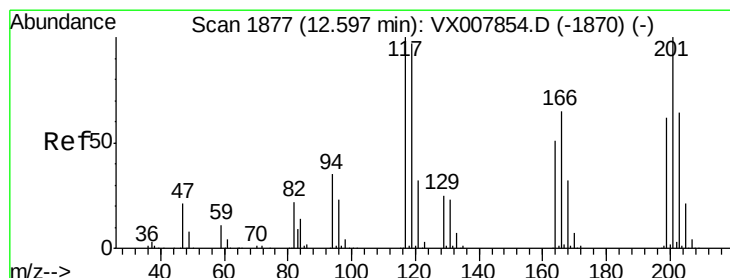
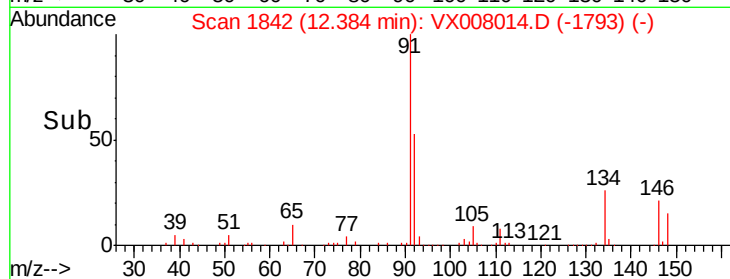
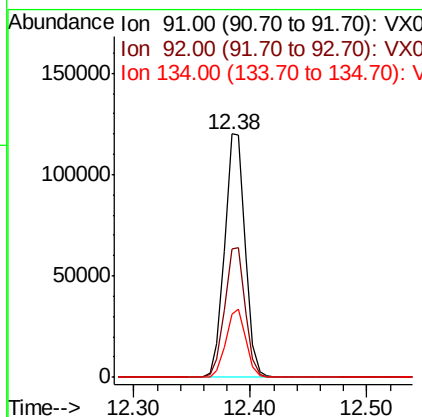
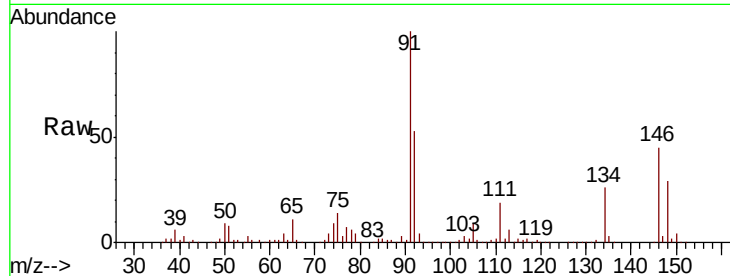
#89
n-Butylbenzene
Concen: 18.447 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBS02

Tgt Ion: 91 Resp: 146942
Ion Ratio Lower Upper
91 100
92 53.1 27.0 80.8
134 27.2 13.7 41.0

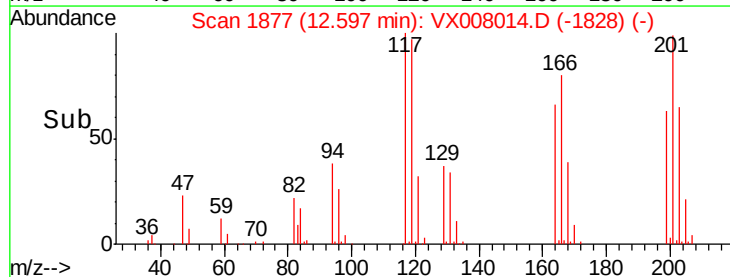
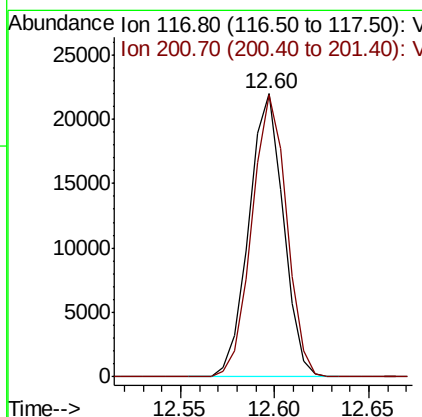
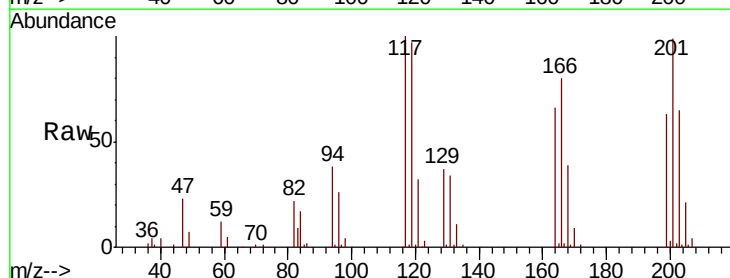
Manual Integrations
APPROVED

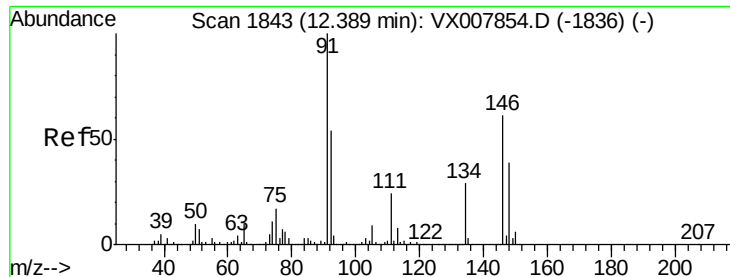
MMDadoda
3/13/2019 10:13:58 AM



#90
Hexachloroethane
Concen: 17.742 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008014.D
Acq: 12 Mar 2019 14:21

Tgt Ion: 117 Resp: 27890
Ion Ratio Lower Upper
117 100
201 100.0 48.9 146.7





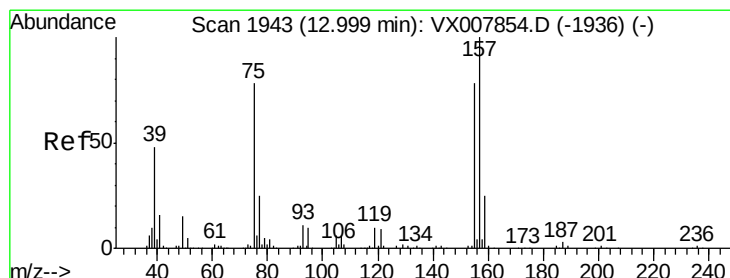
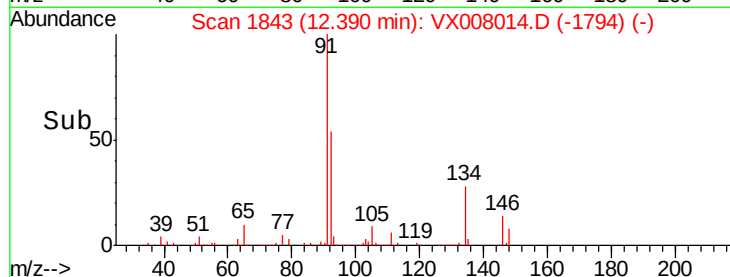
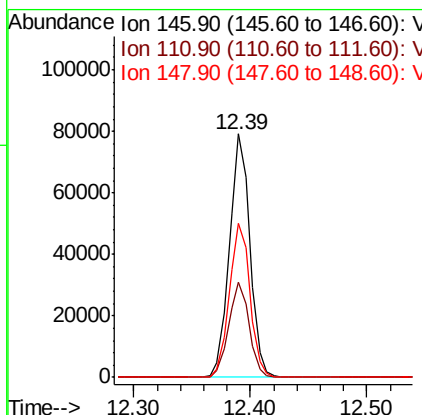
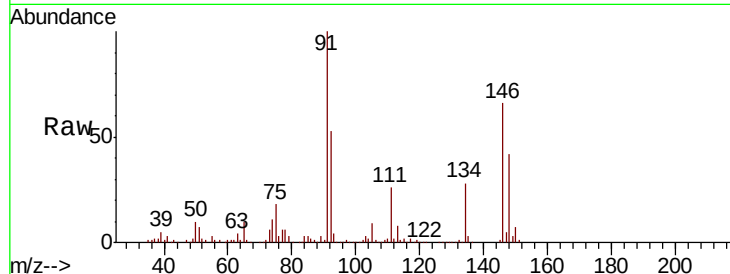
#91
 1,2-Dichlorobenzene
 Concen: 18.661 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0312WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.8
148	63.7	31.9	95.5

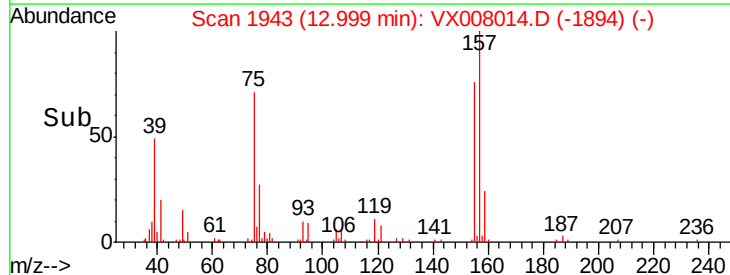
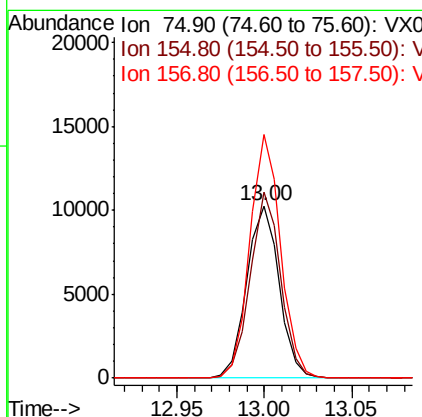
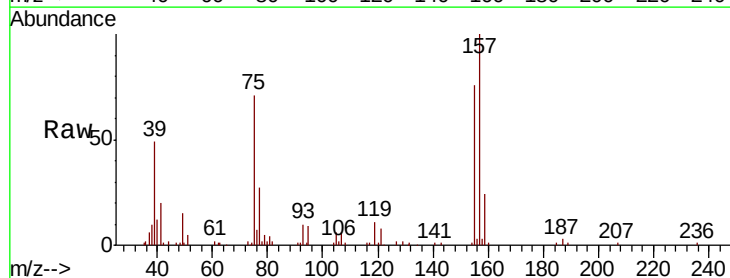
Manual Integrations
 APPROVED

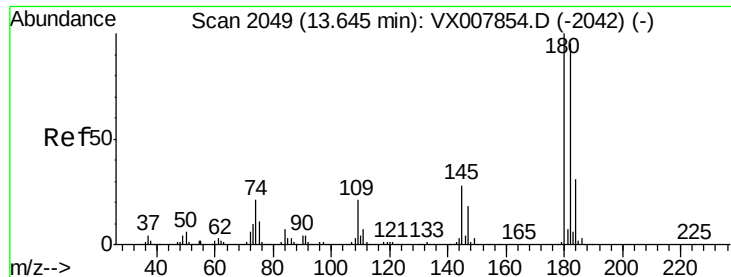
MMDadoda
 3/13/2019 10:13:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.030 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.1	49.7	149.1
157	134.2	63.8	191.4





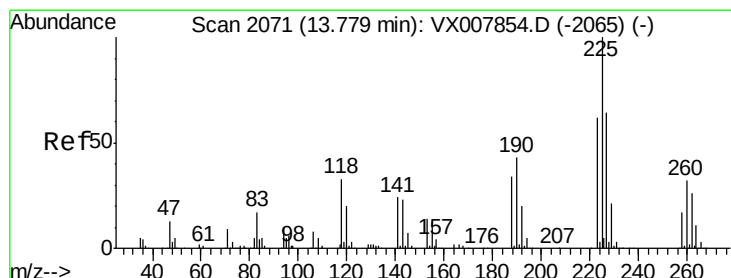
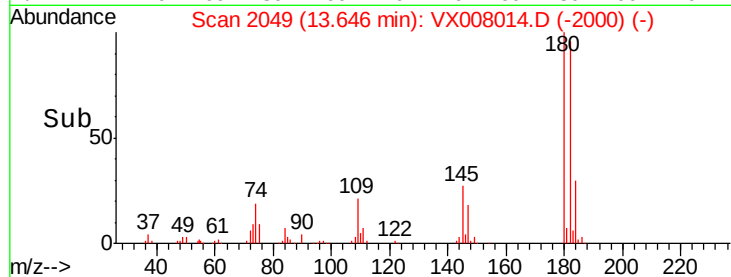
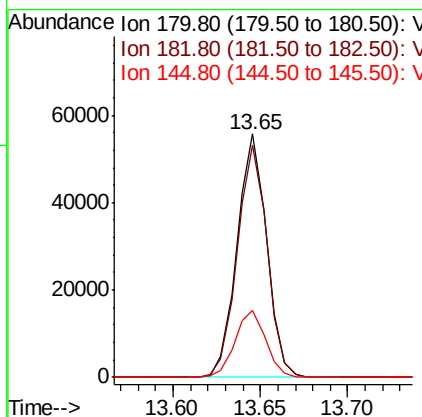
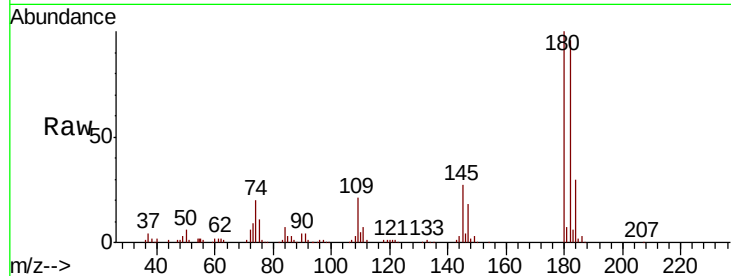
#93
 1,2,4-Trichlorobenzene
 Concen: 18.014 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	65563		
182	95.9	47.9	143.7	
145	28.2	14.1	42.4	

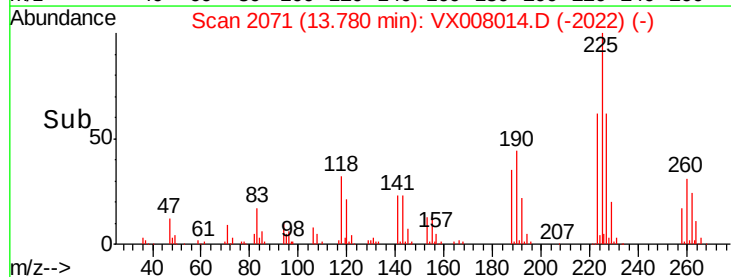
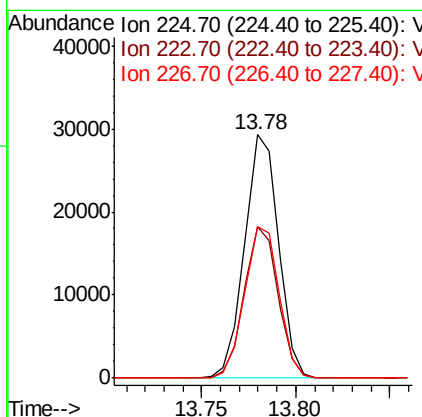
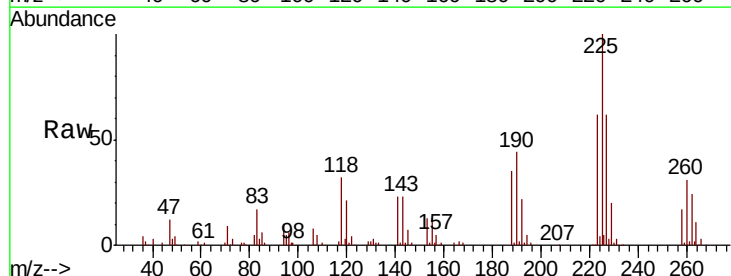
Manual Integrations
 APPROVED

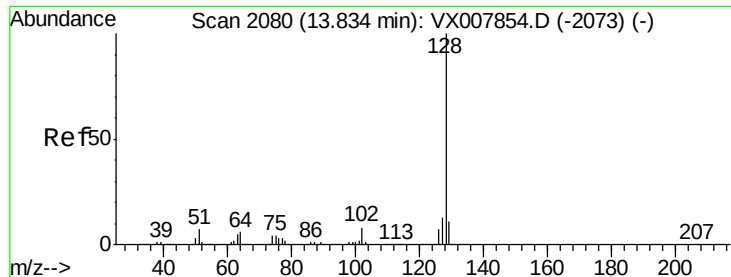
MMDadoda
 3/13/2019 10:13:58 AM



#94
 Hexachlorobutadiene
 Concen: 19.277 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008014.D
 Acq: 12 Mar 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	36680		
223	61.9	31.1	93.2	
227	63.3	32.0	96.0	





#95

Naphthalene

Concen: 18.344 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Instrument :

MSVOA_X

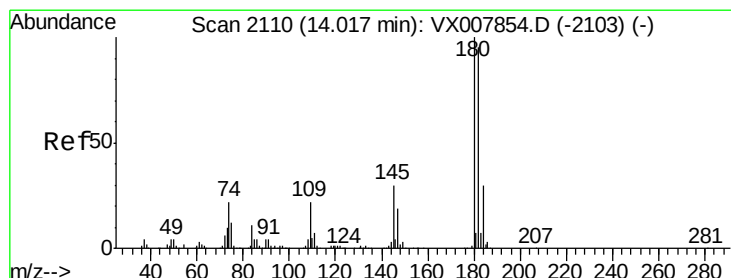
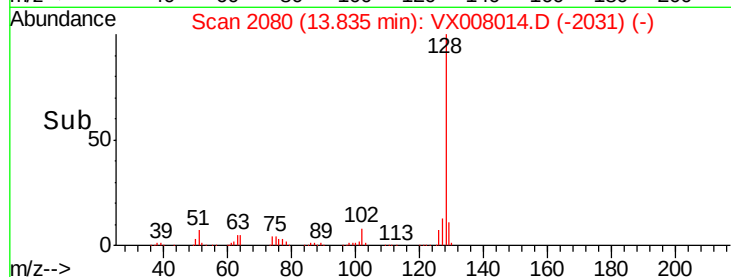
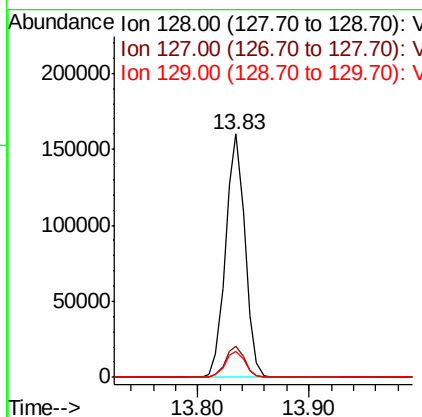
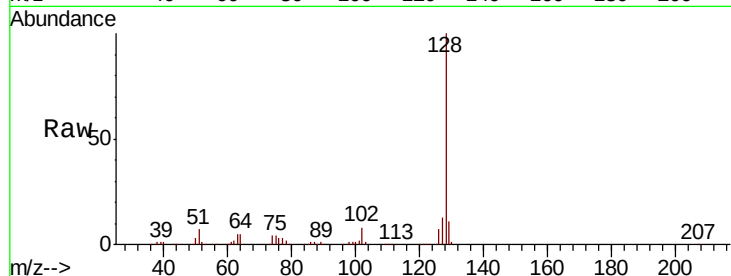
ClientSampleId :

VX0312WBS02

Tgt Ion:	128	Resp:	192365
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/13/2019 10:13:58 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.441 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008014.D

Acq: 12 Mar 2019 14:21

Tgt Ion:	180	Resp:	66858
Ion Ratio		Lower	Upper
180	100		
182	96.0	47.5	142.5
145	29.5	14.8	44.3

