

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080318\
 Data File : VX003832.D
 Acq On : 02 Aug 2018 19:22
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 1:35:36 PM

Quant Time: Aug 03 01:45:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 03 01:37:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	103180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	148020	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	142071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	83610	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	7207	4.70	ug/l	0.00
Spiked Amount			Recovery	=	9.40%	
35) Dibromofluoromethane	5.50	113	6092	5.04	ug/l	0.00
Spiked Amount			Recovery	=	10.08%	
50) Toluene-d8	8.72	98	22838	4.97	ug/l	0.00
Spiked Amount			Recovery	=	9.94%	
62) 4-Bromofluorobenzene	11.14	95	7693	4.58	ug/l	0.00
Spiked Amount			Recovery	=	9.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	4247	3.73	ug/l	98
3) Chloromethane	1.32	50	8212	5.23	ug/l	97
4) Vinyl Chloride	1.40	62	6441	4.18	ug/l	97
5) Bromomethane	1.64	94	3851	5.21	ug/l	97
6) Chloroethane	1.71	64	4245	4.62	ug/l	92
7) Trichlorofluoromethane	1.92	101	8924	4.54	ug/l	97
8) Diethyl Ether	2.19	74	3791	4.28	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	5482	4.58	ug/l	96
10) Methyl Iodide	2.51	142	6505	4.17	ug/l	99
11) Tert butyl alcohol	3.09	59	7778	21.64	ug/l	100
12) 1,1-Dichloroethene	2.37	96	5396	4.63	ug/l	96
13) Acrolein	2.29	56	6462	34.36	ug/l	96
14) Allyl chloride	2.72	41	9654	4.00	ug/l	97
15) Acrylonitrile	3.15	53	17898	20.56	ug/l	99
16) Acetone	2.45	43	18349	25.04	ug/l	98
17) Carbon Disulfide	2.56	76	14160	4.22	ug/l	99
18) Methyl Acetate	2.78	43	8841	4.17	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	18033	4.30	ug/l	97
20) Methylene Chloride	2.86	84	6646	4.70	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	5901	4.65	ug/l	94
22) Diisopropyl ether	3.88	45	18682	4.20	ug/l	93
23) Vinyl Acetate	3.82	43	76144	19.93	ug/l	99
24) 1,1-Dichloroethane	3.69	63	10605	4.21	ug/l	99
25) 2-Butanone	4.71	43	30503	26.37	ug/l	97
26) 2,2-Dichloropropane	4.59	77	7381	4.66	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	6485	4.63	ug/l	65
28) Bromochloromethane	5.01	49	5010	4.75	ug/l	97
29) Tetrahydrofuran	5.17	42	15249	21.24	ug/l	97
30) Chloroform	5.21	83	10911	4.68	ug/l	99
31) Cyclohexane	5.57	56	8587	4.36	ug/l	87
32) 1,1,1-Trichloroethane	5.49	97	8996	4.71	ug/l	98
36) 1,1-Dichloropropene	5.79	75	7947	4.70	ug/l	99
37) Ethyl Acetate	4.87	43	9318	4.51	ug/l	99
38) Carbon Tetrachloride	5.79	117	7989	4.90	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080318\
 Data File : VX003832.D
 Acq On : 02 Aug 2018 19:22
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 1:35:36 PM

Quant Time: Aug 03 01:45:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 03 01:37:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	8331	4.62	ug/l	99
40) Benzene	6.15	78	25024	4.91	ug/l	98
41) Methacrylonitrile	5.07	41	4938	4.32	ug/l	96
42) 1,2-Dichloroethane	6.20	62	8588	4.79	ug/l	100
43) Isopropyl Acetate	6.47	43	13434	4.46	ug/l	99
44) Trichloroethene	7.21	130	6890	5.06	ug/l	91
45) 1,2-Dichloropropane	7.52	63	6642	5.03	ug/l	100
46) Dibromomethane	7.67	93	4169	4.88	ug/l	99
47) Bromodichloromethane	7.90	83	7474	4.68	ug/l	99
48) Methyl methacrylate	7.78	41	6568	4.30	ug/l	97
49) 1,4-Dioxane	7.76	88	3226	93.96	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	56527	26.65	ug/l	98
52) Toluene	8.79	92	15476	4.89	ug/l	99
53) t-1,3-Dichloropropene	9.05	75	7786	4.41	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	8840	4.56	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	6518	4.99	ug/l	97
56) Ethyl methacrylate	9.18	69	8060	4.17	ug/l	95
57) 1,3-Dichloropropane	9.37	76	10622	4.85	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	20755	21.25	ug/l	99
59) 2-Hexanone	9.50	43	42782	26.32	ug/l	96
60) Dibromochloromethane	9.59	129	5959	4.79	ug/l	97
61) 1,2-Dibromoethane	9.68	107	6617	4.85	ug/l	98
64) Tetrachloroethene	9.34	164	6751	5.28	ug/l	94
65) Chlorobenzene	10.14	112	17859	5.01	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	6107	4.90	ug/l	99
67) Ethyl Benzene	10.26	91	27429	4.65	ug/l	100
68) m/p-Xylenes	10.36	106	21154	9.33	ug/l	99
69) o-Xylene	10.70	106	10012	4.56	ug/l	97
70) Styrene	10.71	104	16346	4.43	ug/l	98
71) Bromoform	10.86	173	4640	4.67	ug/l #	98
73) Isopropylbenzene	11.02	105	27086	4.84	ug/l	100
74) N-amyl acetate	6.47	43	13434	4.58	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	10157	4.84	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	8791m	5.02	ug/l	
77) Bromobenzene	11.26	156	7906	5.08	ug/l	96
78) n-propylbenzene	11.36	91	30059	4.66	ug/l	100
79) 2-Chlorotoluene	11.42	91	19576	4.94	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	22285	4.68	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	2342	4.17	ug/l #	86
82) 4-Chlorotoluene	11.51	91	21759	4.67	ug/l	99
83) tert-Butylbenzene	11.77	119	22592	4.85	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	22962	4.68	ug/l	99
85) sec-Butylbenzene	11.95	105	26530	4.83	ug/l	99
86) p-Isopropyltoluene	12.07	119	23408	4.73	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	14546	5.05	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	15464	5.16	ug/l	97
89) n-Butylbenzene	12.39	91	19230	4.34	ug/l	98
90) Hexachloroethane	12.60	117	3659	4.80	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	14804	5.01	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	2116	4.82	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080318\
Data File : VX003832.D
Acq On : 02 Aug 2018 19:22
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

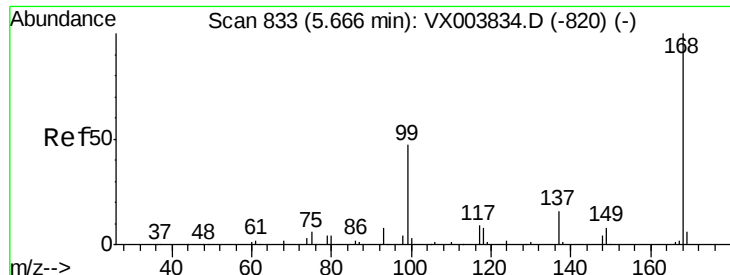
Manual Integrations
APPROVED

MMDadoda
8/6/2018 1:35:36 PM

Quant Time: Aug 03 01:45:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 03 01:37:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	9748	4.63	ug/l	99
94) Hexachlorobutadiene	13.79	225	5026	5.29	ug/l	98
95) Naphthalene	13.83	128	26513	4.16	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	10482	4.89	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 103180

Ion Ratio Lower Upper

168 100

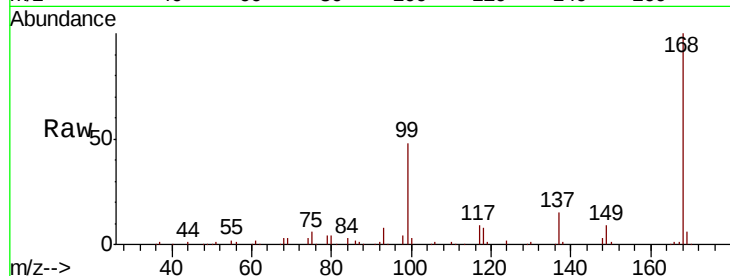
99 47.8 38.1 57.1

Manual Integrations

APPROVED

MMDadoda

8/6/2018 1:35:36 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

20000

10000

0

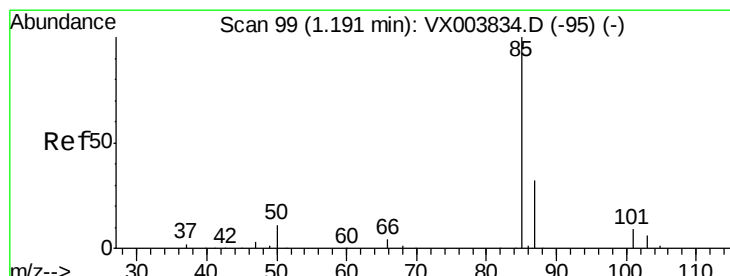
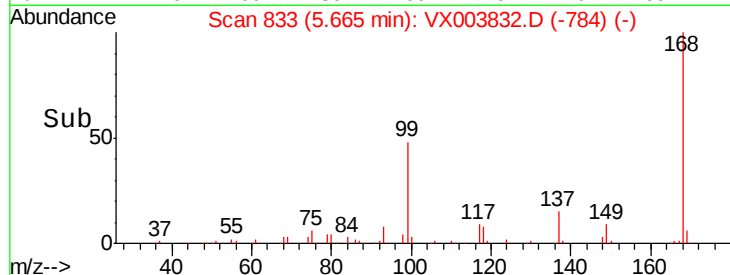
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 3.73 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.00 min

Lab File: VX003832.D

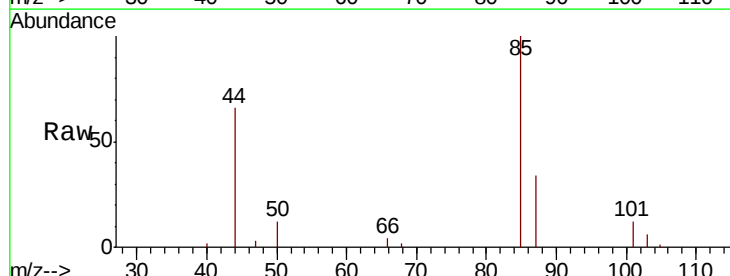
Acq: 02 Aug 2018 19:22

Tgt Ion: 85 Resp: 4247

Ion Ratio Lower Upper

85 100

87 33.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

4000

3000

2000

1000

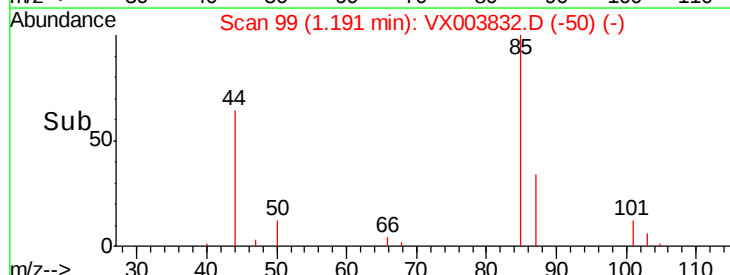
0

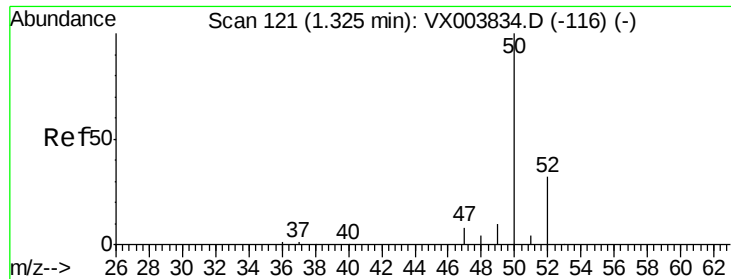
Time-->

1.15

1.20

1.25





#3

Chloromethane

Concen: 5.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 8212

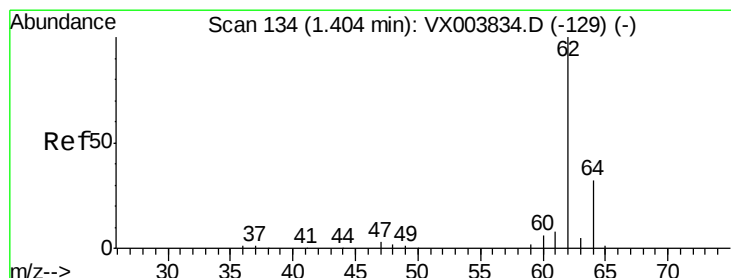
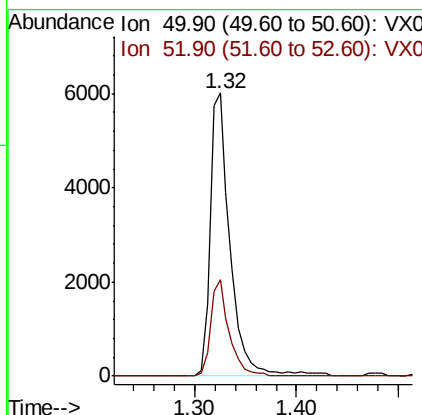
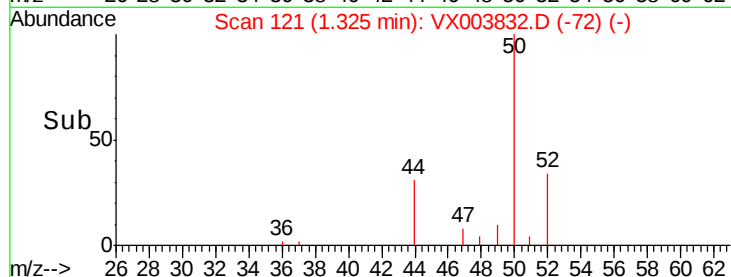
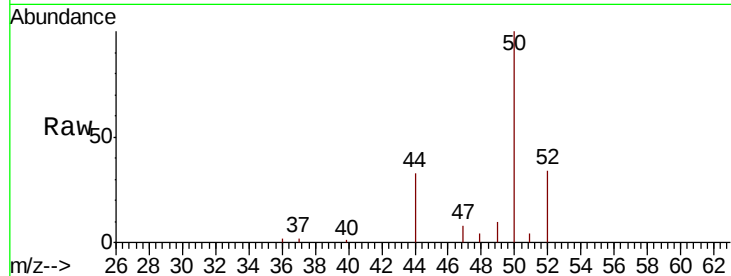
Ion Ratio Lower Upper

50 100

52 33.9 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
8/6/2018 1:35:36 PM



#4

Vinyl Chloride

Concen: 4.18 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003832.D

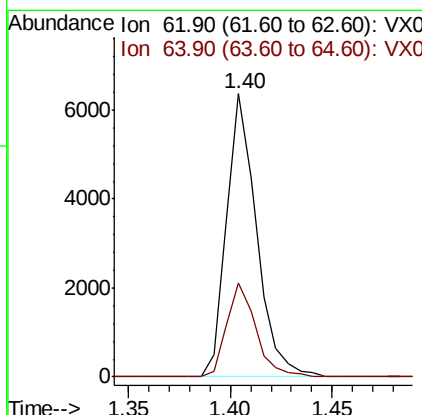
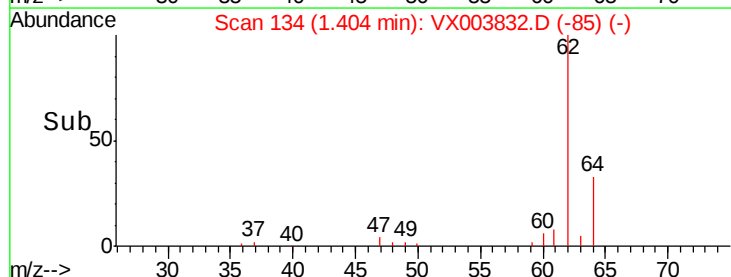
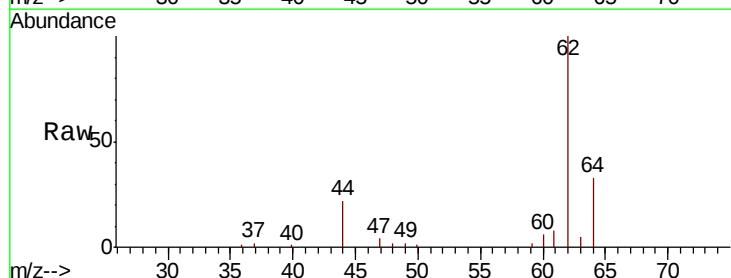
Acq: 02 Aug 2018 19:22

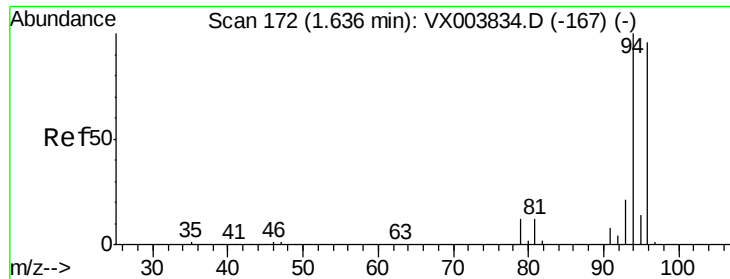
Tgt Ion: 62 Resp: 6441

Ion Ratio Lower Upper

62 100

64 33.1 25.3 37.9





#5

Bromomethane

Concen: 5.21 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 3851

Ion Ratio Lower Upper

94 100

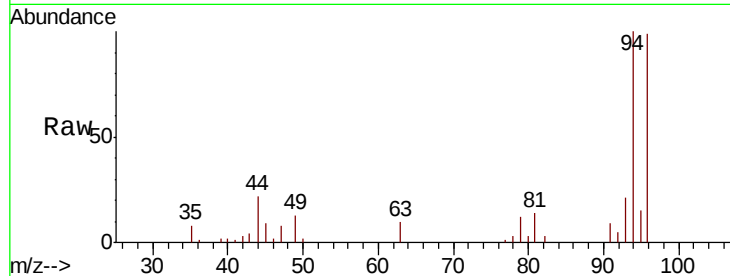
96 99.2 76.9 115.3

Manual Integrations

APPROVED

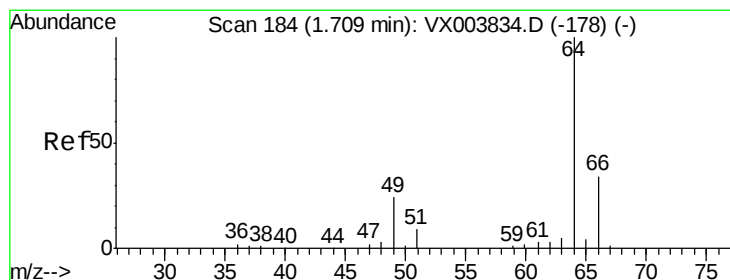
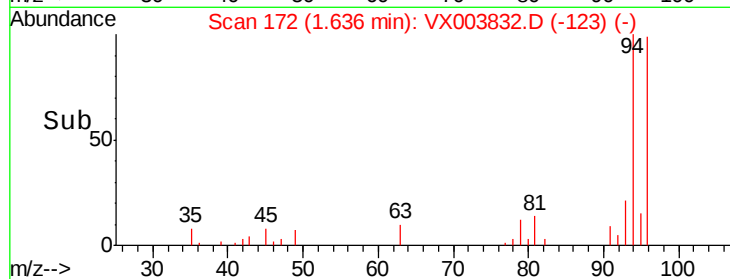
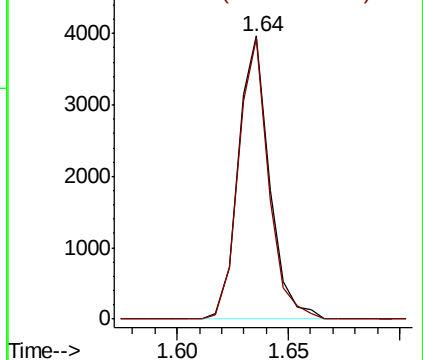
MMDadoda

8/6/2018 1:35:36 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 4.62 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.01 min

Lab File: VX003832.D

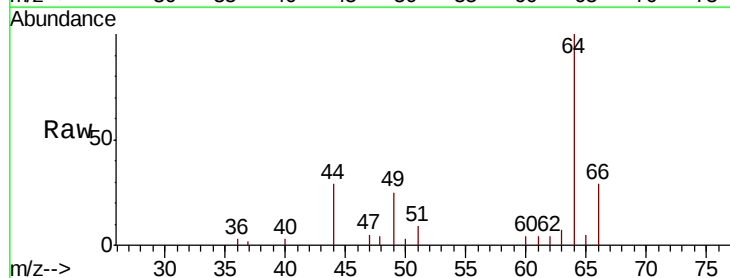
Acq: 02 Aug 2018 19:22

Tgt Ion: 64 Resp: 4245

Ion Ratio Lower Upper

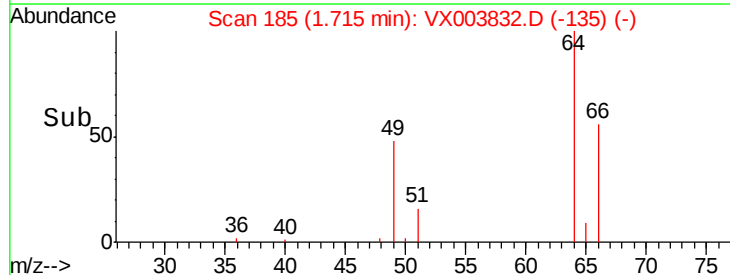
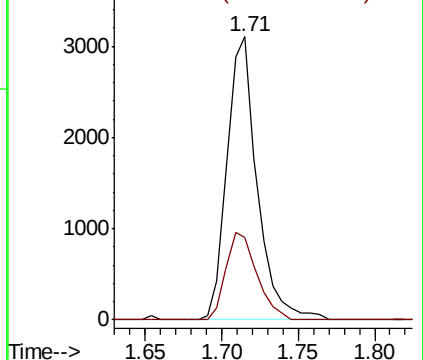
64 100

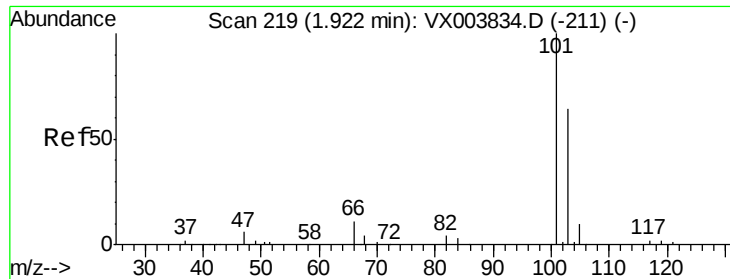
66 29.2 27.2 40.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 4.54 ug/l

RT: 1.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 8924

Ion Ratio Lower Upper

101 100

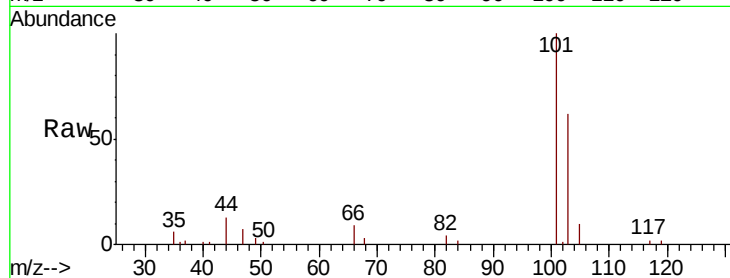
103 61.8 51.4 77.0

Manual Integrations

APPROVED

MMDadoda

8/6/2018 1:35:36 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.92

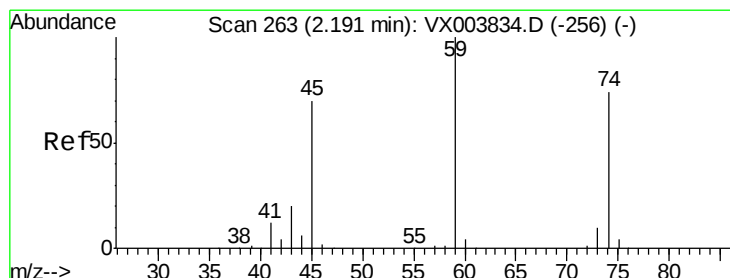
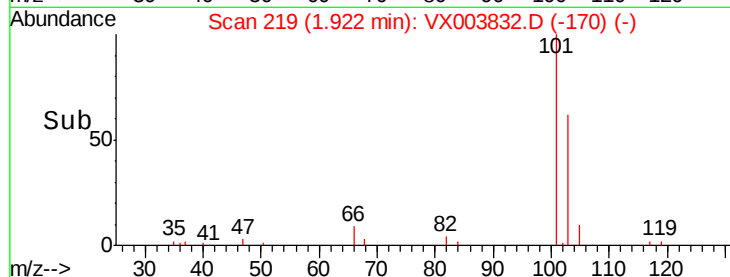
6000

4000

2000

0

Time-->



#8

Diethyl Ether

Concen: 4.28 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX003832.D

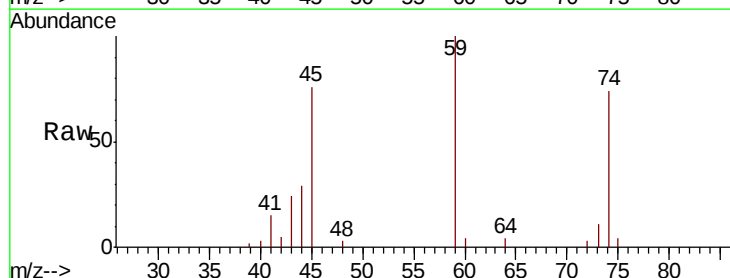
Acq: 02 Aug 2018 19:22

Tgt Ion: 74 Resp: 3791

Ion Ratio Lower Upper

74 100

45 100.1 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

3000

2500

2000

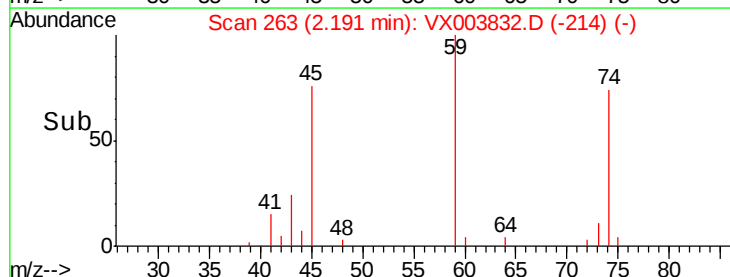
1500

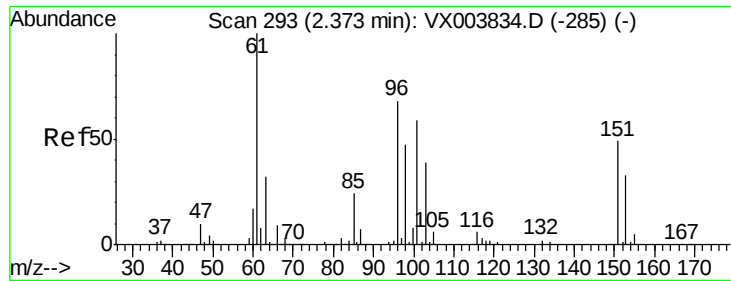
1000

500

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.58 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.01 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Instrument :

MSVOA_X

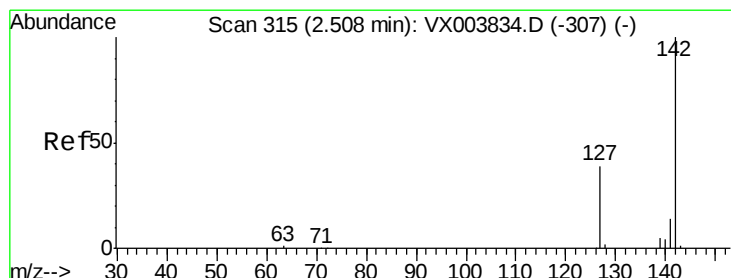
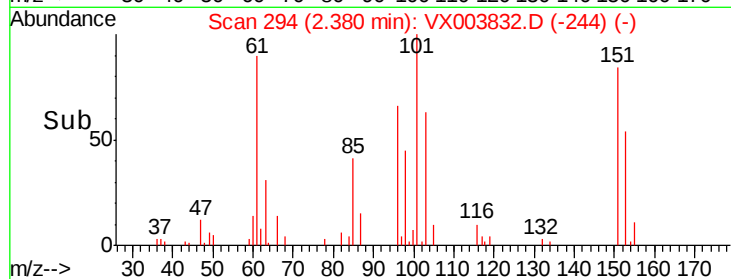
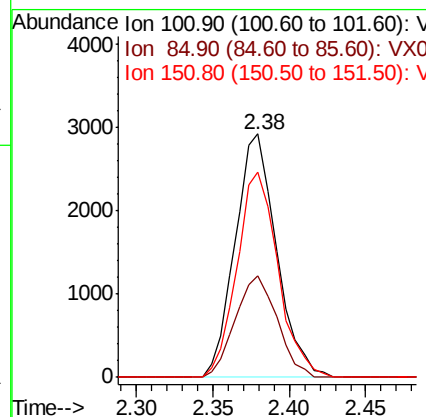
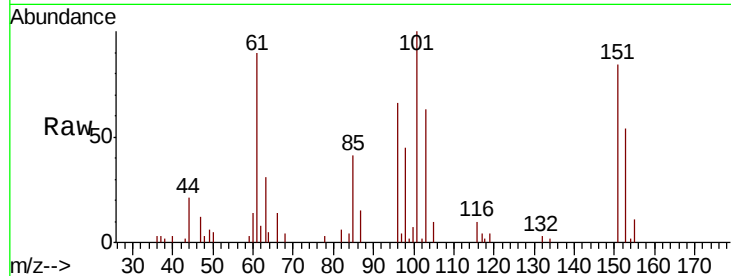
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	5482
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.6	50.4
151	83.7	71.0	106.4

Manual Integrations
APPROVED

MMDadoda
8/6/2018 1:35:36 PM



#10

Methyl Iodide

Concen: 4.17 ug/l

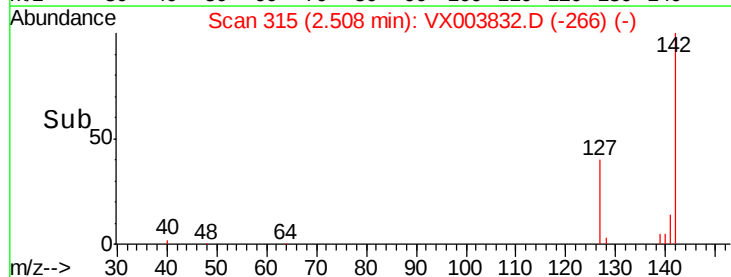
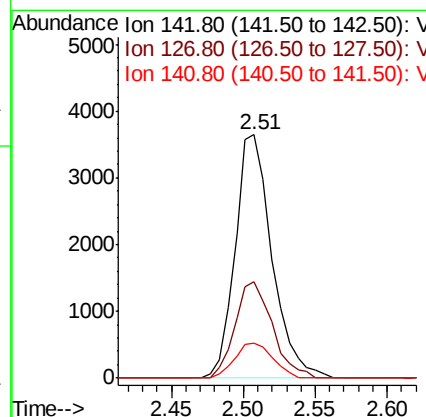
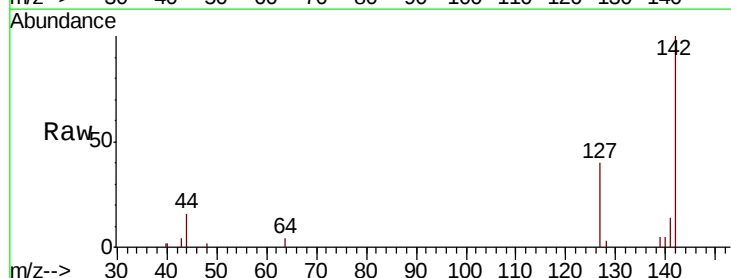
RT: 2.51 min Scan# 315

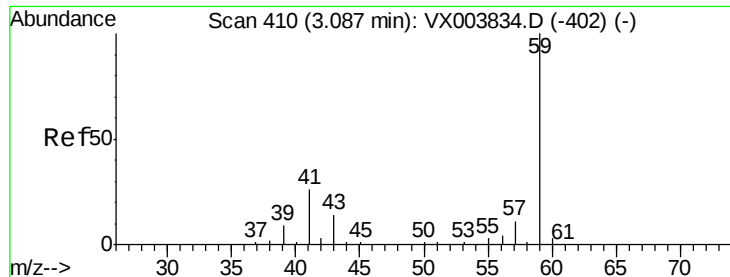
Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Tgt Ion:	142	Resp:	6505
Ion Ratio	Lower	Upper	
142	100		
127	40.1	31.8	47.8
141	14.9	11.3	16.9





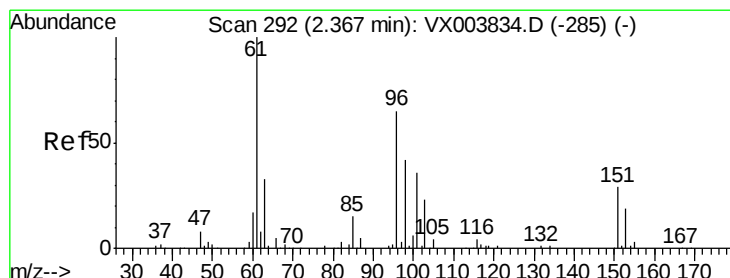
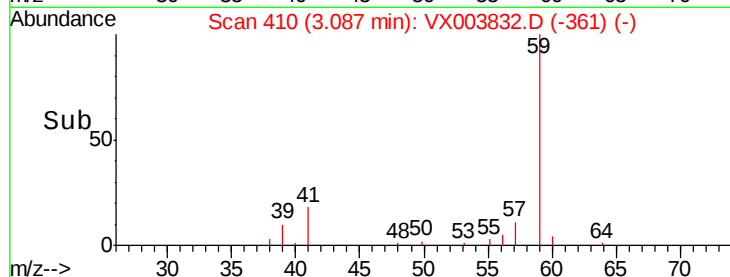
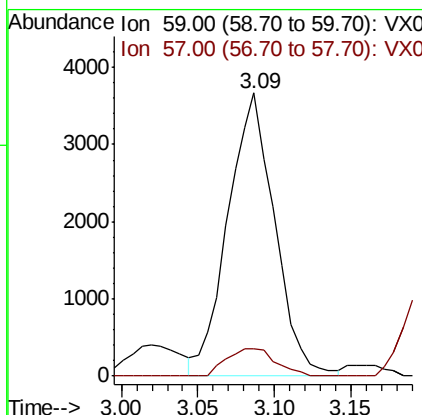
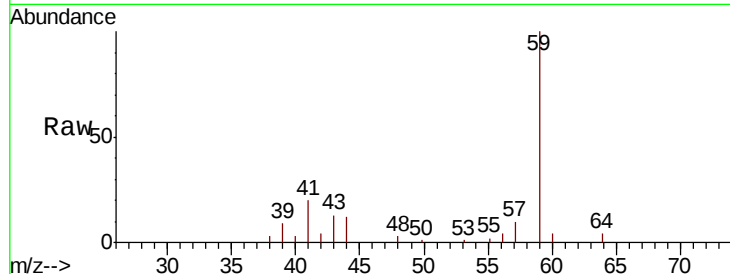
#11
Tert butyl alcohol
Concen: 21.64 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

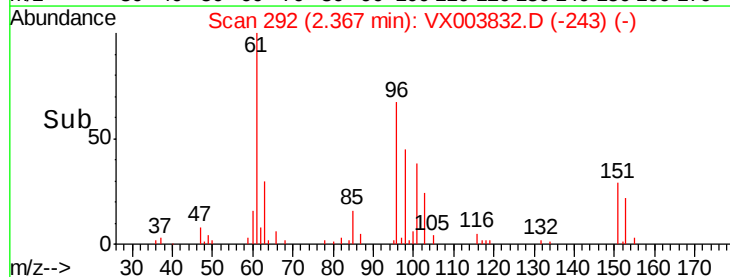
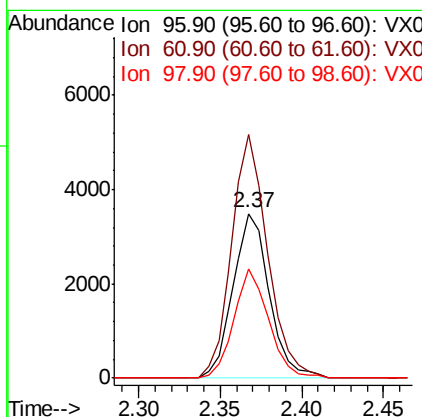
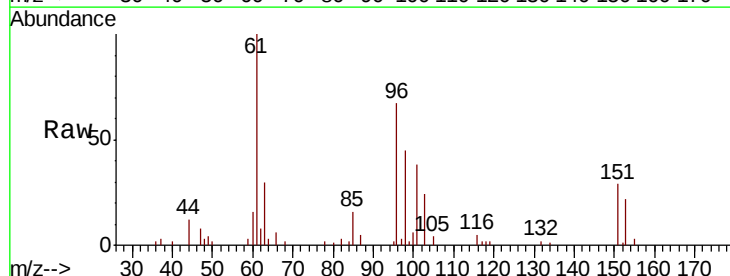
Manual Integrations
APPROVED

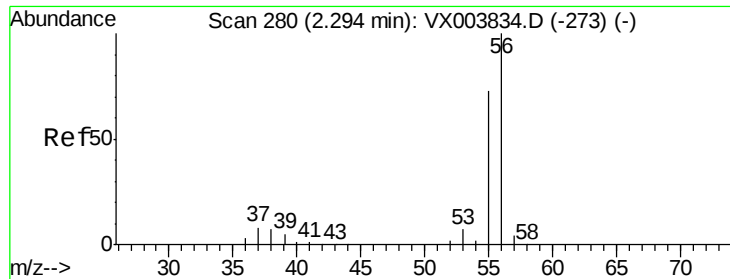
MMDadoda
8/6/2018 1:35:36 PM



#12
1,1-Dichloroethene
Concen: 4.63 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.2	122.8	184.2
98	66.5	51.8	77.8





#13

Acrolein

Concen: 34.36 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 6462

Ion Ratio Lower Upper

56 100

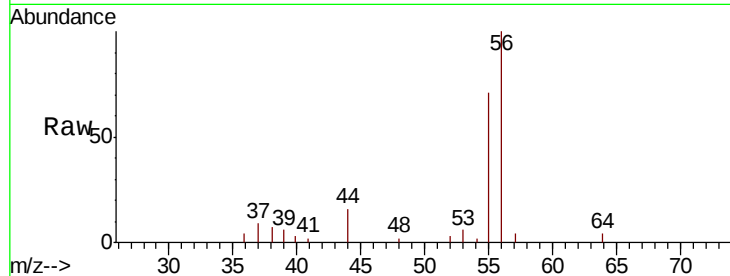
55 69.1 57.7 86.5

Manual Integrations

APPROVED

MMDadoda

8/6/2018 1:35:36 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

4000

3000

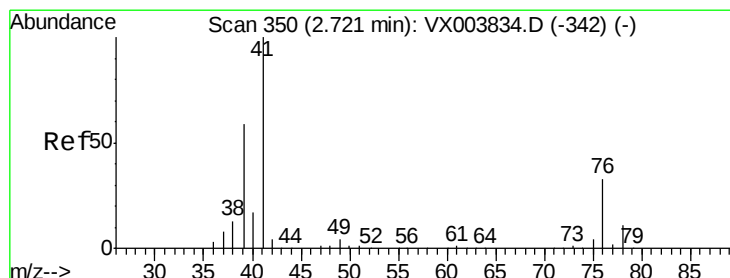
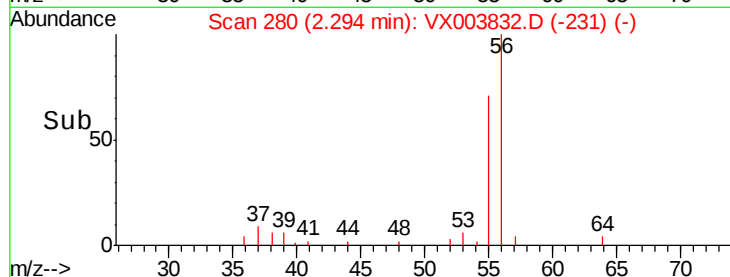
2000

1000

0

Time-->

2.25 2.30 2.35



#14

Allyl chloride

Concen: 4.00 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

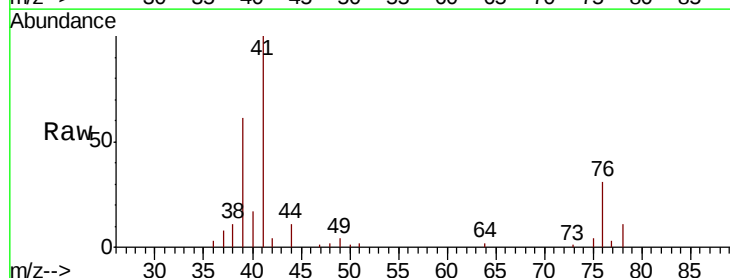
Tgt Ion: 41 Resp: 9654

Ion Ratio Lower Upper

41 100

39 59.9 46.1 69.1

76 32.7 26.8 40.2



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

2.72

6000

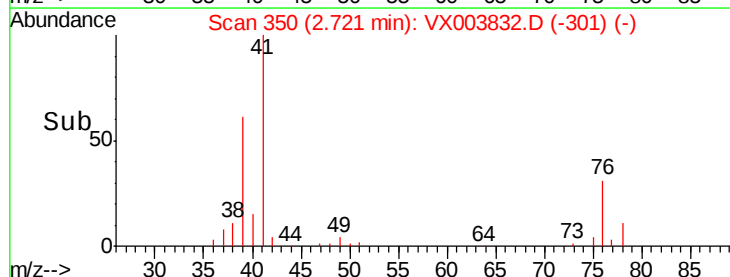
4000

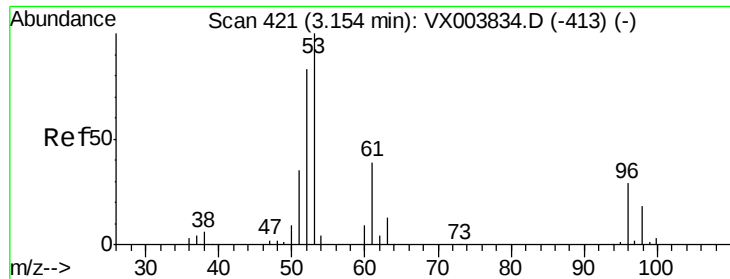
2000

0

Time-->

2.70 2.80





#15

Acrylonitrile

Concen: 20.56 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Instrument :

MSVOA_X

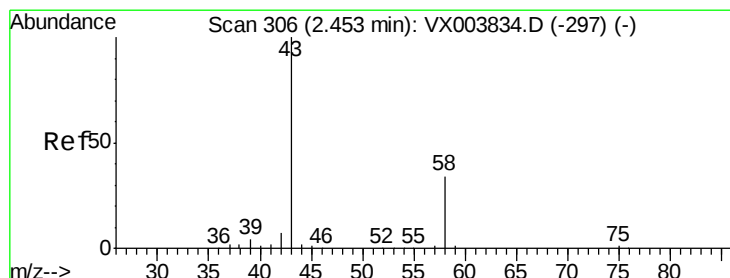
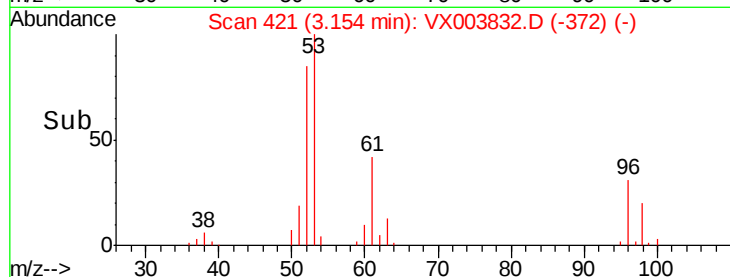
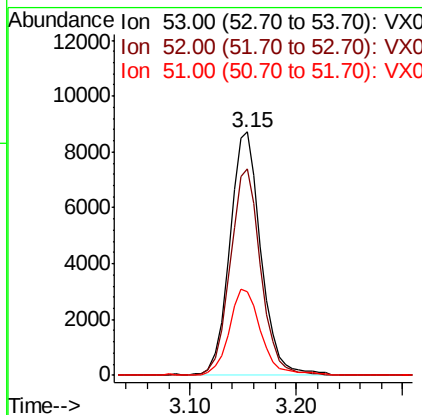
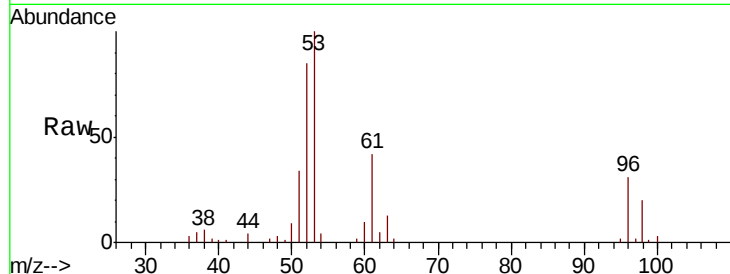
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	17898
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.9	98.9
51	36.2	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
8/6/2018 1:35:36 PM



#16

Acetone

Concen: 25.04 ug/l

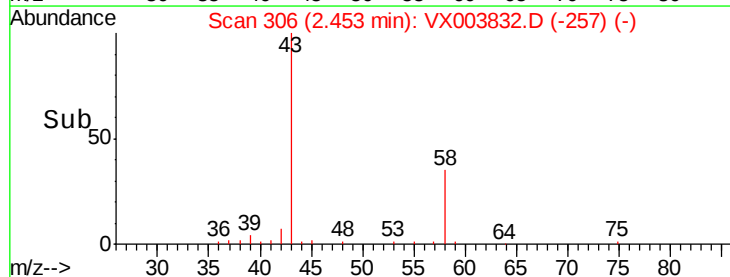
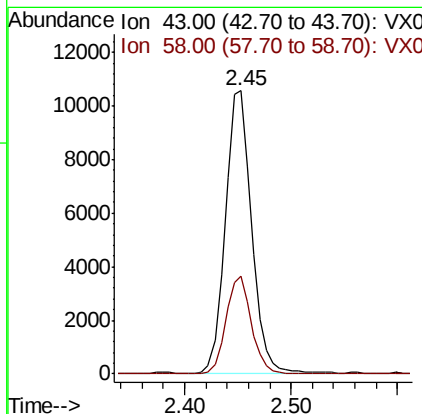
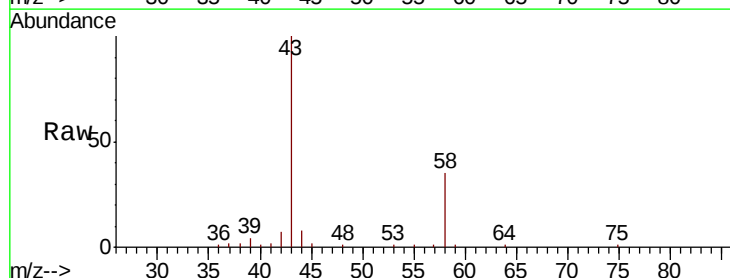
RT: 2.45 min Scan# 306

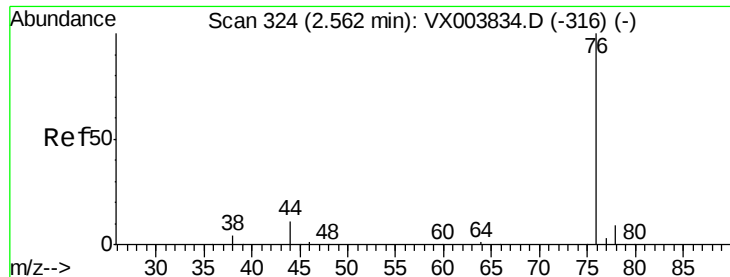
Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Tgt Ion:	43	Resp:	18349
Ion	Ratio	Lower	Upper
43	100		
58	34.7	27.0	40.4





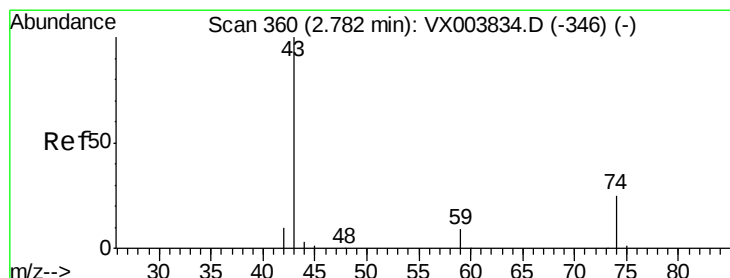
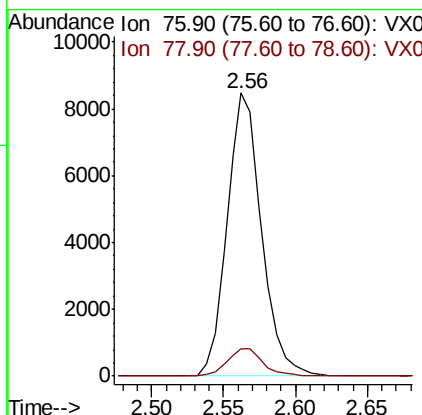
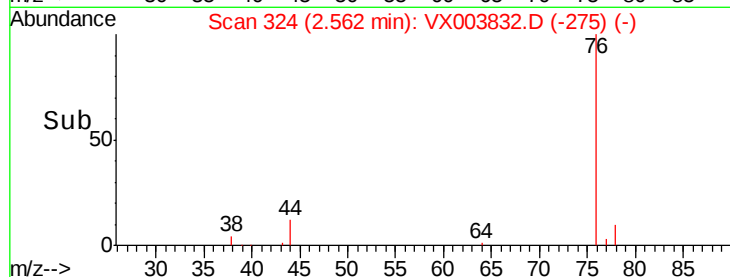
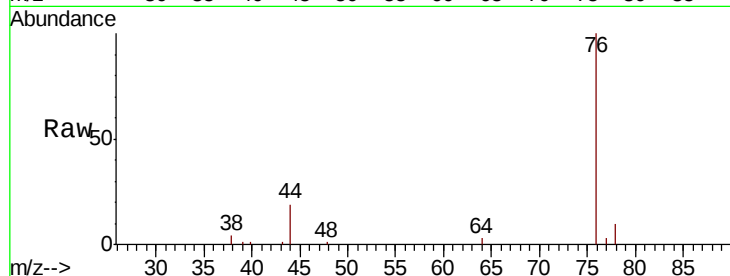
#17
Carbon Disulfide
Concen: 4.22 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 14160
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0

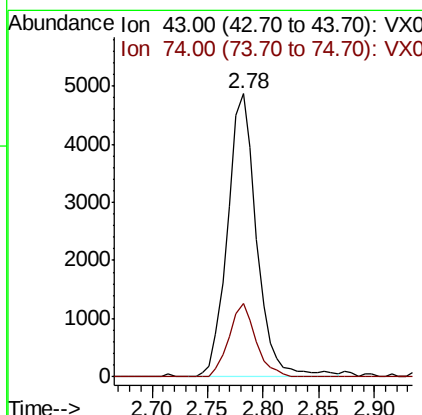
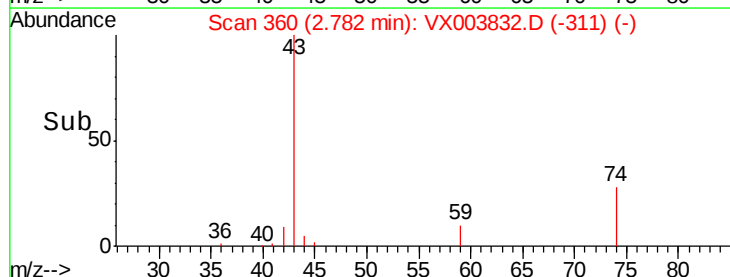
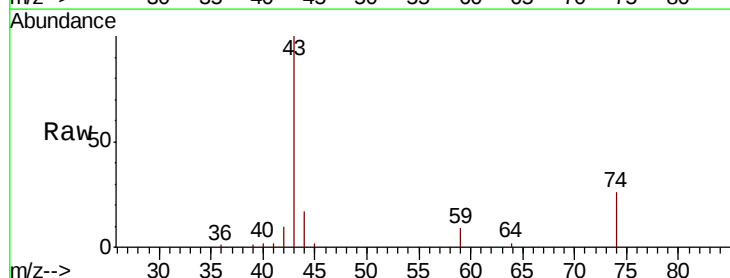
Manual Integrations
APPROVED

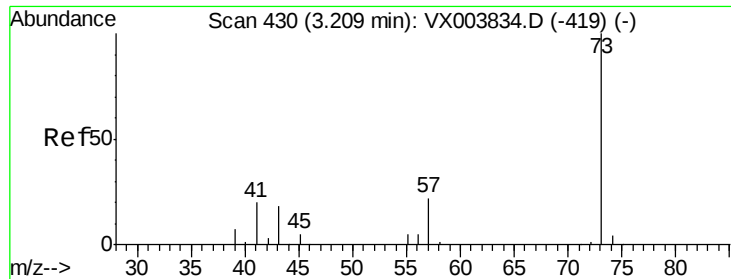
MMDadoda
8/6/2018 1:35:36 PM



#18
Methyl Acetate
Concen: 4.17 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Tgt Ion: 43 Resp: 8841
Ion Ratio Lower Upper
43 100
74 23.7 19.2 28.8





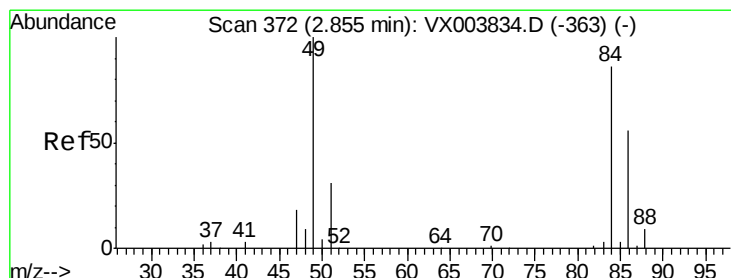
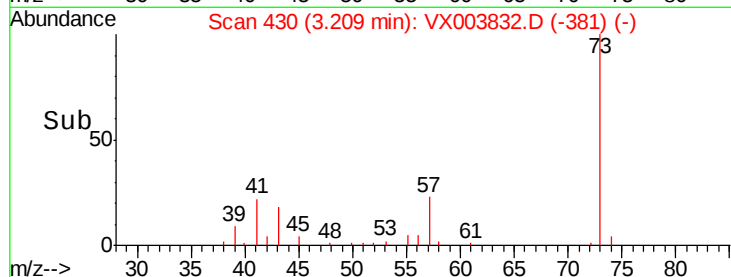
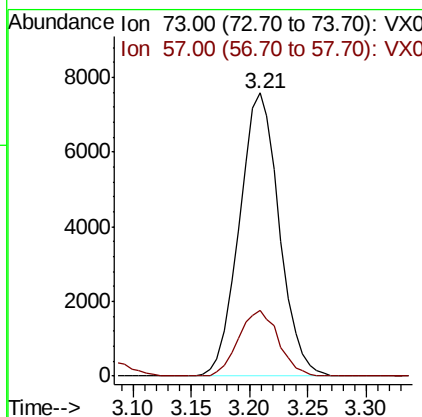
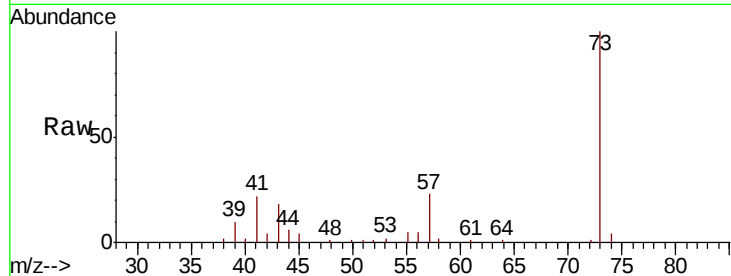
#19
Methyl tert-butyl Ether
Concen: 4.30 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 18033
Ion Ratio Lower Upper
73 100
57 23.1 17.5 26.3

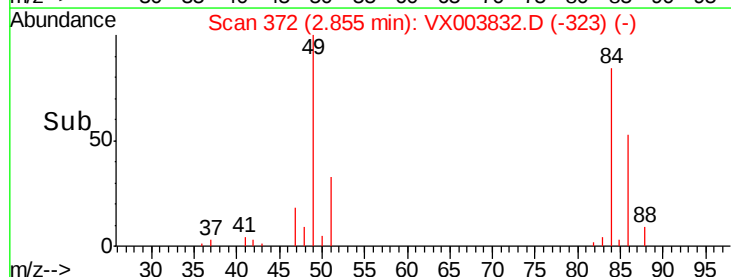
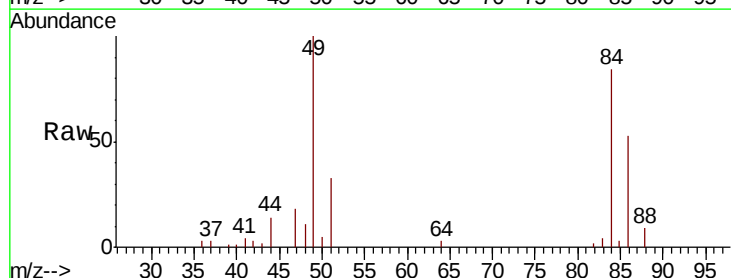
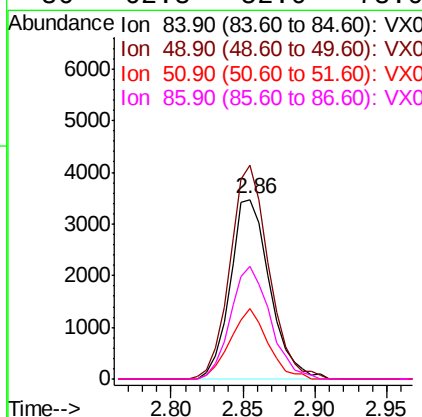
Manual Integrations
APPROVED

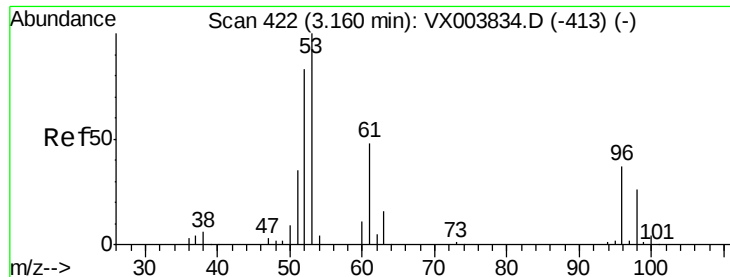
MMDadoda
8/6/2018 1:35:36 PM



#20
Methylene Chloride
Concen: 4.70 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Tgt Ion: 84 Resp: 6646
Ion Ratio Lower Upper
84 100
49 118.9 93.2 139.8
51 39.5 29.2 43.8
86 62.8 52.0 78.0





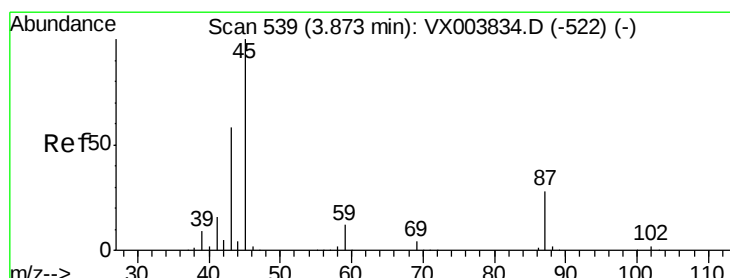
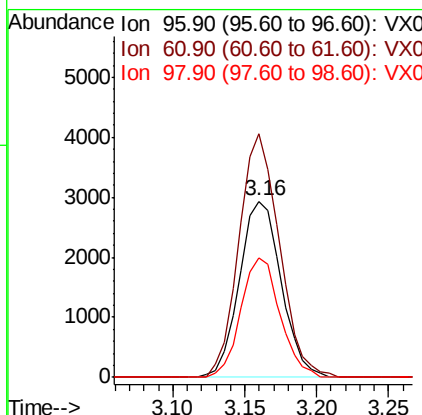
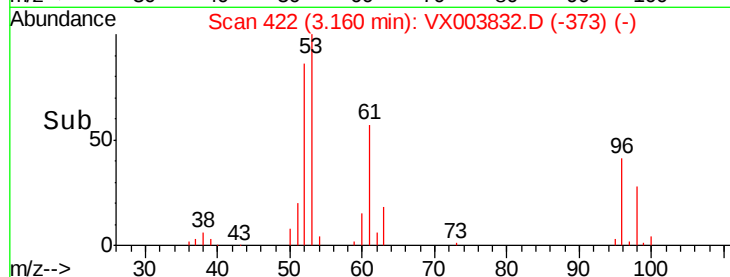
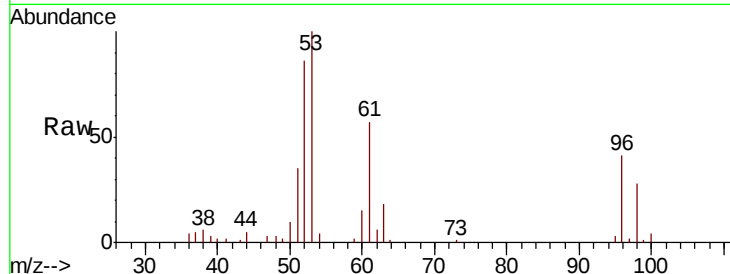
#21
trans-1,2-Dichloroethene
Concen: 4.65 ug/l
RT: 3.16 min Scan# 422
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.0	104.2	156.4
98	68.1	57.0	85.6

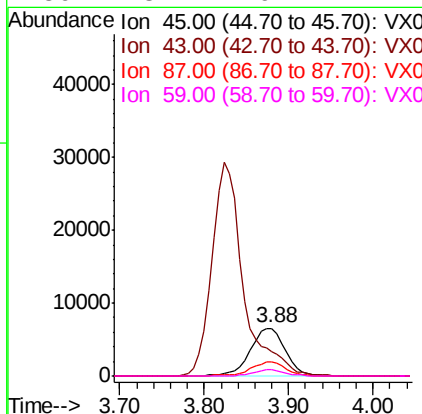
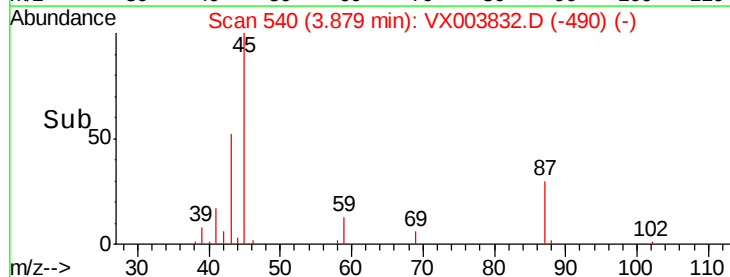
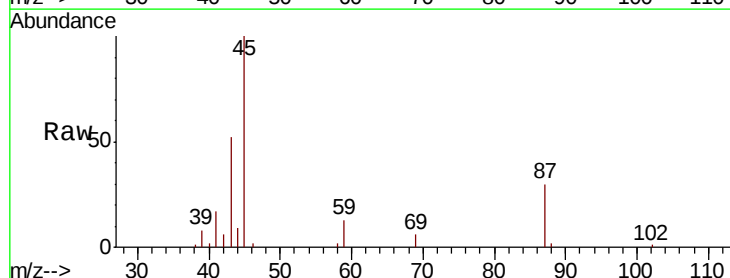
Manual Integrations
APPROVED

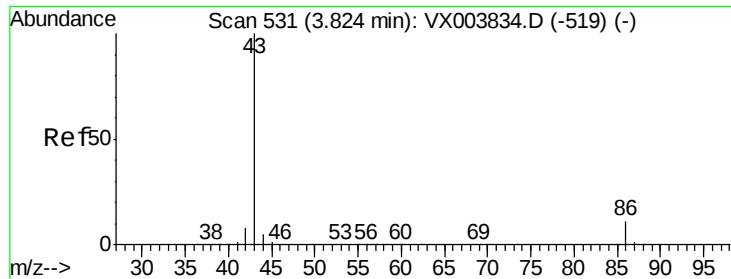
MMDadoda
8/6/2018 1:35:36 PM



#22
Diisopropyl ether
Concen: 4.20 ug/l
RT: 3.88 min Scan# 540
Delta R.T. 0.01 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	50.5	46.4	69.6
87	29.8	22.4	33.6
59	13.4	9.4	14.2





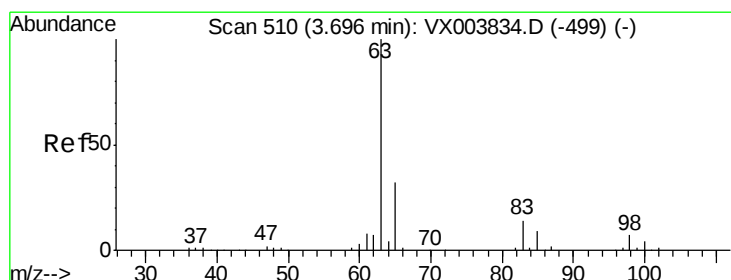
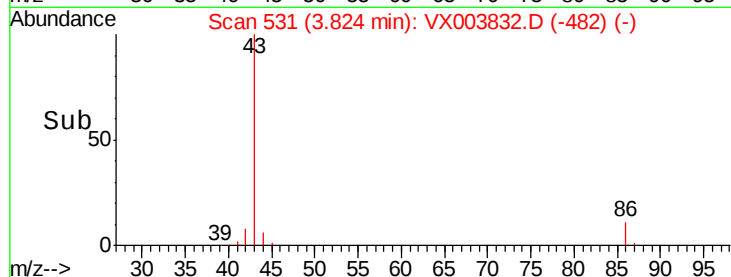
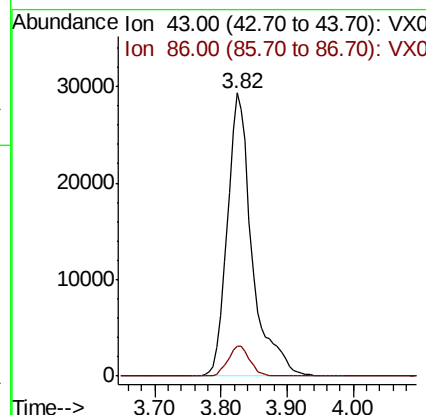
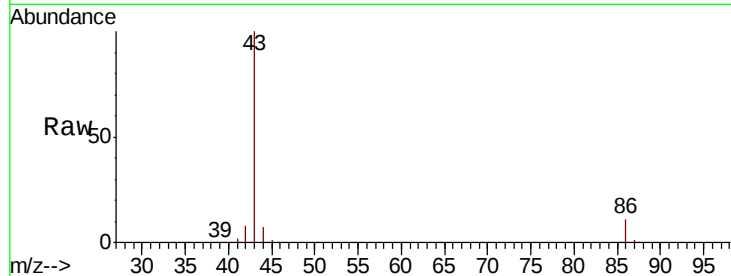
#23
 Vinyl Acetate
 Concen: 19.93 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VX003832.D
 Acq: 02 Aug 2018 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	76144
Ion Ratio	100	Lower	Upper
43	100		
86	10.6	8.8	13.2

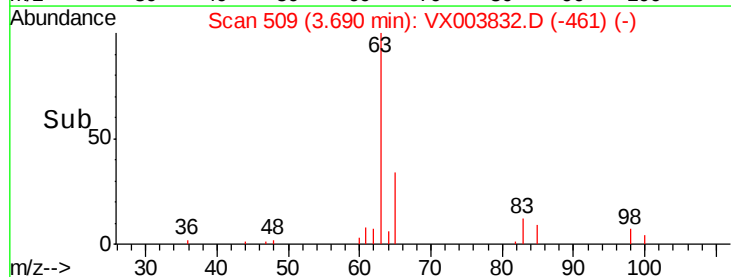
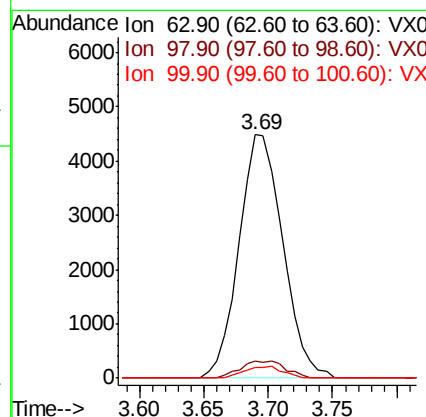
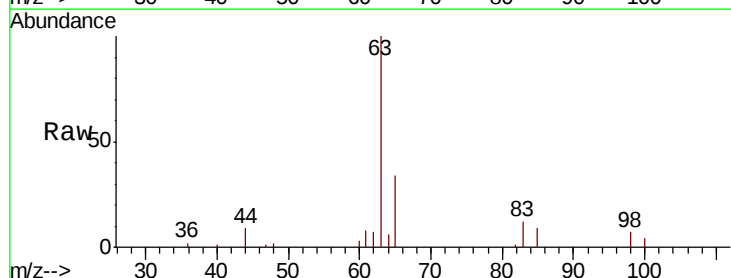
Manual Integrations
 APPROVED

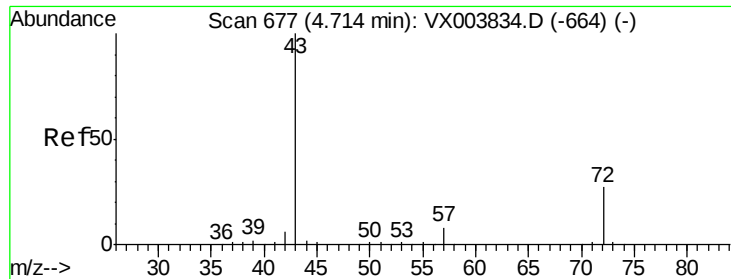
MMDadoda
 8/6/2018 1:35:36 PM



#24
 1,1-Dichloroethane
 Concen: 4.21 ug/l
 RT: 3.69 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VX003832.D
 Acq: 02 Aug 2018 19:22

Tgt Ion	63	Resp	10605
Ion Ratio	100	Lower	Upper
63	100		
98	7.0	3.3	9.9
100	4.4	2.3	6.8





#25

2-Butanone

Concen: 26.37 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 30503

Ion Ratio Lower Upper

43 100

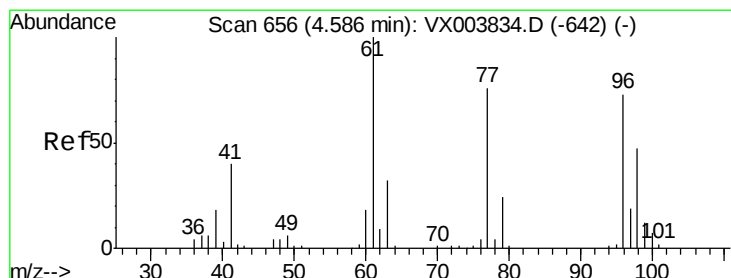
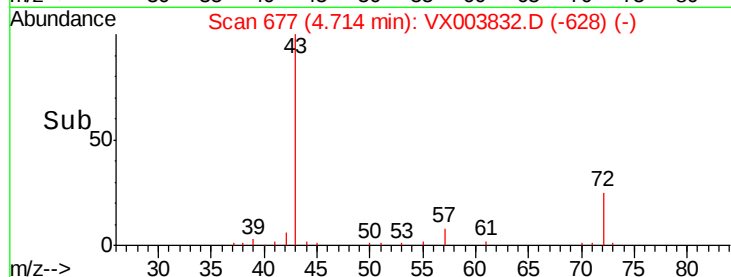
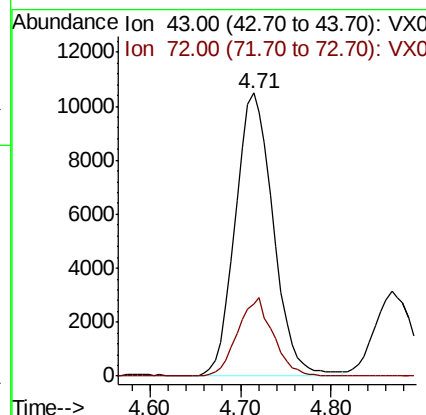
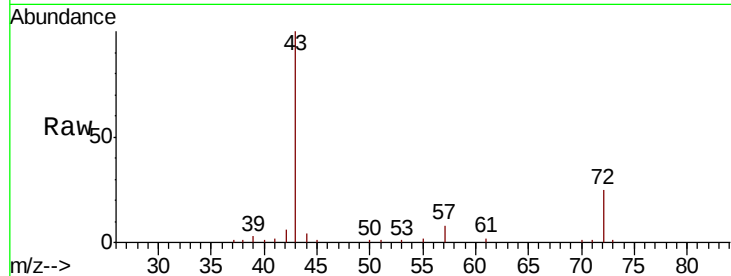
72 25.4 21.5 32.3

Manual Integrations

APPROVED

MMDadoda

8/6/2018 1:35:36 PM



#26

2,2-Dichloropropane

Concen: 4.66 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003832.D

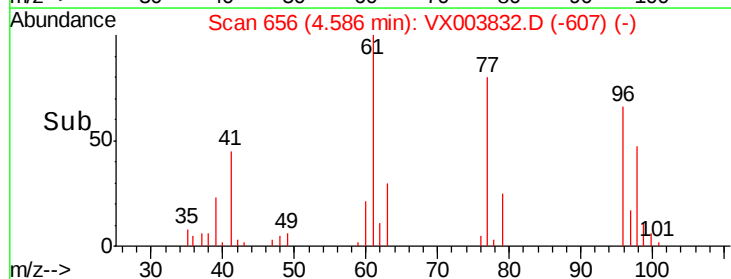
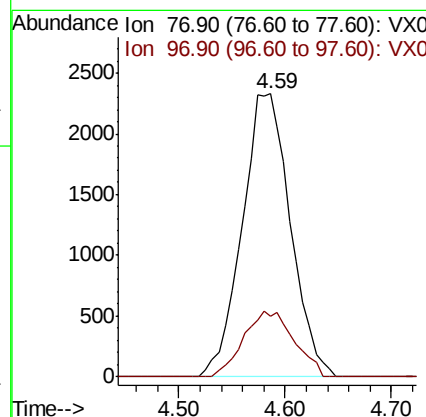
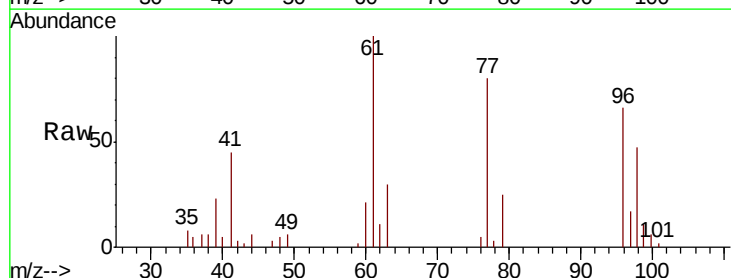
Acq: 02 Aug 2018 19:22

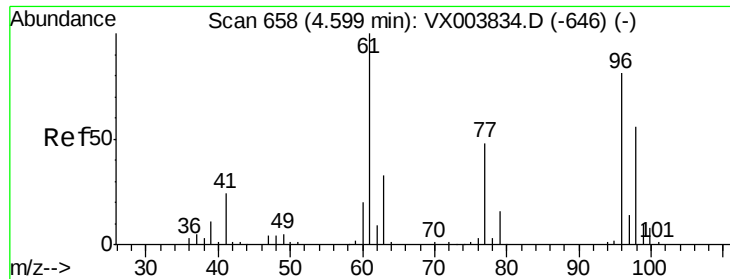
Tgt Ion: 77 Resp: 7381

Ion Ratio Lower Upper

77 100

97 24.3 12.8 38.3





#27

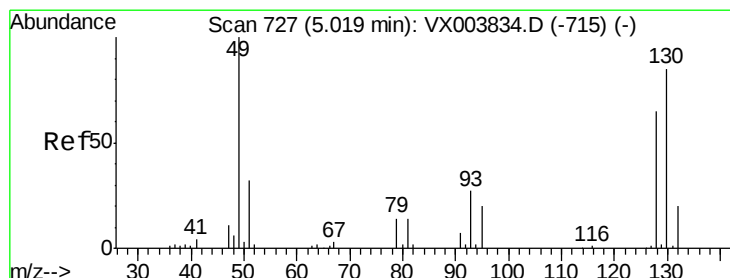
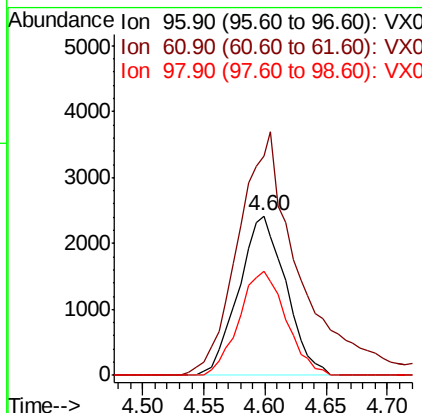
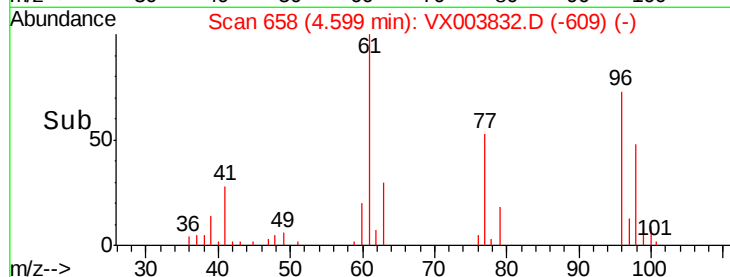
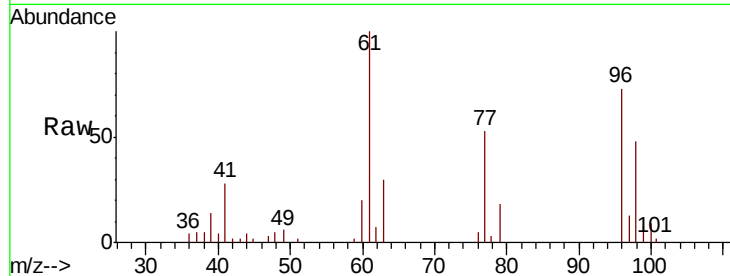
cis-1,2-Dichloroethene
Concen: 4.63 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	203.5	0.0	283.6
98	64.8	0.0	130.0

Manual Integrations
APPROVED

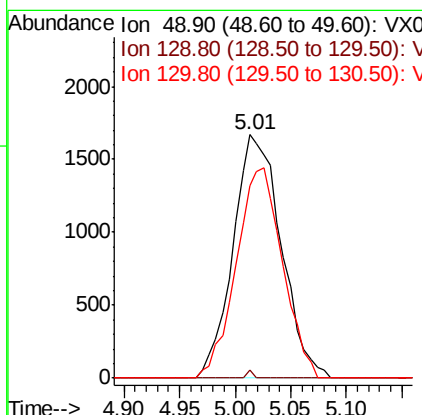
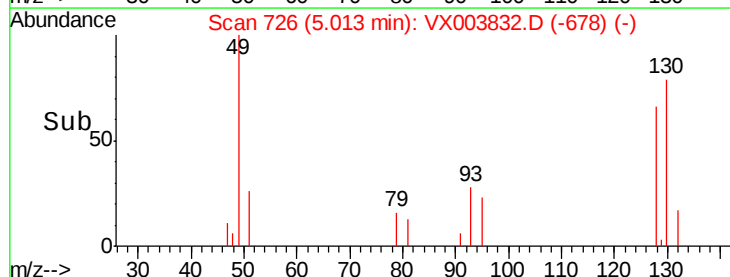
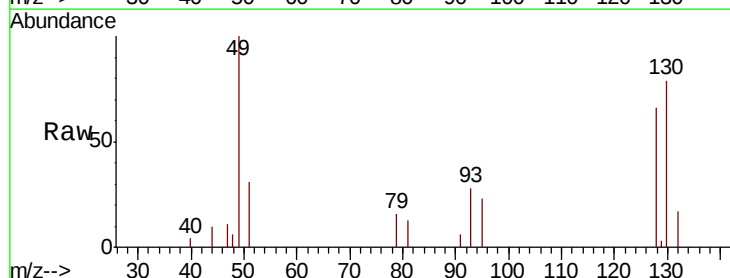
MMDadoda
8/6/2018 1:35:36 PM

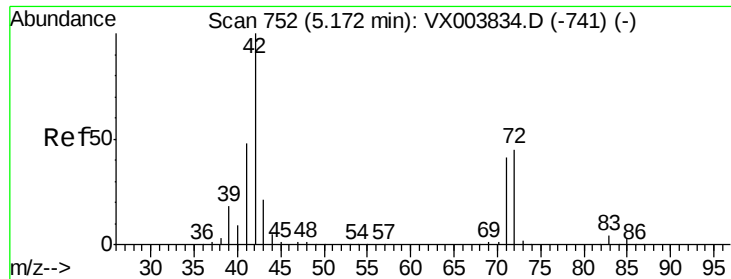


#28

Bromochloromethane
Concen: 4.75 ug/l
RT: 5.01 min Scan# 726
Delta R.T. -0.01 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	4.2
130	83.0	68.9	103.3





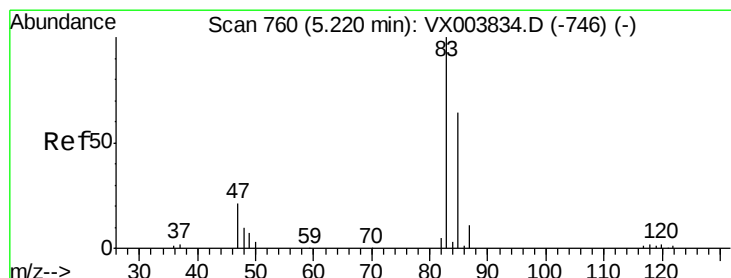
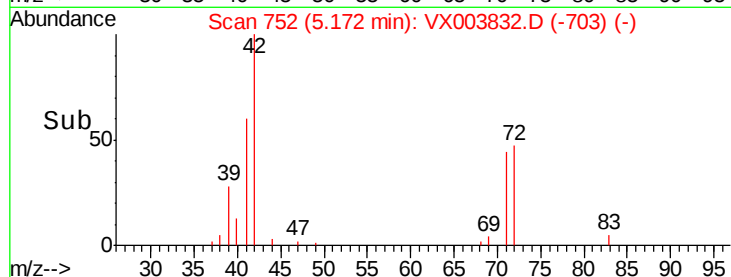
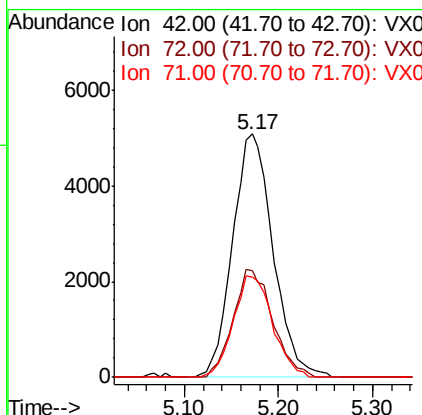
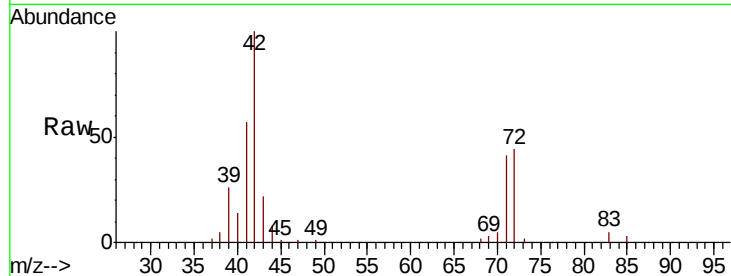
#29
Tetrahydrofuran
Concen: 21.24 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	36.1	54.1
71	40.4	33.6	50.4

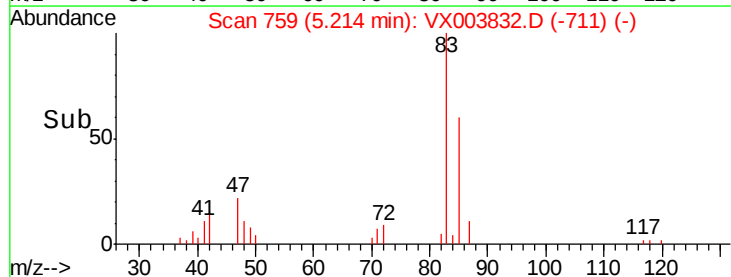
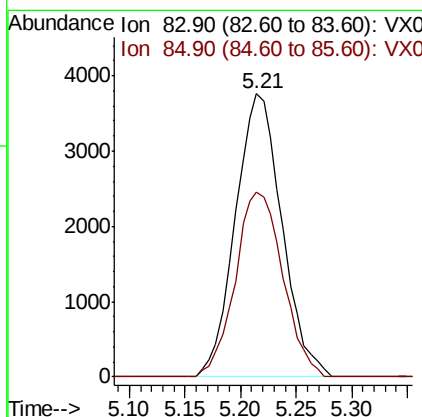
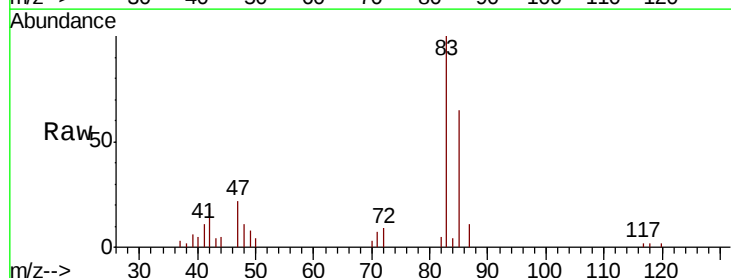
Manual Integrations
APPROVED

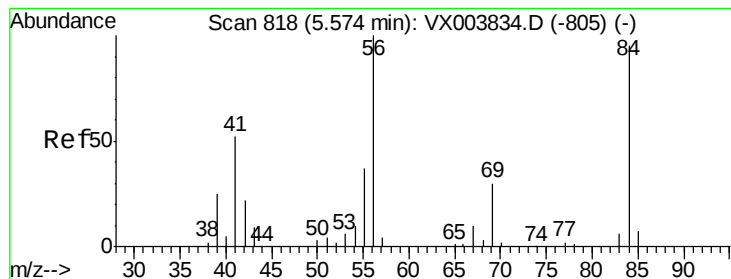
MMDadoda
8/6/2018 1:35:36 PM



#30
Chloroform
Concen: 4.68 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.5	77.3





#31

Cyclohexane

Concen: 4.36 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Instrument :

MSVOA_X

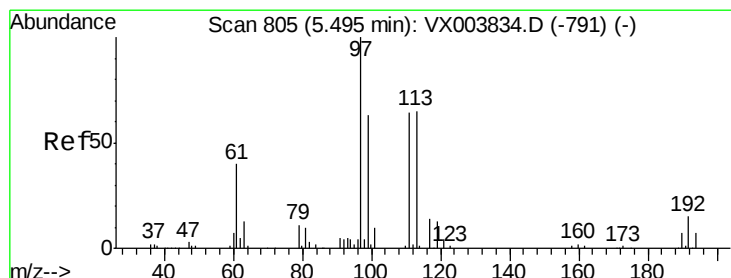
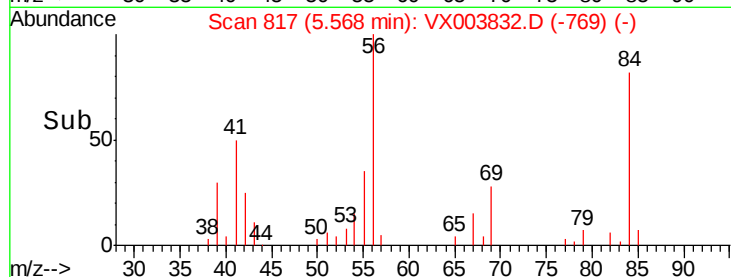
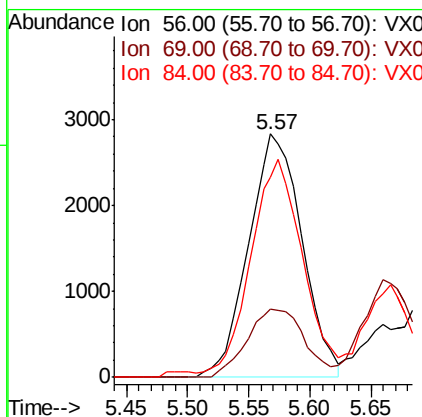
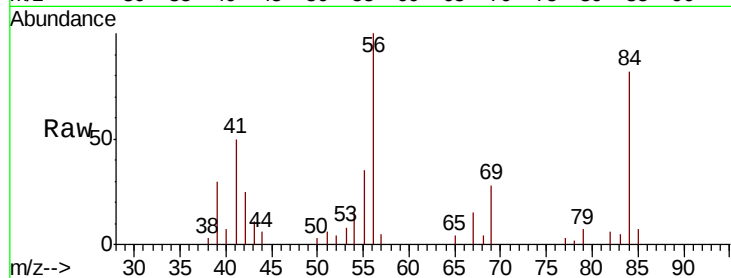
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	8587
Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.7	35.5
84	79.6	75.7	113.5

Manual Integrations
APPROVED

MMDadoda
8/6/2018 1:35:36 PM



#32

1,1,1-Trichloroethane

Concen: 4.71 ug/l

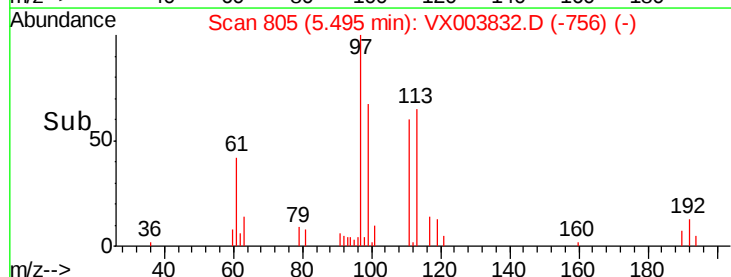
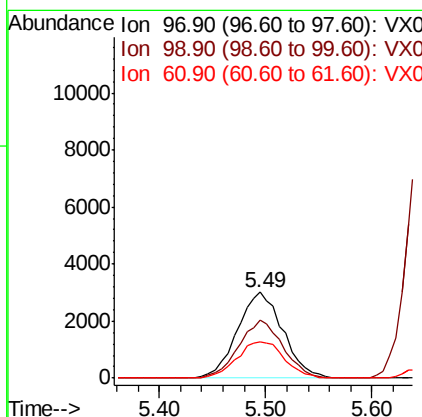
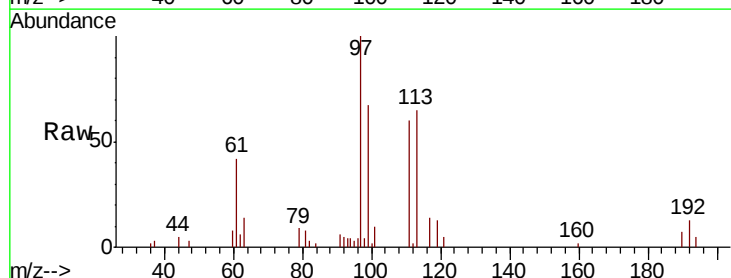
RT: 5.49 min Scan# 805

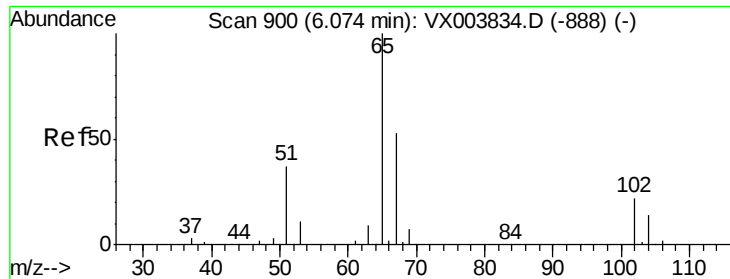
Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Tgt Ion:	97	Resp:	8996
Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.8	77.6
61	43.9	33.3	49.9





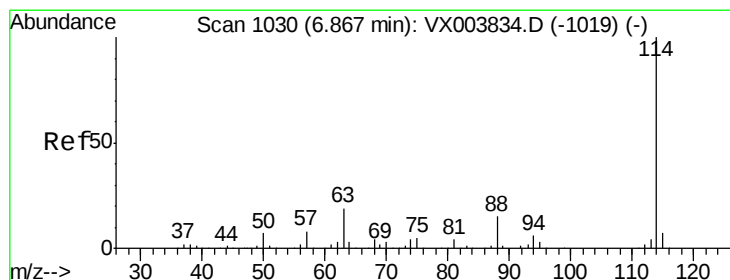
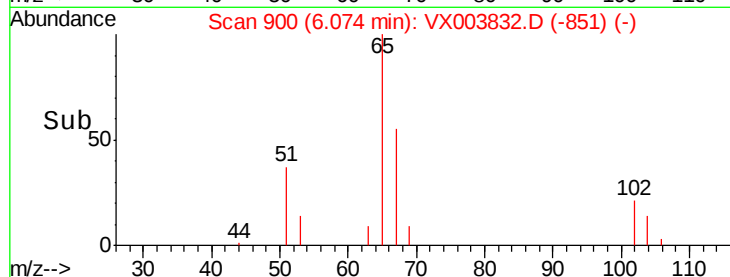
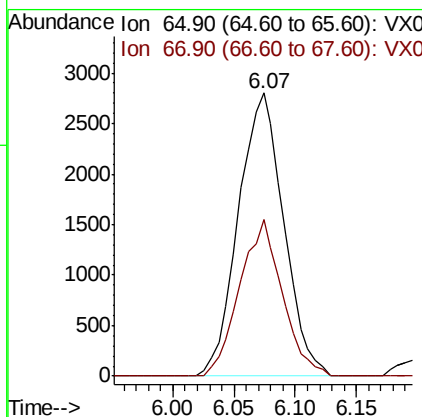
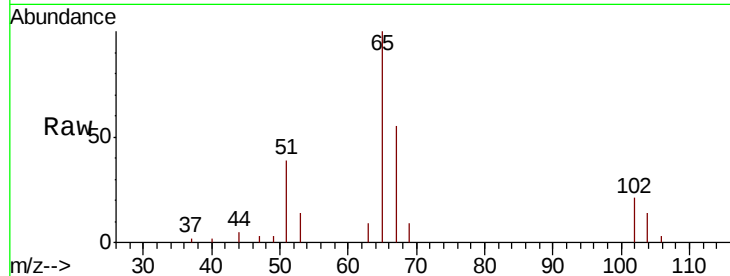
#33
 1,2-Dichloroethane-d4
 Concen: 4.70 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX003832.D
 Acq: 02 Aug 2018 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	107.2

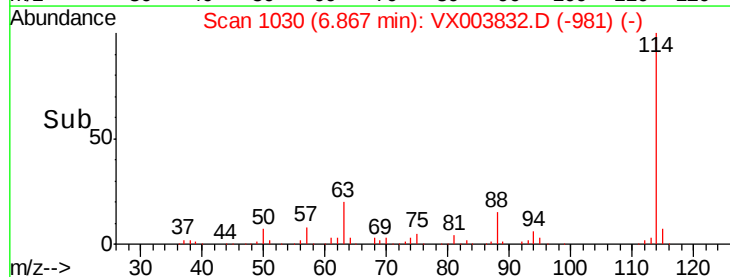
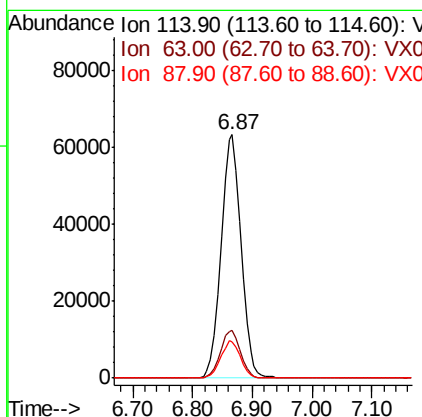
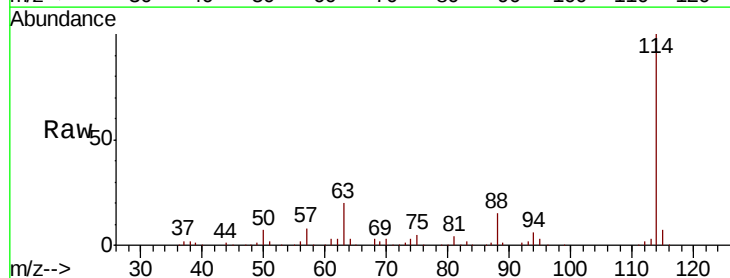
Manual Integrations
 APPROVED

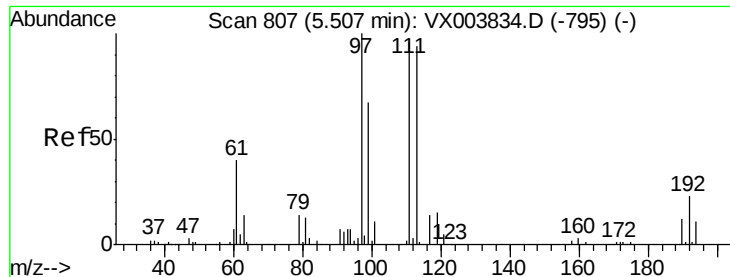
MMDadoda
 8/6/2018 1:35:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003832.D
 Acq: 02 Aug 2018 19:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	38.2
88	14.8	0.0	29.6





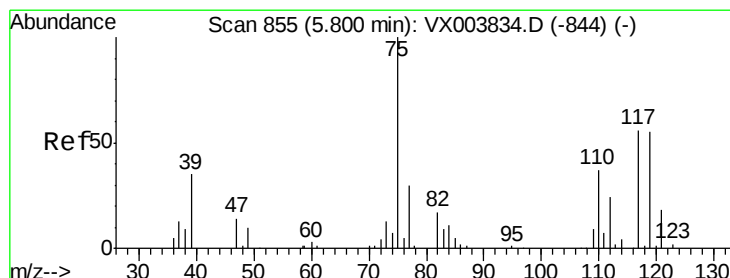
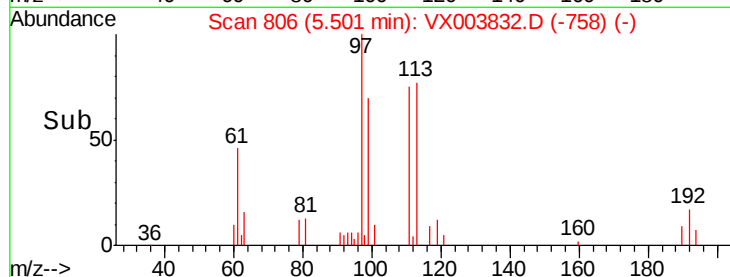
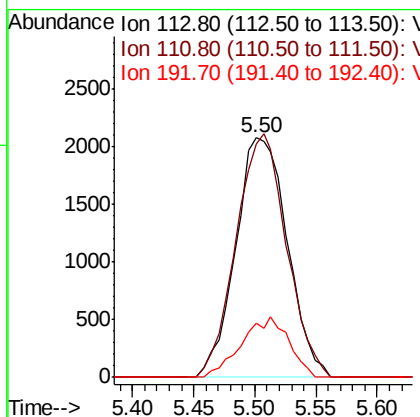
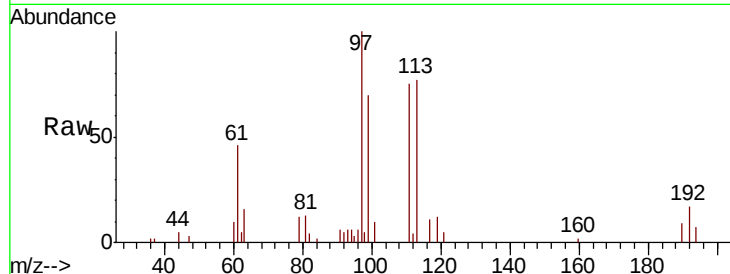
#35
 Dibromofluoromethane
 Concen: 5.04 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX003832.D
 Acq: 02 Aug 2018 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.3	81.1	121.7
192	23.0	19.7	29.5

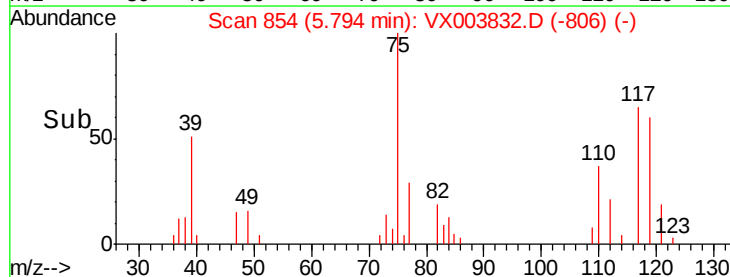
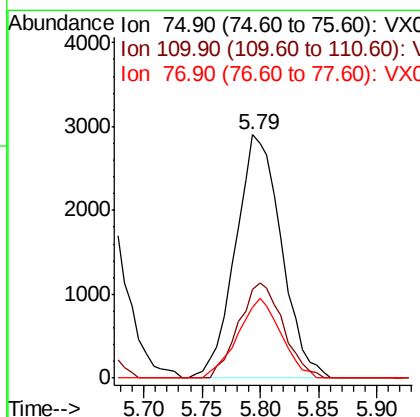
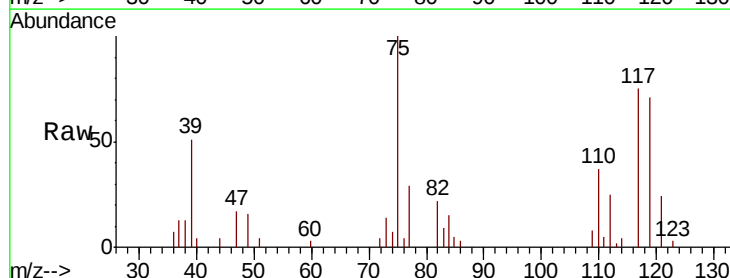
Manual Integrations
 APPROVED

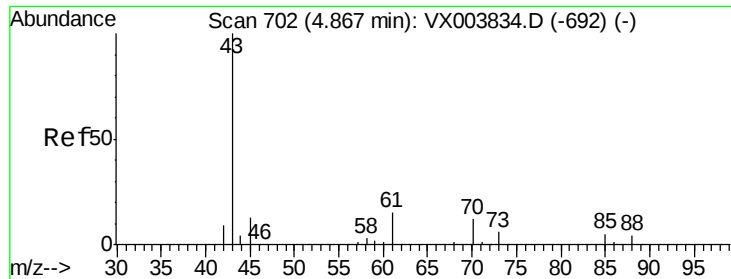
MMDadoda
 8/6/2018 1:35:36 PM



#36
 1,1-Dichloropropene
 Concen: 4.70 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX003832.D
 Acq: 02 Aug 2018 19:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.8	18.6	55.8
77	30.7	24.9	37.3





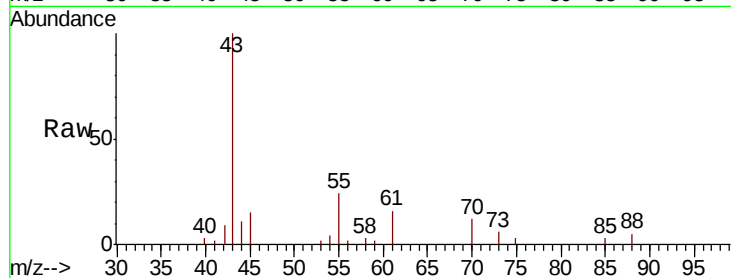
#37
Ethyl Acetate
Concen: 4.51 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	12.4	18.6
70	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/6/2018 1:35:36 PM

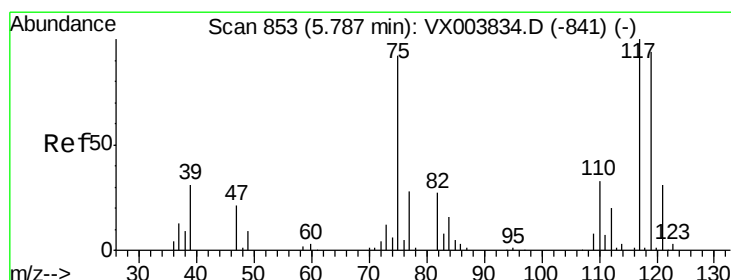
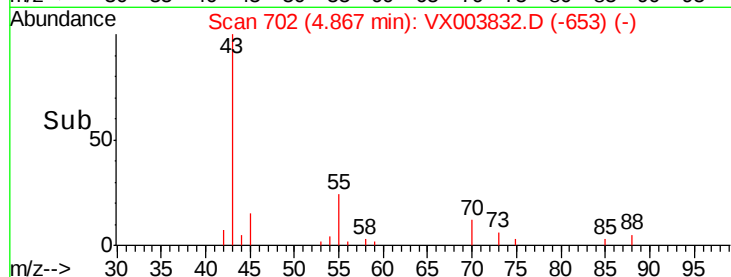
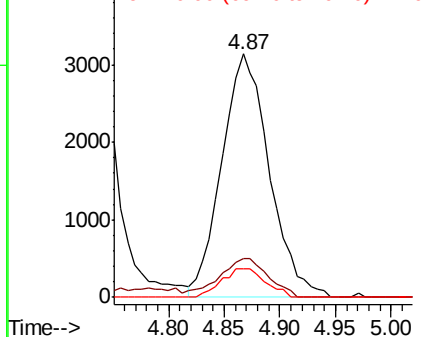


Abundance

Ion 43.00 (42.70 to 43.70): VX0

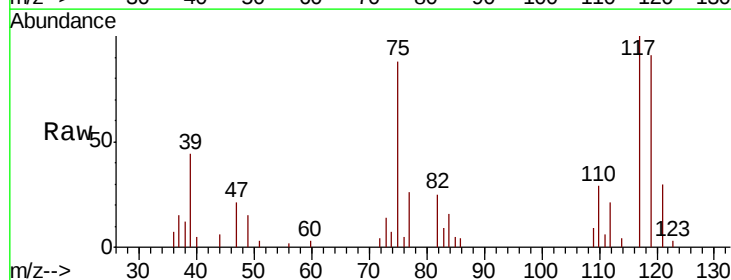
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 4.90 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	74.6	112.0
121	30.5	24.4	36.6

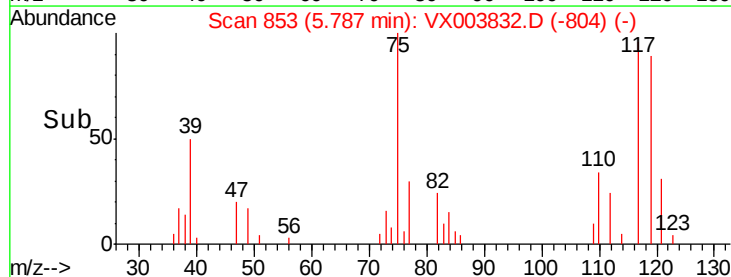
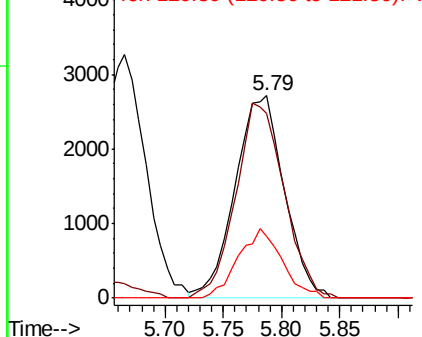


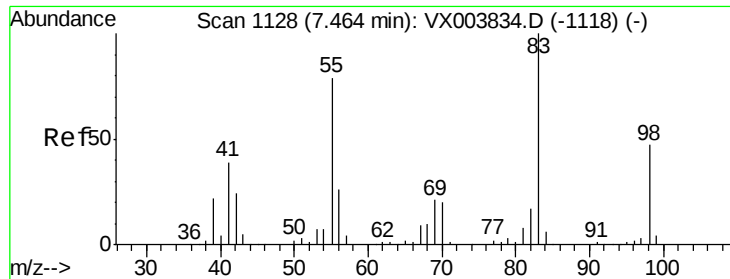
Abundance

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





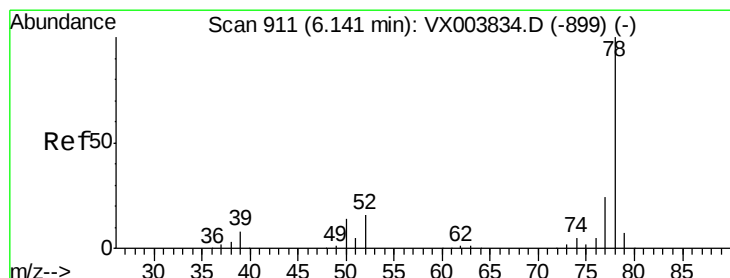
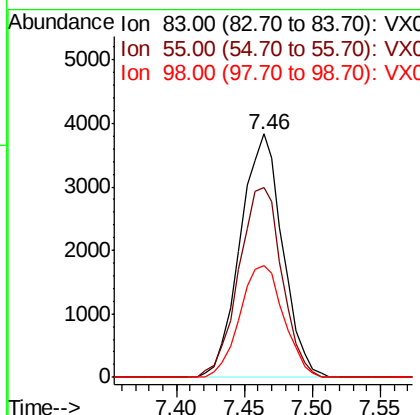
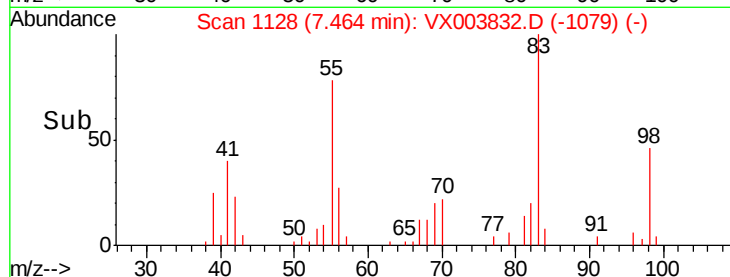
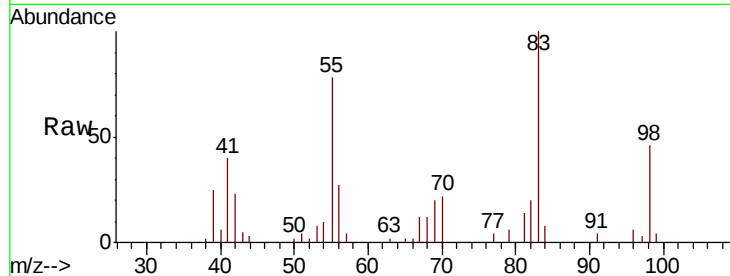
#39
Methvlcvclohexane
Concen: 4.62 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	63.1	94.7
98	46.1	37.5	56.3

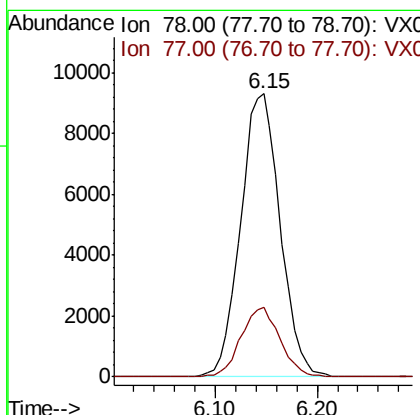
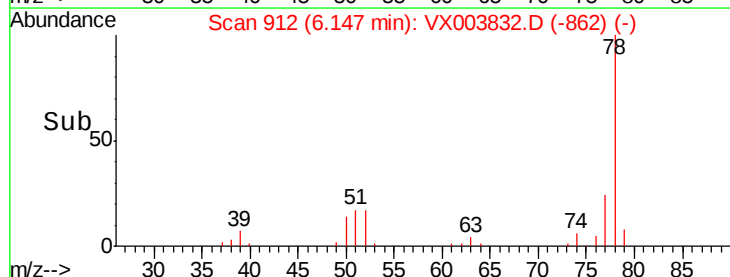
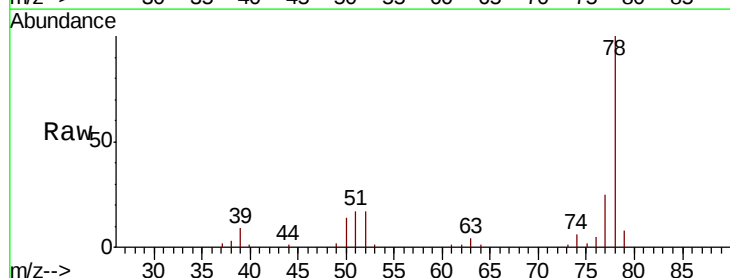
Manual Integrations
APPROVED

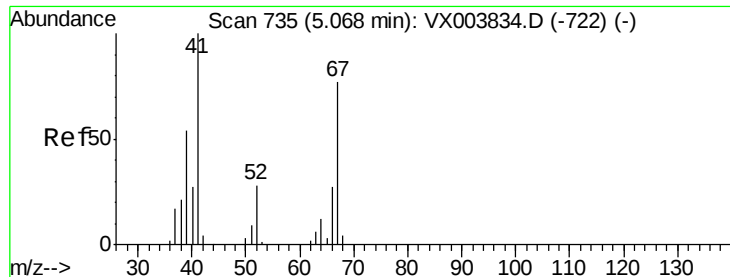
MMDadoda
8/6/2018 1:35:36 PM



#40
Benzene
Concen: 4.91 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.9	28.3





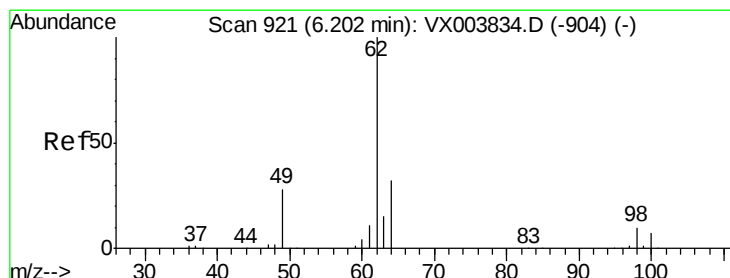
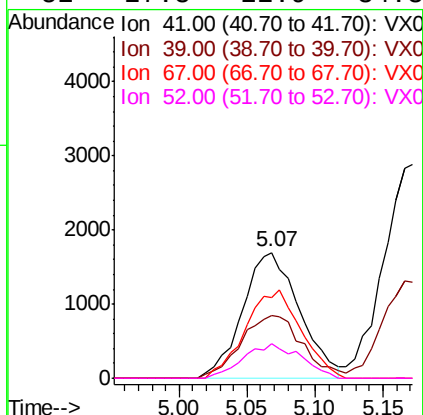
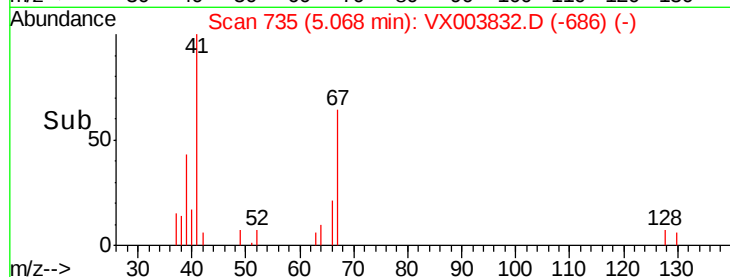
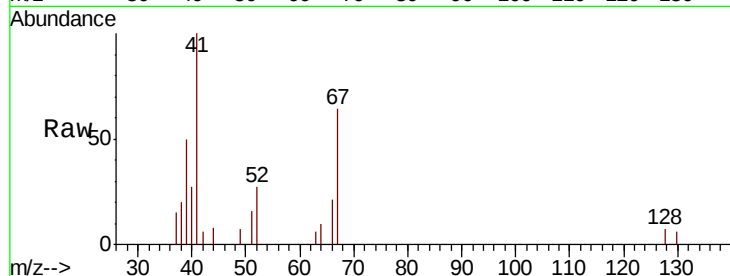
#41
Methacrylonitrile
Concen: 4.32 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	4938
Ion	Ratio	Lower	Upper
41	100		
39	54.4	42.5	63.7
67	68.8	58.8	88.2
52	27.8	22.9	34.3

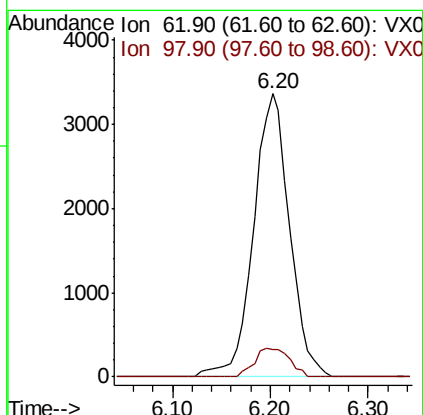
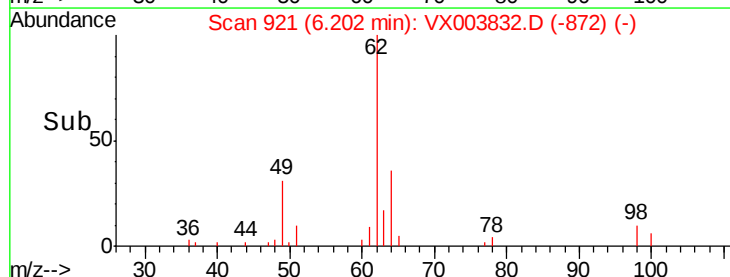
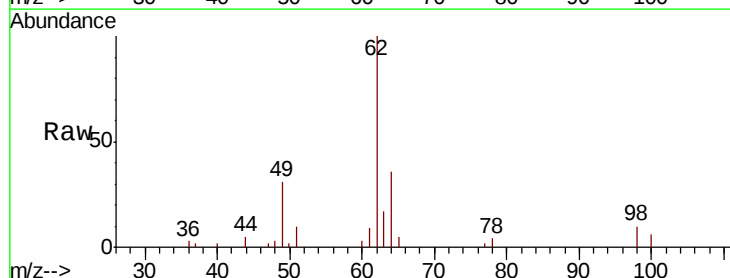
Manual Integrations
APPROVED

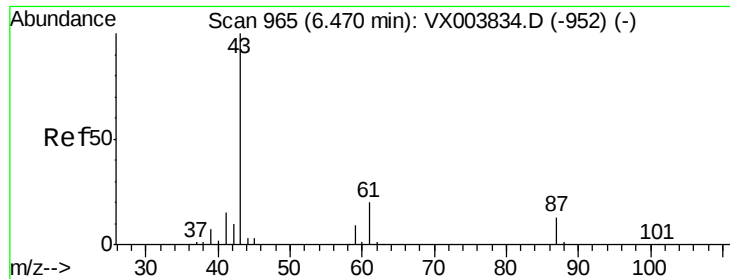
MMDadoda
8/6/2018 1:35:36 PM



#42
1,2-Dichloroethane
Concen: 4.79 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Tgt Ion:	62	Resp:	8588
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.6





#43

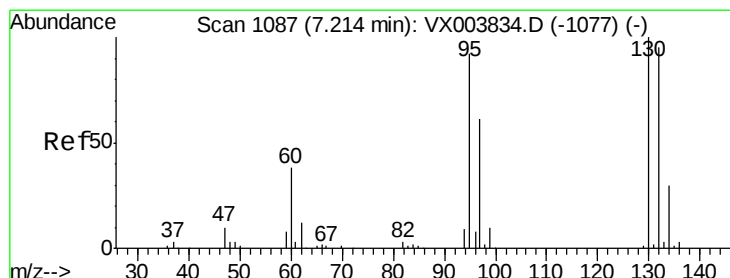
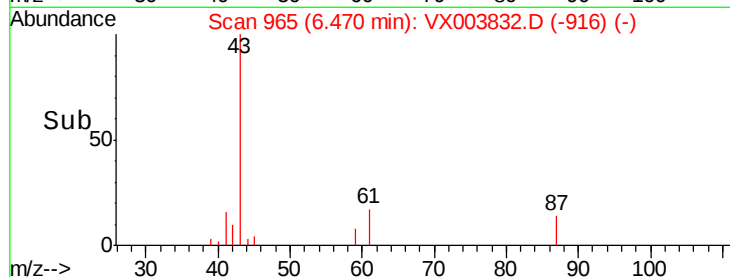
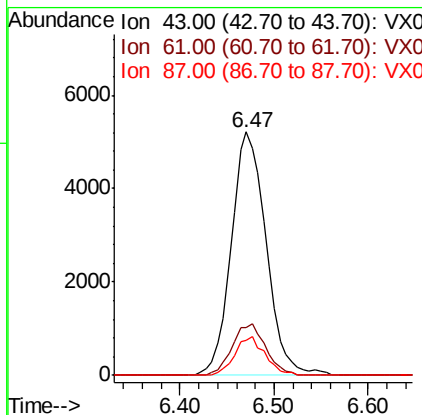
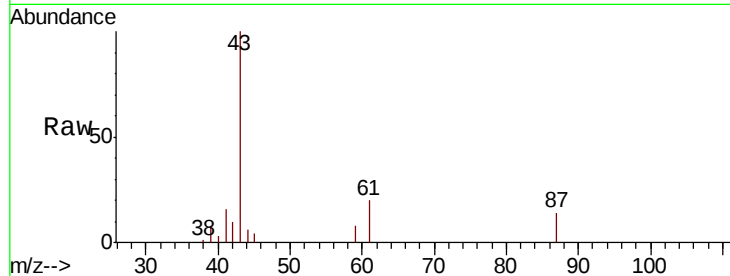
Isopropyl Acetate
 Concen: 4.46 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX003832.D
 Acq: 02 Aug 2018 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	43	61	87
Resp	13434		
Ratio	100	20.4	13.7
Lower		16.7	10.8
Upper		25.1	16.2

Manual Integrations
 APPROVED

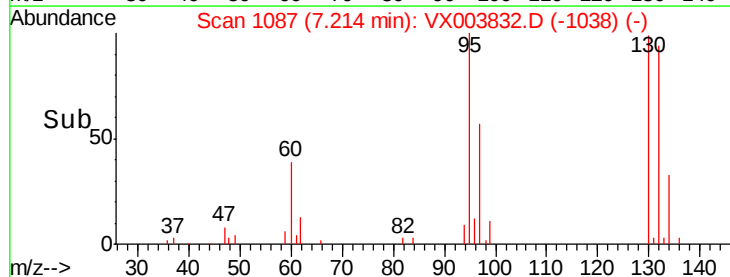
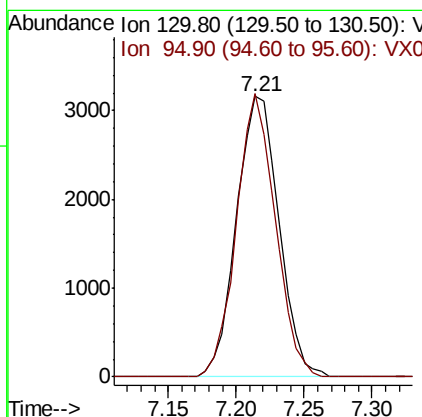
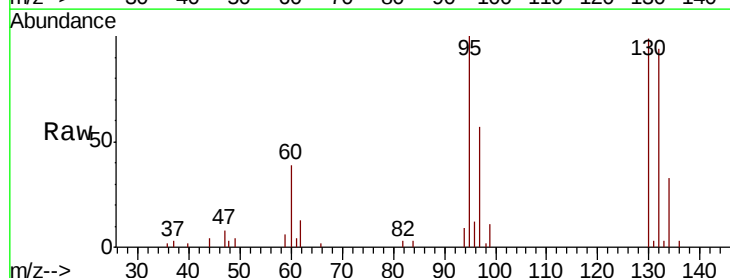
MMDadoda
 8/6/2018 1:35:36 PM

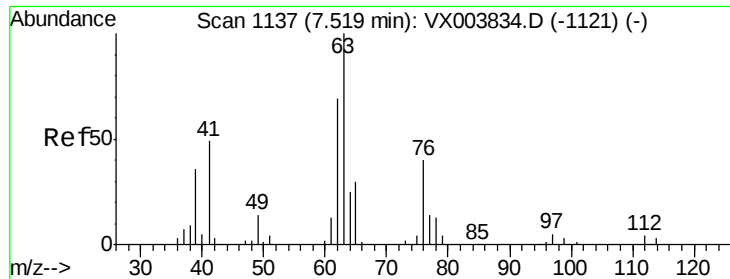


#44

Trichloroethene
 Concen: 5.06 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX003832.D
 Acq: 02 Aug 2018 19:22

Tgt Ion	130	95
Resp	6890	
Ratio	100	100.9
Lower		0.0
Upper		184.8





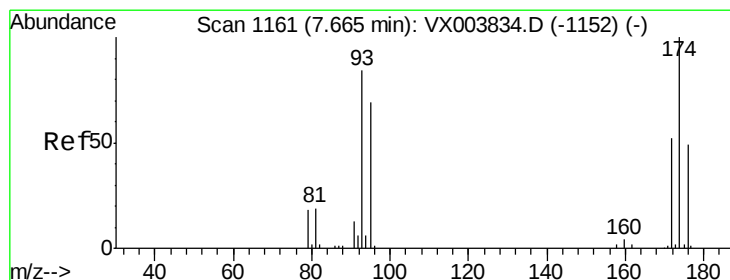
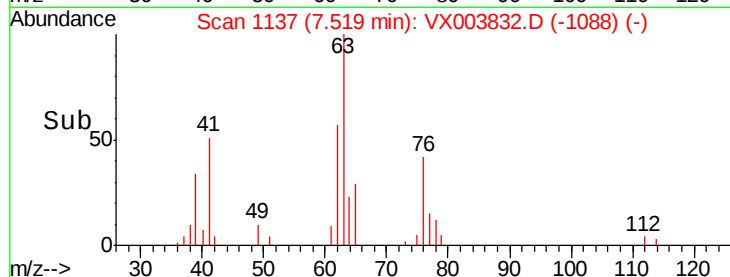
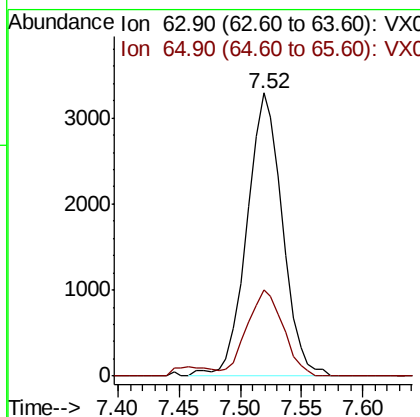
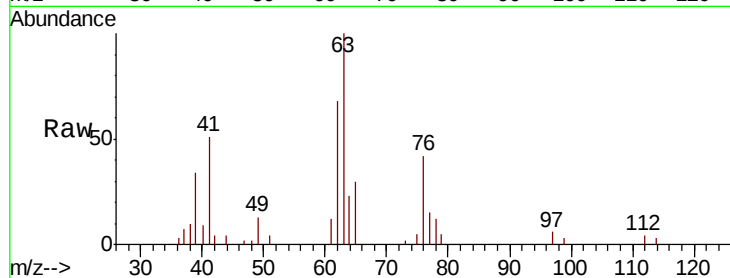
#45
 1,2-Dichloropropane
 Concen: 5.03 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX003832.D
 Acq: 02 Aug 2018 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 6642
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.2 36.4

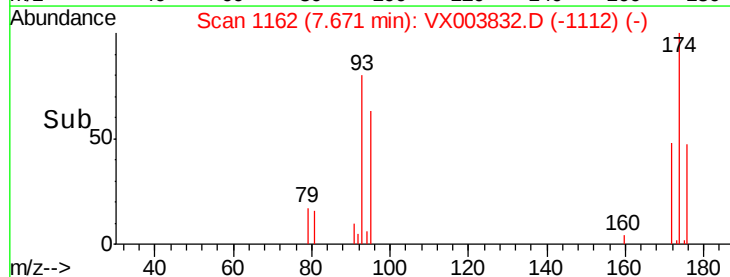
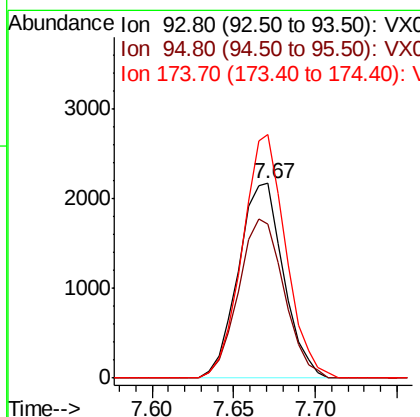
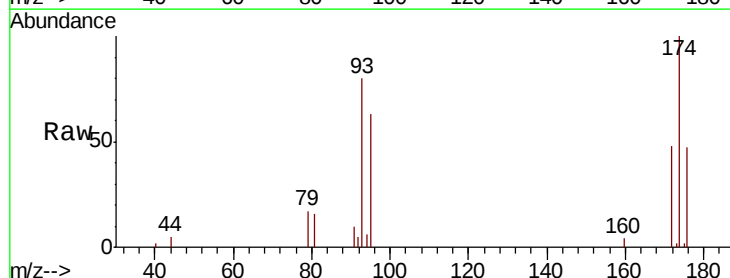
Manual Integrations
 APPROVED

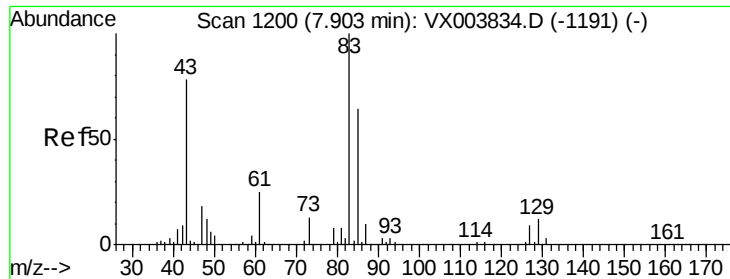
MMDadoda
 8/6/2018 1:35:36 PM



#46
 Dibromomethane
 Concen: 4.88 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VX003832.D
 Acq: 02 Aug 2018 19:22

Tgt Ion: 93 Resp: 4169
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.0 100.6
 174 120.1 97.4 146.2





#47

Bromodichloromethane

Concen: 4.68 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Instrument :

MSVOA_X

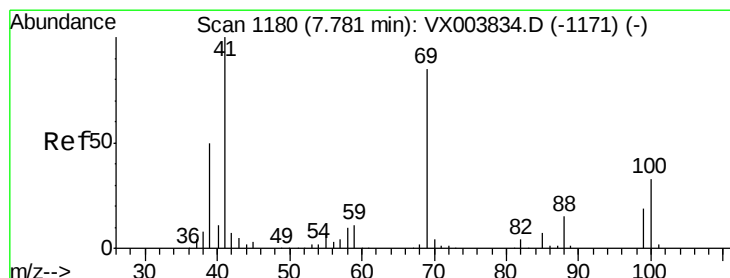
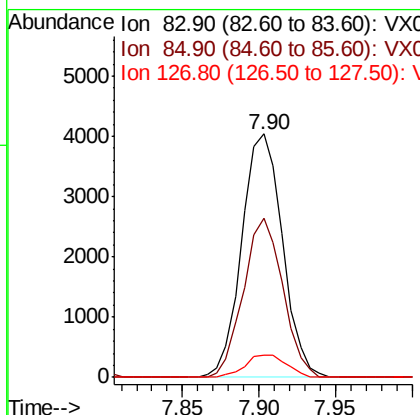
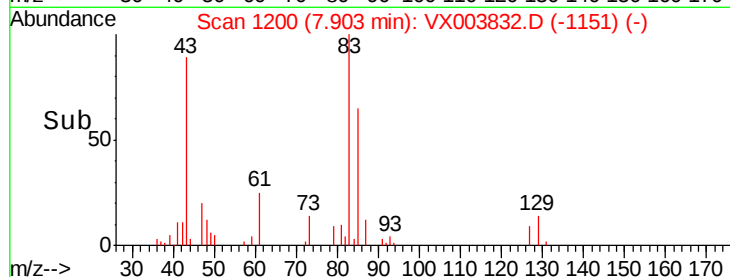
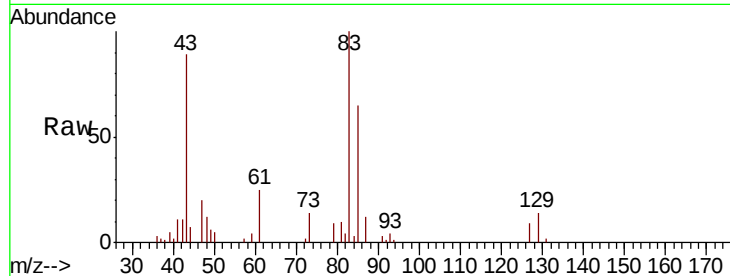
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	7474
Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.2
127	9.0	7.0	10.6

Manual Integrations
APPROVED

MMDadoda
8/6/2018 1:35:36 PM



#48

Methyl methacrylate

Concen: 4.30 ug/l

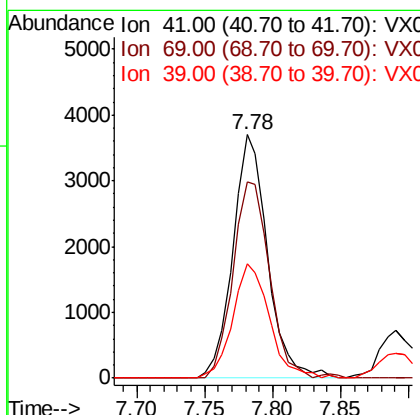
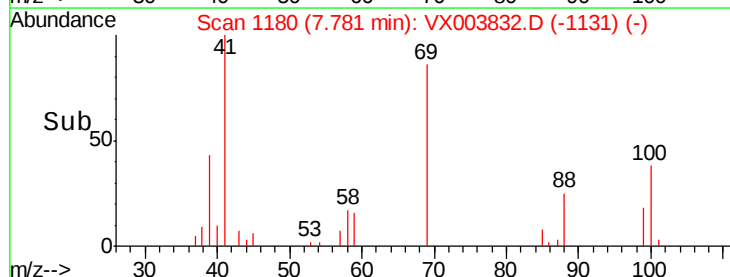
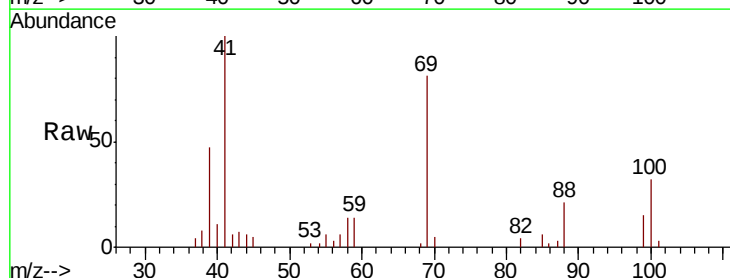
RT: 7.78 min Scan# 1180

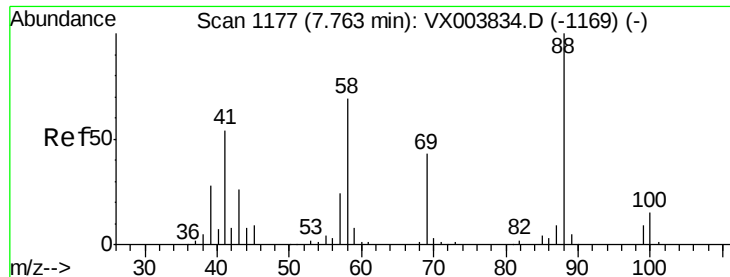
Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Tgt Ion:	41	Resp:	6568
Ion	Ratio	Lower	Upper
41	100		
69	84.2	70.2	105.4
39	49.9	40.9	61.3





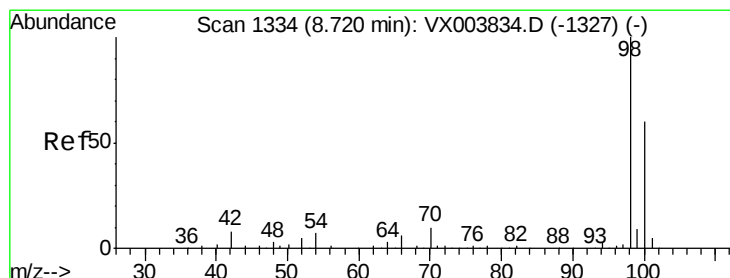
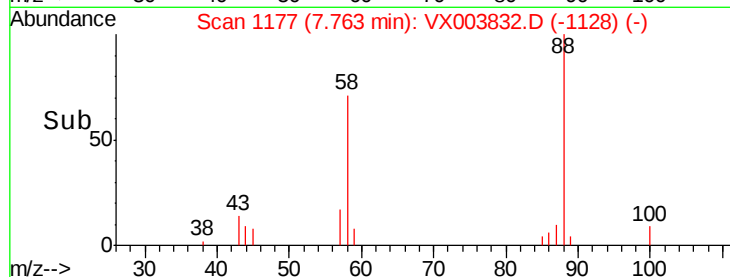
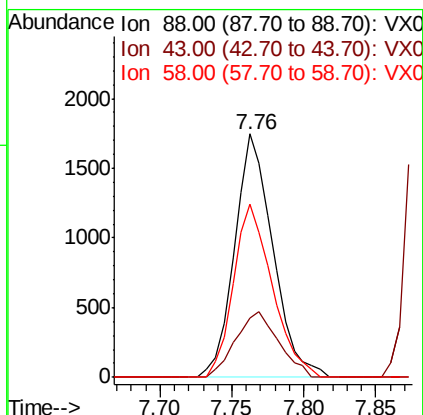
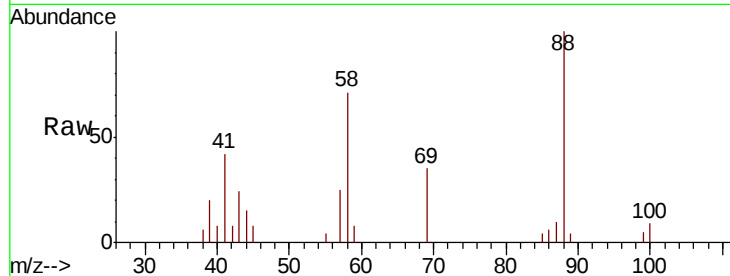
#49
1,4-Dioxane
Concen: 93.96 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	24.4	36.6
58	72.0	56.5	84.7

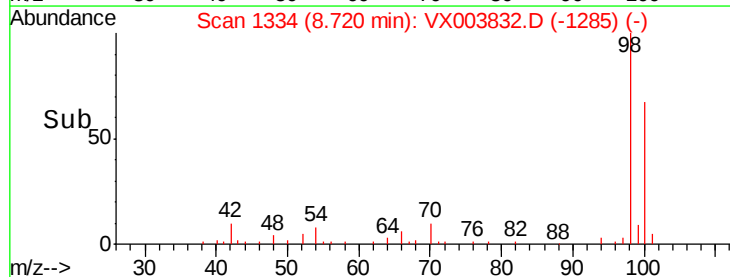
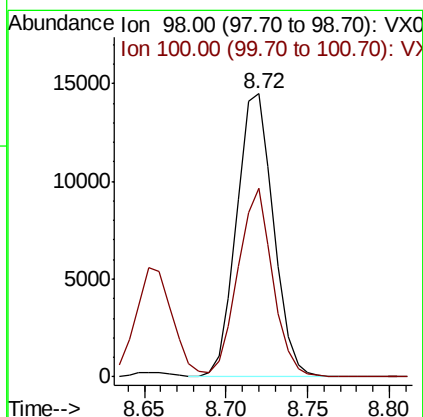
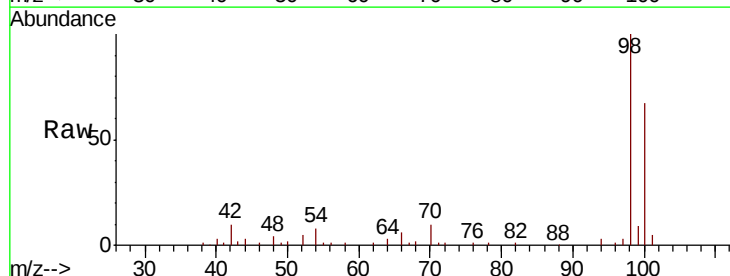
Manual Integrations
APPROVED

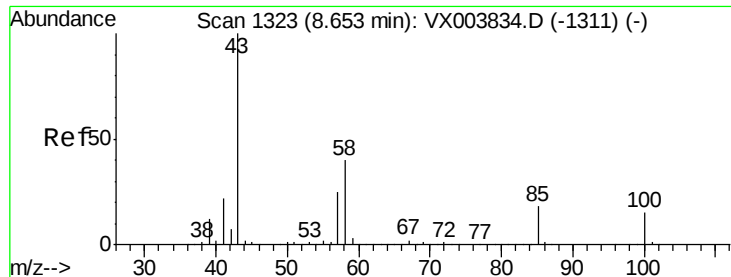
MMDadoda
8/6/2018 1:35:36 PM



#50
Toluene-d8
Concen: 4.97 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.5	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 26.65 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 56527

Ion Ratio Lower Upper

43 100

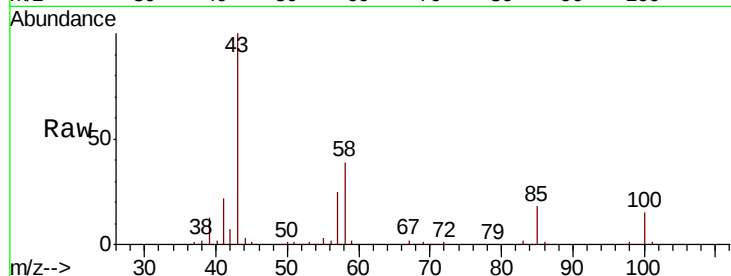
58 38.8 32.2 48.2

Manual Integrations

APPROVED

MMDadoda

8/6/2018 1:35:36 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

40000

30000

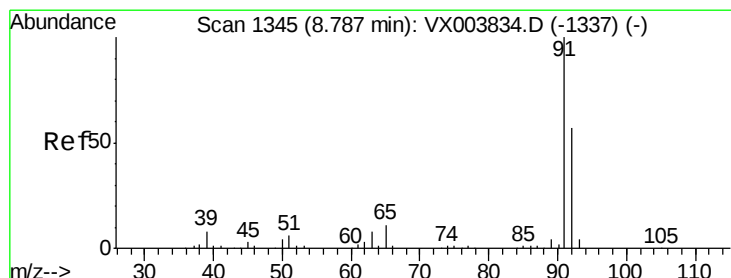
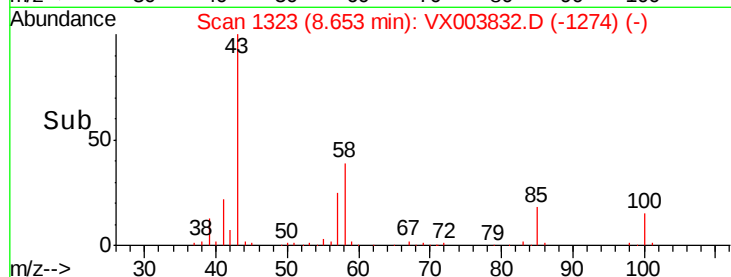
20000

10000

0

8.55 8.60 8.65 8.70 8.75

Time-->



#52

Toluene

Concen: 4.89 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003832.D

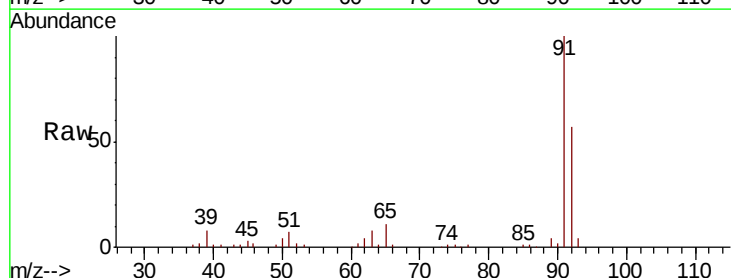
Acq: 02 Aug 2018 19:22

Tgt Ion: 92 Resp: 15476

Ion Ratio Lower Upper

92 100

91 173.3 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

20000

15000

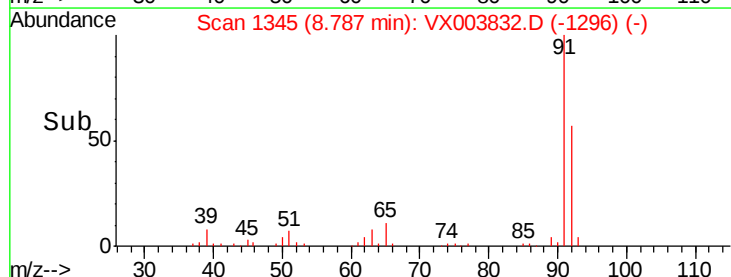
10000

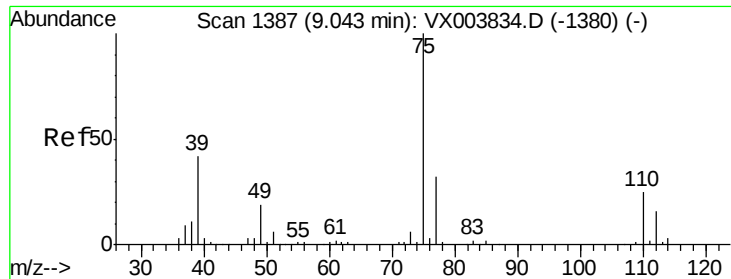
5000

0

8.70 8.75 8.80 8.85

Time-->





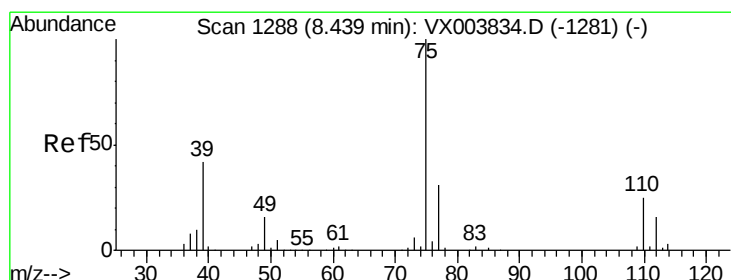
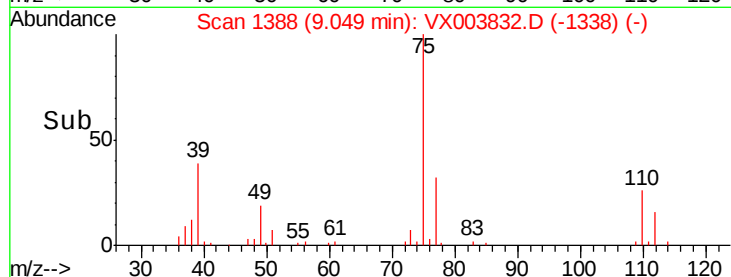
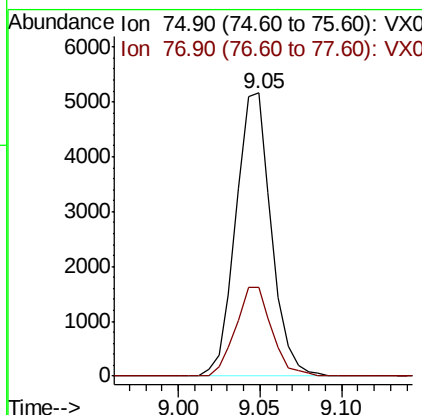
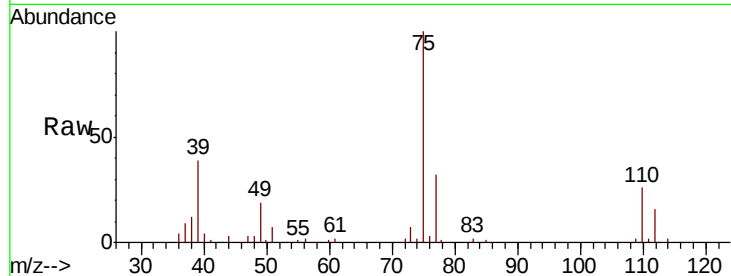
#53
t-1,3-Dichloropropene
Concen: 4.41 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 7786
Ion Ratio Lower Upper
75 100
77 31.5 25.3 37.9

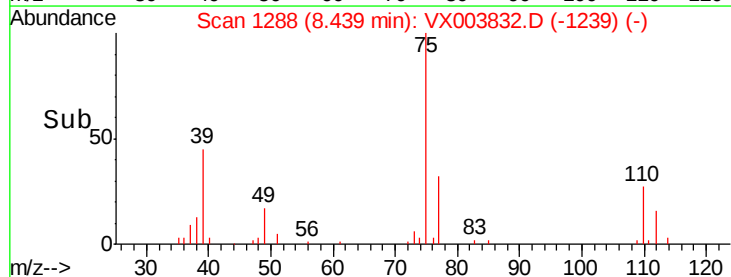
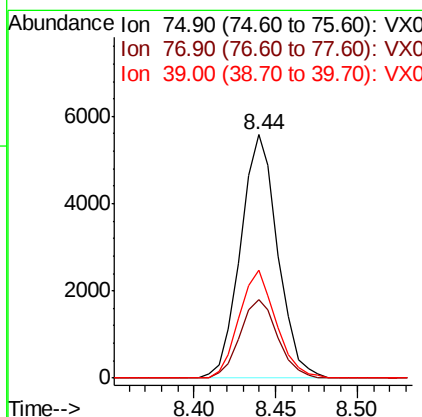
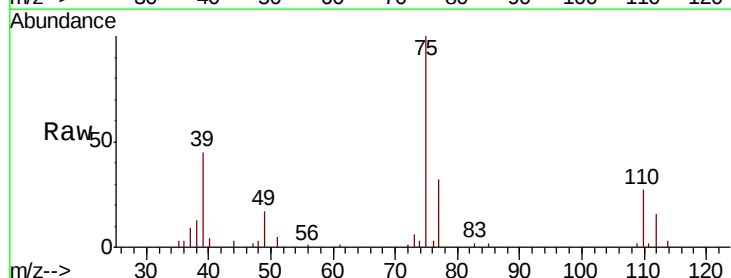
Manual Integrations
APPROVED

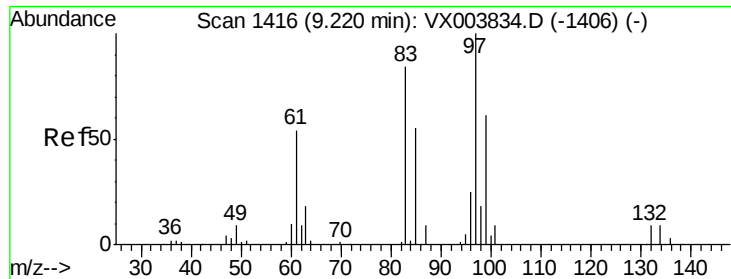
MMDadoda
8/6/2018 1:35:36 PM



#54
cis-1,3-Dichloropropene
Concen: 4.56 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Tgt Ion: 75 Resp: 8840
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8
39 44.6 33.5 50.3





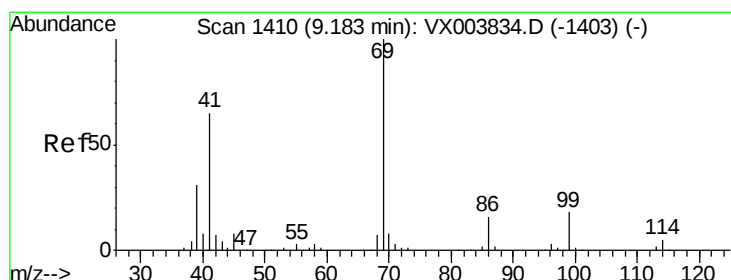
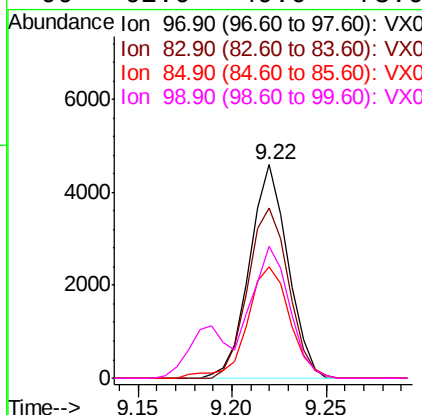
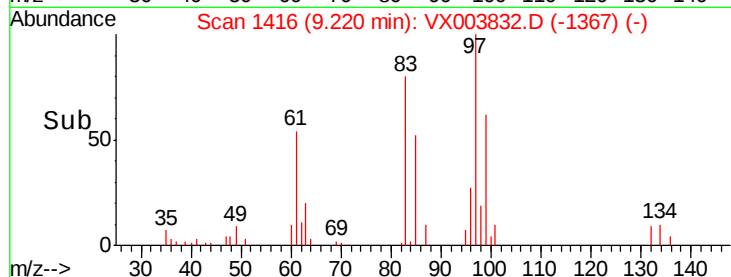
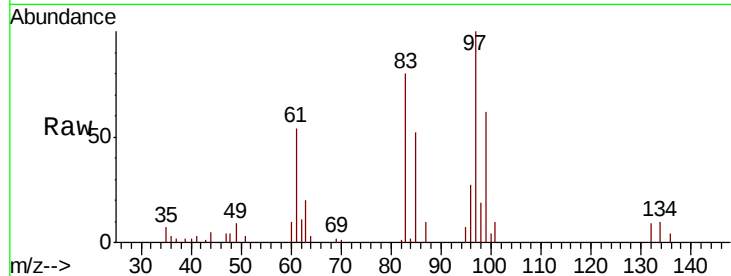
#55
 1,1,2-Trichloroethane
 Concen: 4.99 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003832.D
 Acq: 02 Aug 2018 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	6518
Ion	Ratio	Lower	Upper
97	100		
83	79.6	67.4	101.2
85	52.4	43.9	65.9
99	62.0	49.0	73.6

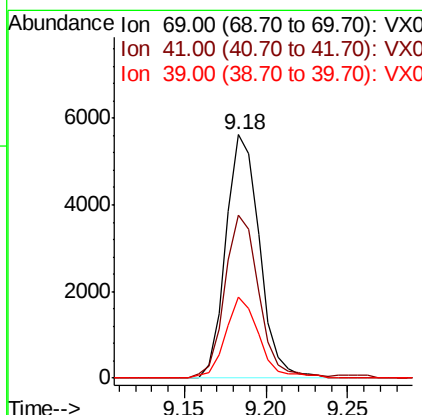
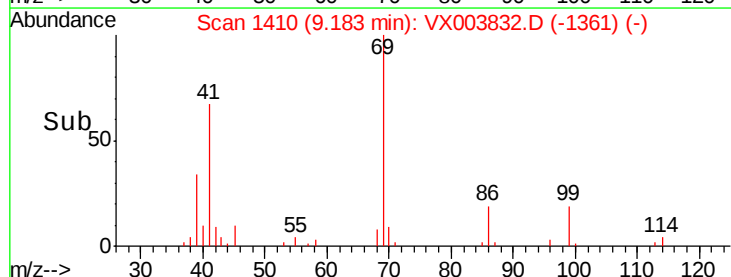
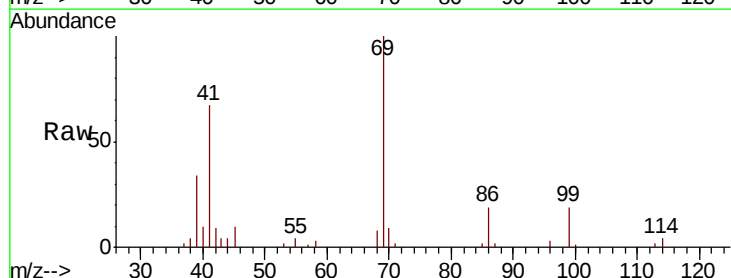
Manual Integrations
 APPROVED

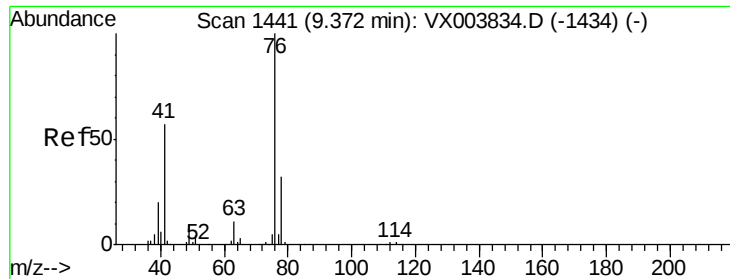
MMDadoda
 8/6/2018 1:35:36 PM



#56
 Ethyl methacrylate
 Concen: 4.17 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003832.D
 Acq: 02 Aug 2018 19:22

Tgt Ion:	69	Resp:	8060
Ion	Ratio	Lower	Upper
69	100		
41	67.9	51.1	76.7
39	33.5	24.7	37.1





#57

1,3-Dichloropropane

Concen: 4.85 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 10622

Ion Ratio Lower Upper

76 100

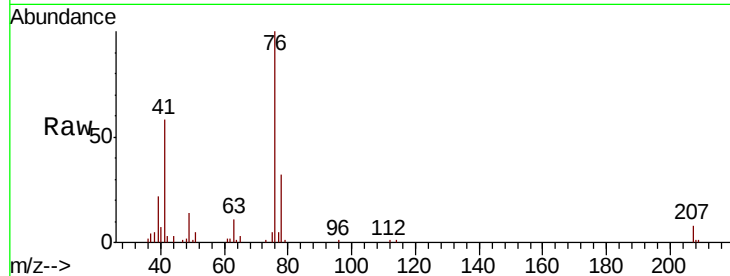
78 33.6 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

8/6/2018 1:35:36 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

8000

6000

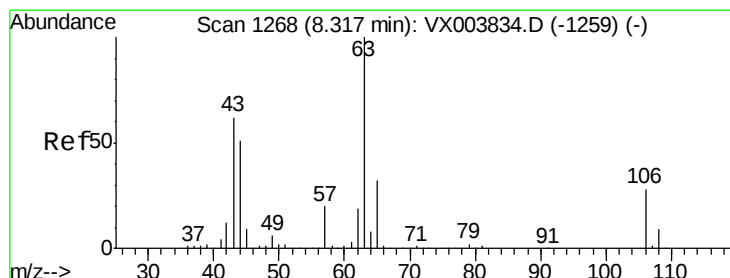
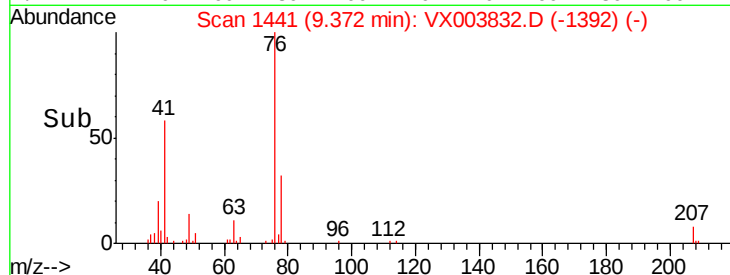
4000

2000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 21.25 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX003832.D

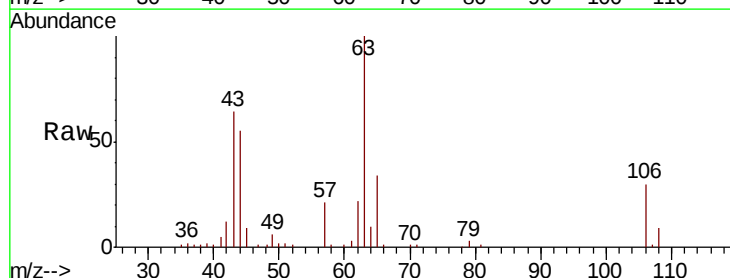
Acq: 02 Aug 2018 19:22

Tgt Ion: 63 Resp: 20755

Ion Ratio Lower Upper

63 100

106 28.9 22.6 34.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

15000

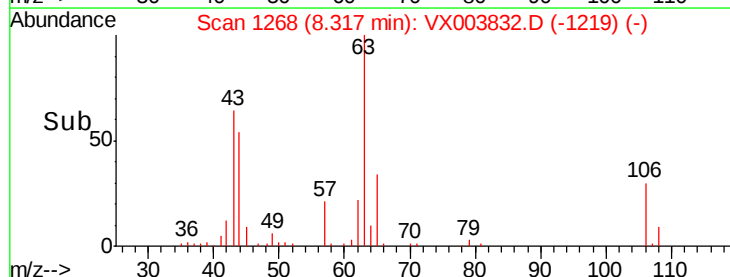
10000

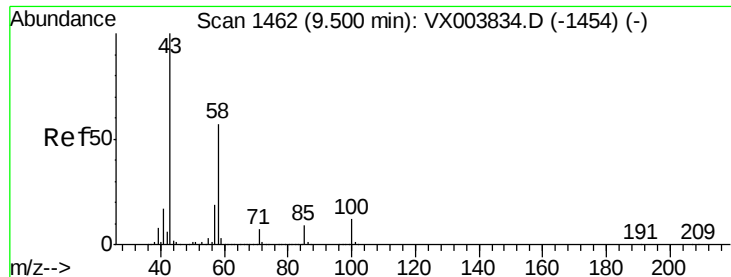
5000

0

8.25 8.30 8.35 8.40

Time-->





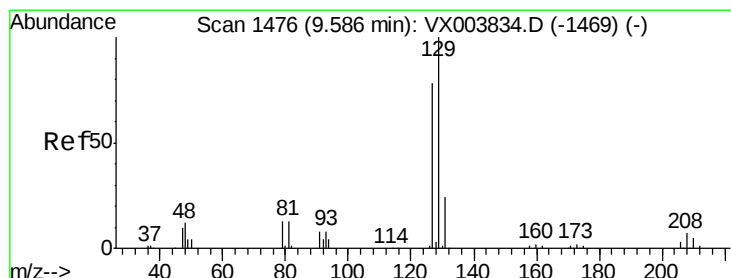
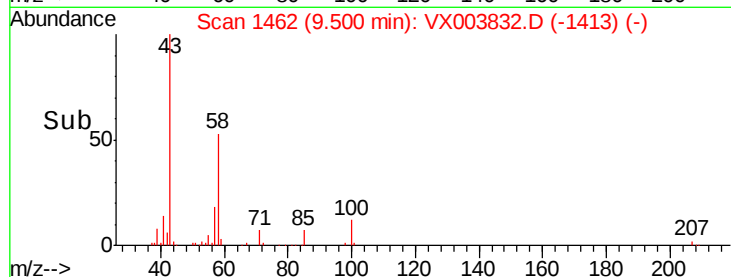
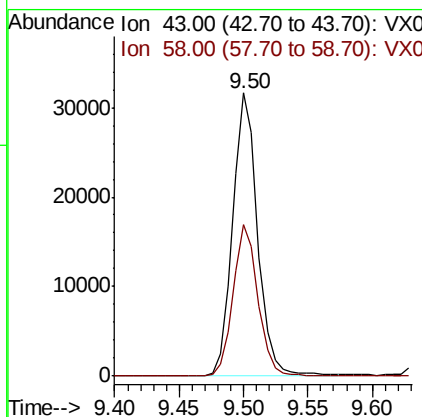
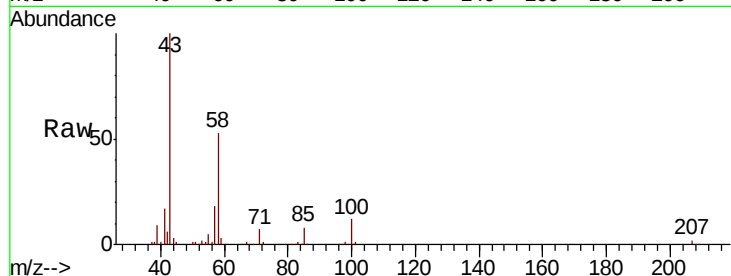
#59
2-Hexanone
Concen: 26.32 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	42782
Ion Ratio	100	Lower	Upper
43	100		
58	53.6	28.2	84.7

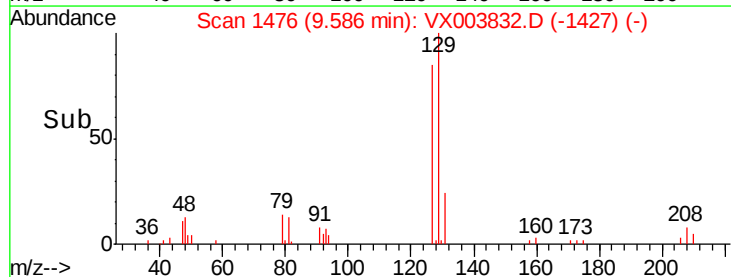
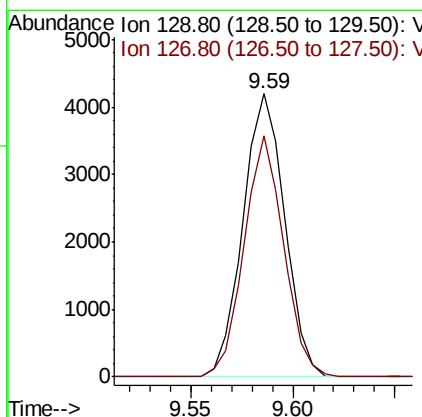
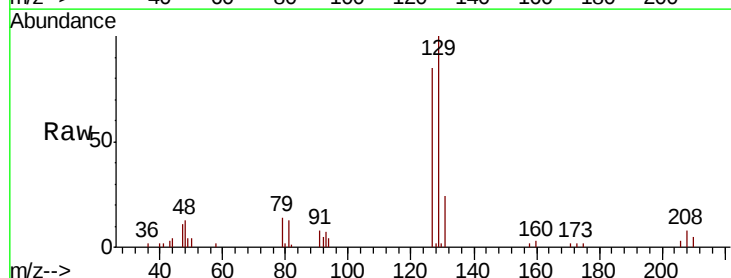
Manual Integrations
APPROVED

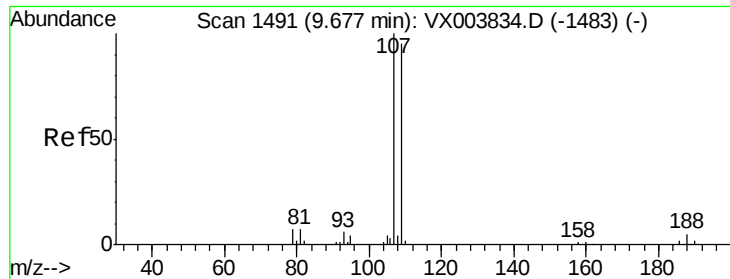
MMDadoda
8/6/2018 1:35:36 PM



#60
Dibromochloromethane
Concen: 4.79 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Tgt Ion	129	Resp	5959
Ion Ratio	100	Lower	Upper
129	100		
127	80.8	39.0	116.9





#61

1,2-Dibromoethane

Concen: 4.85 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 6617

Ion Ratio Lower Upper

107 100

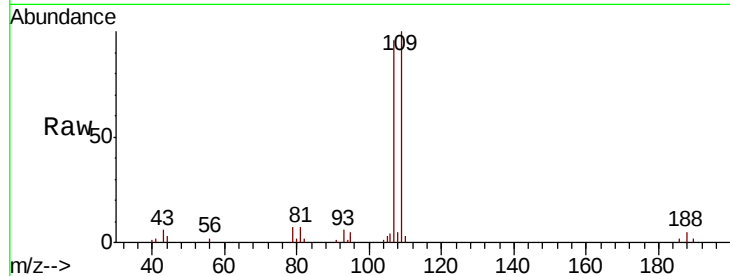
109 96.5 75.8 113.8

Manual Integrations

APPROVED

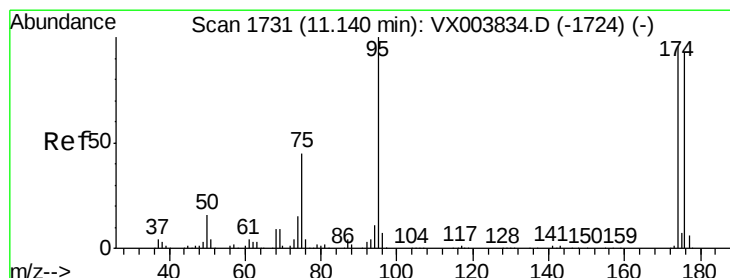
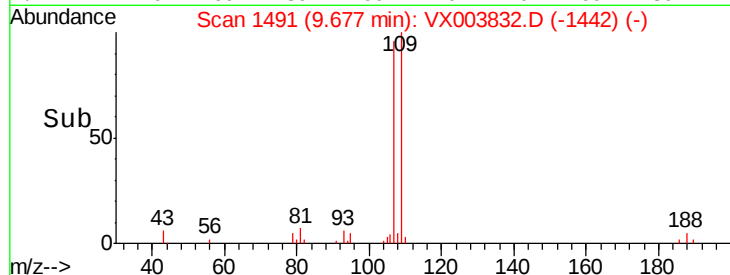
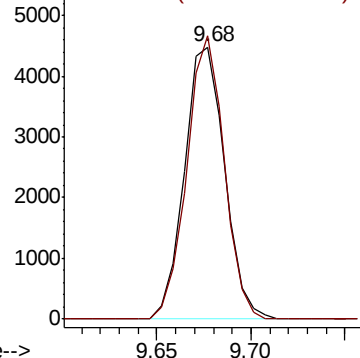
MMDadoda

8/6/2018 1:35:36 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.58 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

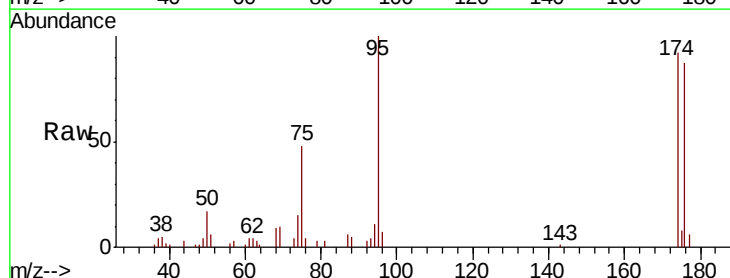
Tgt Ion: 95 Resp: 7693

Ion Ratio Lower Upper

95 100

174 93.7 0.0 192.2

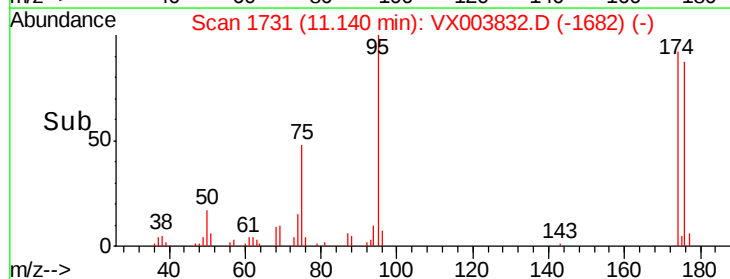
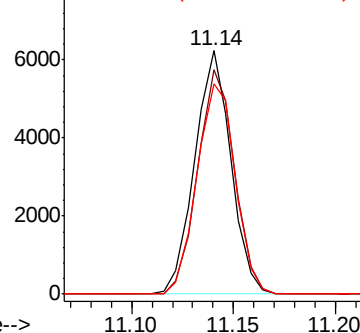
176 91.7 0.0 185.8

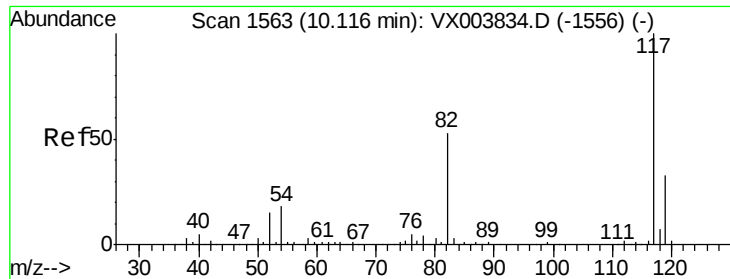


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





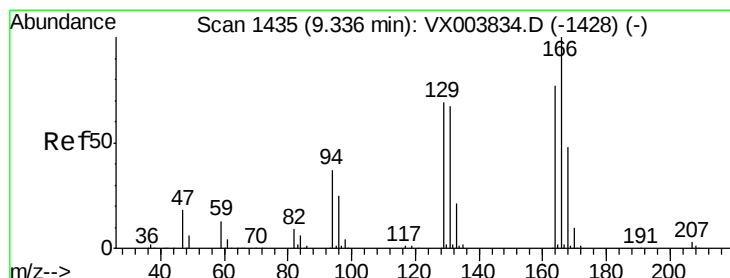
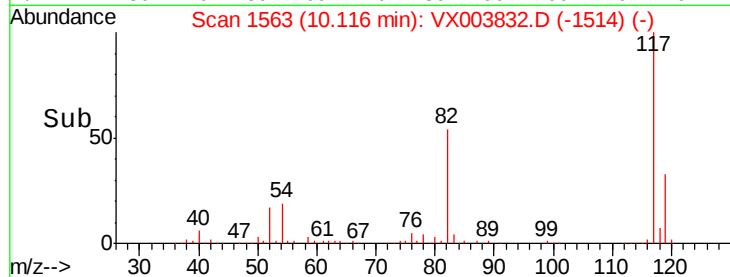
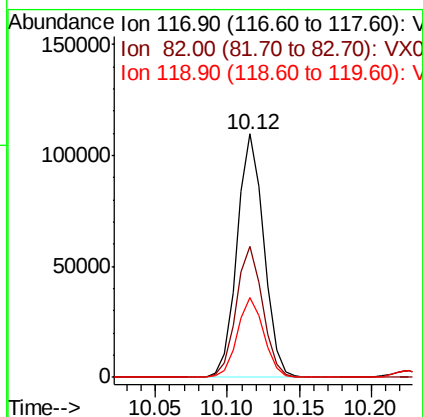
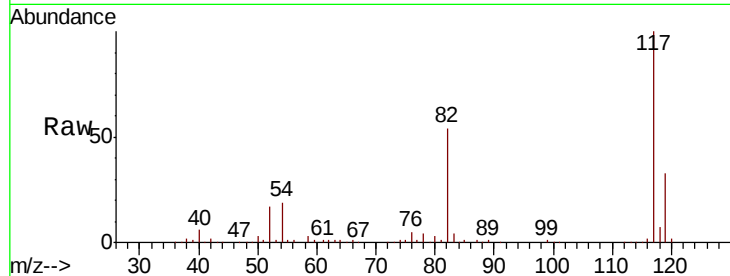
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.2	63.4
119	32.8	26.2	39.2

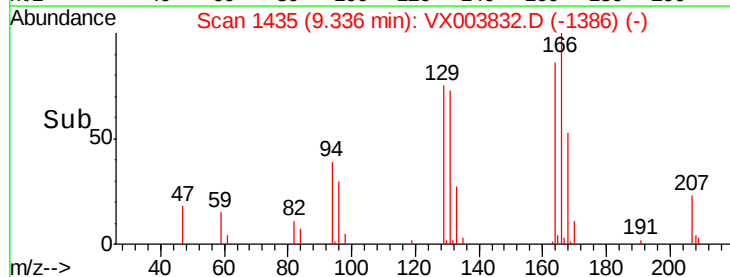
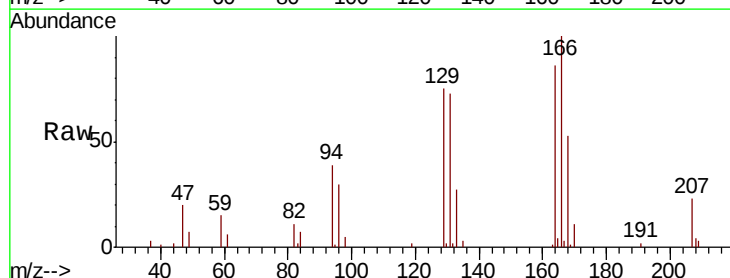
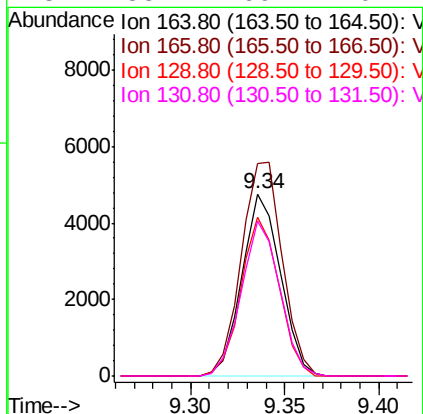
Manual Integrations
APPROVED

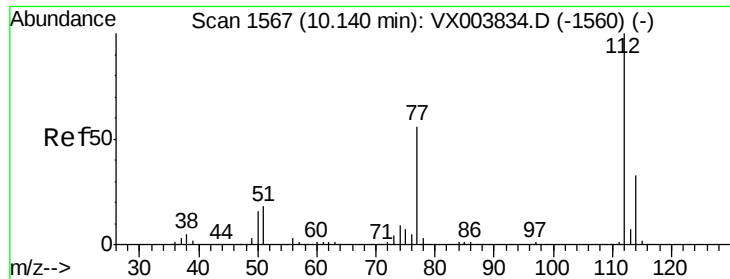
MMDadoda
8/6/2018 1:35:36 PM



#64
Tetrachloroethene
Concen: 5.28 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	116.7	103.7	155.5
129	87.4	71.9	107.9
131	85.4	69.4	104.2





#65

Chlorobenzene

Concen: 5.01 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 17859

Ion Ratio Lower Upper

112 100

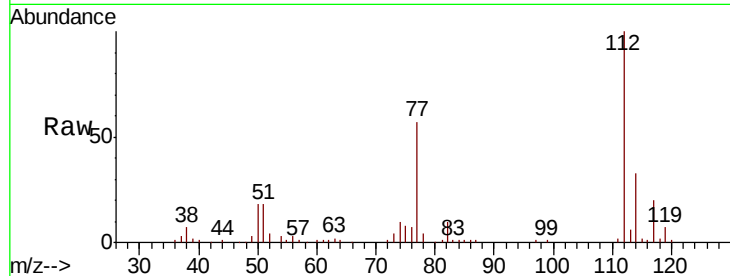
114 33.4 26.2 39.4

Manual Integrations

APPROVED

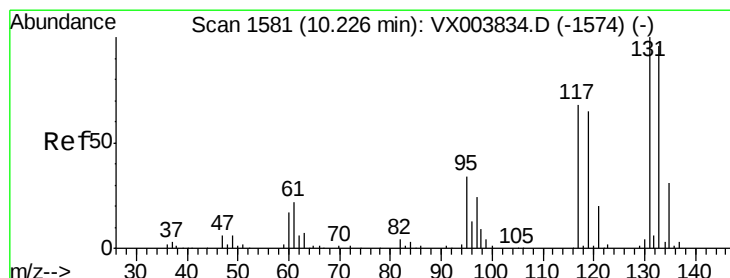
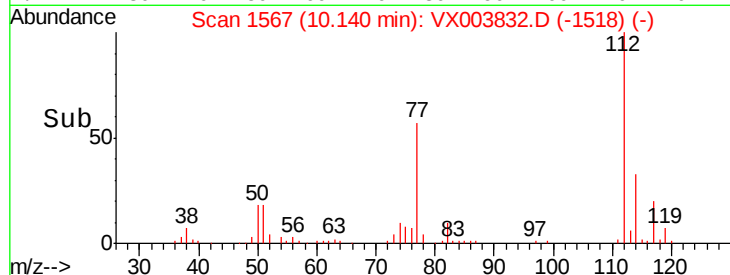
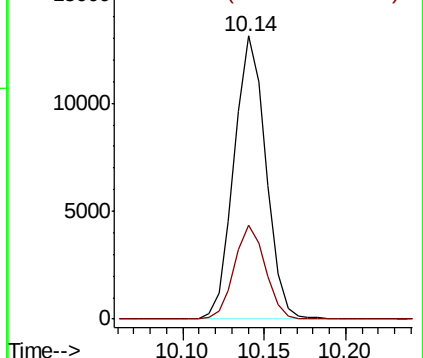
MMDadoda

8/6/2018 1:35:36 PM



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: 4.90 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

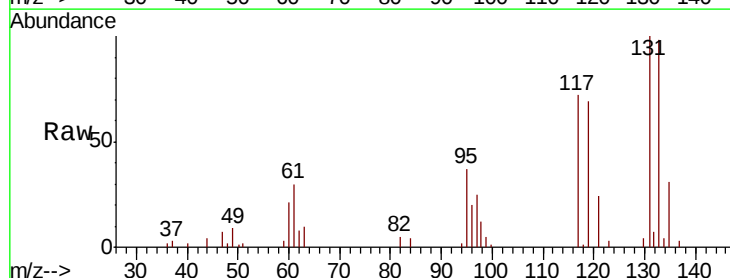
Tgt Ion:131 Resp: 6107

Ion Ratio Lower Upper

131 100

133 96.6 47.9 143.8

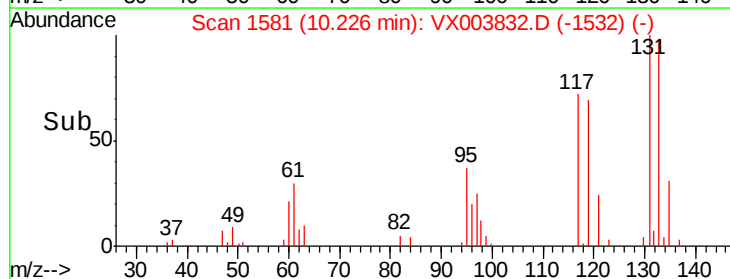
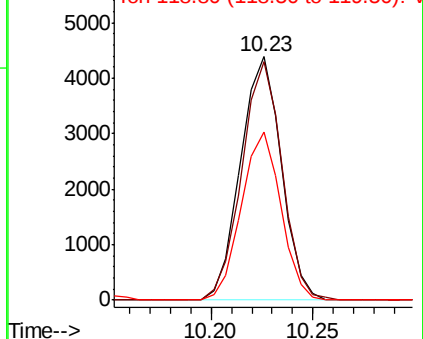
119 66.7 32.8 98.3

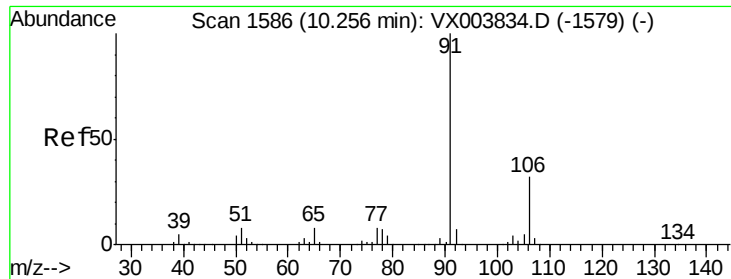


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





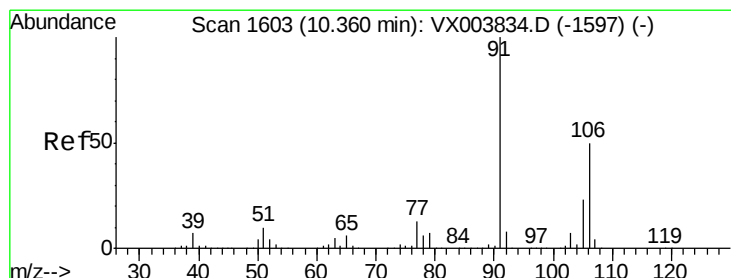
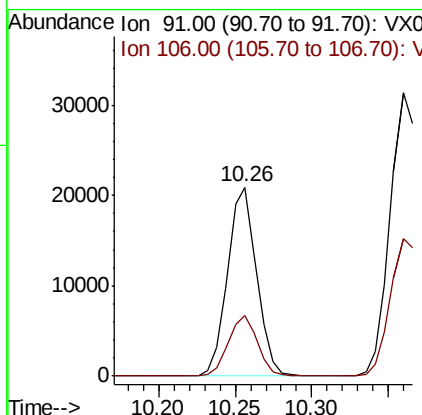
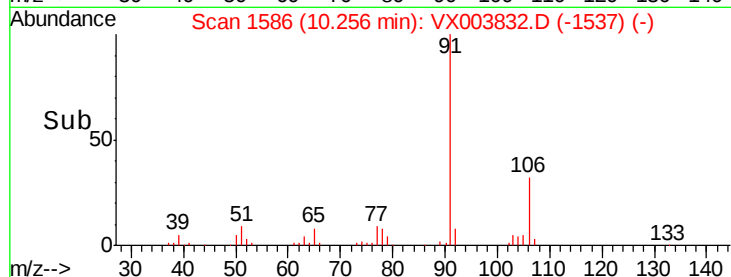
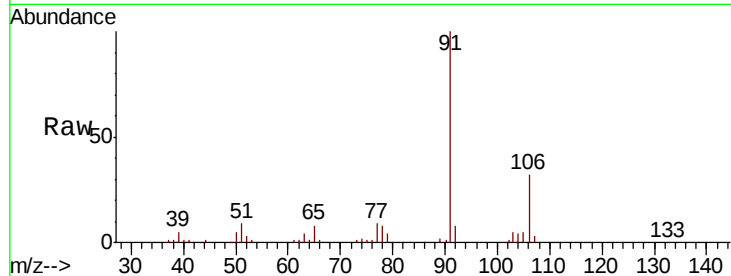
#67
Ethyl Benzene
Concen: 4.65 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 27429
Ion Ratio Lower Upper
91 100
106 32.0 25.7 38.5

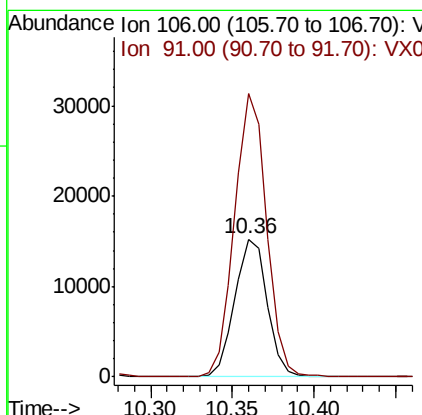
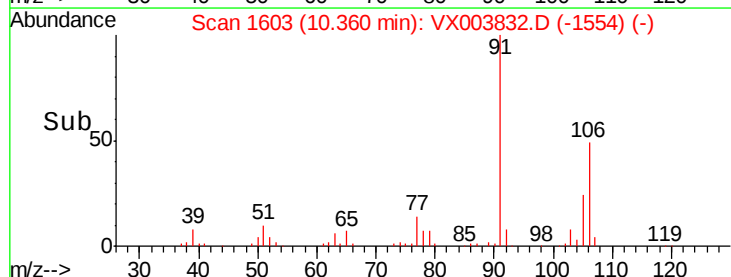
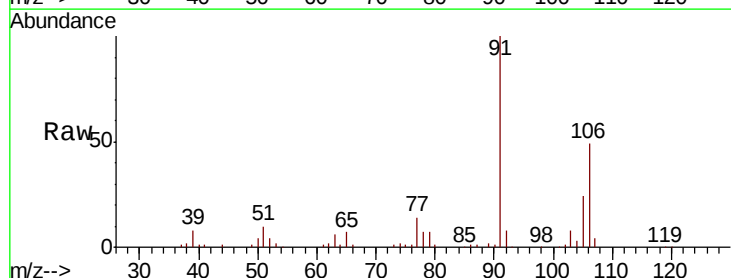
Manual Integrations
APPROVED

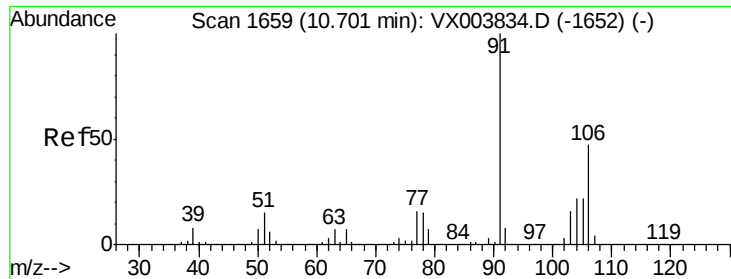
MMDadoda
8/6/2018 1:35:36 PM



#68
m/p-Xylenes
Concen: 9.33 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Tgt Ion: 106 Resp: 21154
Ion Ratio Lower Upper
106 100
91 203.4 161.3 241.9





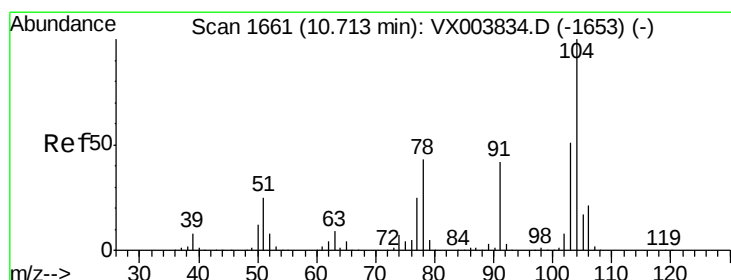
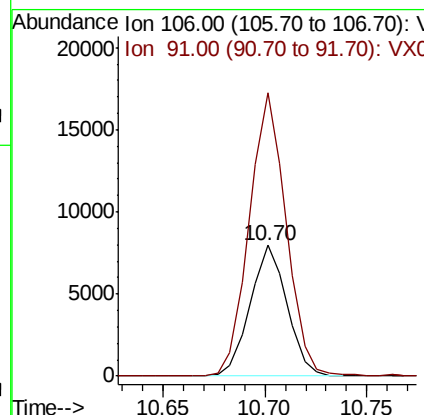
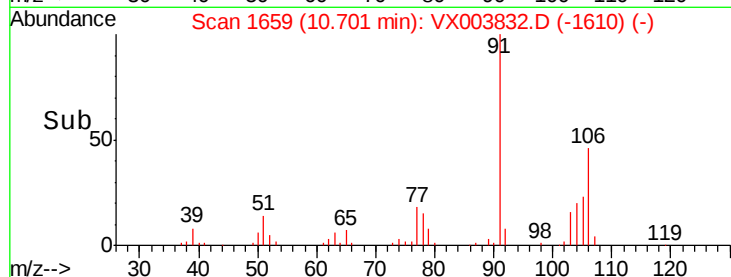
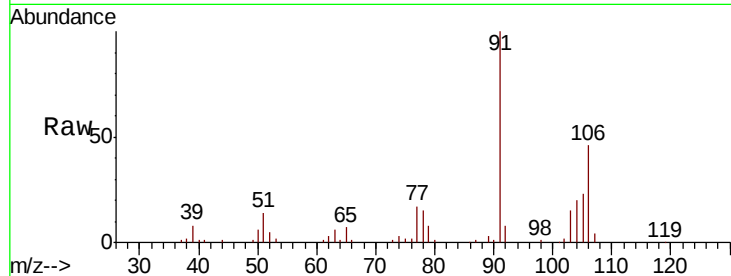
#69
o-Xylene
Concen: 4.56 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 10012
Ion Ratio Lower Upper
106 100
91 216.8 105.7 317.1

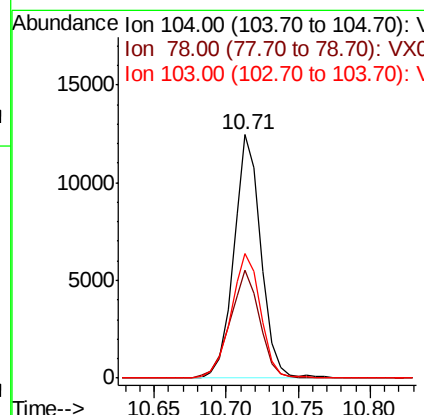
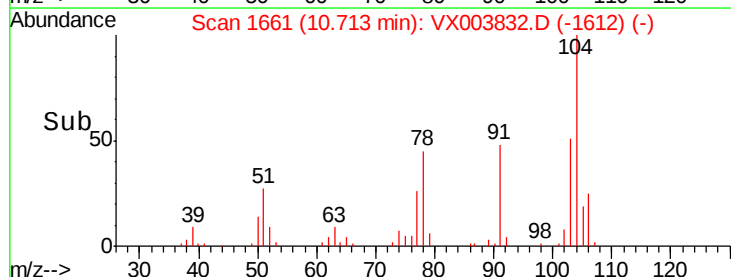
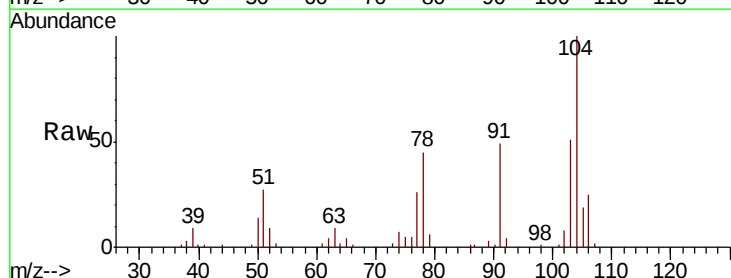
Manual Integrations
APPROVED

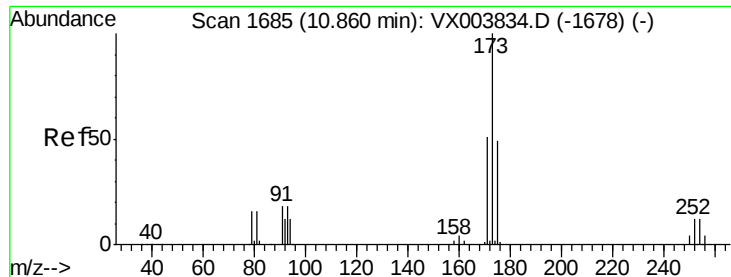
MMDadoda
8/6/2018 1:35:36 PM



#70
Styrene
Concen: 4.43 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Tgt Ion:104 Resp: 16346
Ion Ratio Lower Upper
104 100
78 48.6 37.8 56.8
103 56.2 44.2 66.4





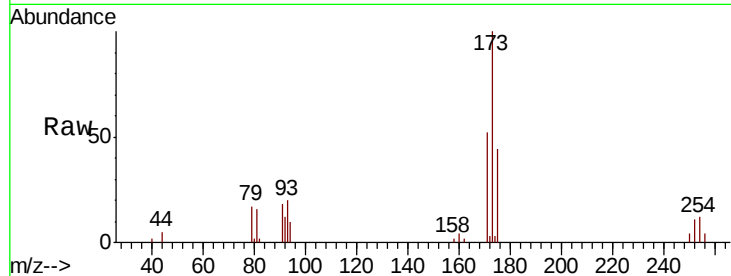
#71
Bromoform
Concen: 4.67 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

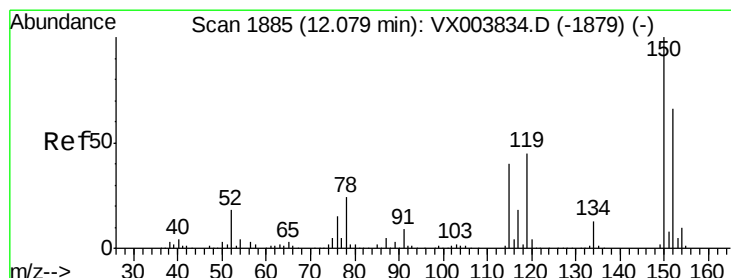
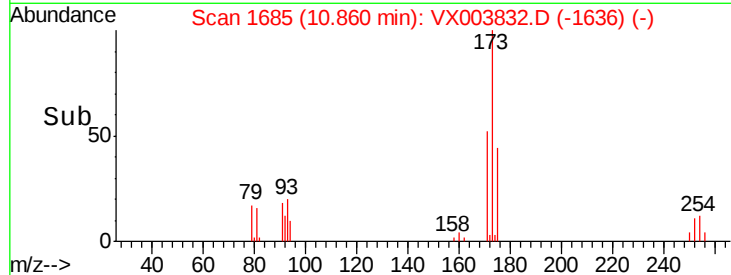
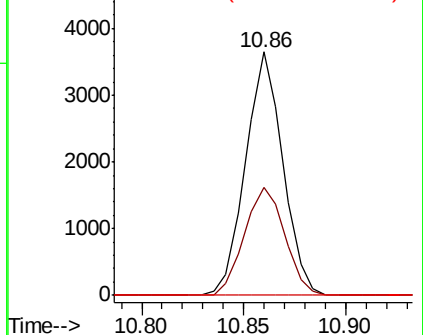
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
8/6/2018 1:35:36 PM

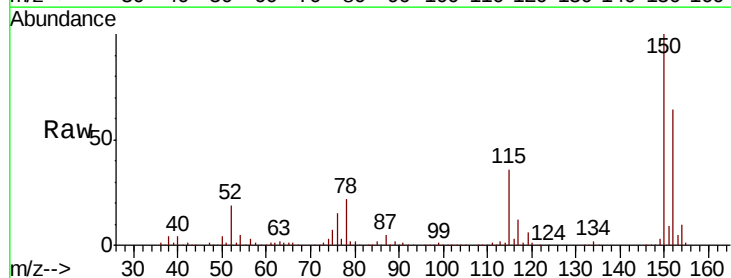


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

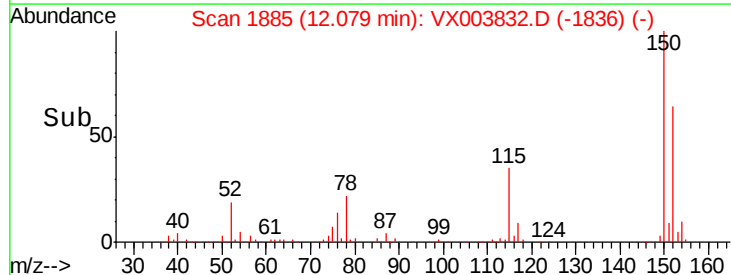
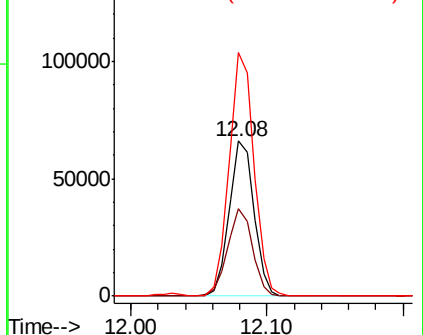


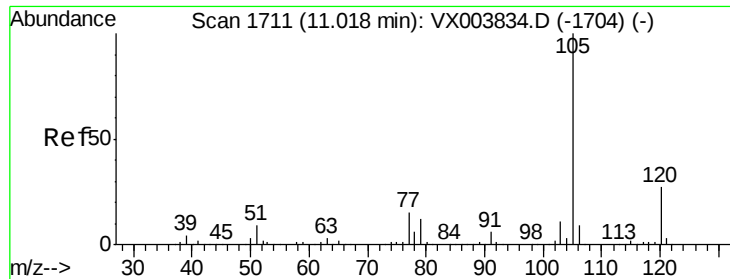
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	37.4	112.1
150	157.2	0.0	346.6



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: 4.84 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 27086

Ion Ratio Lower Upper

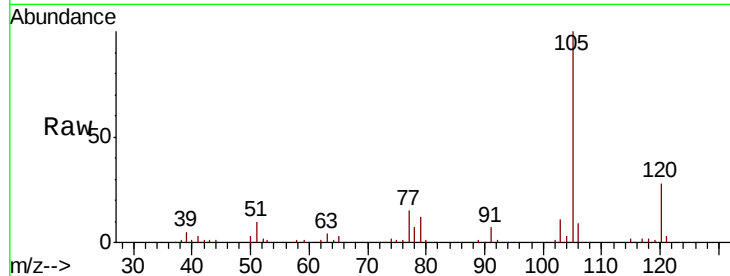
105 100

120 27.2 13.6 40.7

Manual Integrations
APPROVED

MMDadoda

8/6/2018 1:35:36 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

25000

20000

15000

11.02

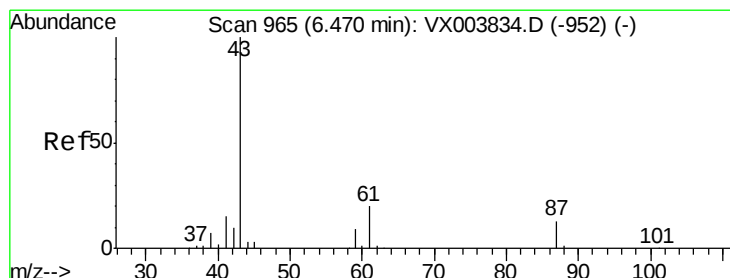
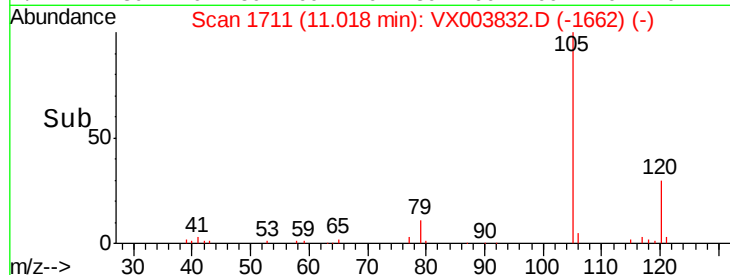
10000

5000

0

Time-->

10.95 11.00 11.05 11.10



#74

N-ethyl acetate

Concen: 4.58 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Tgt Ion: 43 Resp: 13434

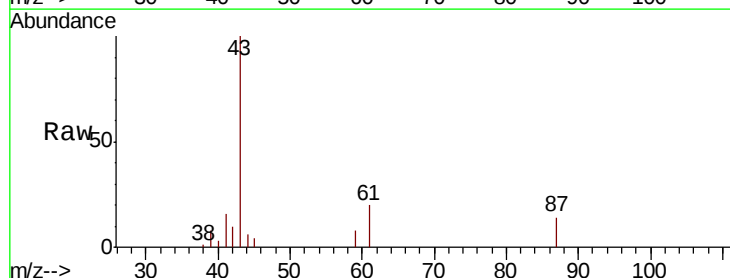
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 20.4 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

8000

6000

4000

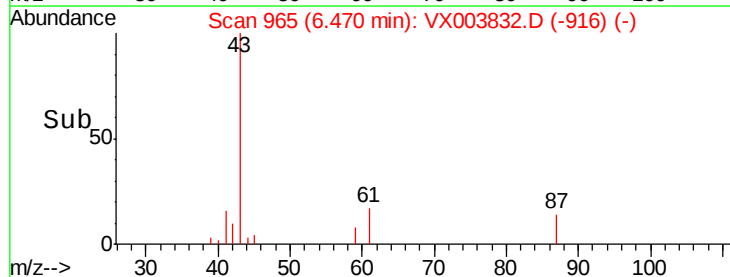
6.47

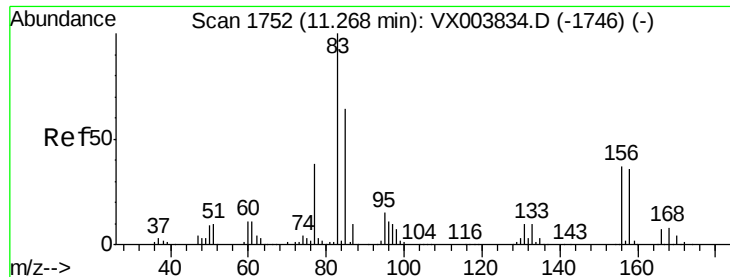
2000

0

Time-->

6.40 6.50 6.60





#75

1,1,2,2-Tetrachloroethane

Concen: 4.84 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Instrument :

MSVOA_X

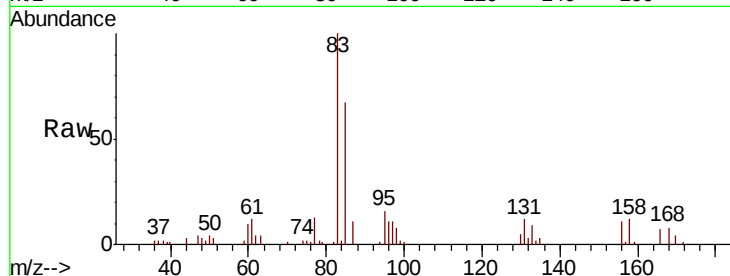
ClientSampleId :

VSTDIC005

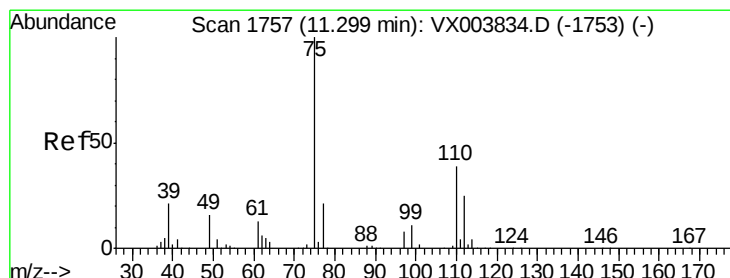
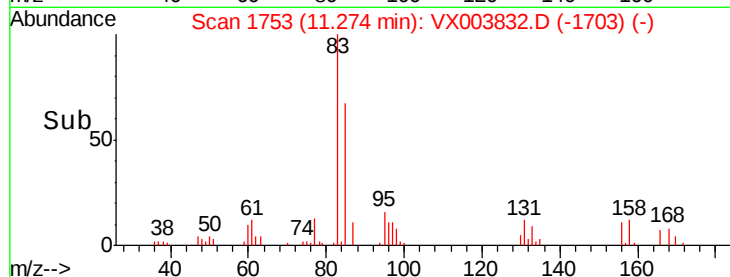
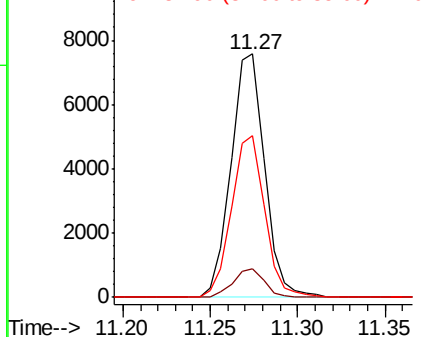
Tot Ion:	83	Resp:	10157
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.9
85	65.7	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
8/6/2018 1:35:36 PM



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: 5.02 ug/l m

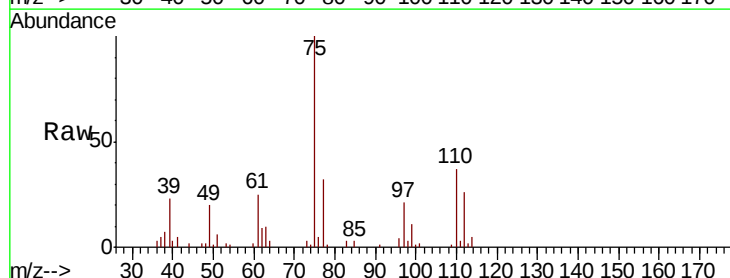
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

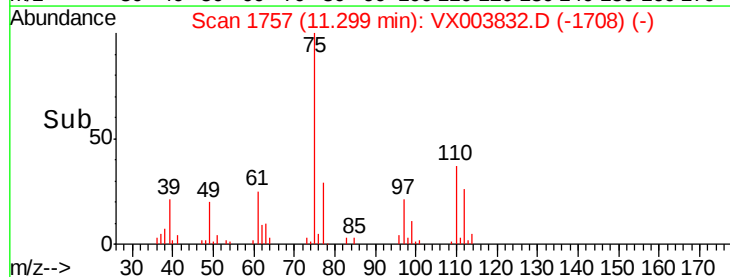
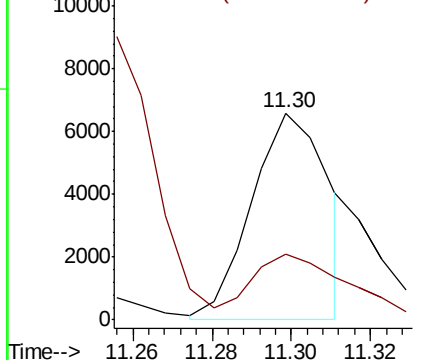
Lab File: VX003832.D

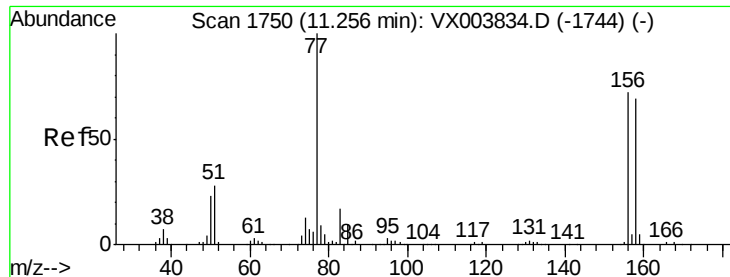
Acq: 02 Aug 2018 19:22

Tgt Ion:	75	Resp:	8791
Ion Ratio	Lower	Upper	
75	100		
77	41.1	21.1	63.3



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





#77

Bromobenzene

Concen: 5.08 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Instrument :

MSVOA_X

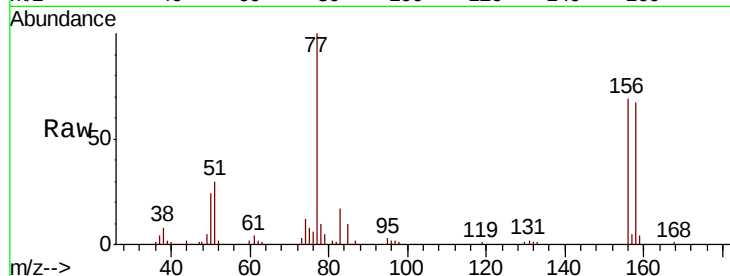
ClientSampleId :

VSTDIC005

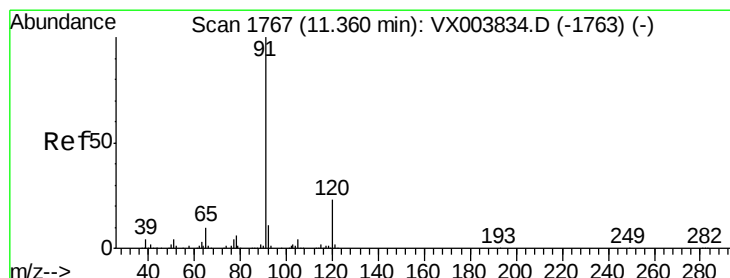
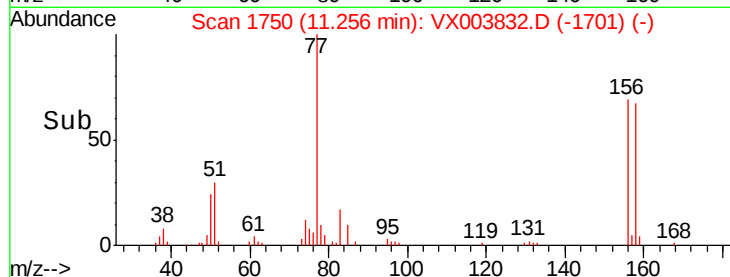
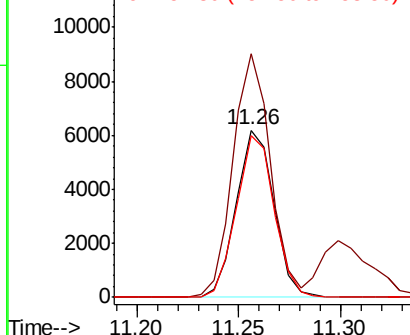
Tot Ion:	156	Resp:	7906
Ion	Ratio	Lower	Upper
156	100		
77	144.6	69.0	206.9
158	97.3	48.1	144.4

Manual Integrations
APPROVED

MMDadoda
8/6/2018 1:35:36 PM



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: 4.66 ug/l

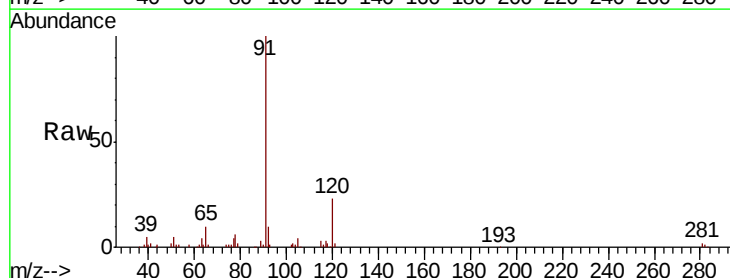
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

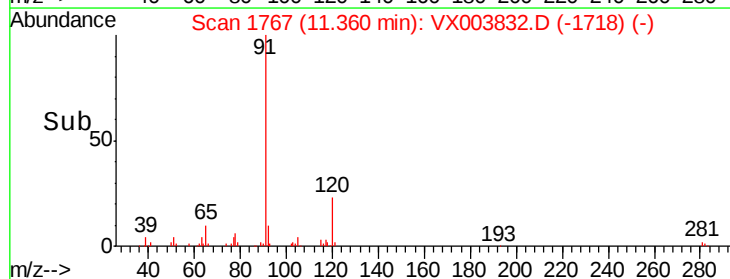
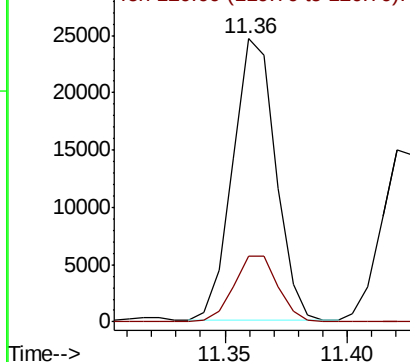
Lab File: VX003832.D

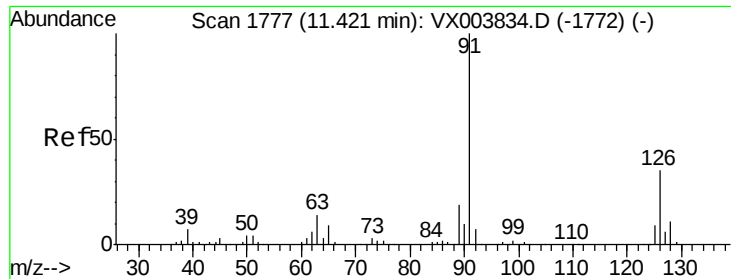
Acq: 02 Aug 2018 19:22

Tgt Ion:	91	Resp:	30059
Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.1	36.3



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





#79

2-Chlorotoluene

Concen: 4.94 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 19576

Ion Ratio Lower Upper

91 100

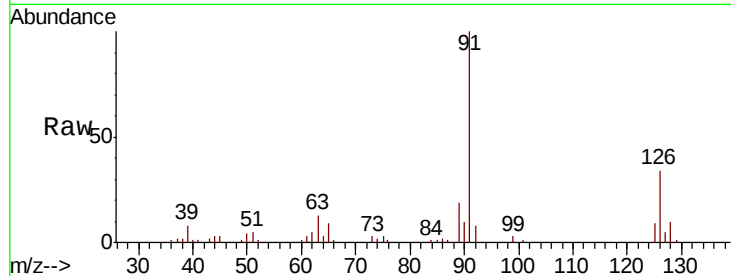
126 35.2 17.9 53.7

Manual Integrations

APPROVED

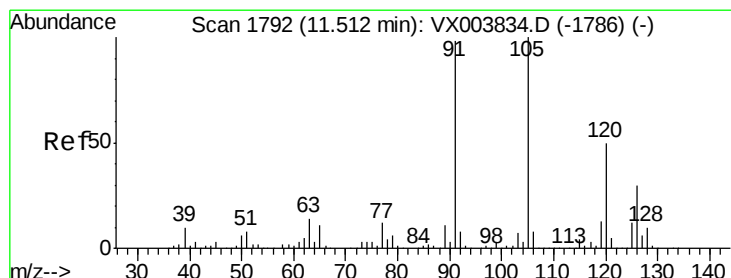
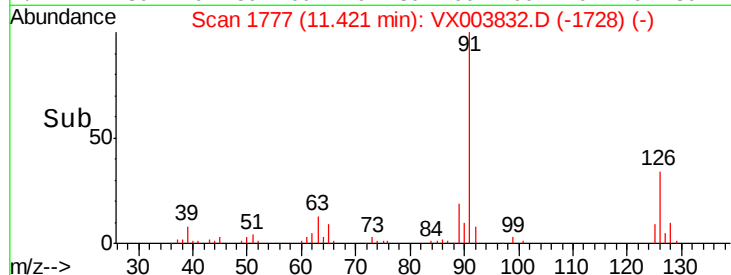
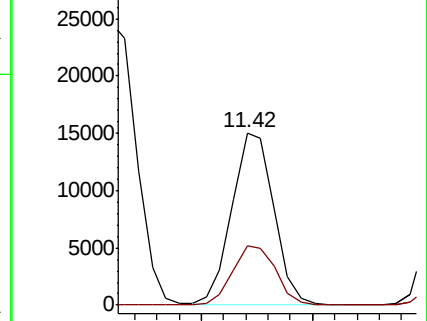
MMDadoda

8/6/2018 1:35:36 PM



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: 4.68 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003832.D

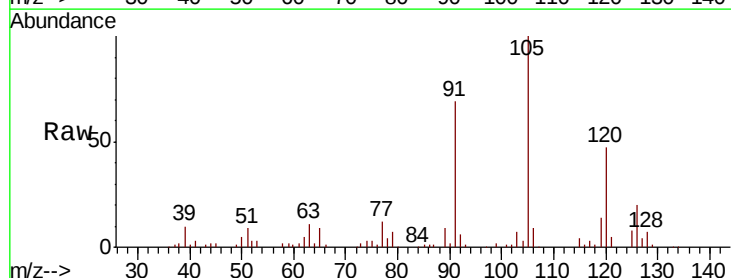
Acq: 02 Aug 2018 19:22

Tgt Ion: 105 Resp: 22285

Ion Ratio Lower Upper

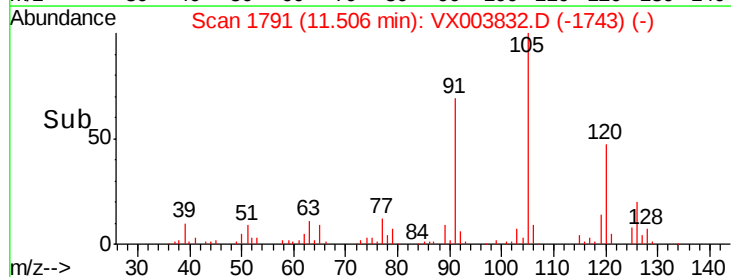
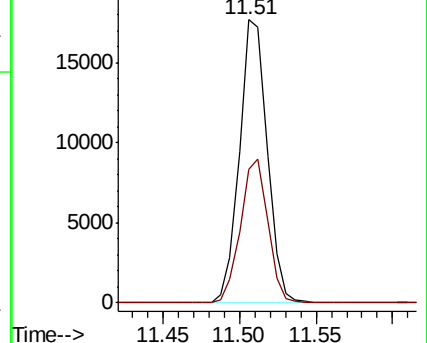
105 100

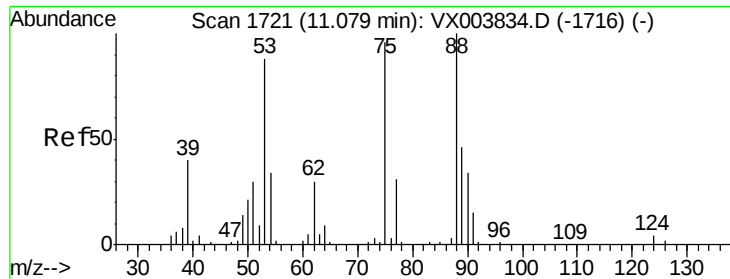
120 50.0 24.8 74.4



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: 4.17 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Instrument :

MSVOA_X

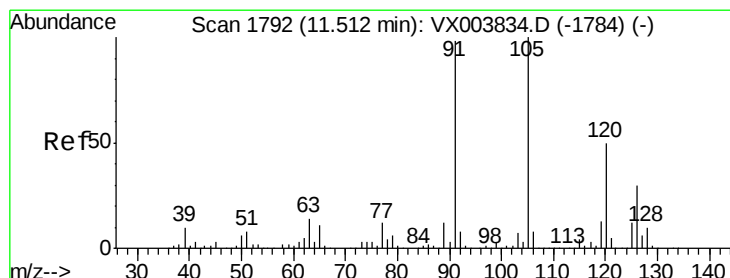
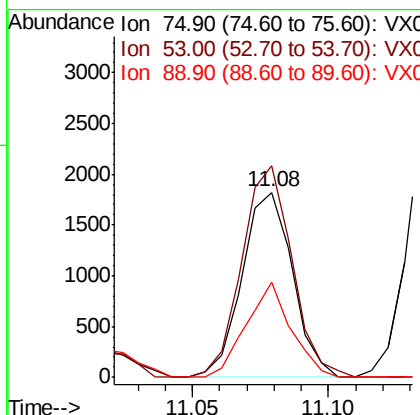
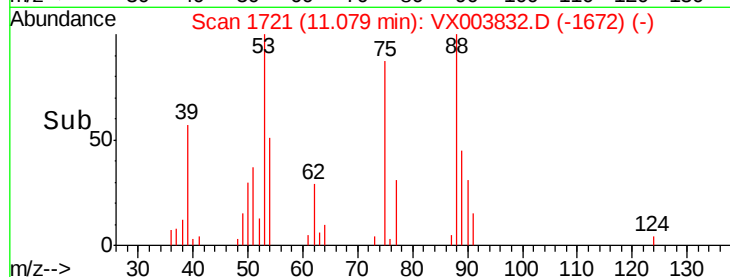
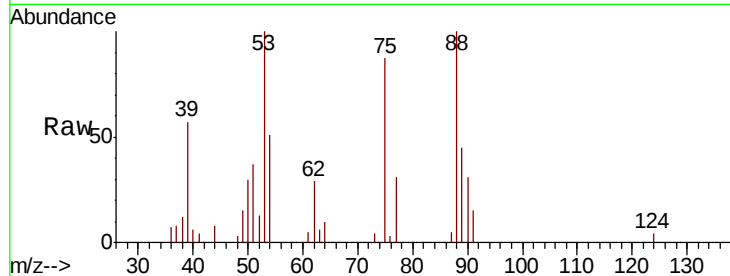
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.7	74.9	112.3#
89	45.7	36.6	54.8

Manual Integrations
APPROVED

MMDadoda
8/6/2018 1:35:36 PM



#82

4-Chlorotoluene

Concen: 4.67 ug/l

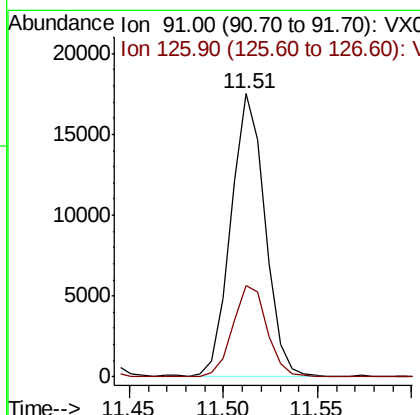
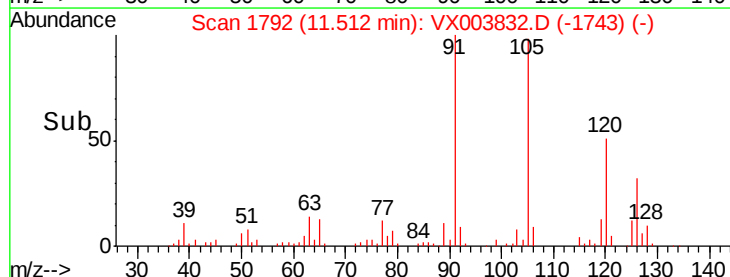
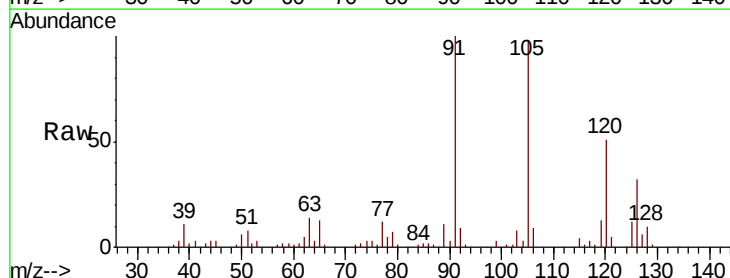
RT: 11.51 min Scan# 1792

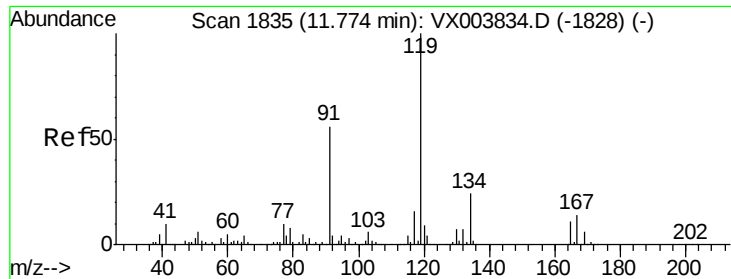
Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.0	47.9





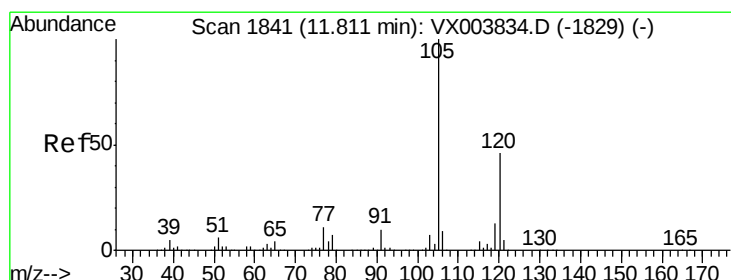
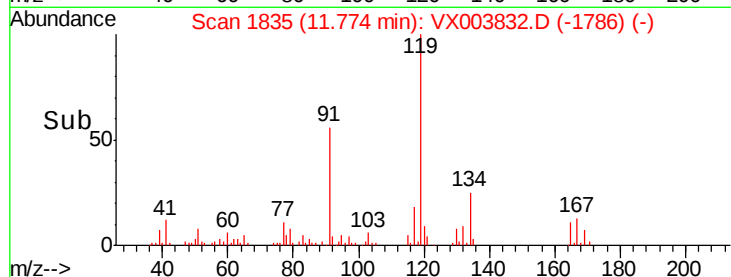
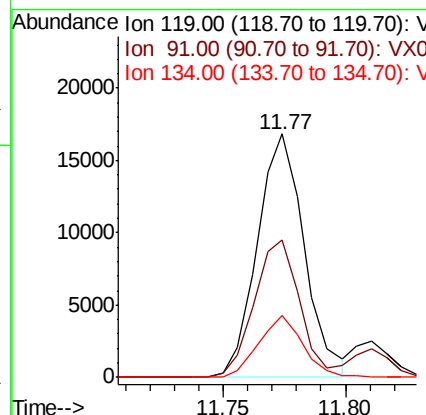
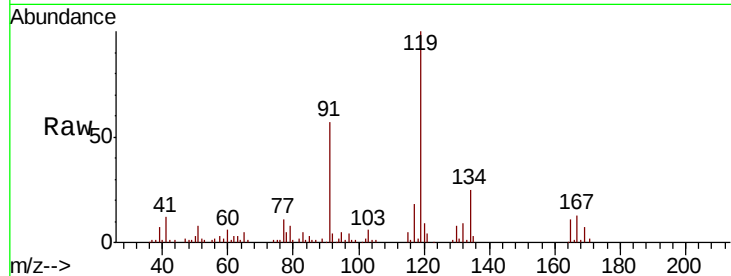
#83
tert-Butylbenzene
Concen: 4.85 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	22592		
91	54.1	26.6	79.7	
134	23.9	11.6	34.7	

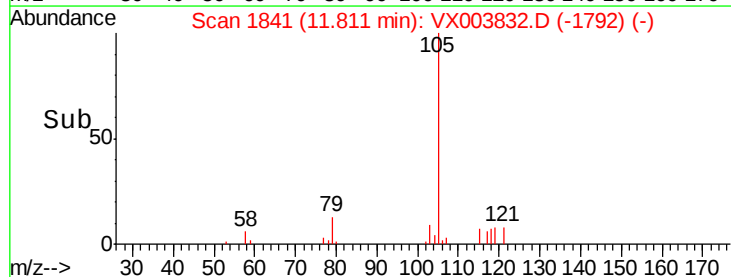
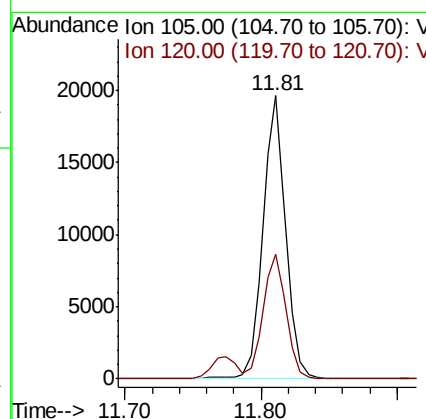
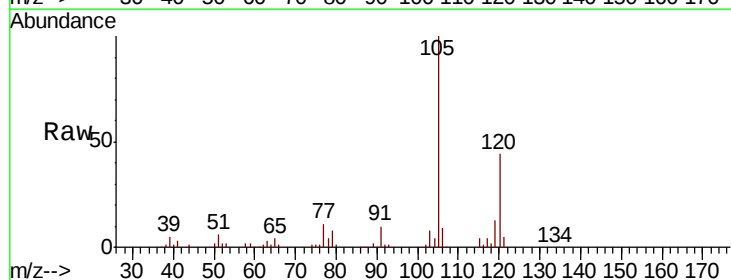
Manual Integrations
APPROVED

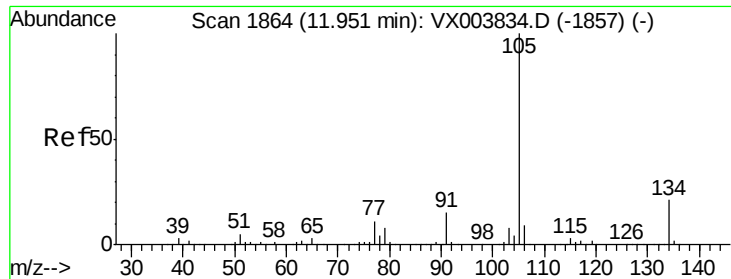
MMDadoda
8/6/2018 1:35:36 PM



#84
1,2,4-Trimethylbenzene
Concen: 4.68 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	22962		
120	44.8	22.9	68.5	





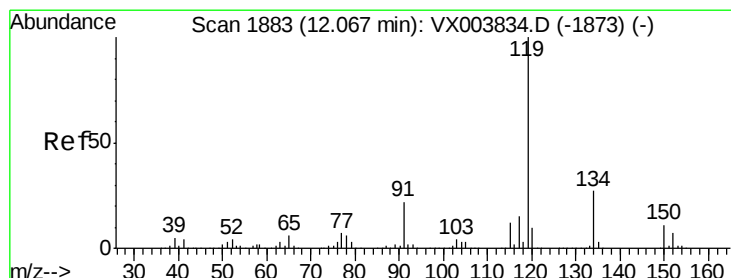
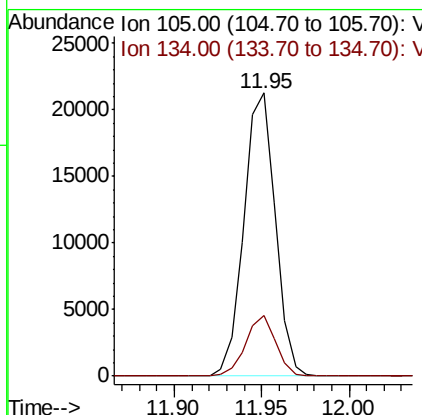
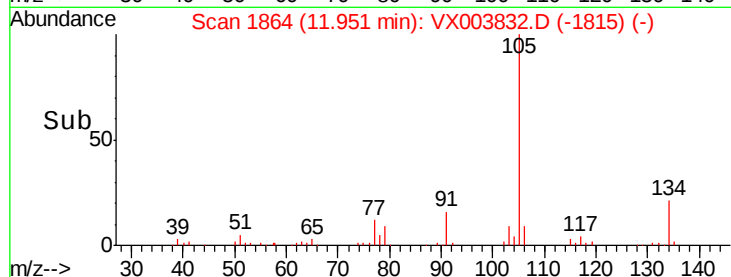
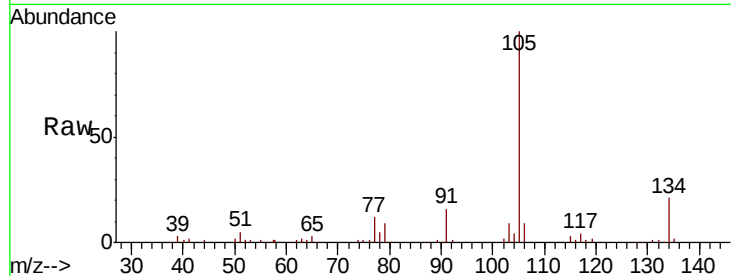
#85
 sec-Butylbenzene
 Concen: 4.83 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003832.D
 Acq: 02 Aug 2018 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.4	31.4

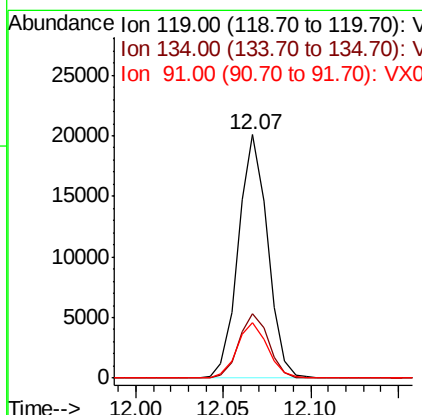
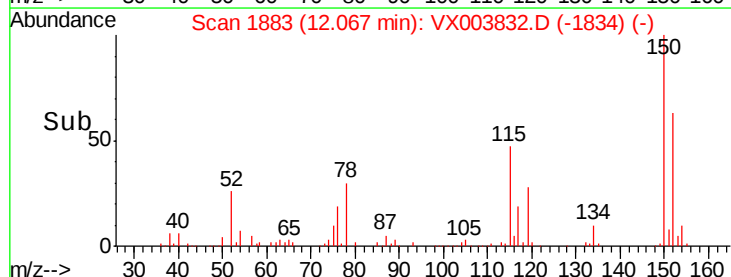
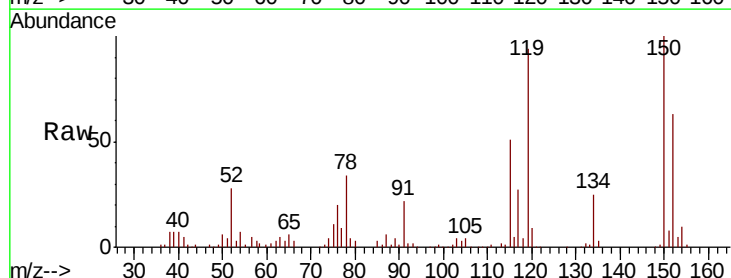
Manual Integrations
 APPROVED

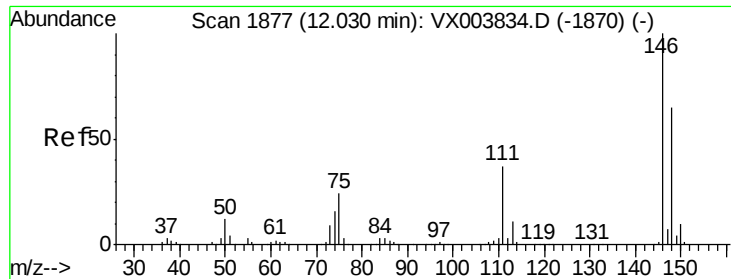
MMDadoda
 8/6/2018 1:35:36 PM



#86
 p-Isopropyltoluene
 Concen: 4.73 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003832.D
 Acq: 02 Aug 2018 19:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.4	40.2
91	23.7	11.1	33.1





#87

1,3-Dichlorobenzene

Concen: 5.05 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Instrument :

MSVOA_X

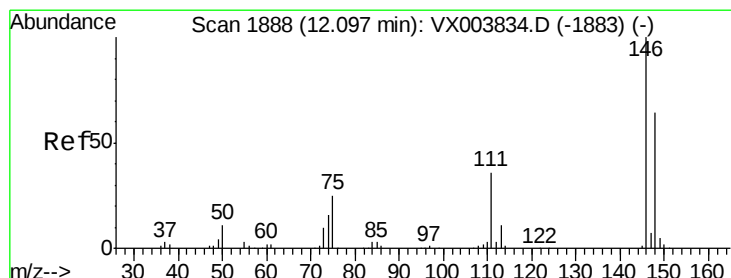
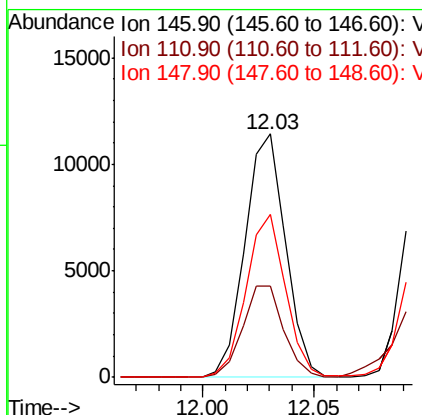
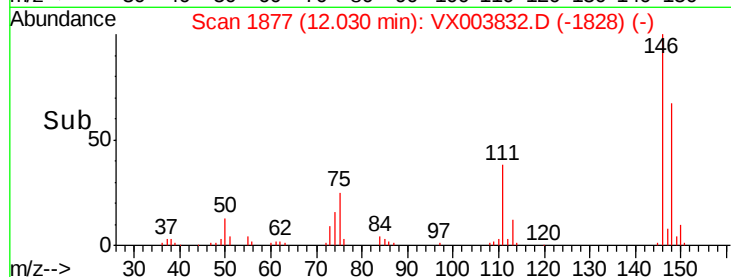
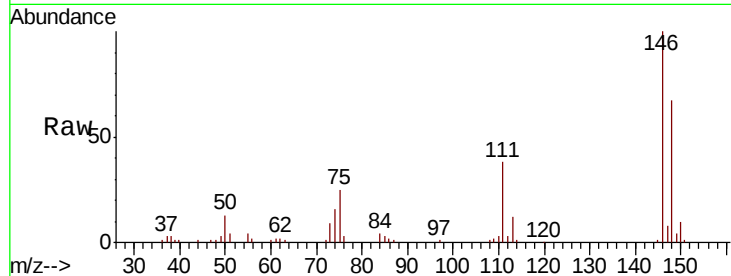
ClientSampled :

VSTDIC005

Tot Ion:	146	Resp:	14546
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.8	56.4
148	64.9	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
8/6/2018 1:35:36 PM



#88

1,4-Dichlorobenzene

Concen: 5.16 ug/l

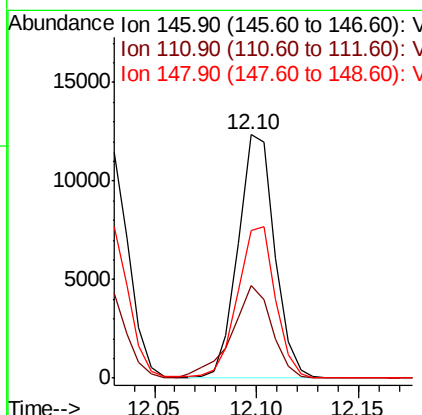
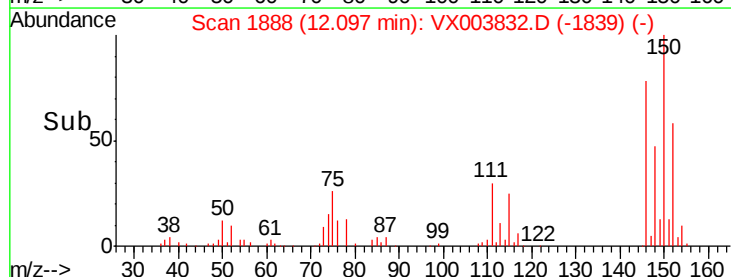
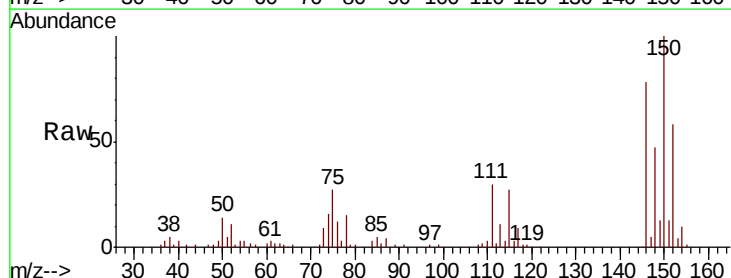
RT: 12.10 min Scan# 1888

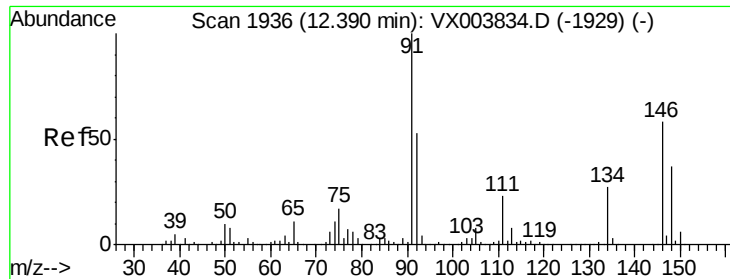
Delta R.T. -0.00 min

Lab File: VX003832.D

Acq: 02 Aug 2018 19:22

Tgt Ion:	146	Resp:	15464
Ion Ratio	Lower	Upper	
146	100		
111	41.5	18.1	54.3
148	64.5	32.1	96.5





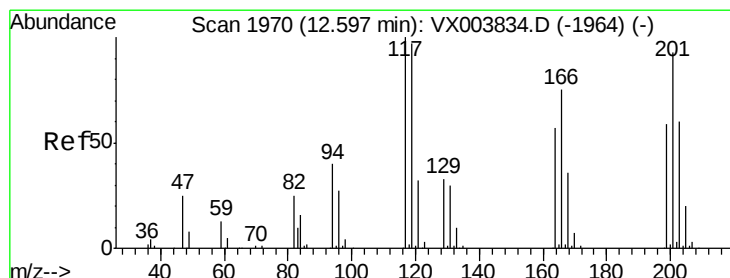
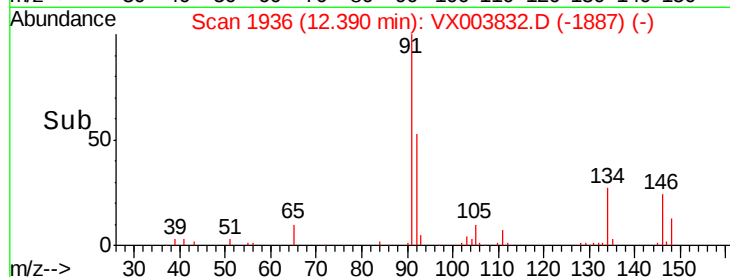
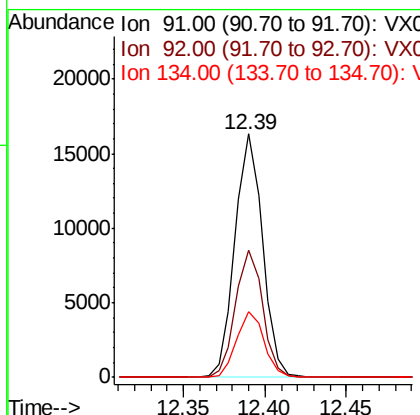
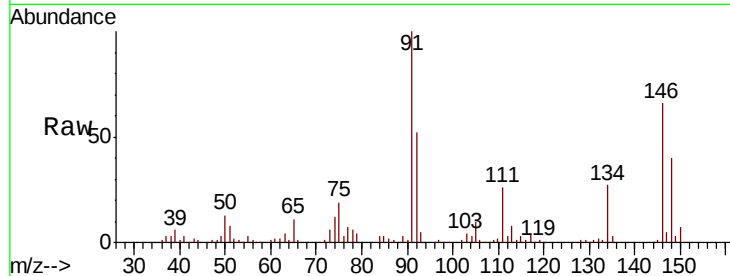
#89
n-Butylbenzene
Concen: 4.34 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.3	78.9
134	26.7	13.7	41.0

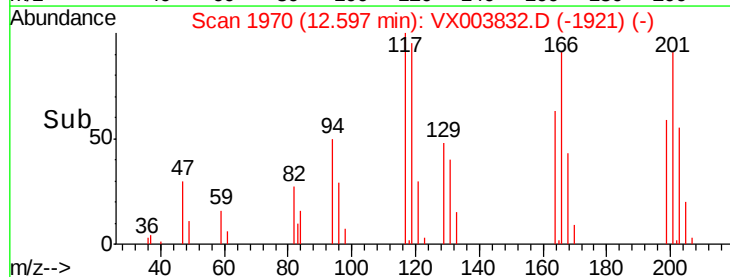
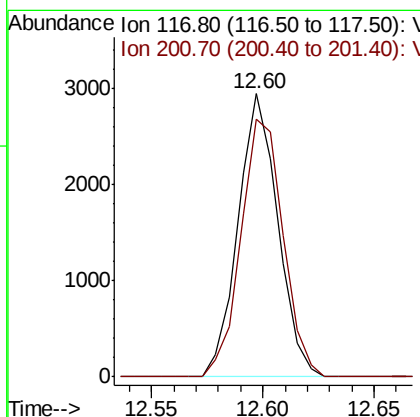
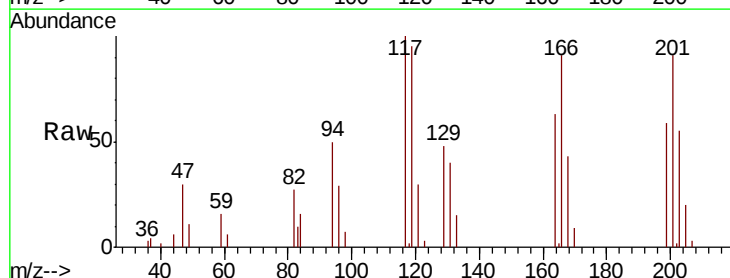
Manual Integrations
APPROVED

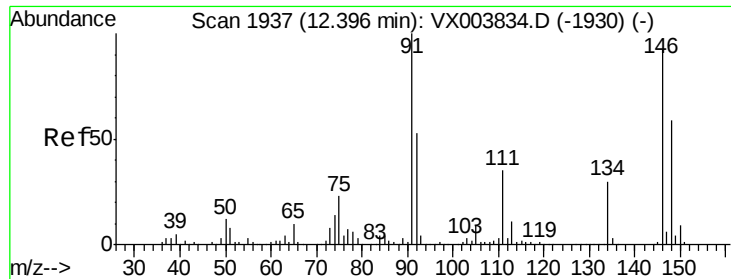
MMDadoda
8/6/2018 1:35:36 PM



#90
Hexachloroethane
Concen: 4.80 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.9	49.9	149.6





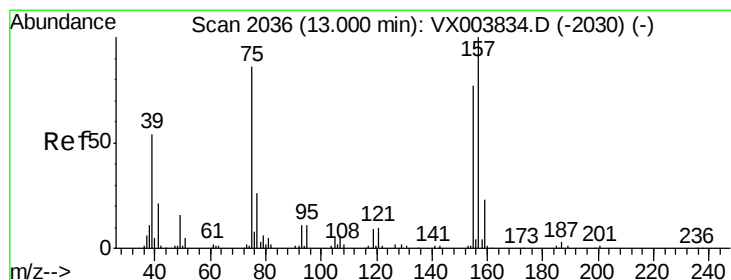
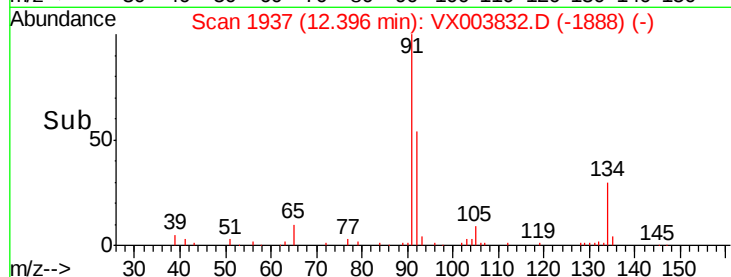
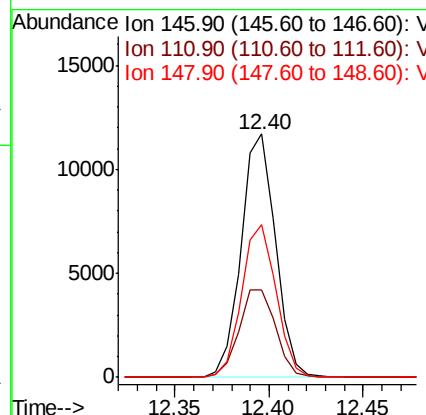
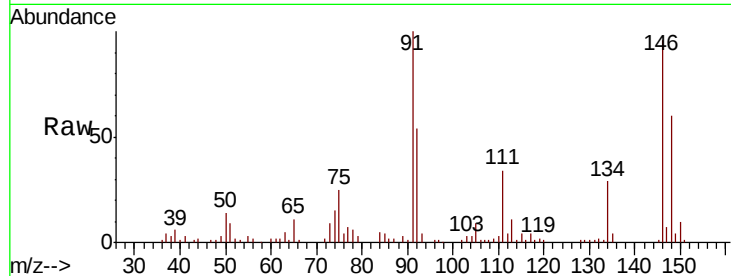
#91
 1,2-Dichlorobenzene
 Concen: 5.01 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003832.D
 Acq: 02 Aug 2018 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.5
148	62.9	32.0	96.2

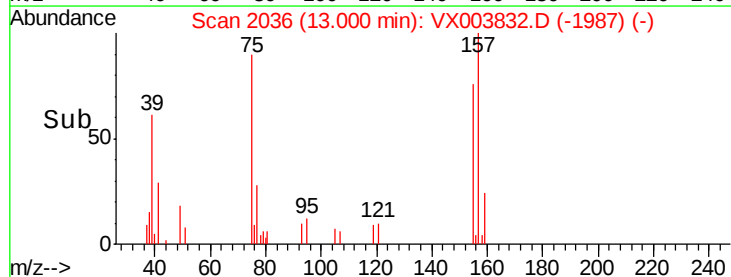
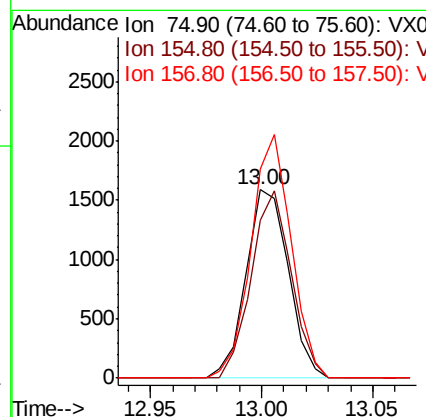
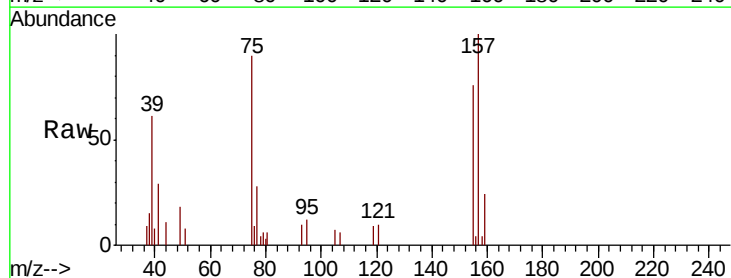
Manual Integrations
 APPROVED

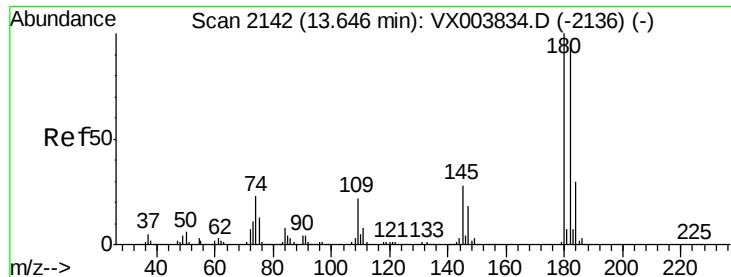
MMDadoda
 8/6/2018 1:35:36 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.82 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX003832.D
 Acq: 02 Aug 2018 19:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	49.5	148.3
157	121.7	64.5	193.5





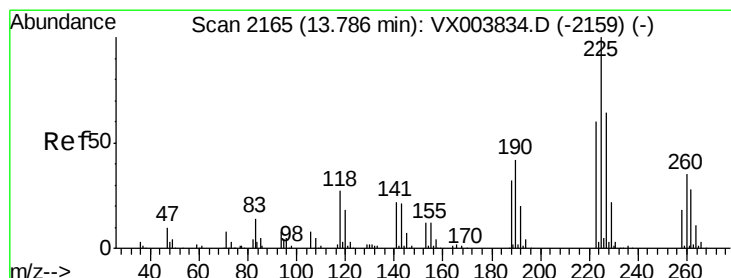
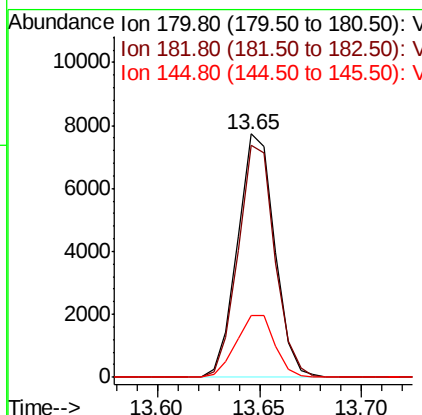
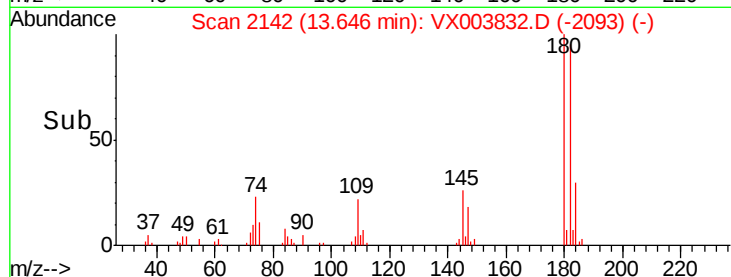
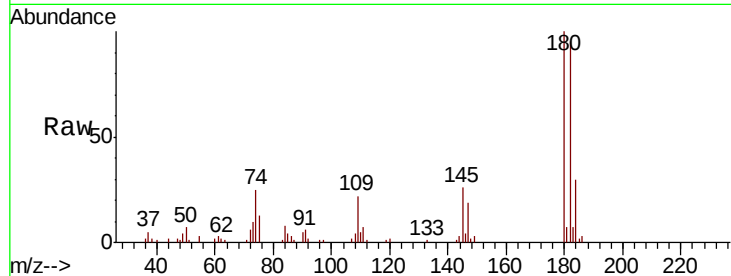
#93
 1,2,4-Trichlorobenzene
 Concen: 4.63 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX003832.D
 Acq: 02 Aug 2018 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.6	142.9
145	26.5	13.8	41.3

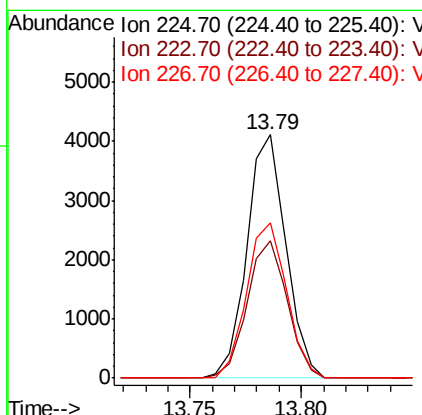
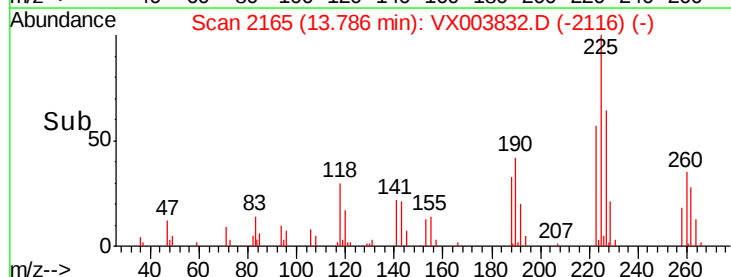
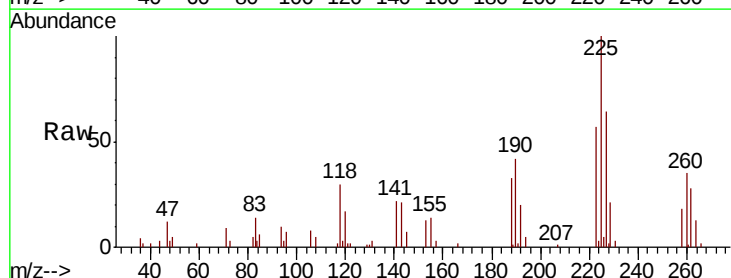
Manual Integrations
 APPROVED

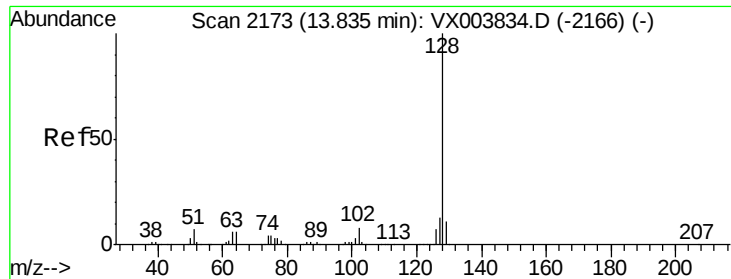
MMDadoda
 8/6/2018 1:35:36 PM



#94
 Hexachlorobutadiene
 Concen: 5.29 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003832.D
 Acq: 02 Aug 2018 19:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.9	30.4	91.3
227	65.2	32.2	96.6





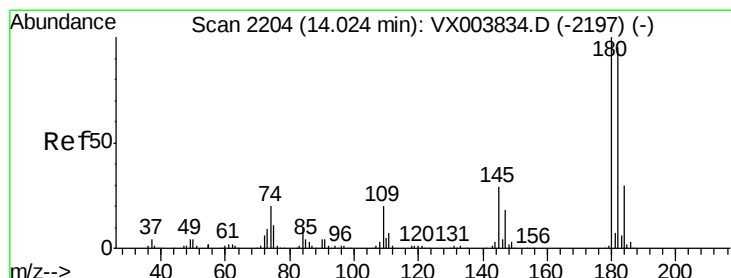
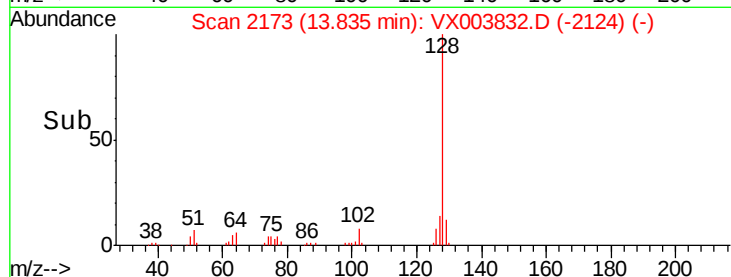
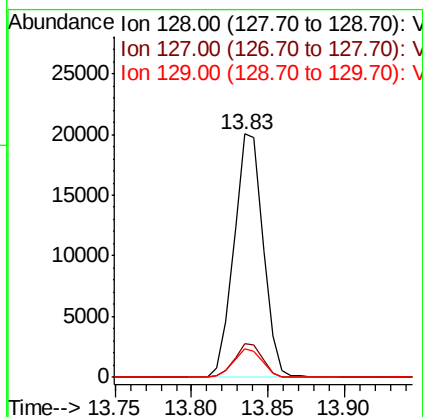
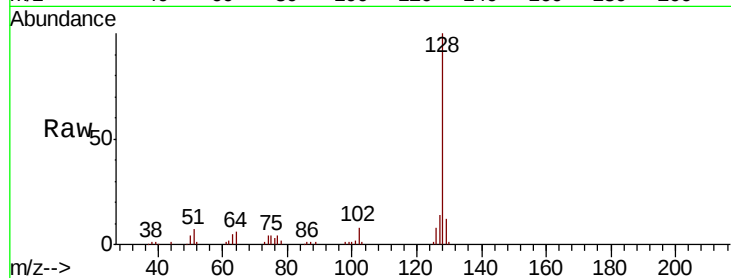
#95
Naphthalene
Concen: 4.16 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.4	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/6/2018 1:35:36 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.89 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003832.D
Acq: 02 Aug 2018 19:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.8	143.4
145	28.5	14.6	44.0

