

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110718\
 Data File : VX005830.D
 Acq On : 07 Nov 2018 16:24
 Operator : JC/MD
 Sample : VX1107WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 10:35:47 AM

Quant Time: Nov 08 07:52:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	123162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	161636	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	138697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	77291	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	71531	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	5.49	113	55911	50.86	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	8.71	98	188482	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
62) 4-Bromofluorobenzene	11.14	95	69692	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	24793	22.327	ug/l	92
3) Chloromethane	1.32	50	30718	21.078	ug/l	98
4) Vinyl Chloride	1.40	62	29847	20.401	ug/l	93
5) Bromomethane	1.64	94	16623	18.567	ug/l	98
6) Chloroethane	1.72	64	17444	19.983	ug/l	94
7) Trichlorofluoromethane	1.93	101	38275	19.710	ug/l	93
8) Diethyl Ether	2.18	74	15218	19.999	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	22904	20.507	ug/l	98
10) Methyl Iodide	2.51	142	23228	17.160	ug/l	98
11) Tert butyl alcohol	3.06	59	37191	91.692	ug/l	99
12) 1,1-Dichloroethene	2.37	96	21184	19.460	ug/l	95
13) Acrolein	2.29	56	16673	98.766	ug/l	98
14) Allyl chloride	2.73	41	48046	19.761	ug/l	98
15) Acrylonitrile	3.15	53	83343	99.150	ug/l	97
16) Acetone	2.45	43	73392	96.270	ug/l #	87
17) Carbon Disulfide	2.57	76	62043	19.107	ug/l	99
18) Methyl Acetate	2.78	43	41958	19.636	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	73446	19.767	ug/l	92
20) Methylene Chloride	2.86	84	24353	19.447	ug/l	83
21) trans-1,2-Dichloroethene	3.17	96	23118	20.134	ug/l	91
22) Diisopropyl ether	3.87	45	81547	19.146	ug/l #	95
23) Vinyl Acetate	3.82	43	359660	98.487	ug/l	99
24) 1,1-Dichloroethane	3.70	63	45171	19.879	ug/l	99
25) 2-Butanone	4.70	43	120999	100.954	ug/l	100
26) 2,2-Dichloropropane	4.59	77	34838	20.900	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	25646	20.228	ug/l	98
28) Bromochloromethane	5.02	49	21916	21.580	ug/l	97
29) Tetrahydrofuran	5.15	42	77679	100.939	ug/l	99
30) Chloroform	5.21	83	42643	19.451	ug/l	86
31) Cyclohexane	5.58	56	39106	19.826	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	36246	19.822	ug/l	99
36) 1,1-Dichloropropene	5.80	75	33310	21.377	ug/l	96
37) Ethyl Acetate	4.85	43	43355	21.158	ug/l	99
38) Carbon Tetrachloride	5.77	117	32353	20.740	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110718\
 Data File : VX005830.D
 Acq On : 07 Nov 2018 16:24
 Operator : JC/MD
 Sample : VX1107WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 10:35:47 AM

Quant Time: Nov 08 07:52:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	34479	21.832	ug/l	89
40) Benzene	6.14	78	101237	22.286	ug/l	93
41) Methacrylonitrile	5.06	41	23548	21.268	ug/l	99
42) 1,2-Dichloroethane	6.20	62	33340	20.491	ug/l	98
43) Isopropyl Acetate	6.46	43	62029	20.891	ug/l	97
44) Trichloroethene	7.21	130	22918	19.867	ug/l	97
45) 1,2-Dichloropropane	7.51	63	23076	20.930	ug/l	97
46) Dibromomethane	7.66	93	15197	21.965	ug/l	98
47) Bromodichloromethane	7.90	83	27641	21.140	ug/l	99
48) Methyl methacrylate	7.77	41	27860	20.897	ug/l	99
49) 1,4-Dioxane	7.75	88	11772	409.767	ug/l #	93
51) 4-Methyl-2-Pentanone	8.65	43	188930	100.964	ug/l	99
52) Toluene	8.78	92	51528	20.296	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	29368	19.033	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	32754	20.827	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	20945	18.511	ug/l	98
56) Ethyl methacrylate	9.18	69	30884	18.243	ug/l	98
57) 1,3-Dichloropropane	9.37	76	35404	18.620	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	92091	104.800	ug/l	99
59) 2-Hexanone	9.49	43	148737	90.174	ug/l	98
60) Dibromochloromethane	9.59	129	21768	17.801	ug/l	100
61) 1,2-Dibromoethane	9.67	107	22078	17.646	ug/l	100
64) Tetrachloroethene	9.34	164	23414	19.828	ug/l	99
65) Chlorobenzene	10.14	112	56851	20.461	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	20730	21.460	ug/l	100
67) Ethyl Benzene	10.25	91	96993	21.769	ug/l	99
68) m/p-Xylenes	10.36	106	75610	44.490	ug/l	99
69) o-Xylene	10.70	106	35401	23.230	ug/l	100
70) Styrene	10.71	104	59463	23.653	ug/l	99
71) Bromoform	10.86	173	17442	21.539	ug/l #	99
73) Isopropylbenzene	11.02	105	98884	22.123	ug/l	99
74) N-amyl acetate	10.90	43	46040	19.150	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	33171	20.219	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	32959m	20.942	ug/l	
77) Bromobenzene	11.26	156	26100	20.717	ug/l	99
78) n-propylbenzene	11.36	91	115793	21.982	ug/l	99
79) 2-Chlorotoluene	11.42	91	68615	21.550	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	84493	22.245	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	9981	20.213	ug/l	95
82) 4-Chlorotoluene	11.51	91	81872	21.819	ug/l	100
83) tert-Butylbenzene	11.77	119	81658	21.251	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	87204	20.734	ug/l	98
85) sec-Butylbenzene	11.94	105	101066	21.508	ug/l	100
86) p-Isopropyltoluene	12.07	119	90364	21.710	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	48572	20.090	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	49988	20.197	ug/l	99
89) n-Butylbenzene	12.39	91	81270	21.068	ug/l	99
90) Hexachloroethane	12.60	117	14093	20.280	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	48428	19.995	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	8514	21.267	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110718\
Data File : VX005830.D
Acq On : 07 Nov 2018 16:24
Operator : JC/MD
Sample : VX1107WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBS01

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:47 AM

Quant Time: Nov 08 07:52:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	36276	21.275	ug/l	99
94) Hexachlorobutadiene	13.79	225	18669	20.844	ug/l	99
95) Naphthalene	13.83	128	106408	19.863	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	37031	21.318	ug/l	98

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

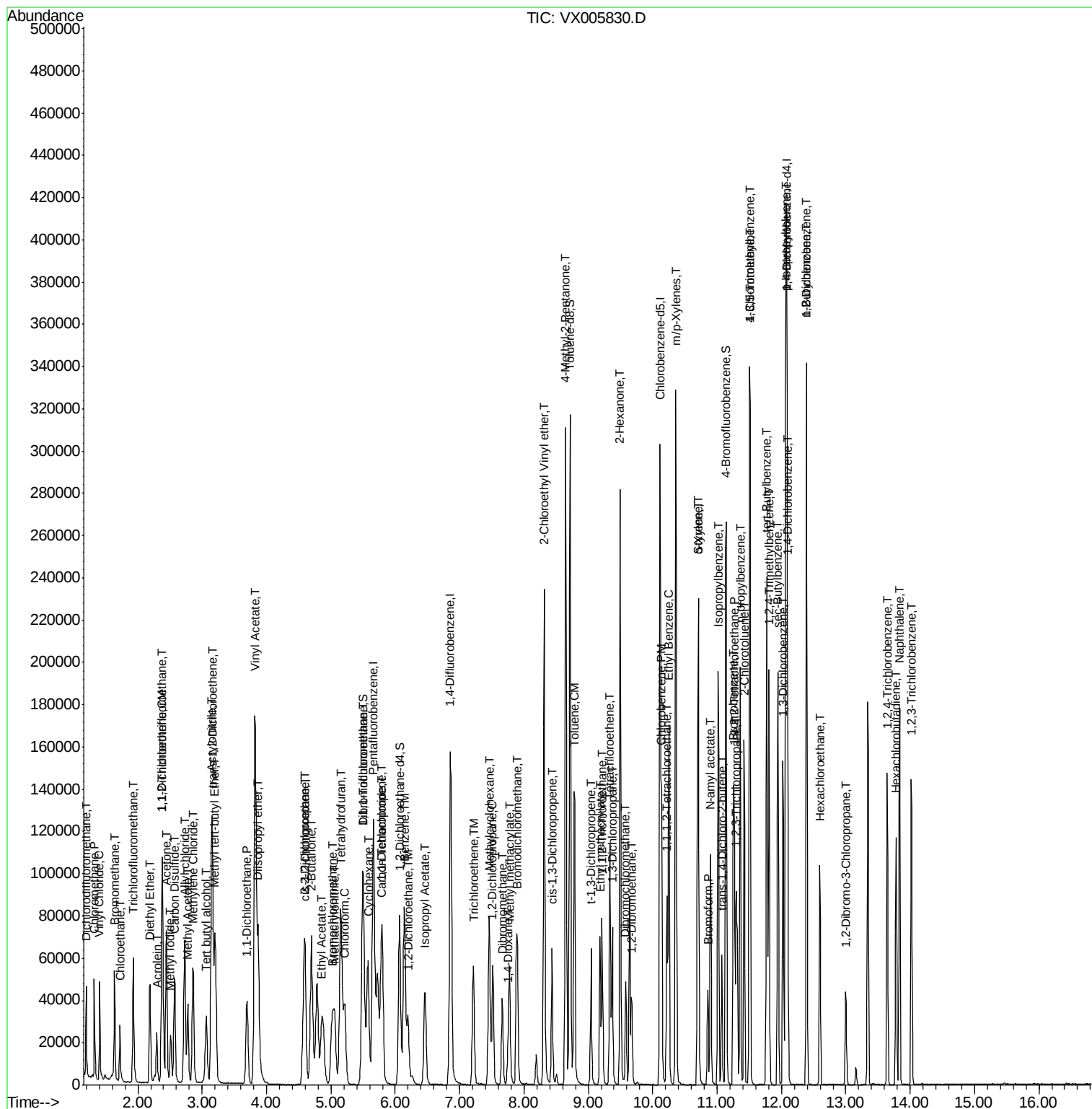
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110718\
Data File : VX005830.D
Acq On : 07 Nov 2018 16:24
Operator : JC/MD
Sample : VX1107WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

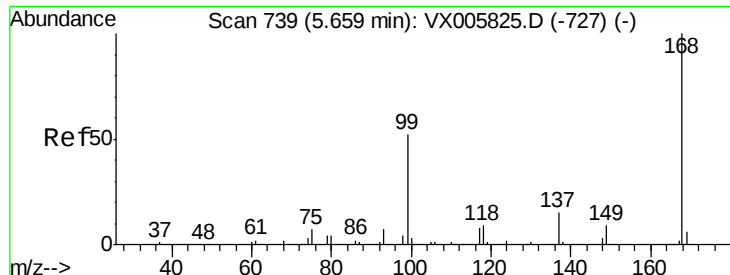
Instrument :
MSVOA_X
Client Sampled :
VX1107WBS01

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:47 AM

Quant Time: Nov 08 07:52:07 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBS01

Tot Ion:168 Resp: 123162

Ion Ratio Lower Upper

168 100

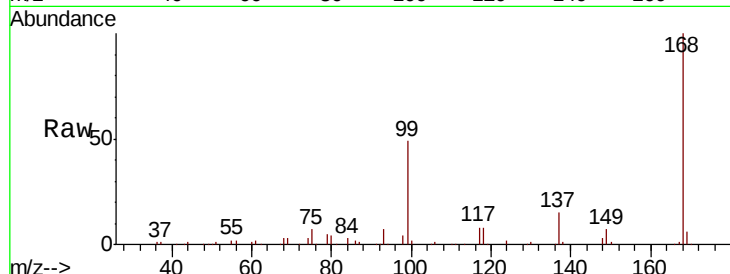
99 49.5 40.7 61.1

Manual Integrations

APPROVED

MMDadoda

11/8/2018 10:35:47 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

50000

40000

30000

20000

10000

0

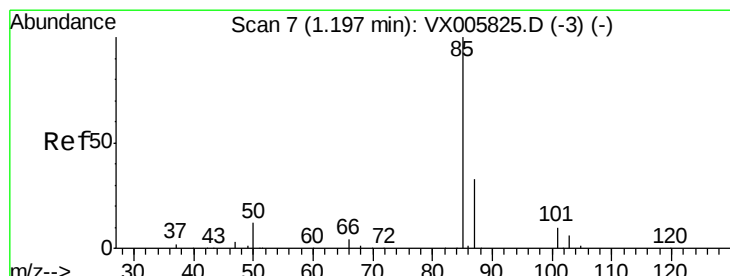
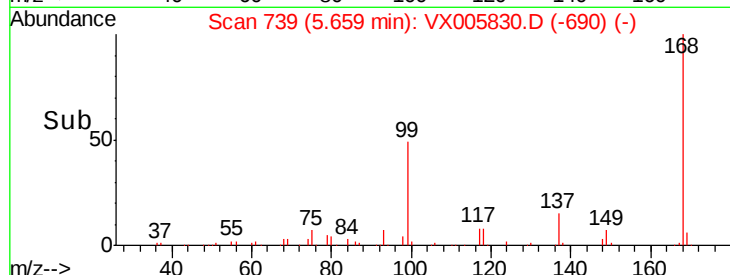
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 22.327 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005830.D

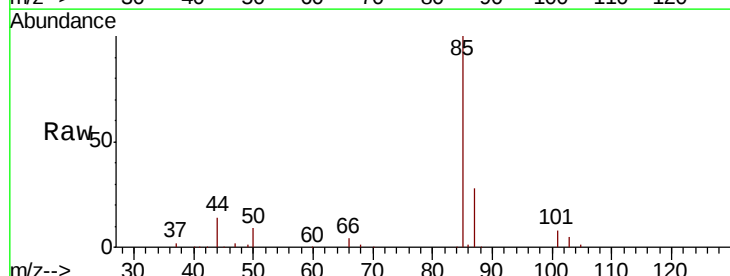
Acq: 07 Nov 2018 16:24

Tgt Ion: 85 Resp: 24793

Ion Ratio Lower Upper

85 100

87 28.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

30000

25000

20000

15000

10000

5000

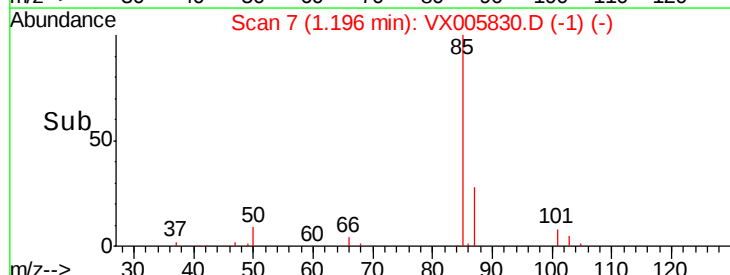
0

1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 21.078 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBS01

Tot Ion: 50 Resp: 30718

Ion Ratio Lower Upper

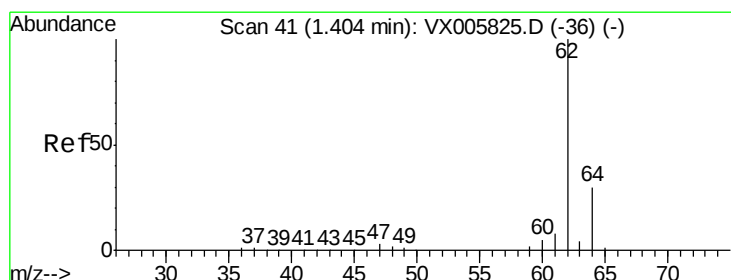
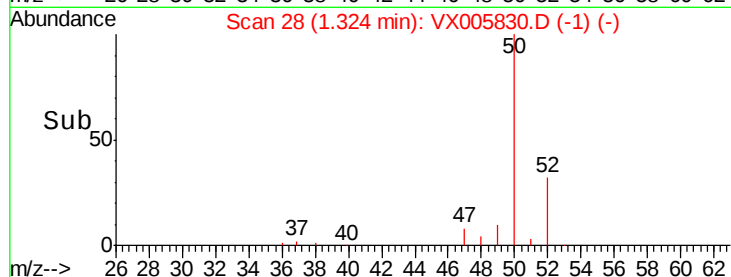
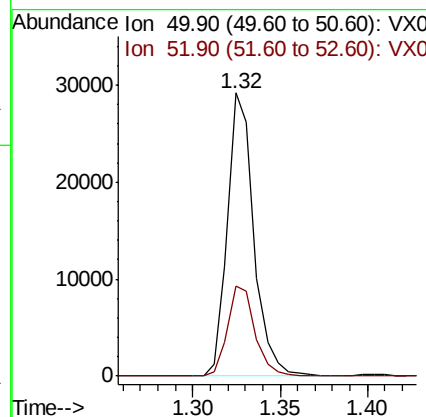
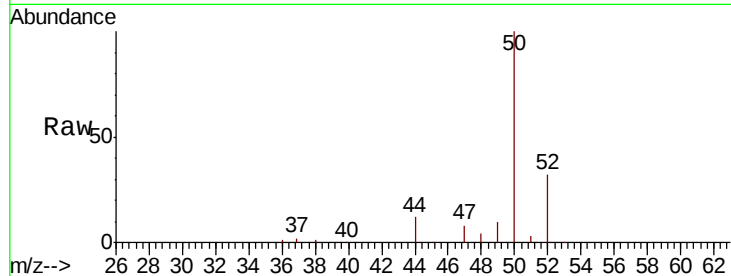
50 100

52 31.6 26.2 39.2

Manual Integrations
APPROVED

MMDadoda

11/8/2018 10:35:47 AM



#4

Vinyl Chloride

Concen: 20.401 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005830.D

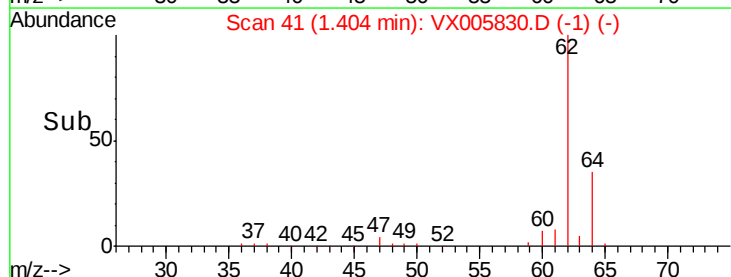
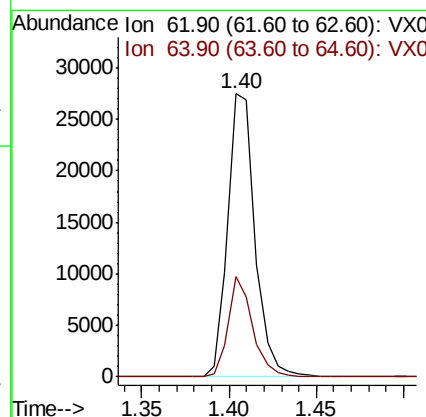
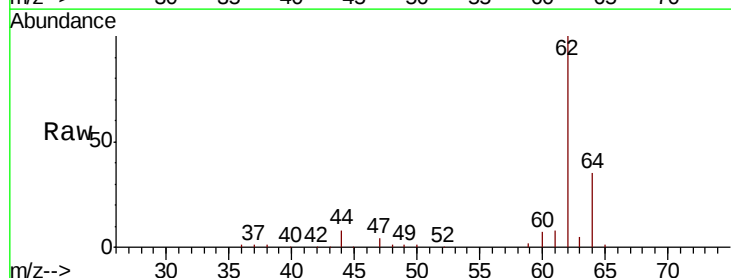
Acq: 07 Nov 2018 16:24

Tgt Ion: 62 Resp: 29847

Ion Ratio Lower Upper

62 100

64 35.3 25.3 37.9





#5

Bromomethane

Concen: 18.567 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBS01

Tot Ion: 94 Resp: 16623

Ion Ratio Lower Upper

94 100

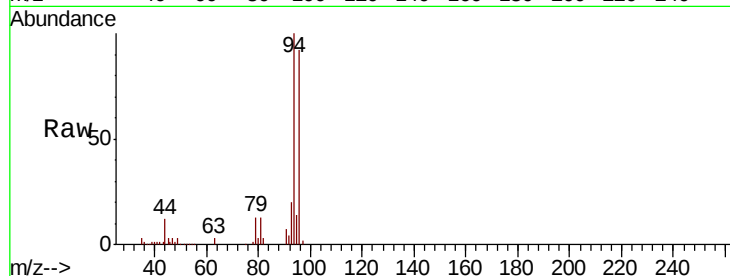
96 92.2 75.2 112.8

Manual Integrations

APPROVED

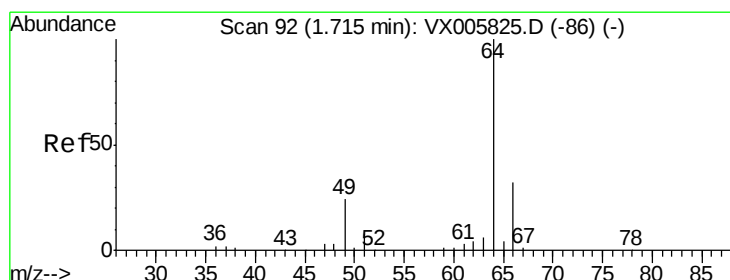
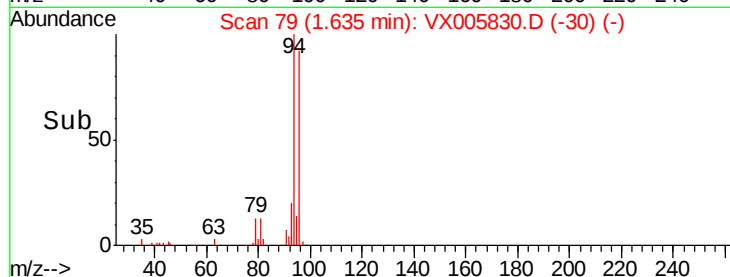
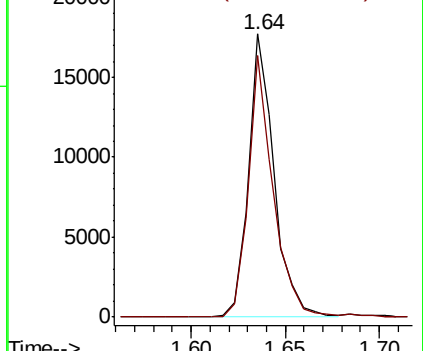
MMDadoda

11/8/2018 10:35:47 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.983 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005830.D

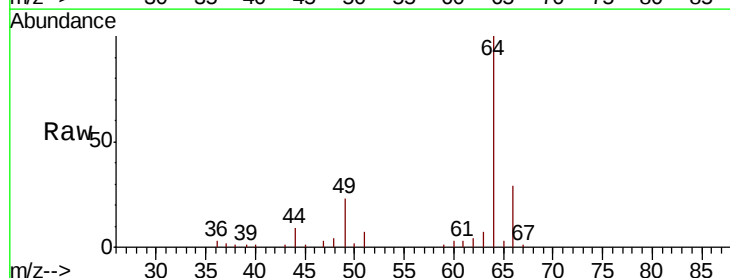
Acq: 07 Nov 2018 16:24

Tgt Ion: 64 Resp: 17444

Ion Ratio Lower Upper

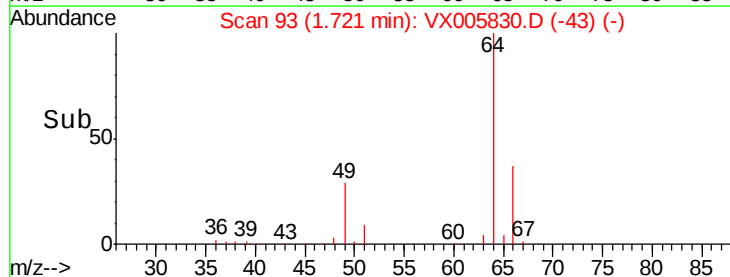
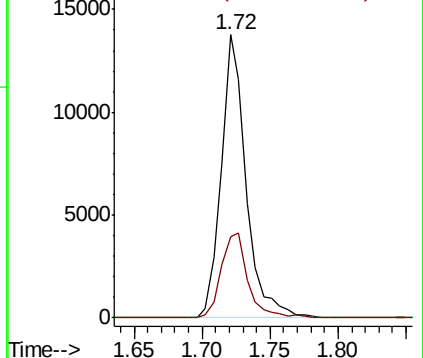
64 100

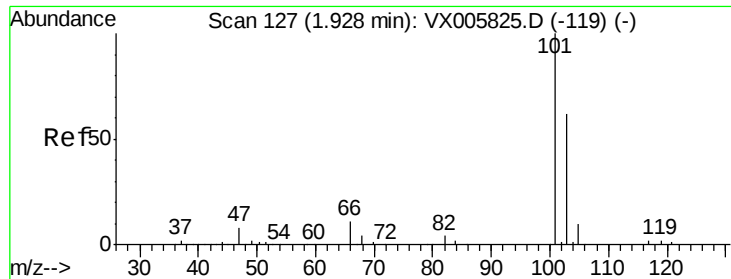
66 28.8 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

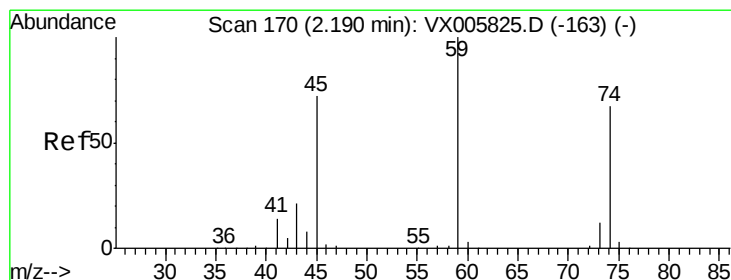
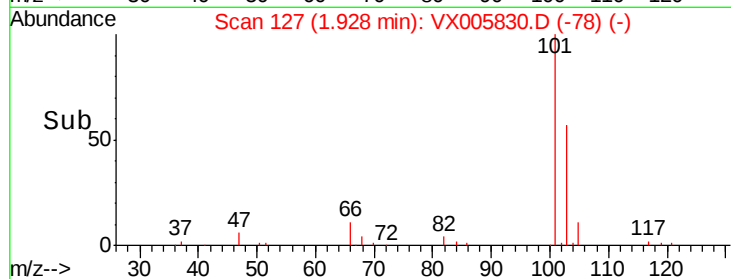
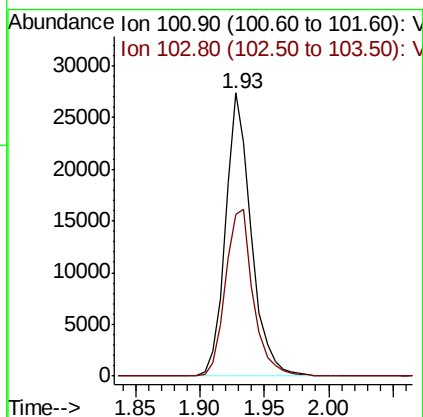
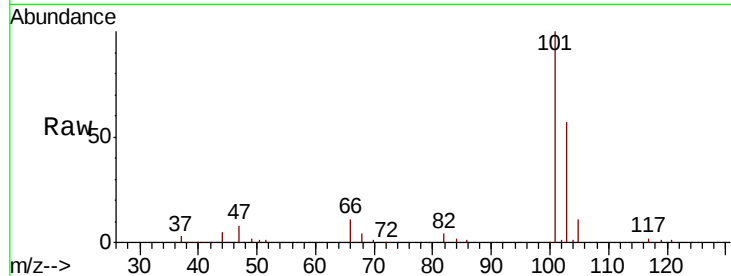
Trichlorofluoromethane
Concen: 19.710 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBS01

Tot Ion:101 Resp: 38275
Ion Ratio Lower Upper
101 100
103 57.2 50.0 75.0

Manual Integrations
APPROVED

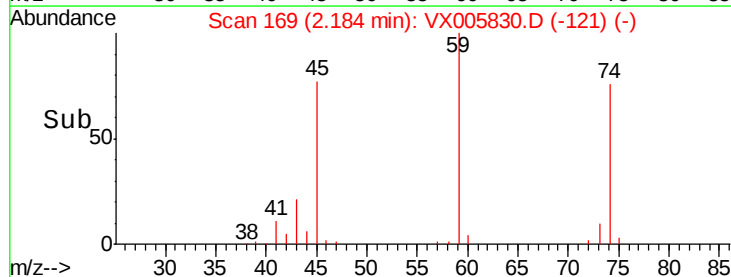
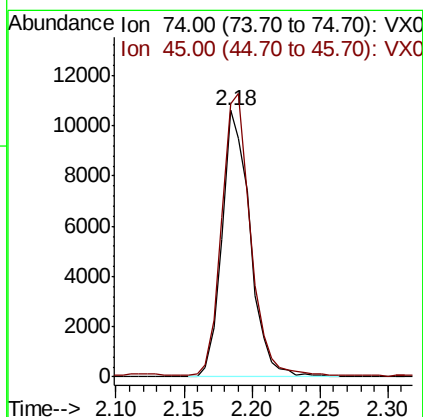
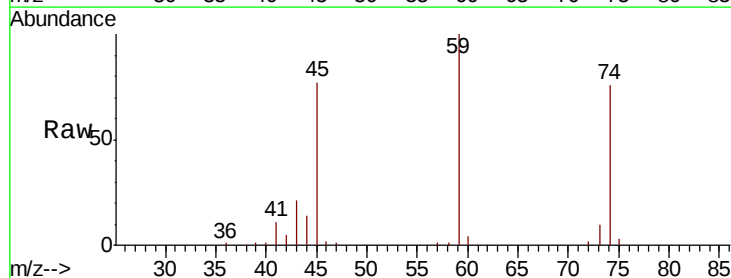
MMDadoda
11/8/2018 10:35:47 AM

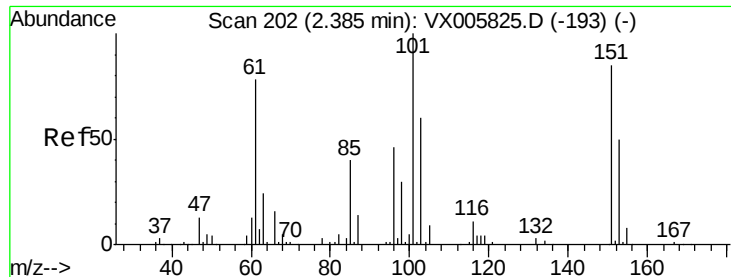


#8

Diethyl Ether
Concen: 19.999 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Tgt Ion: 74 Resp: 15218
Ion Ratio Lower Upper
74 100
45 111.6 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.507 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

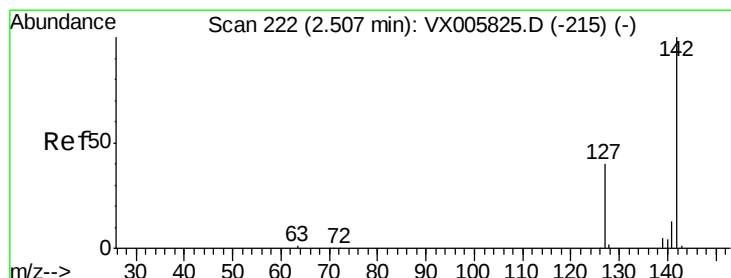
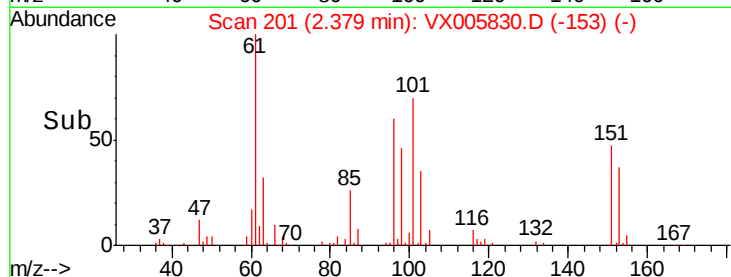
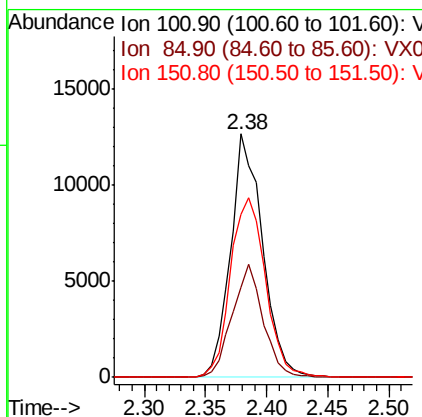
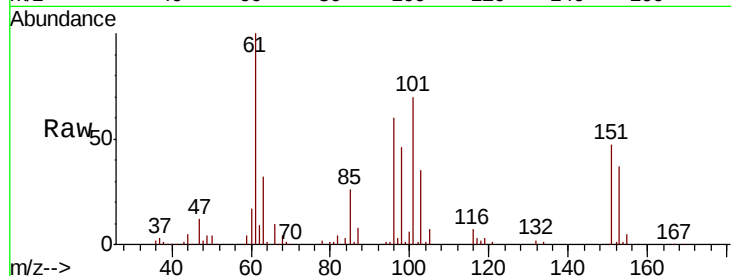
ClientSampleId :

VX1107WBS01

Tot Ion:	101	Resp:	22904
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.0	52.4
151	81.0	66.2	99.2

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:47 AM



#10

Methyl Iodide

Concen: 17.160 ug/l

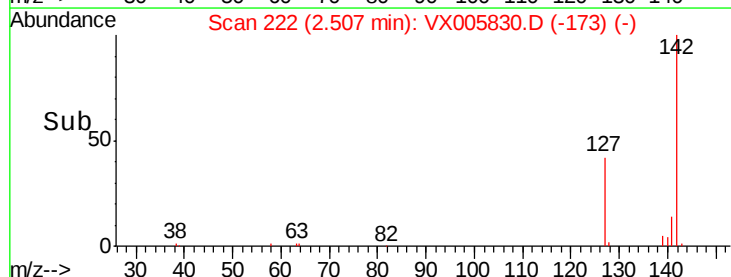
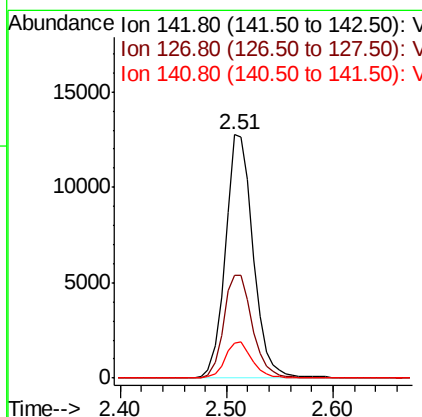
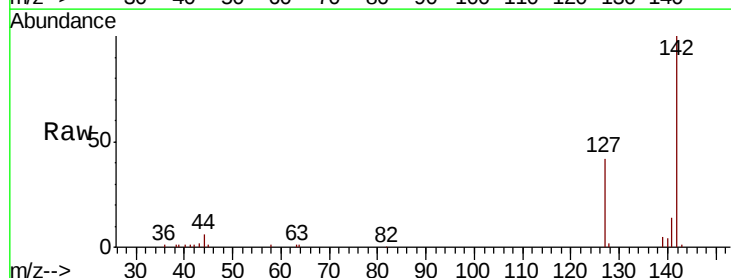
RT: 2.51 min Scan# 222

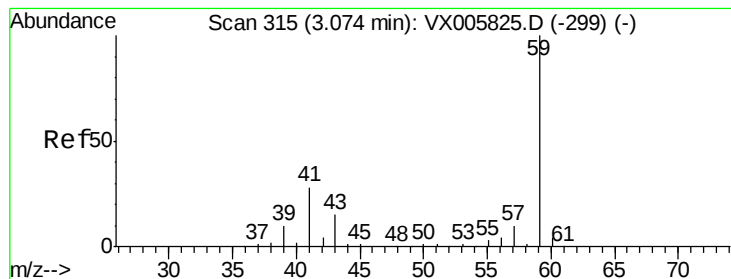
Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Tgt Ion:	142	Resp:	23228
Ion Ratio	Lower	Upper	
142	100		
127	43.6	36.0	54.0
141	14.2	11.7	17.5





#11

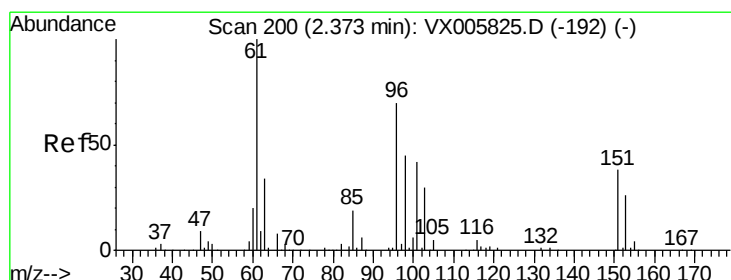
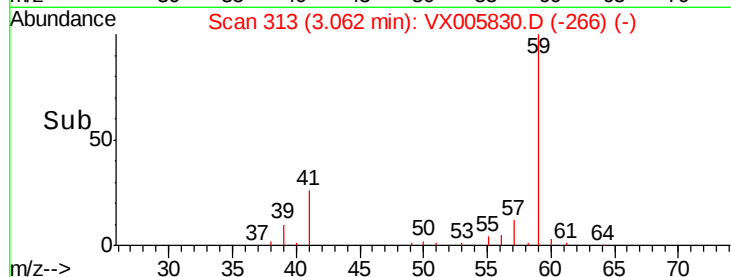
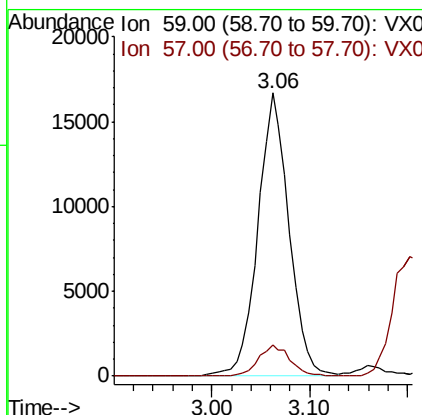
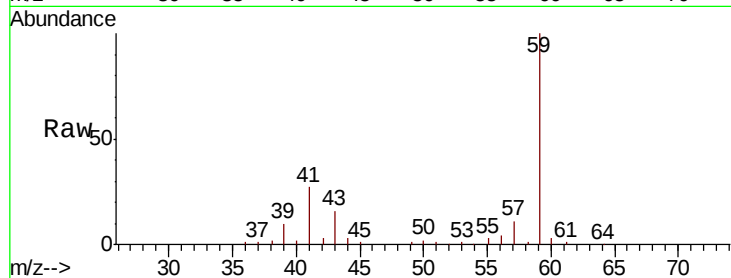
Tert butyl alcohol
Concen: 91.692 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.5	12.7

Manual Integrations
APPROVED

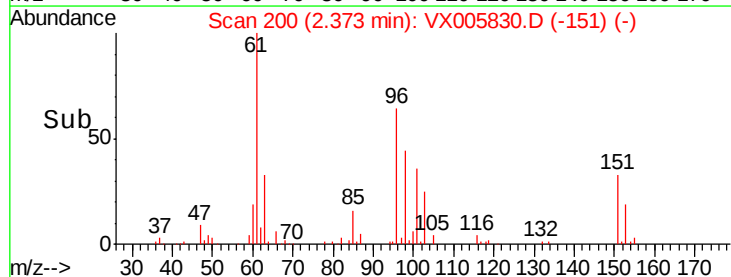
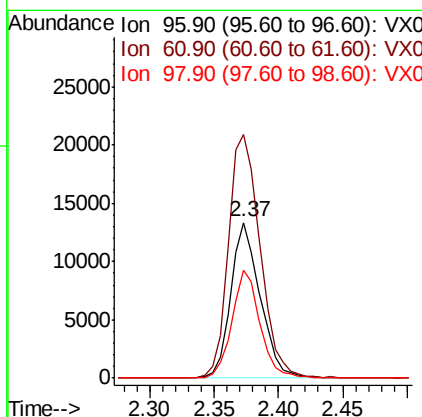
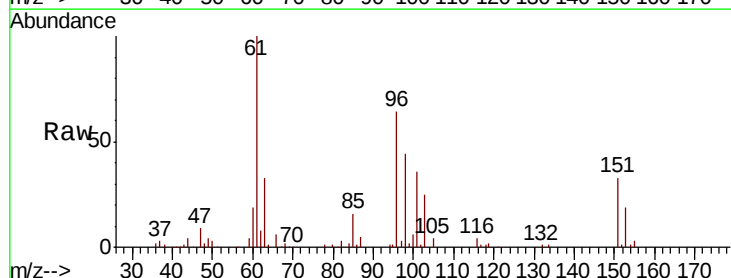
MMDadoda
11/8/2018 10:35:47 AM

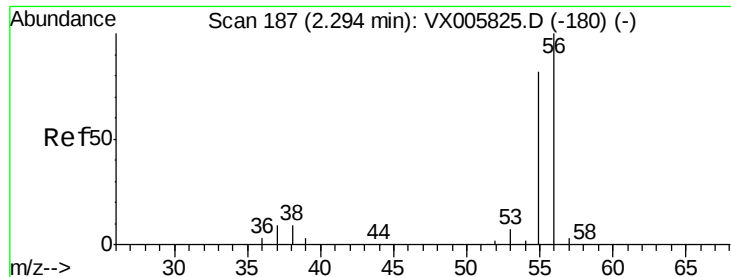


#12

1,1-Dichloroethene
Concen: 19.460 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.7	131.8	197.8
98	69.7	53.4	80.2





#13

Acrolein

Concen: 98.766 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBS01

Tot Ion: 56 Resp: 16673

Ion Ratio Lower Upper

56 100

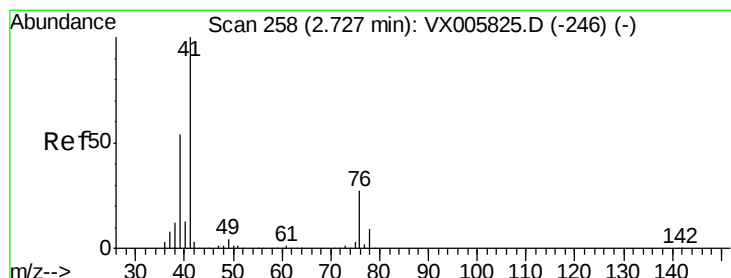
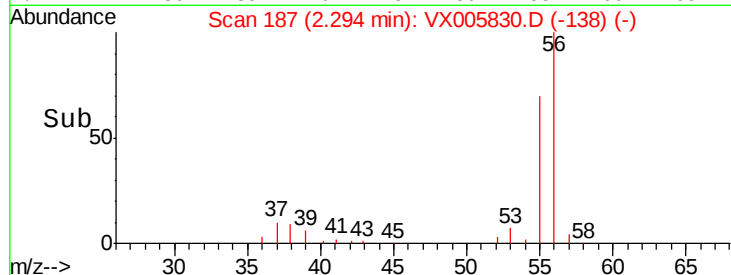
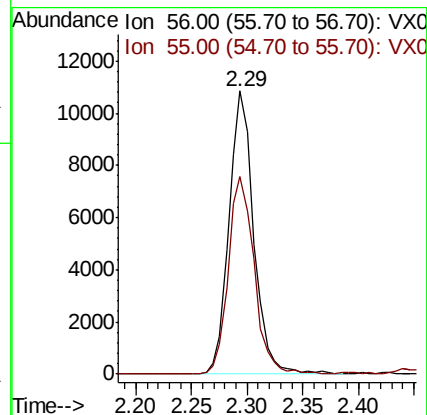
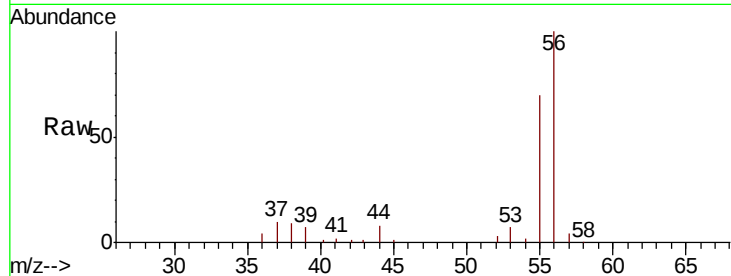
55 73.3 57.3 85.9

Manual Integrations

APPROVED

MMDadoda

11/8/2018 10:35:47 AM



#14

Allyl chloride

Concen: 19.761 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

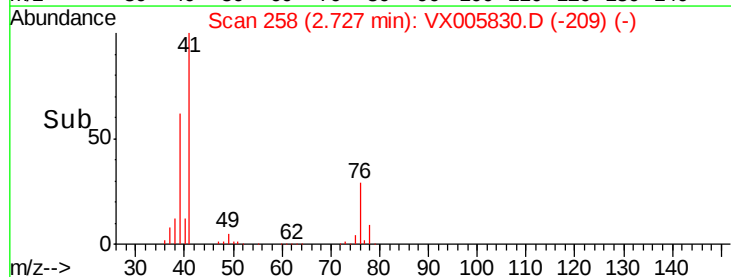
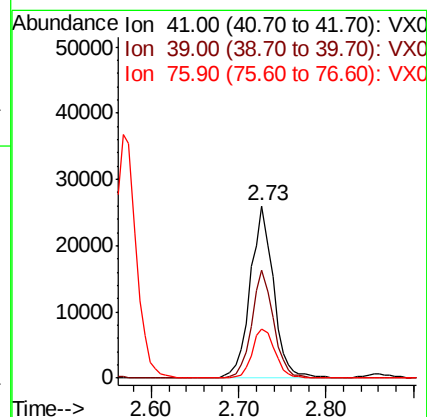
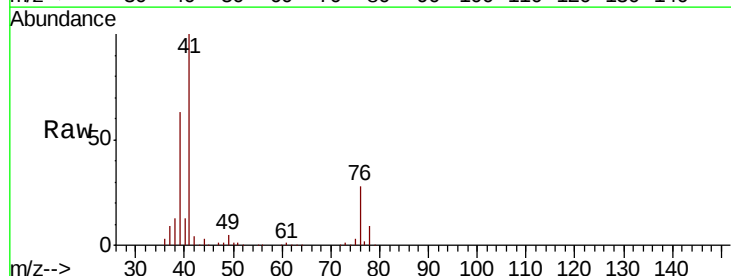
Tgt Ion: 41 Resp: 48046

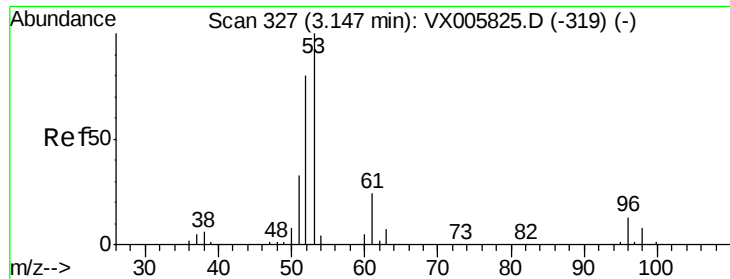
Ion Ratio Lower Upper

41 100

39 58.3 48.2 72.4

76 27.8 21.9 32.9





#15

Acrylonitrile

Concen: 99.150 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

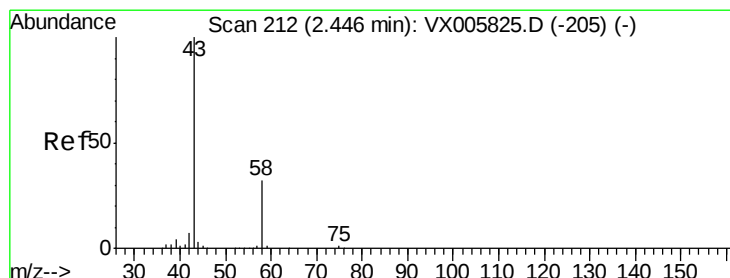
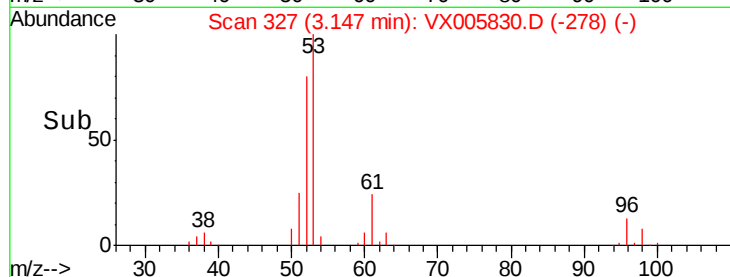
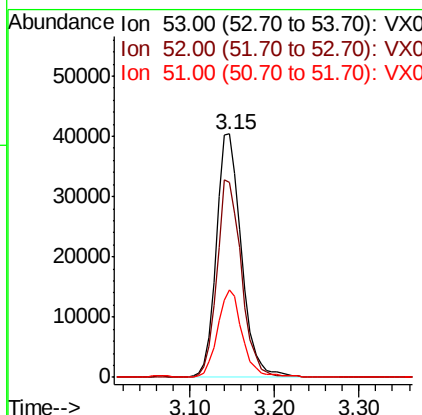
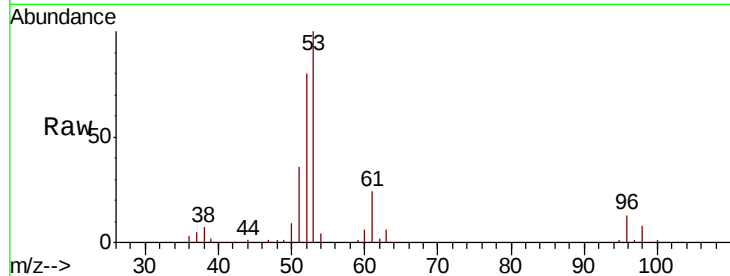
ClientSampleId :

VX1107WBS01

Tot Ion:	53	Resp:	83343
Ion Ratio	Lower	Upper	
53	100		
52	79.6	66.6	99.8
51	35.6	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:47 AM



#16

Acetone

Concen: 96.270 ug/l

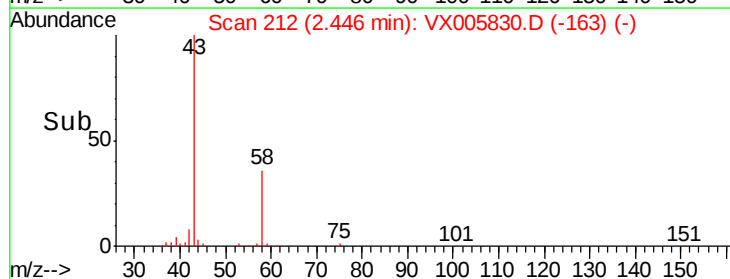
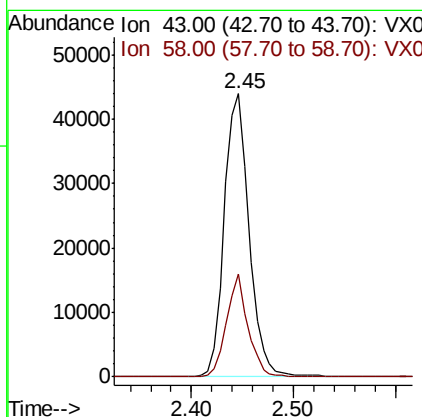
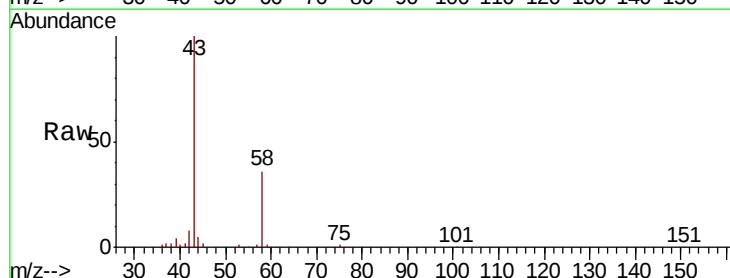
RT: 2.45 min Scan# 212

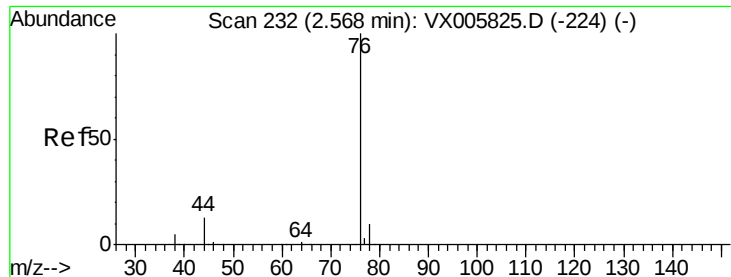
Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Tgt Ion:	43	Resp:	73392
Ion Ratio	Lower	Upper	
43	100		
58	36.5	23.8	35.6#





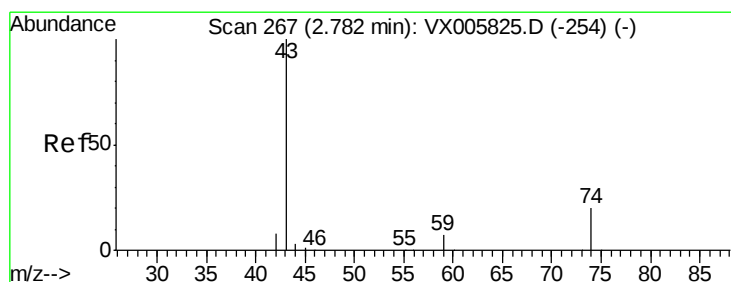
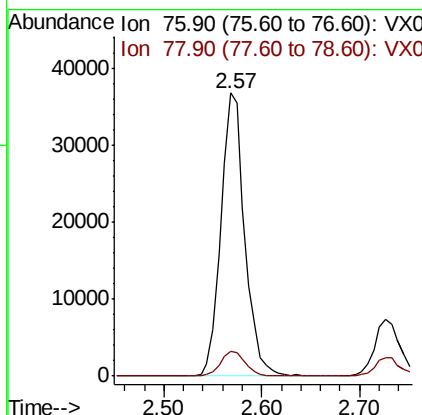
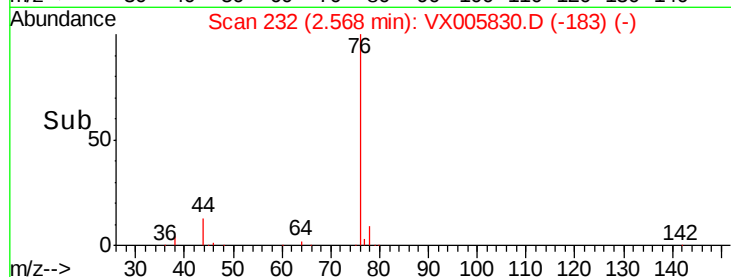
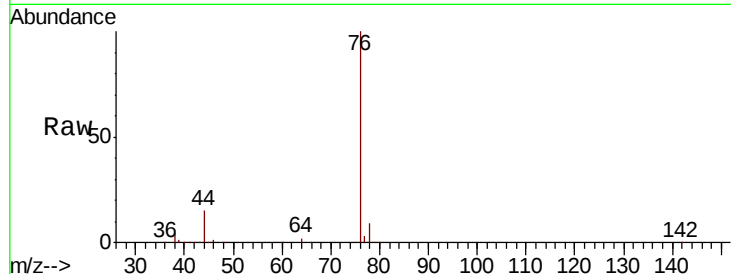
#17
Carbon Disulfide
Concen: 19.107 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

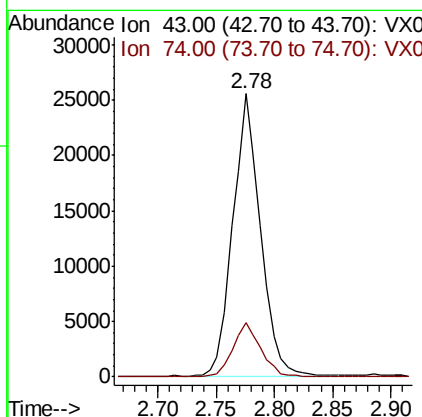
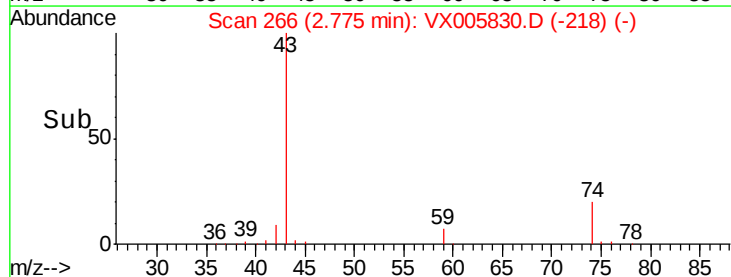
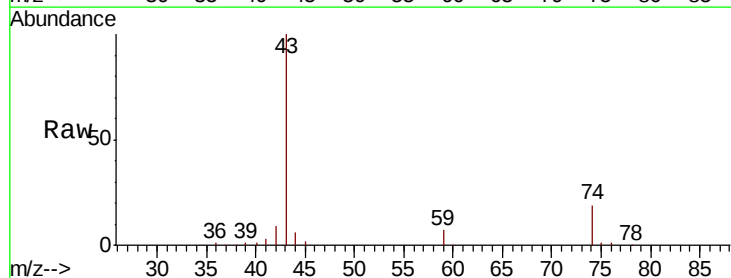
Manual Integrations
APPROVED

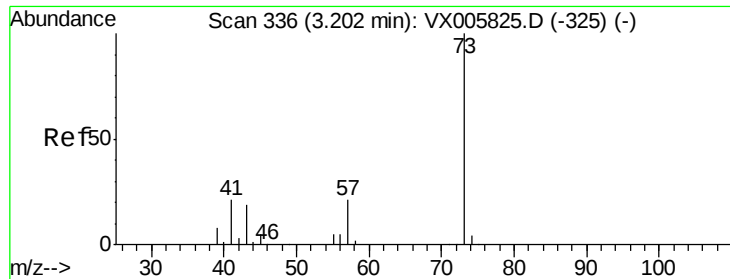
MMDadoda
11/8/2018 10:35:47 AM



#18
Methyl Acetate
Concen: 19.636 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.8	16.8	25.2





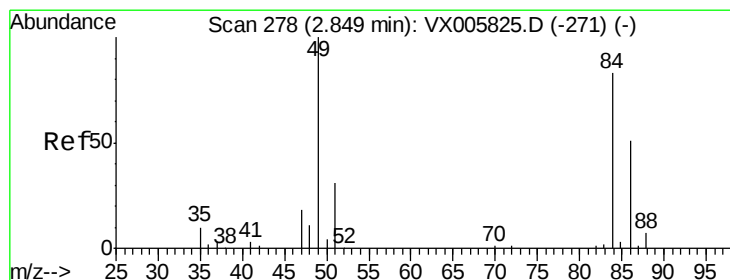
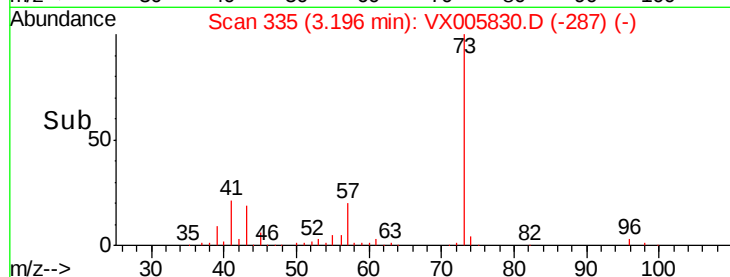
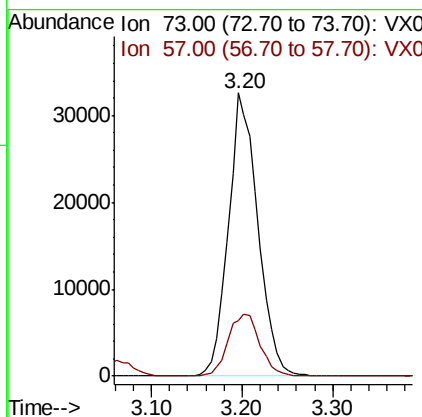
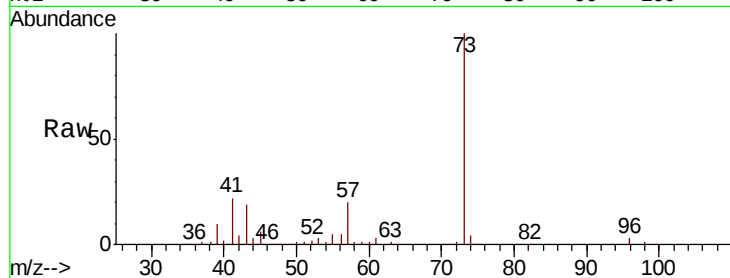
#19
Methvl tert-butvl Ether
Concen: 19.767 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.01 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBS01

Tot Ion: 73 Resp: 73446
Ion Ratio Lower Upper
73 100
57 19.8 18.8 28.2

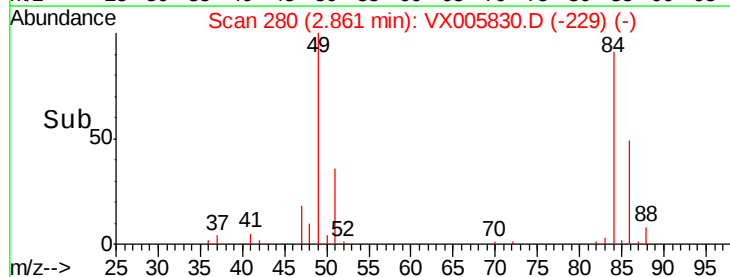
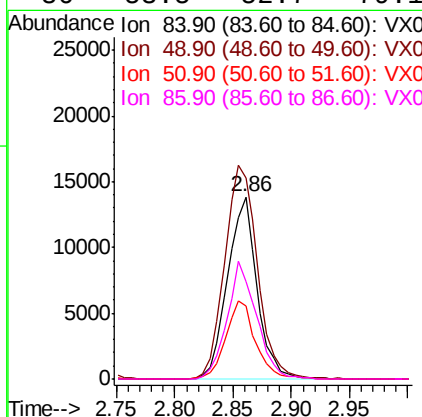
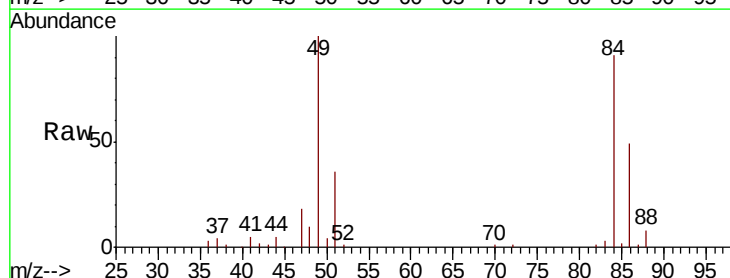
Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:47 AM



#20
Methylene Chloride
Concen: 19.447 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Tgt Ion: 84 Resp: 24353
Ion Ratio Lower Upper
84 100
49 110.4 109.5 164.3
51 40.3 33.3 49.9
86 53.5 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 20.134 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBS01

Tot Ion: 96 Resp: 23118

Ion Ratio Lower Upper

96 100

61 158.7 115.6 173.4

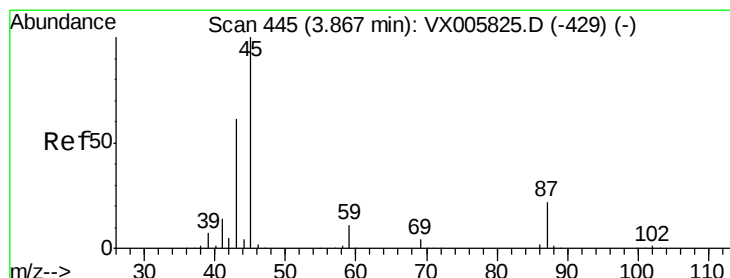
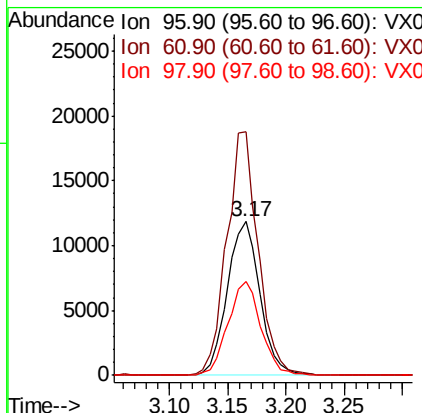
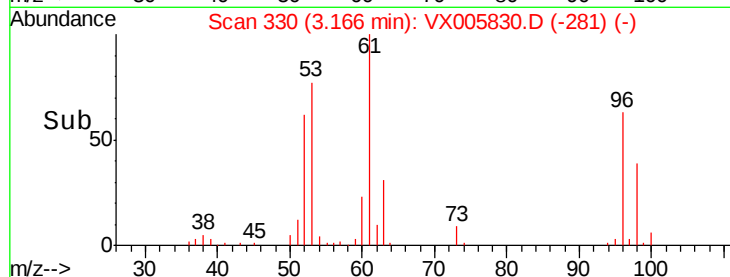
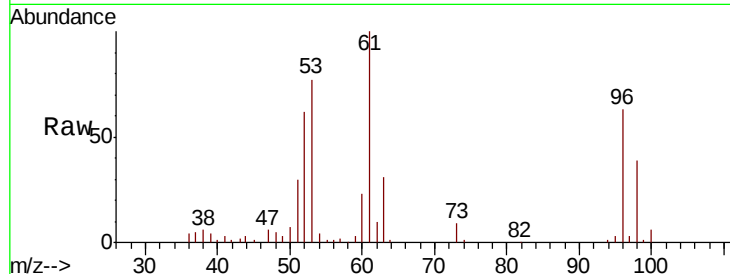
98 61.3 50.2 75.2

Manual Integrations

APPROVED

MMDadoda

11/8/2018 10:35:47 AM



#22

Diisopropyl ether

Concen: 19.146 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Tgt Ion: 45 Resp: 81547

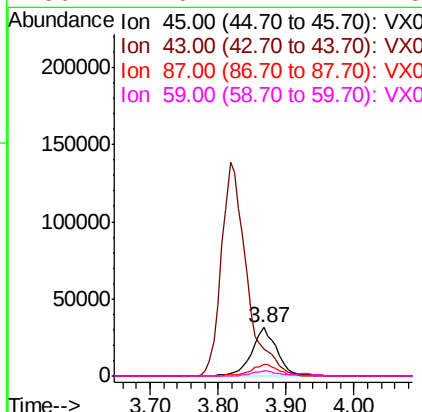
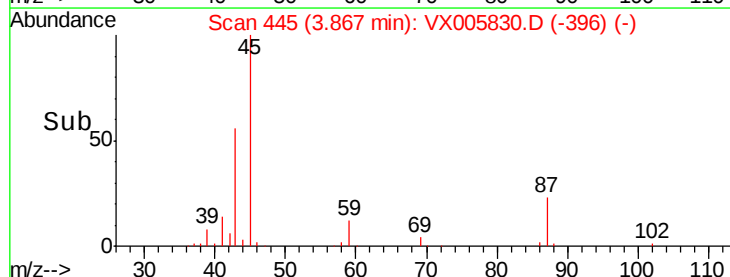
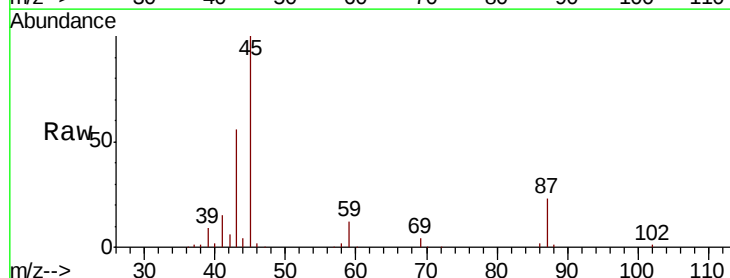
Ion Ratio Lower Upper

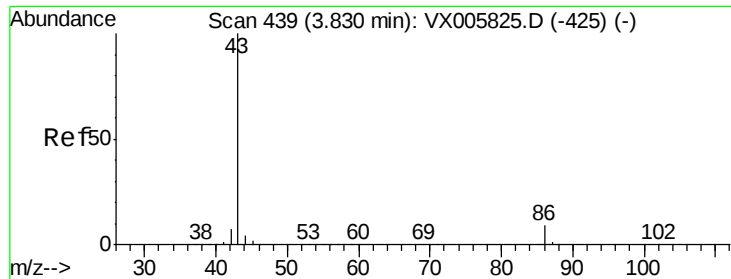
45 100

43 56.2 47.4 71.2

87 23.1 15.9 23.9

59 11.6 7.7 11.5#





#23

Vinyl Acetate

Concen: 98.487 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBS01

Tot Ion: 43 Resp: 359660

Ion Ratio Lower Upper

43 100

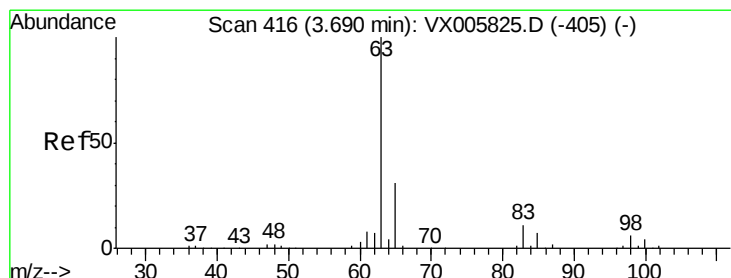
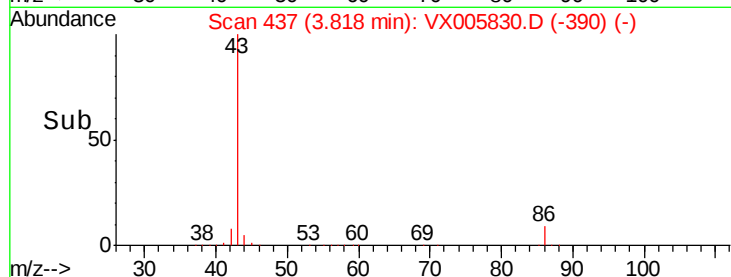
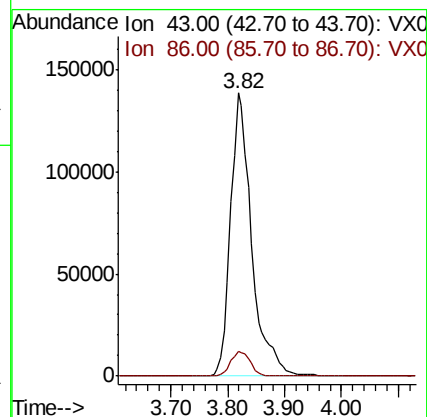
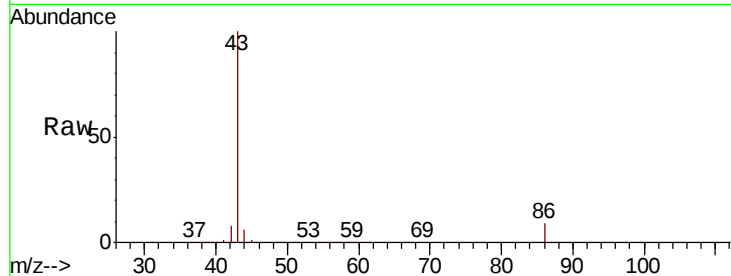
86 8.9 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

11/8/2018 10:35:47 AM



#24

1,1-Dichloroethane

Concen: 19.879 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

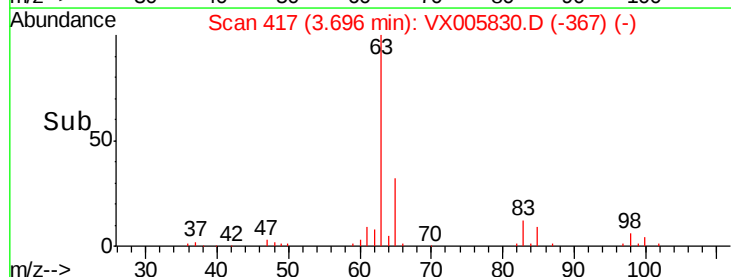
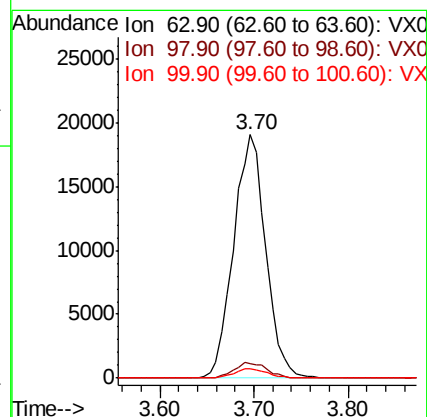
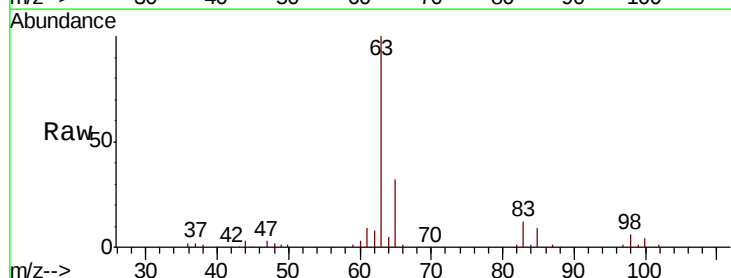
Tgt Ion: 63 Resp: 45171

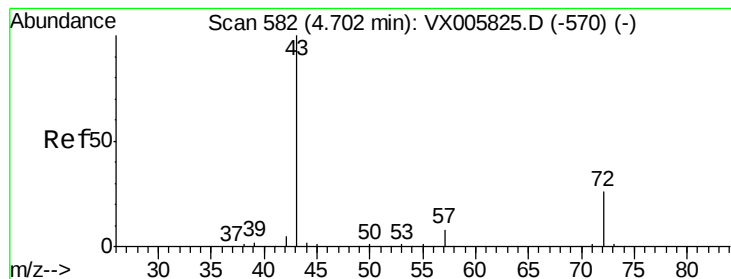
Ion Ratio Lower Upper

63 100

98 5.7 3.2 9.6

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 100.954 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBS01

Tot Ion: 43 Resp: 120999

Ion Ratio Lower Upper

43 100

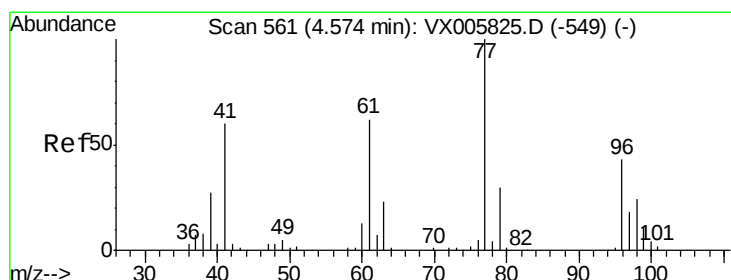
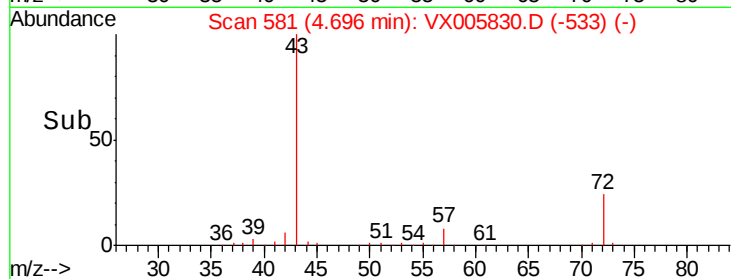
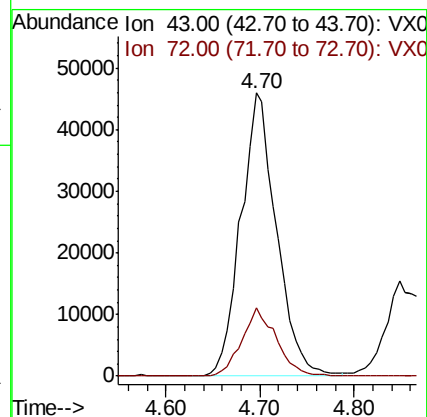
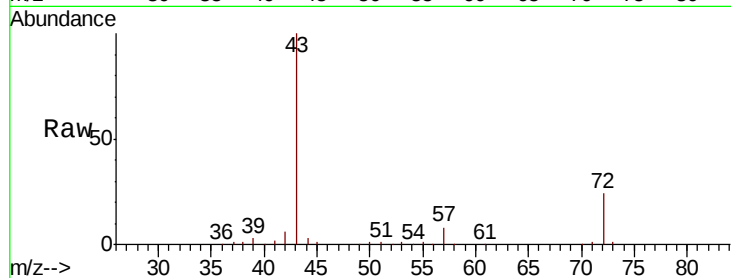
72 24.2 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

11/8/2018 10:35:47 AM



#26

2,2-Dichloropropane

Concen: 20.900 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005830.D

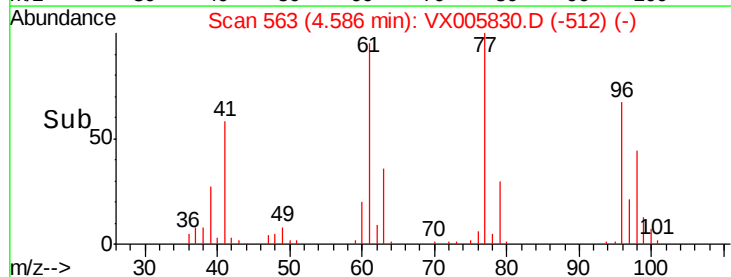
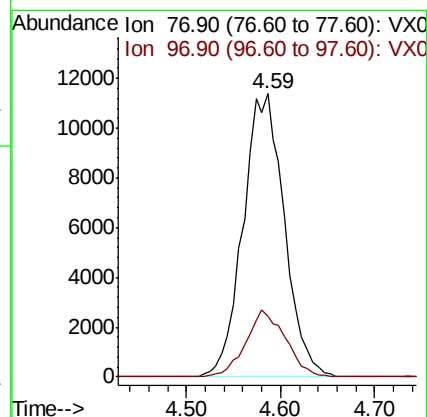
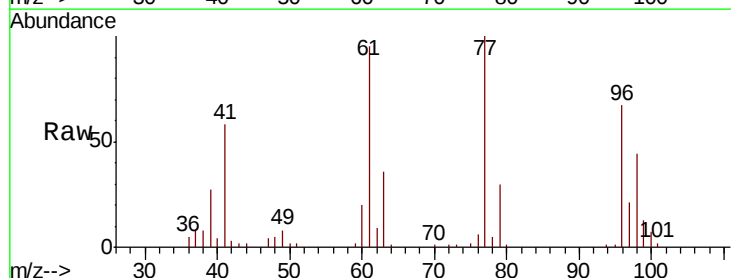
Acq: 07 Nov 2018 16:24

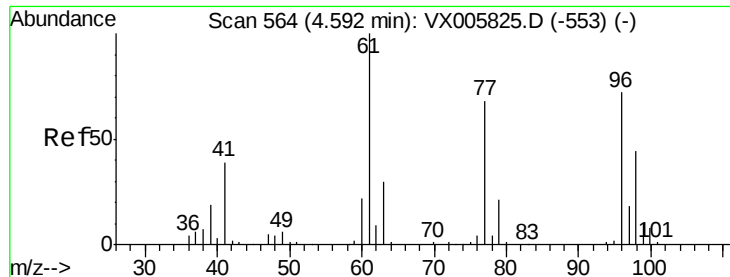
Tgt Ion: 77 Resp: 34838

Ion Ratio Lower Upper

77 100

97 22.6 11.5 34.5





#27

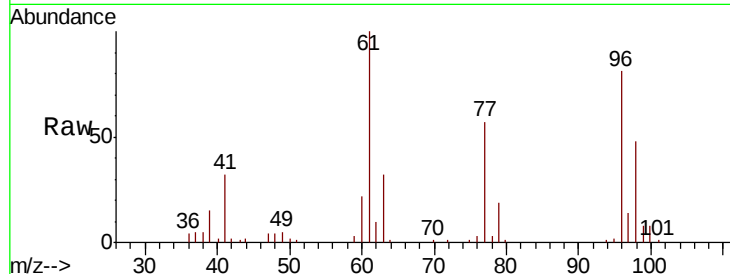
cis-1,2-Dichloroethene
Concen: 20.228 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBS01

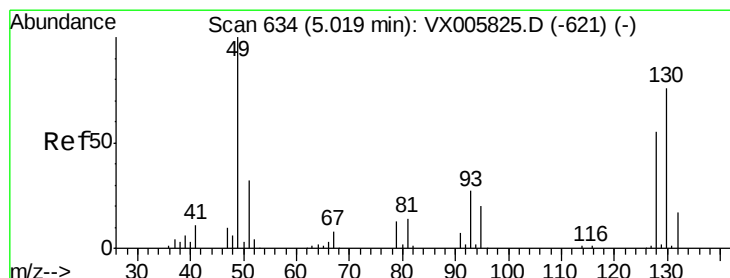
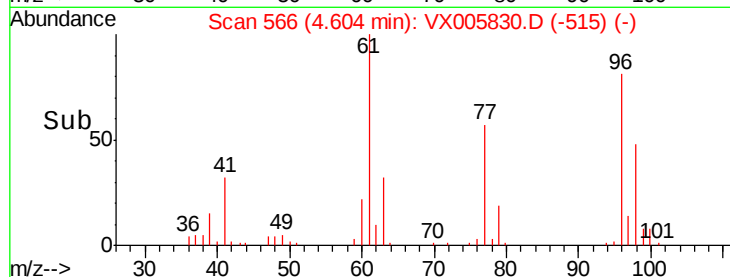
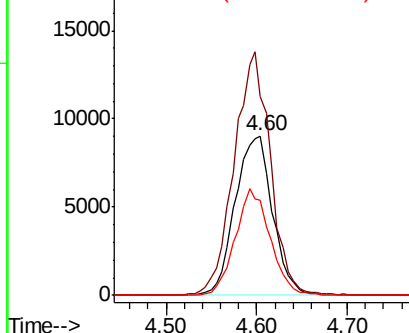
Tot Ion	Ratio	Resp	Lower	Upper
96	100	25646		
61	149.2		0.0	304.6
98	62.3		0.0	127.4

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:47 AM



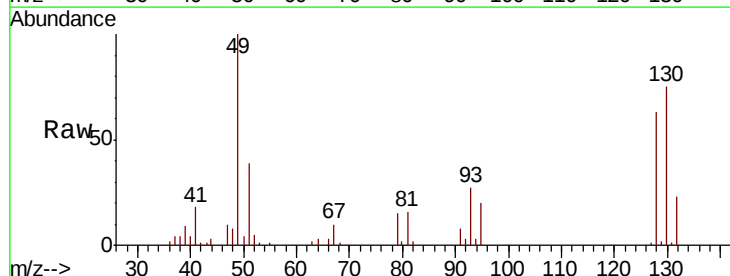
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



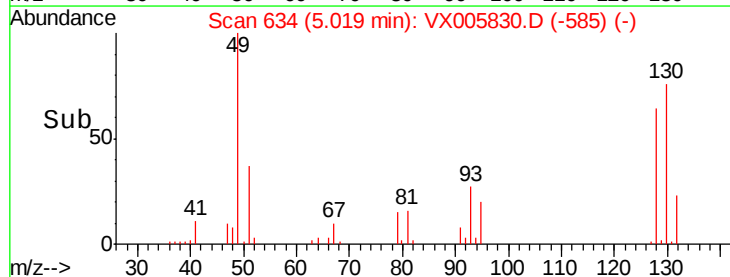
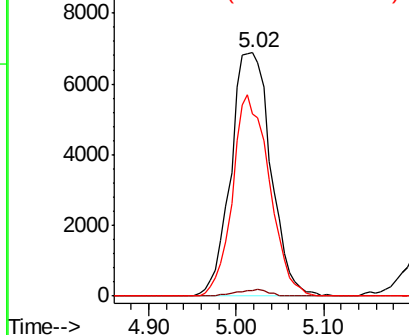
#28

Bromochloromethane
Concen: 21.580 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	21916		
129	2.1		0.0	4.0
130	76.1		58.9	88.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





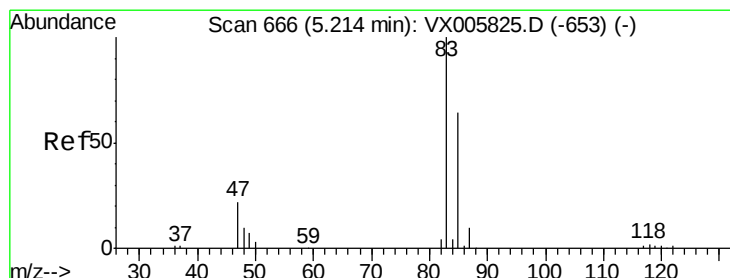
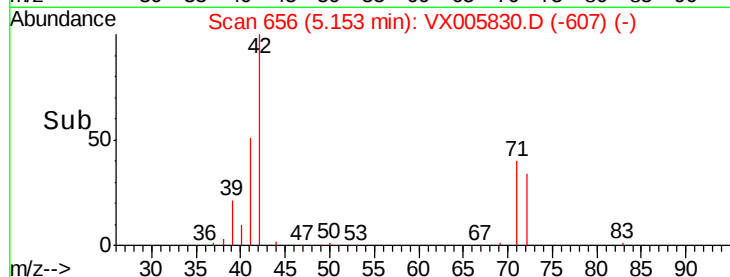
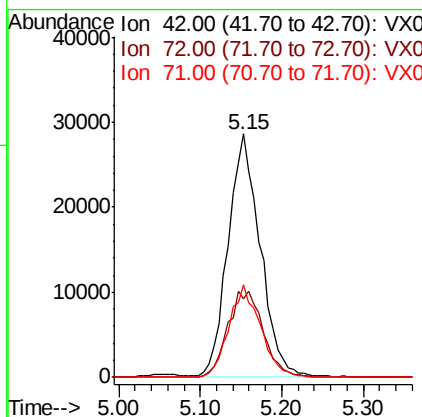
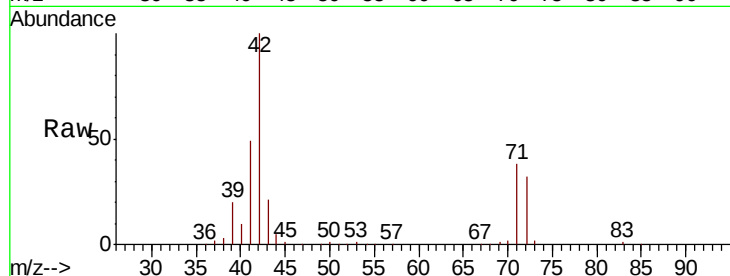
#29
Tetrahydrofuran
Concen: 100.939 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	32.0	48.0
71	37.5	29.8	44.8

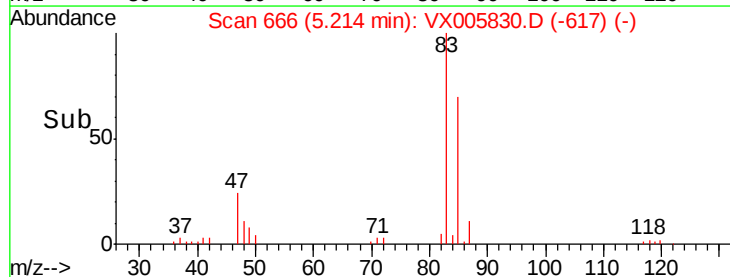
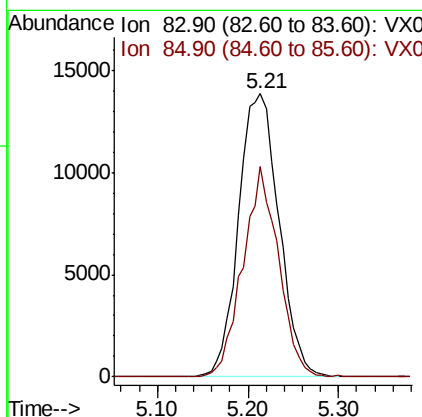
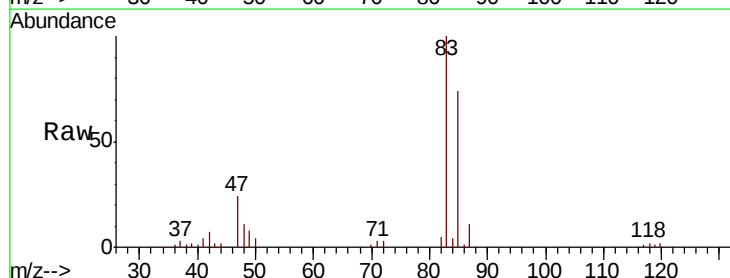
Manual Integrations
APPROVED

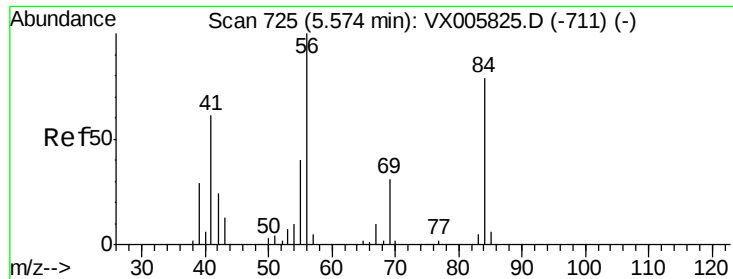
MMDadoda
11/8/2018 10:35:47 AM



#30
Chloroform
Concen: 19.451 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	74.5	50.6	76.0





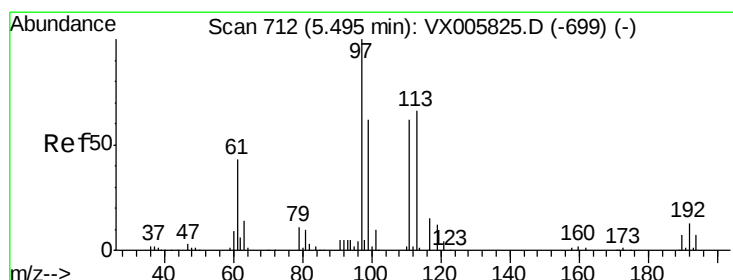
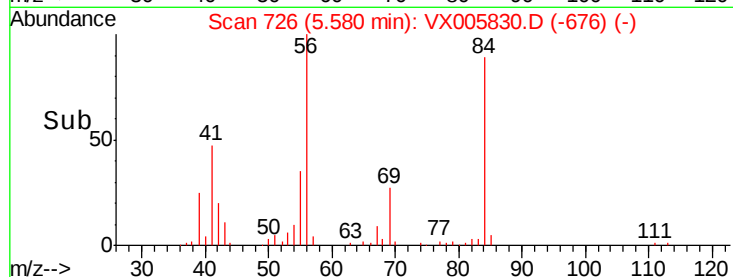
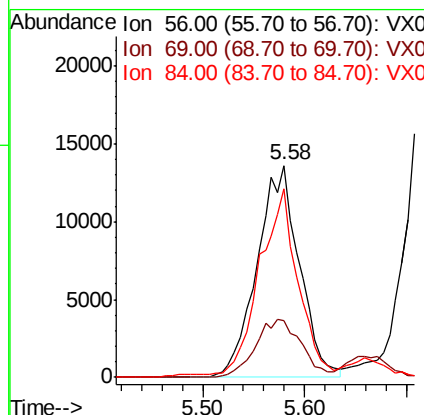
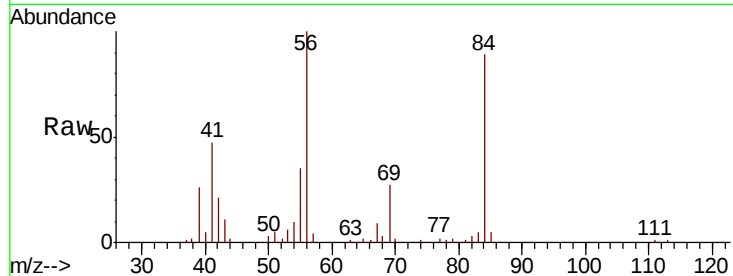
#31
Cyclohexane
Concen: 19.826 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.8	22.6	34.0
84	87.7	62.7	94.1

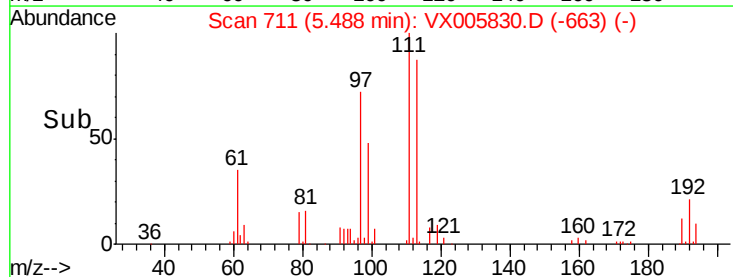
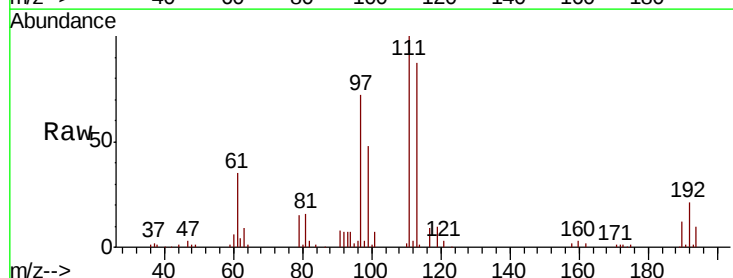
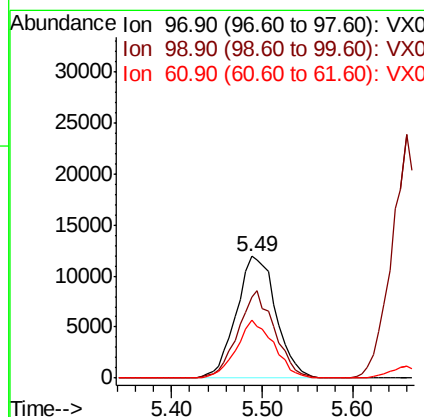
Manual Integrations
APPROVED

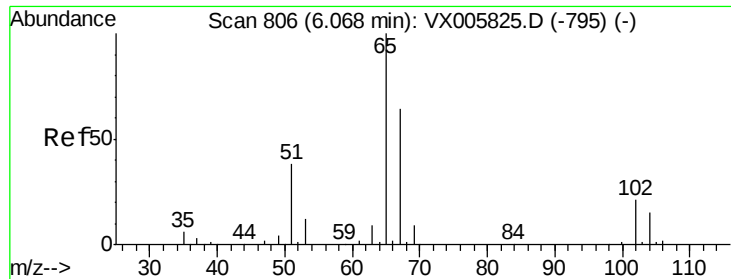
MMDadoda
11/8/2018 10:35:47 AM



#32
1,1,1-Trichloroethane
Concen: 19.822 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	52.3	78.5
61	45.0	35.2	52.8





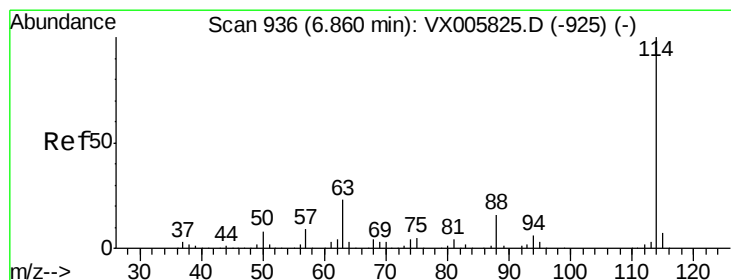
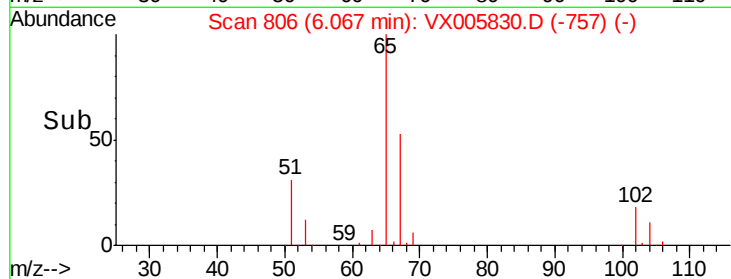
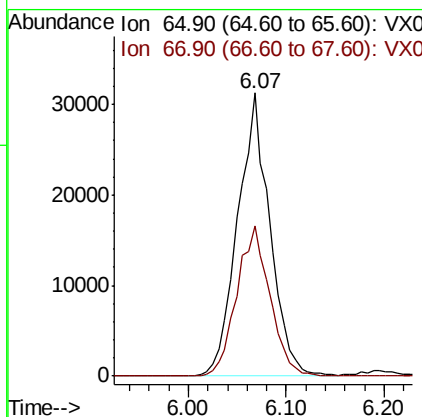
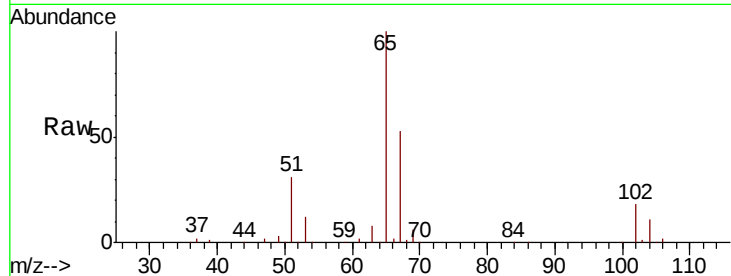
#33
 1,2-Dichloroethane-d4
 Concen: 50.520 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005830.D
 Acq: 07 Nov 2018 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	105.0

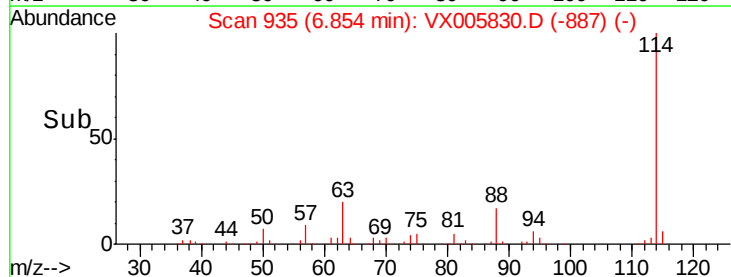
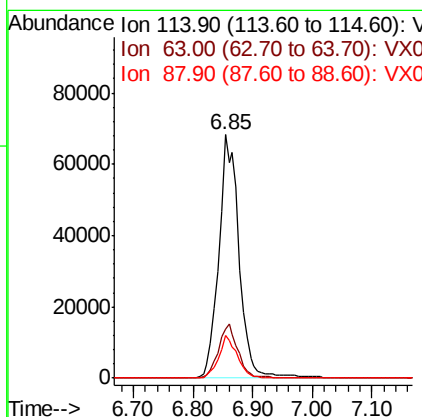
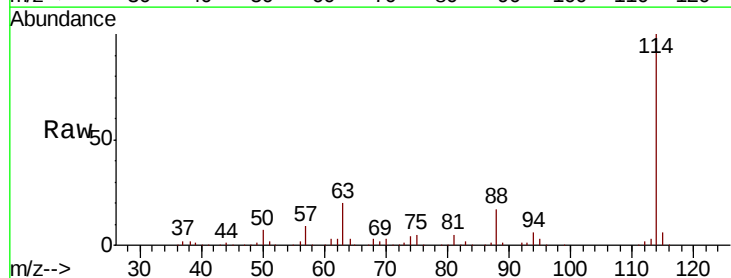
Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 10:35:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005830.D
 Acq: 07 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	42.8
88	17.5	0.0	31.2





#35

Dibromofluoromethane

Concen: 50.857 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

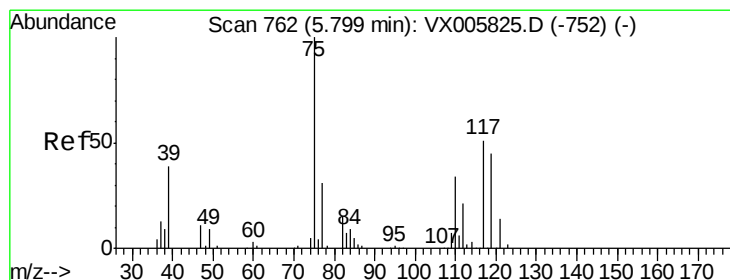
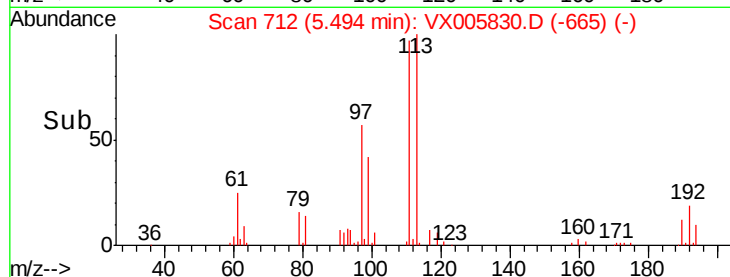
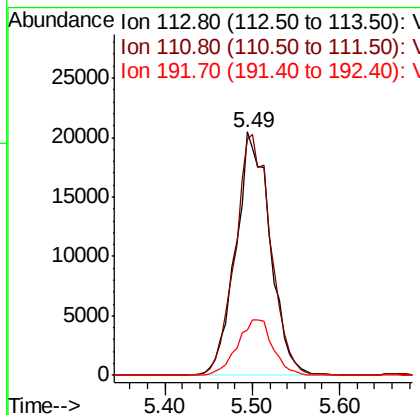
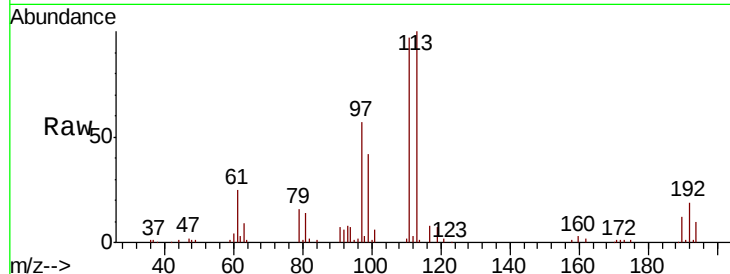
ClientSampleId :

VX1107WBS01

Tot Ion:	113	Resp:	55911
Ion Ratio	Lower	Upper	
113	100		
111	102.1	82.3	123.5
192	23.5	17.9	26.9

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:47 AM



#36

1,1-Dichloropropene

Concen: 21.377 ug/l

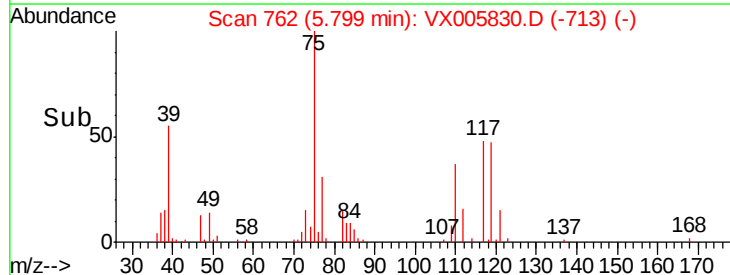
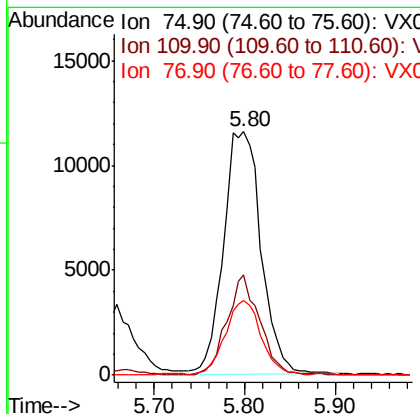
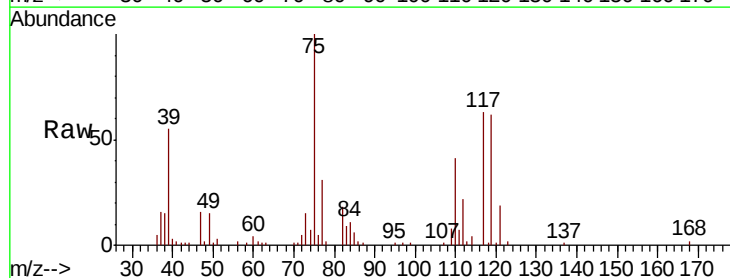
RT: 5.80 min Scan# 762

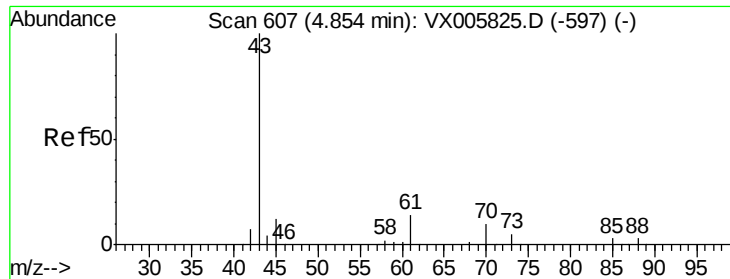
Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Tgt Ion:	75	Resp:	33310
Ion Ratio	Lower	Upper	
75	100		
110	36.0	17.4	52.2
77	29.4	25.8	38.6





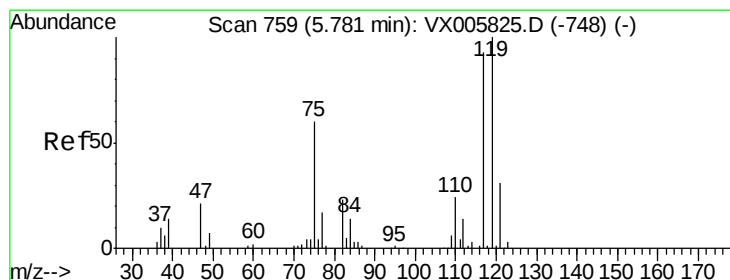
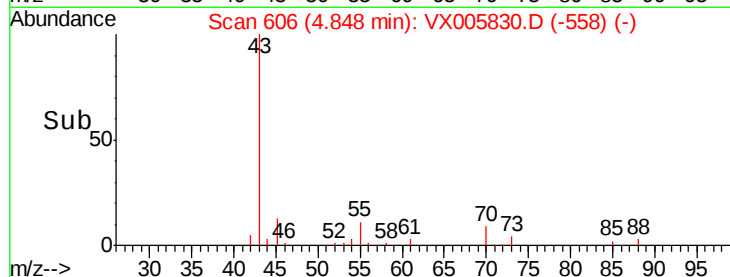
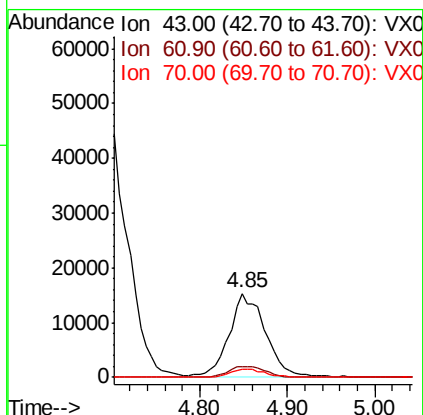
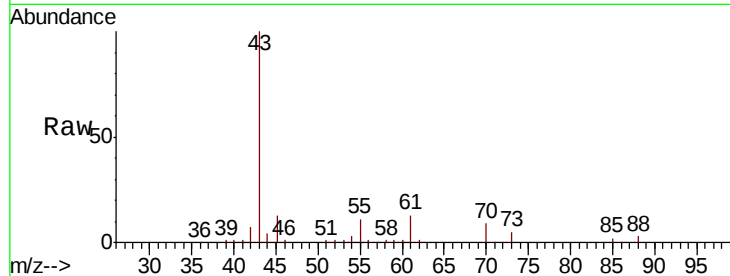
#37
Ethyl Acetate
Concen: 21.158 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.8	16.2
70	9.6	7.8	11.8

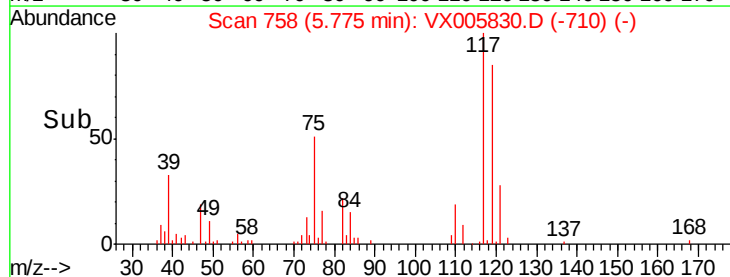
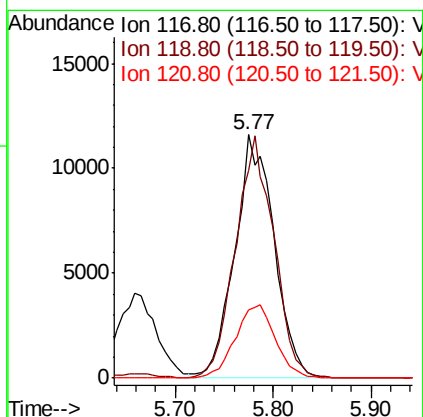
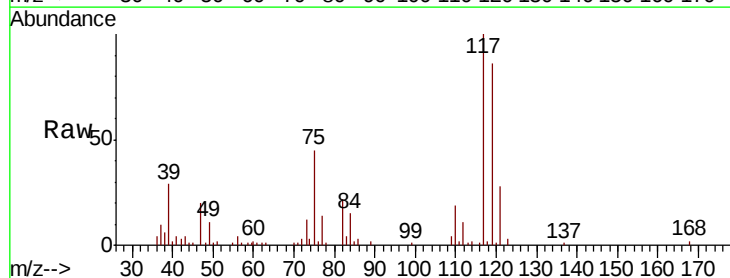
Manual Integrations
APPROVED

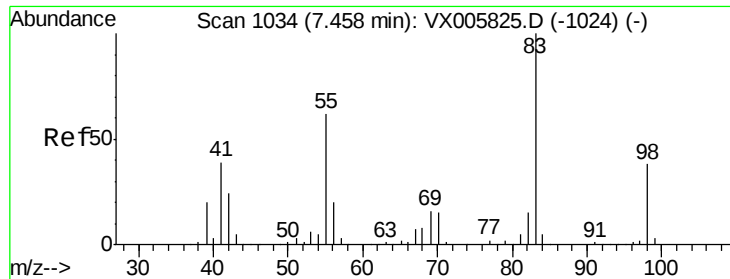
MMDadoda
11/8/2018 10:35:47 AM



#38
Carbon Tetrachloride
Concen: 20.740 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	85.6	78.1	117.1
121	28.0	24.6	36.8





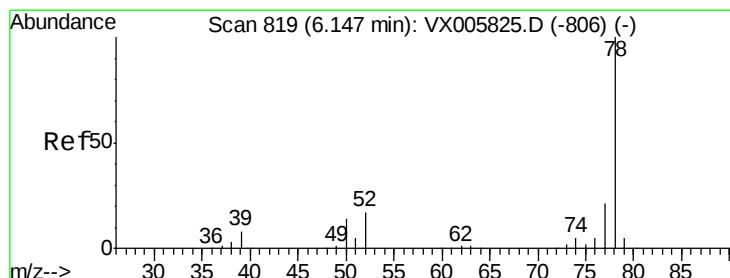
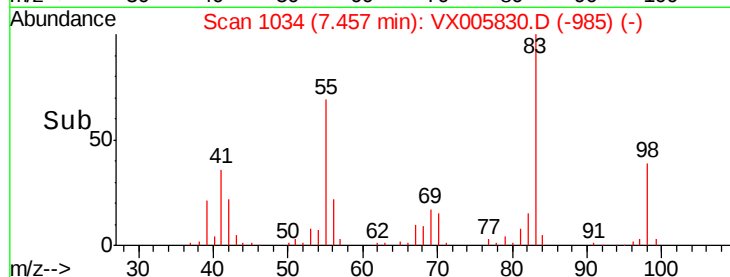
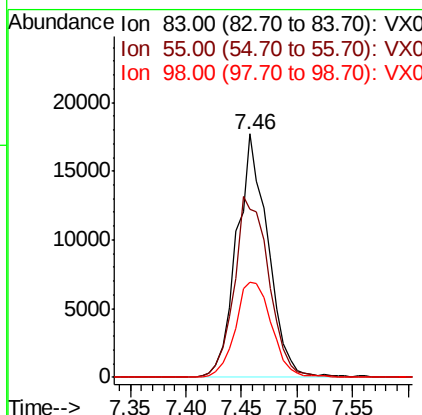
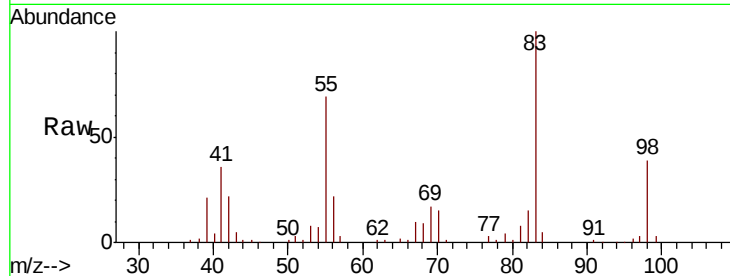
#39
Methvlcvclohexane
Concen: 21.832 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.2	63.7	95.5
98	39.1	36.2	54.2

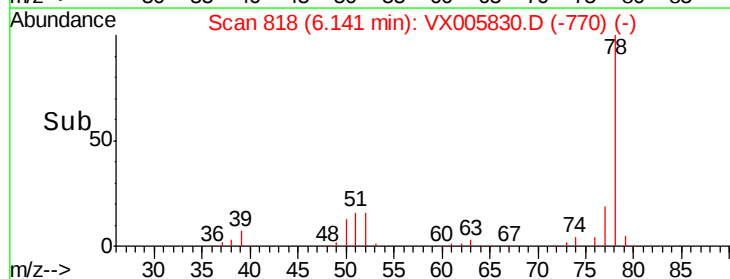
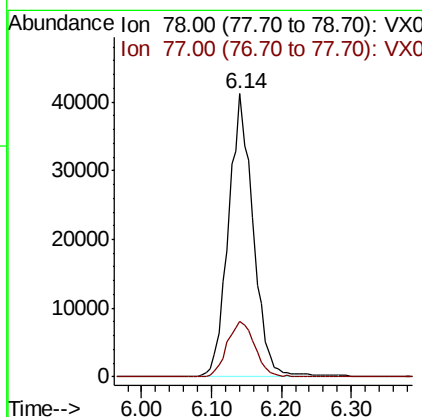
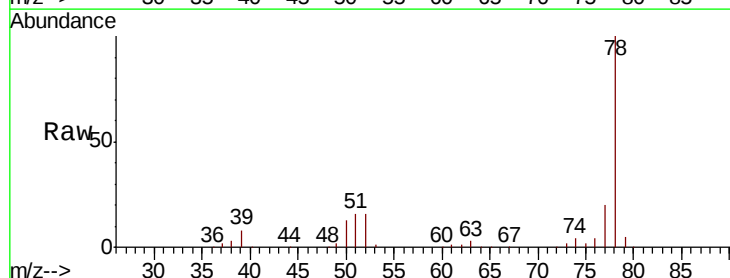
Manual Integrations
APPROVED

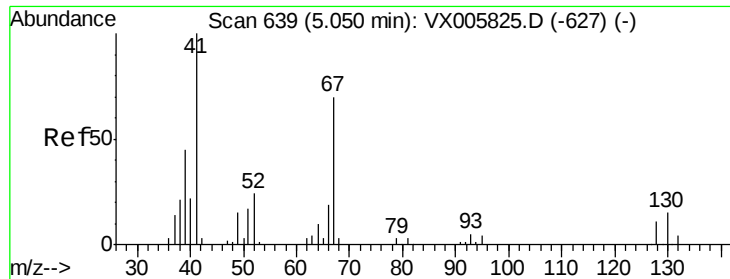
MMDadoda
11/8/2018 10:35:47 AM



#40
Benzene
Concen: 22.286 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.8	18.4	27.6





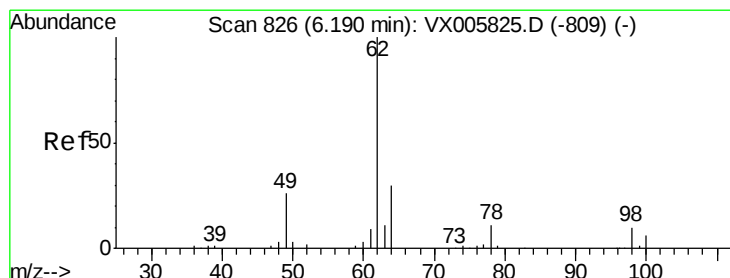
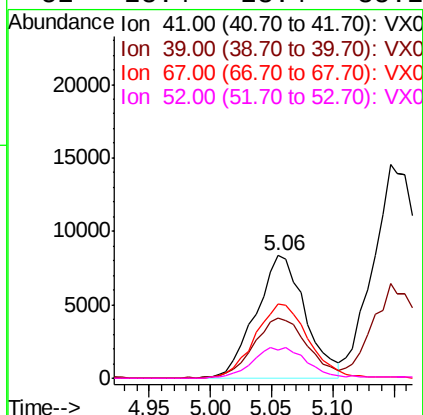
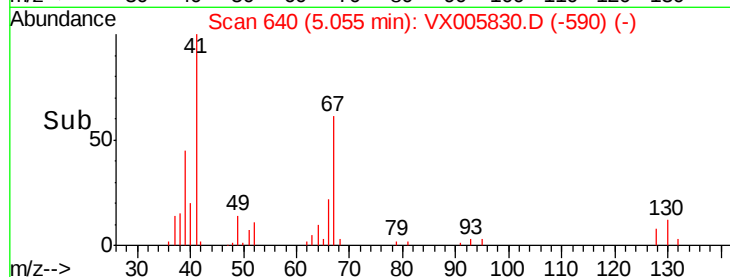
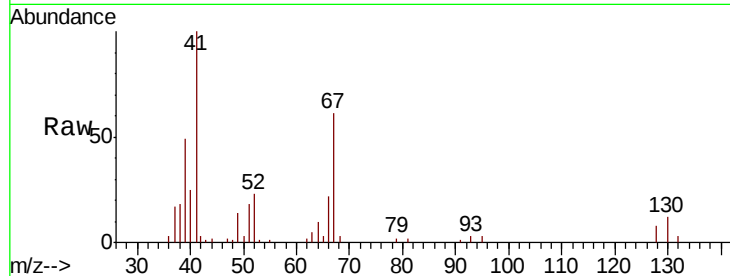
#41
Methacrylonitrile
Concen: 21.268 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.2	42.2	63.2	
67	65.7	53.4	80.0	
52	28.4	23.4	35.2	

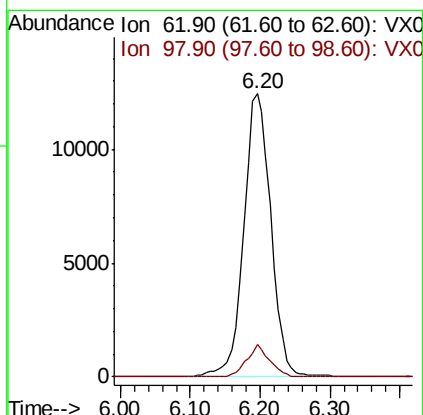
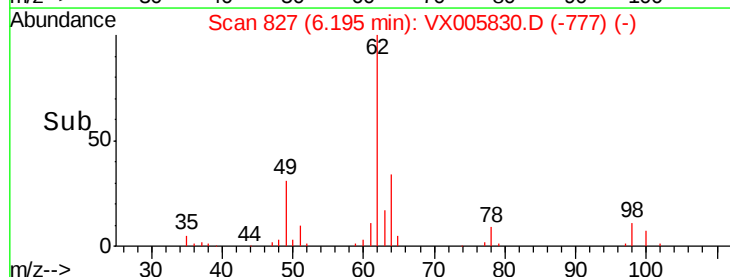
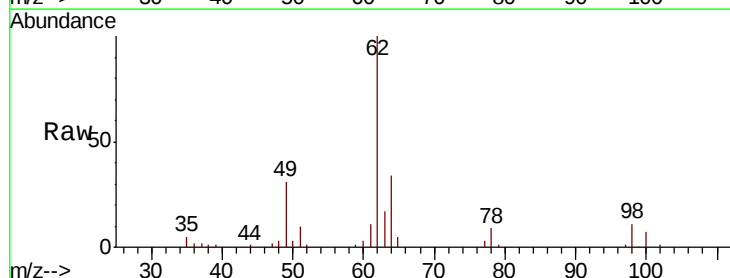
Manual Integrations
APPROVED

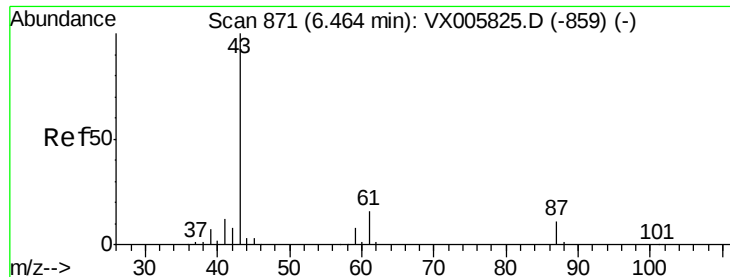
MMDadoda
11/8/2018 10:35:47 AM



#42
1,2-Dichloroethane
Concen: 20.491 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	17.8	





#43

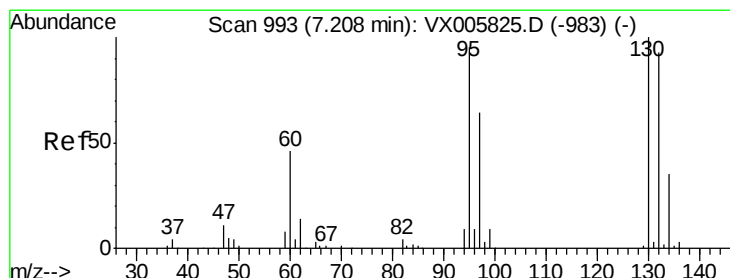
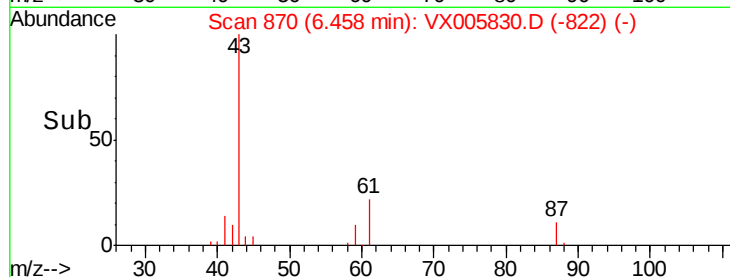
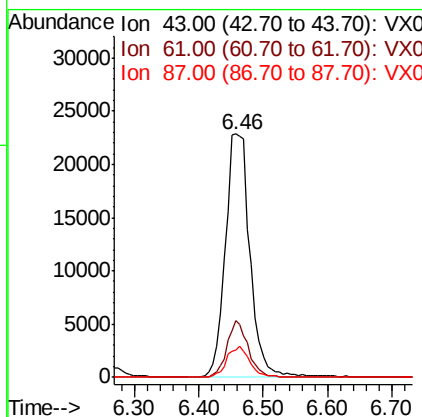
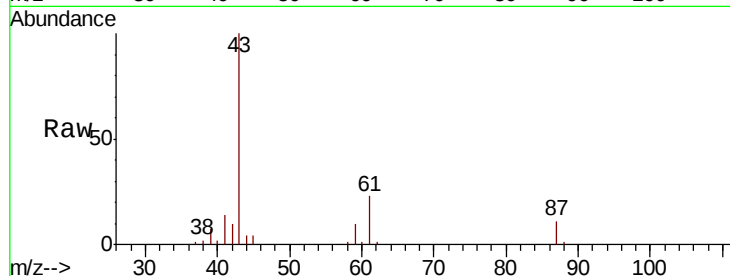
Isopropyl Acetate
 Concen: 20.891 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX005830.D
 Acq: 07 Nov 2018 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	14.6	22.0
87	11.8	9.6	14.4

Manual Integrations
 APPROVED

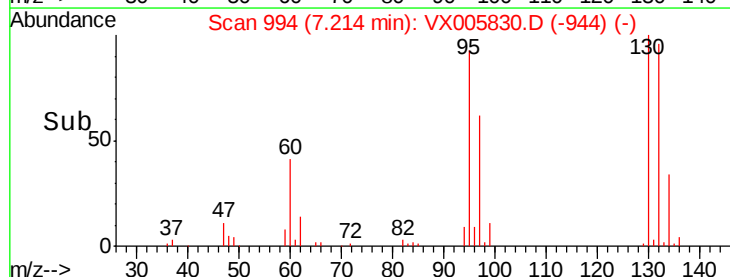
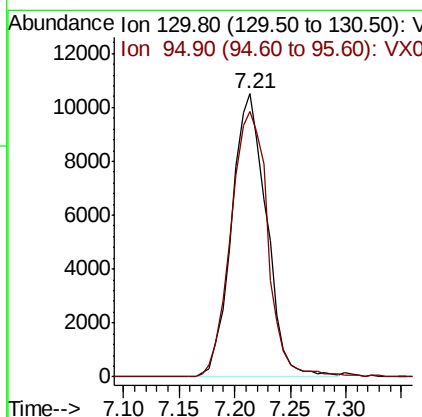
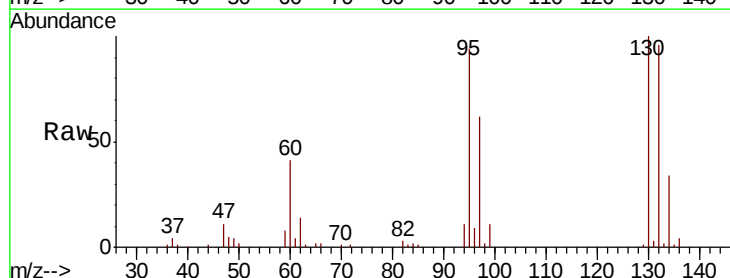
MMDadoda
 11/8/2018 10:35:47 AM

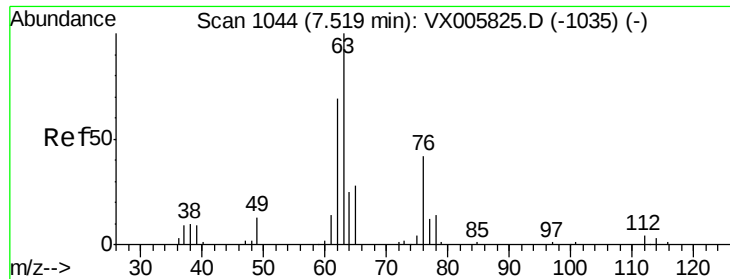


#44

Trichloroethene
 Concen: 19.867 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005830.D
 Acq: 07 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	194.2





#45

1,2-Dichloropropane

Concen: 20.930 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

ClientSampled :

VX1107WBS01

Tot Ion: 63 Resp: 23076

Ion Ratio Lower Upper

63 100

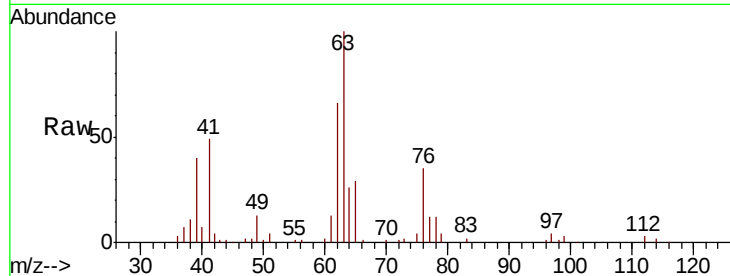
65 29.2 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

11/8/2018 10:35:47 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

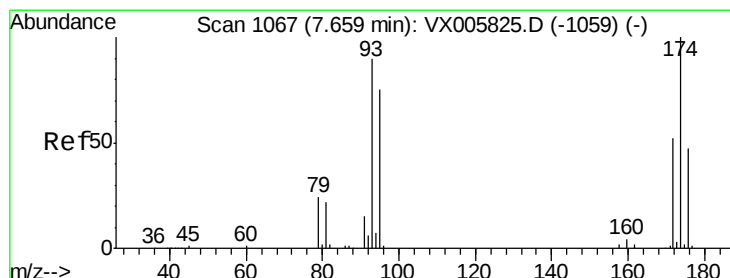
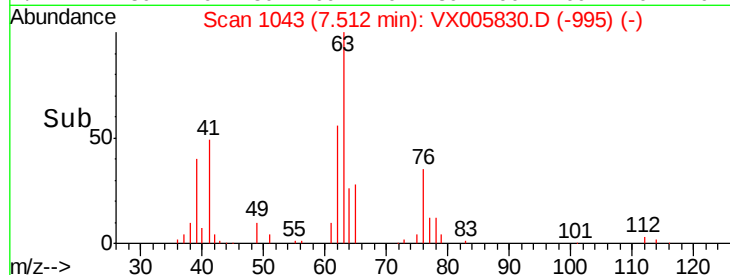
7.51

10000

5000

0

Time-->



#46

Dibromomethane

Concen: 21.965 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

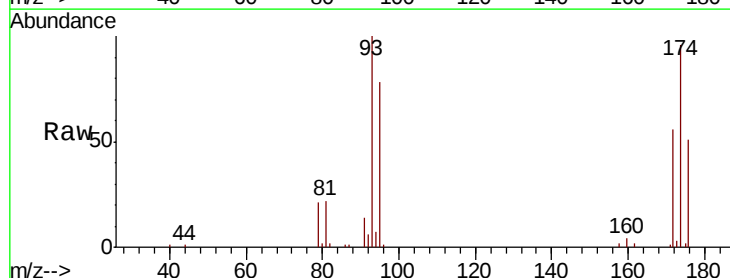
Tgt Ion: 93 Resp: 15197

Ion Ratio Lower Upper

93 100

95 81.6 67.4 101.0

174 115.0 91.5 137.3



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.66

12000

10000

8000

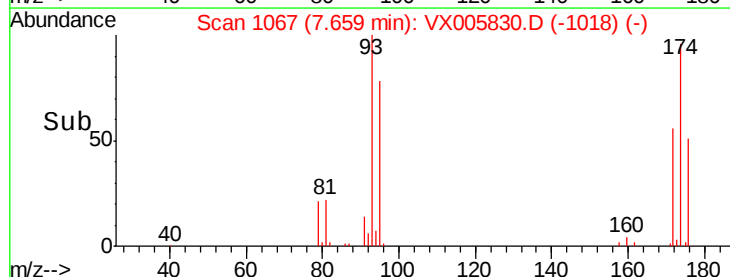
6000

4000

2000

0

Time-->





#47

Bromodichloromethane

Concen: 21.140 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

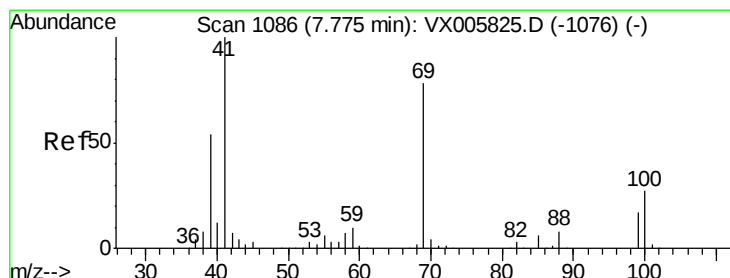
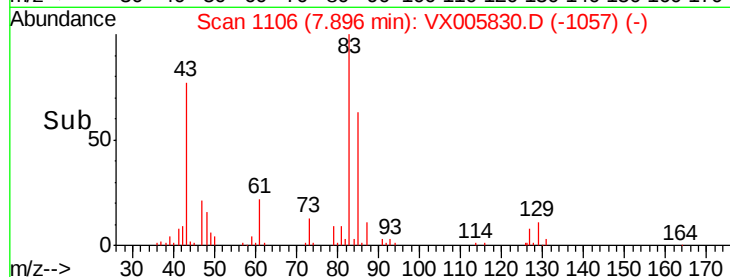
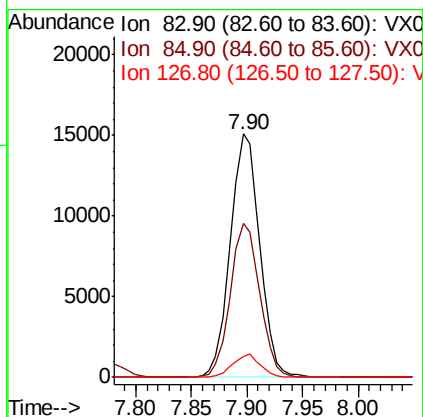
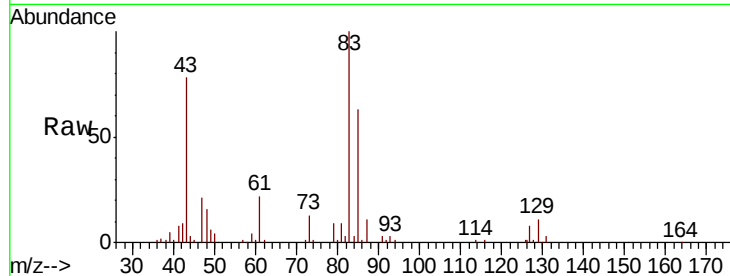
ClientSampleId :

VX1107WBS01

Tot Ion:	83	Resp:	27641
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.2	75.4
127	8.5	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:47 AM



#48

Methyl methacrylate

Concen: 20.897 ug/l

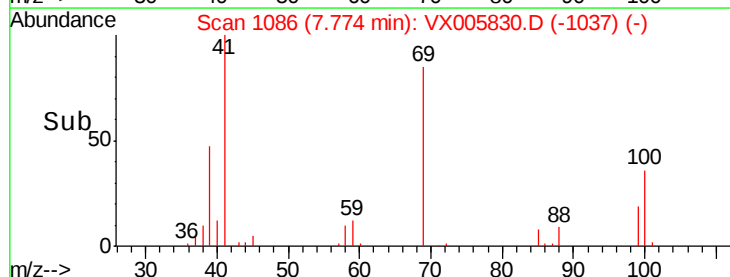
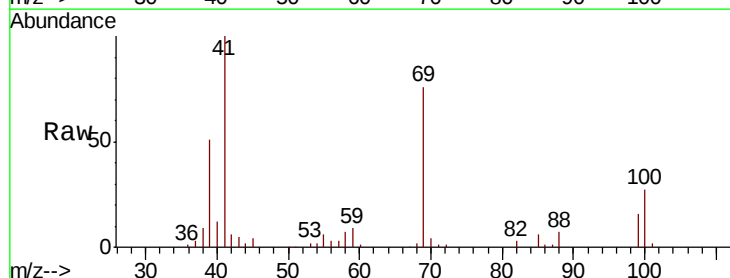
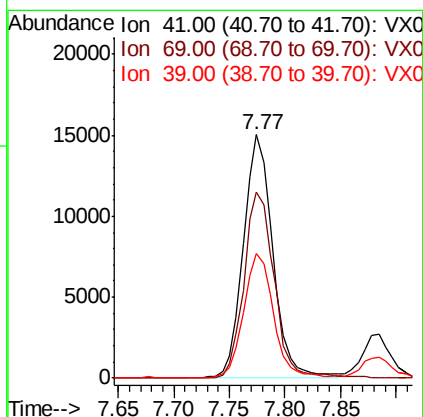
RT: 7.77 min Scan# 1086

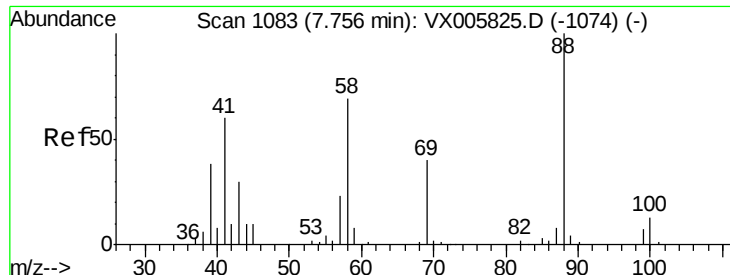
Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Tgt Ion:	41	Resp:	27860
Ion	Ratio	Lower	Upper
41	100		
69	78.2	63.2	94.8
39	52.0	42.2	63.2





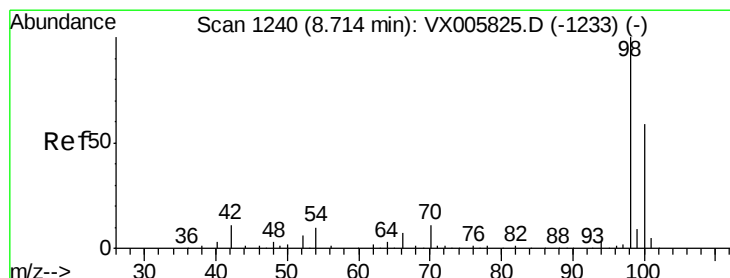
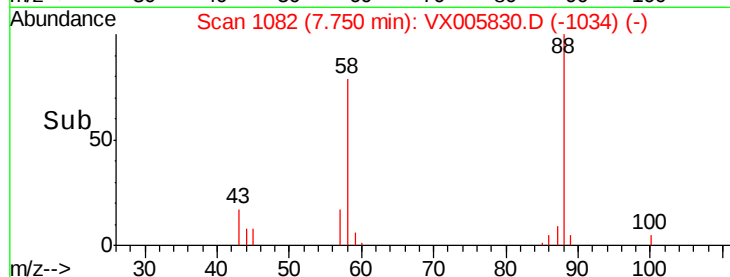
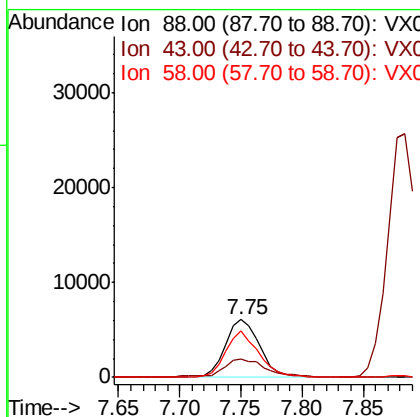
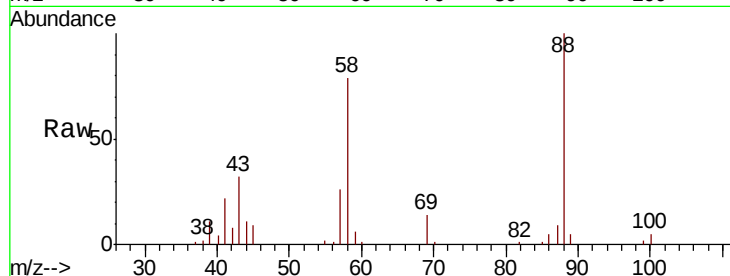
#49
1,4-Dioxane
Concen: 409.767 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.7	27.4	41.0#
58	77.7	59.4	89.2

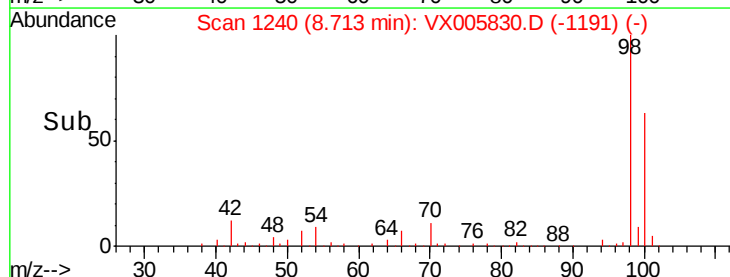
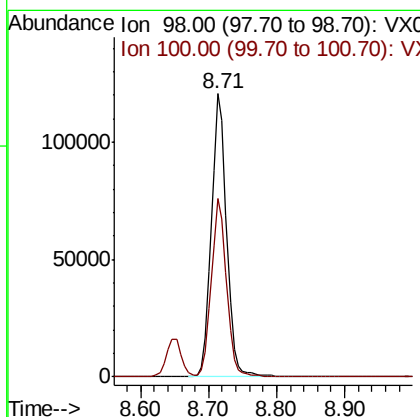
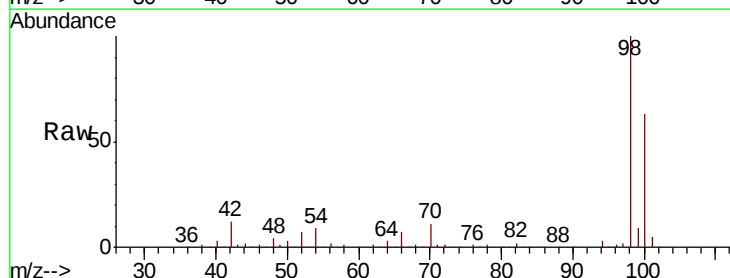
Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:47 AM



#50
Toluene-d8
Concen: 51.569 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 100.964 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

ClientSampled :

VX1107WBS01

Tot Ion: 43 Resp: 188930

Ion Ratio Lower Upper

43 100

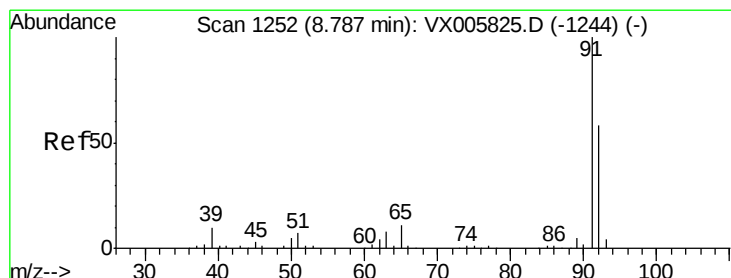
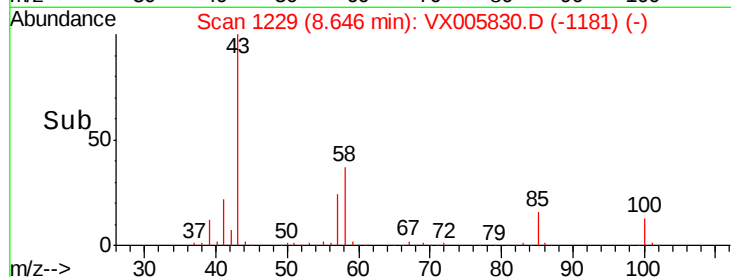
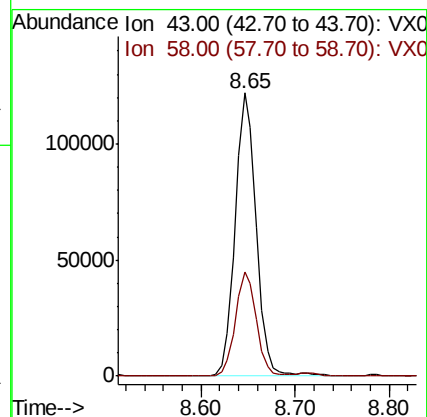
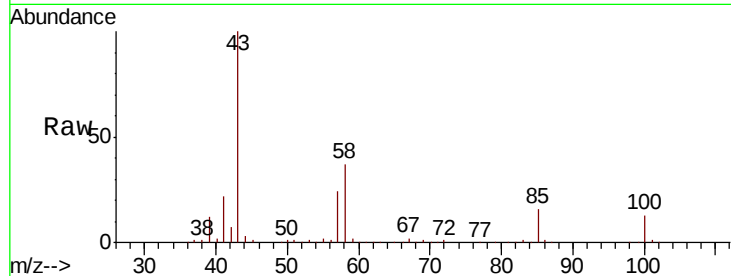
58 36.5 29.7 44.5

Manual Integrations

APPROVED

MMDadoda

11/8/2018 10:35:47 AM



#52

Toluene

Concen: 20.296 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX005830.D

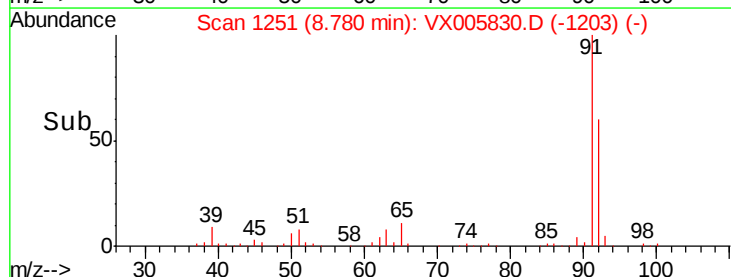
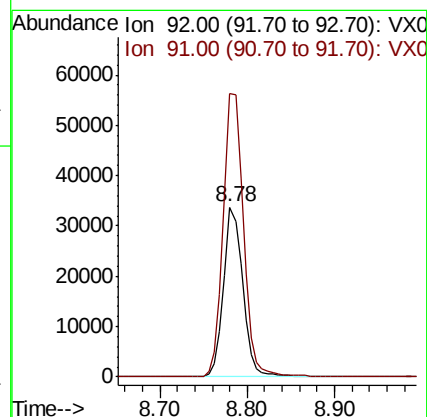
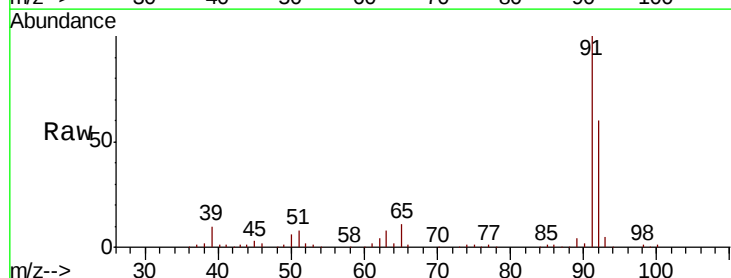
Acq: 07 Nov 2018 16:24

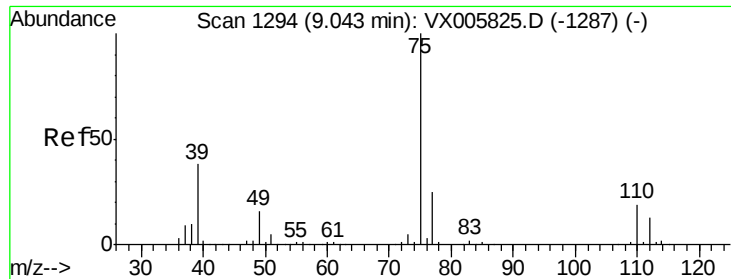
Tgt Ion: 92 Resp: 51528

Ion Ratio Lower Upper

92 100

91 176.5 140.4 210.6





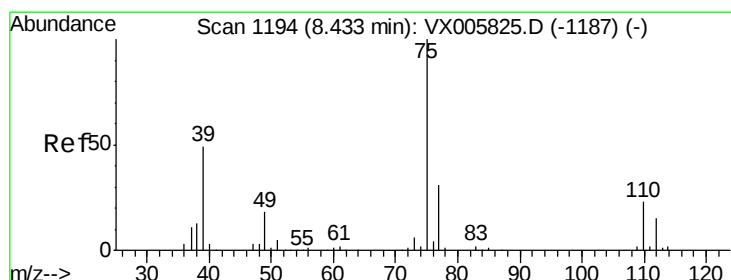
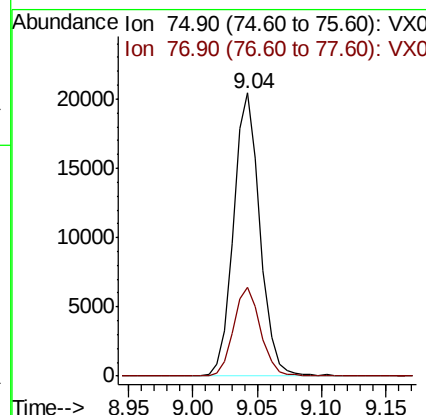
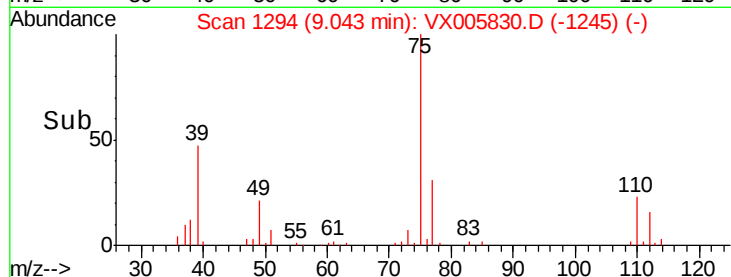
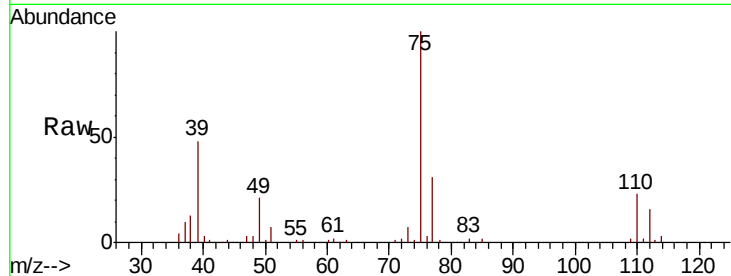
#53
 t-1,3-Dichloropropene
 Concen: 19.033 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005830.D
 Acq: 07 Nov 2018 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2

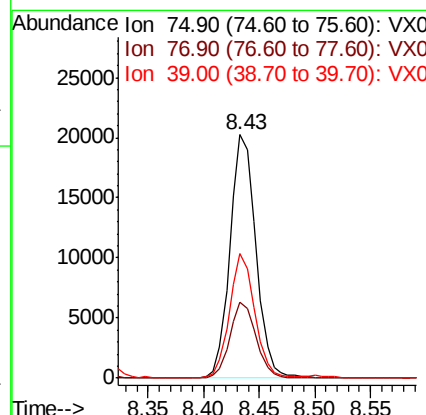
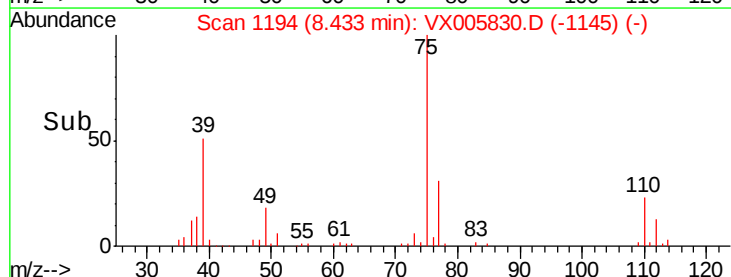
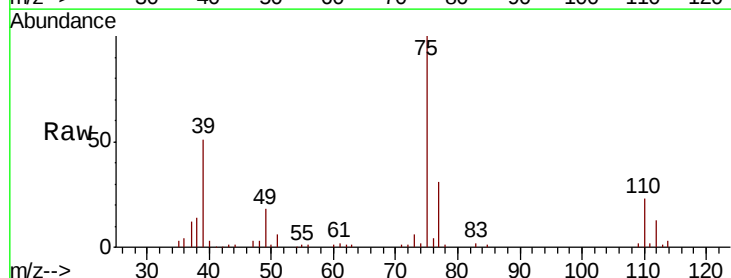
Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 10:35:47 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.827 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX005830.D
 Acq: 07 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.2	37.8
39	50.8	38.2	57.2





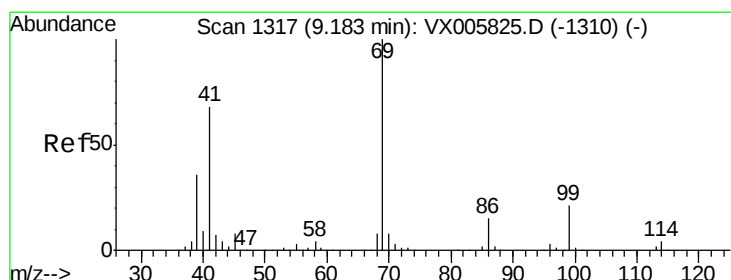
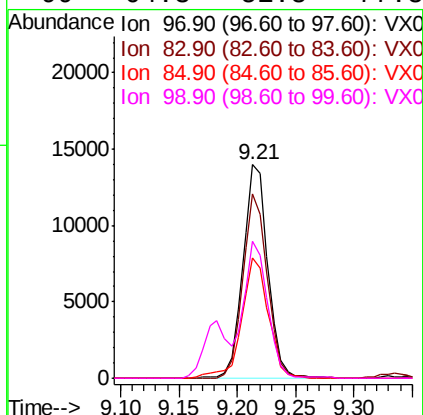
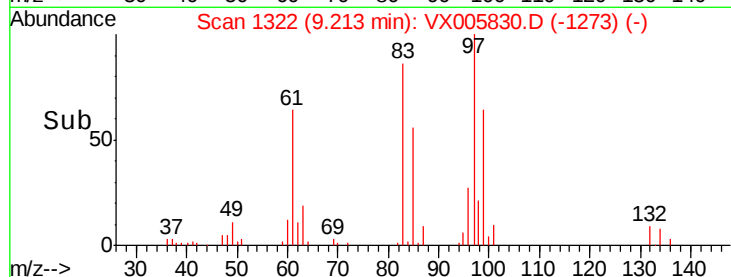
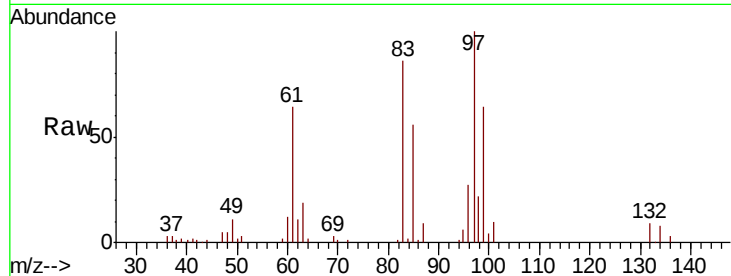
#55
 1,1,2-Trichloroethane
 Concen: 18.511 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005830.D
 Acq: 07 Nov 2018 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBS01

Tot Ion:	97	Resp:	20945
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.7	106.1
85	56.2	45.8	68.6
99	64.3	51.8	77.8

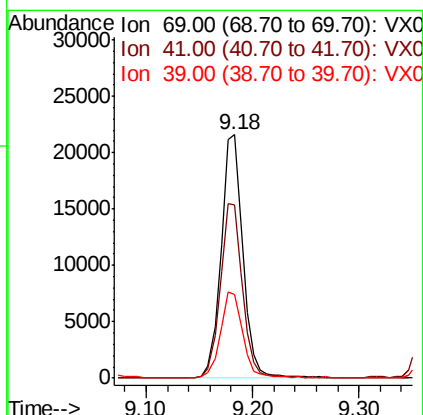
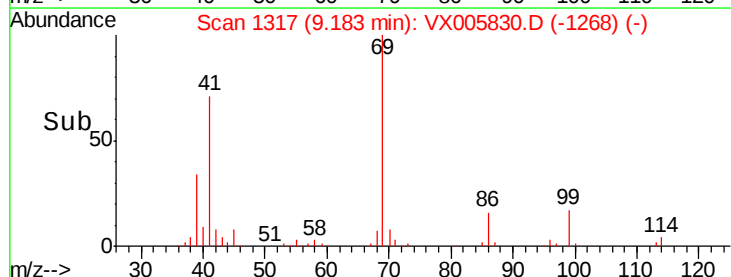
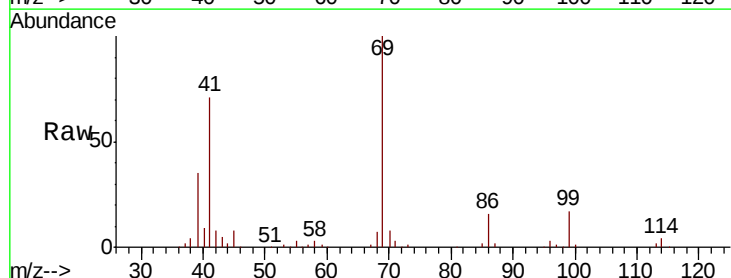
Manual Integrations
 APPROVED

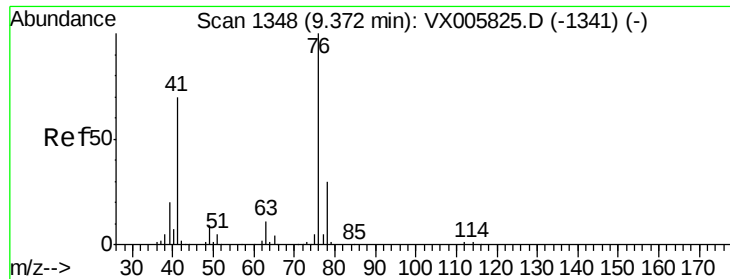
MMDadoda
 11/8/2018 10:35:47 AM



#56
 Ethyl methacrylate
 Concen: 18.243 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005830.D
 Acq: 07 Nov 2018 16:24

Tgt Ion:	69	Resp:	30884
Ion	Ratio	Lower	Upper
69	100		
41	72.9	57.0	85.6
39	36.7	28.3	42.5





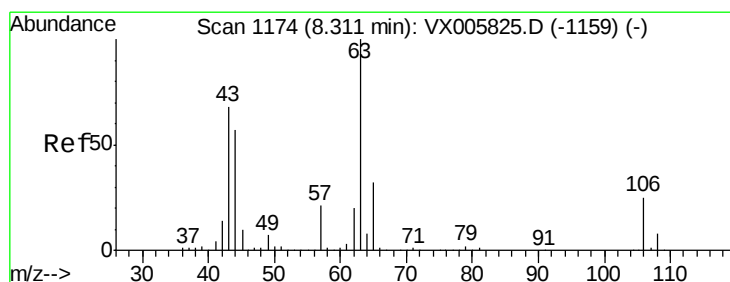
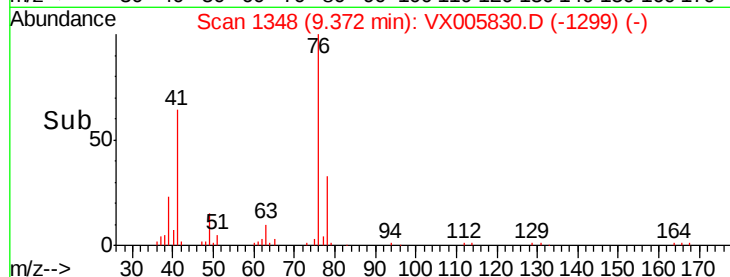
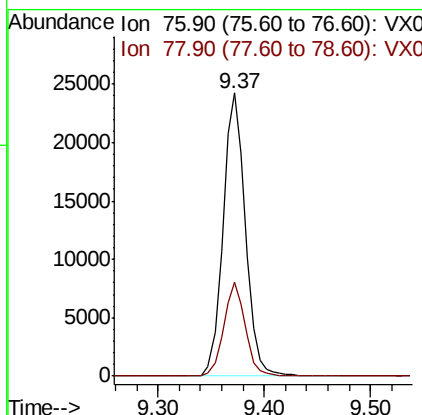
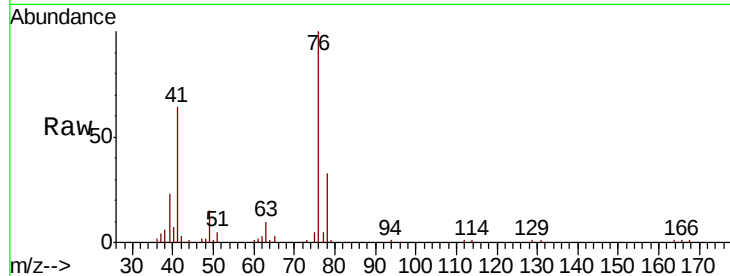
#57
 1,3-Dichloropropane
 Concen: 18.620 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005830.D
 Acq: 07 Nov 2018 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBS01

Tot Ion: 76 Resp: 35404
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.3 37.9

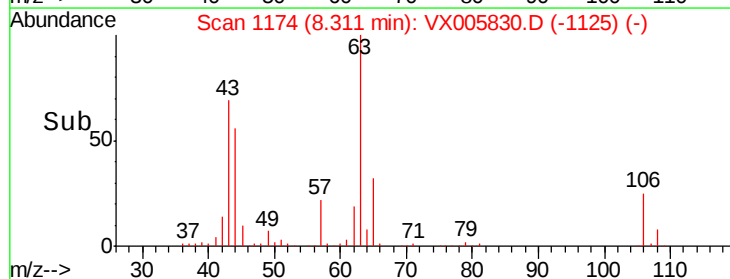
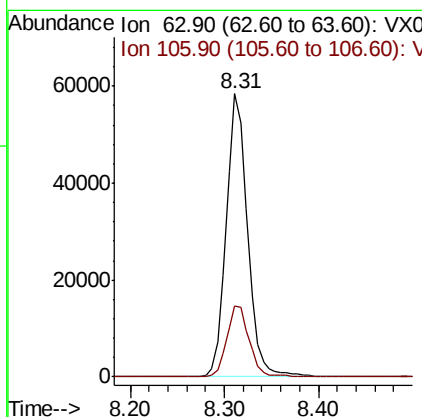
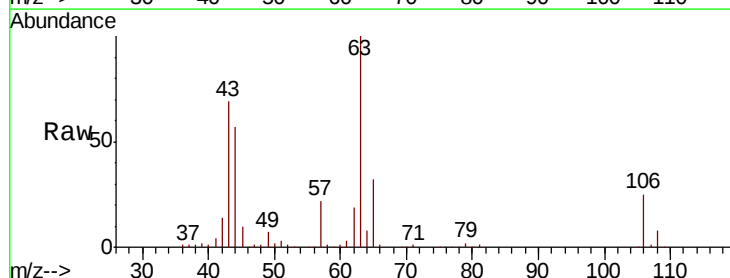
Manual Integrations
 APPROVED

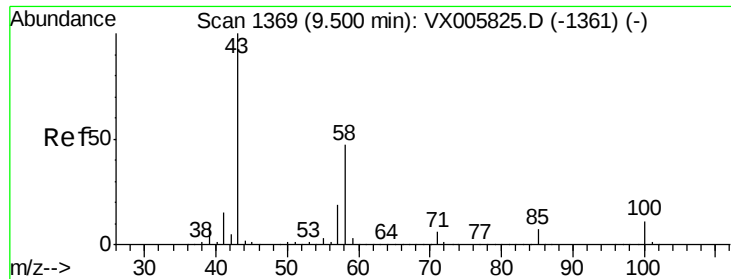
MMDadoda
 11/8/2018 10:35:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.800 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX005830.D
 Acq: 07 Nov 2018 16:24

Tgt Ion: 63 Resp: 92091
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.3 31.9





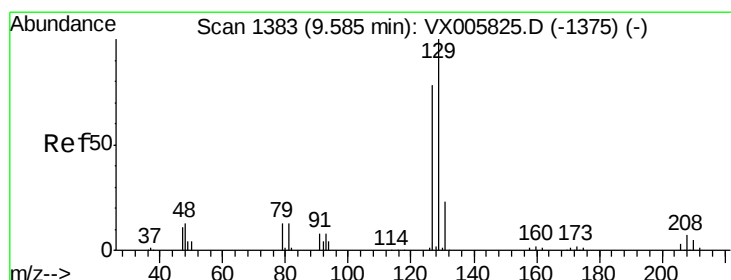
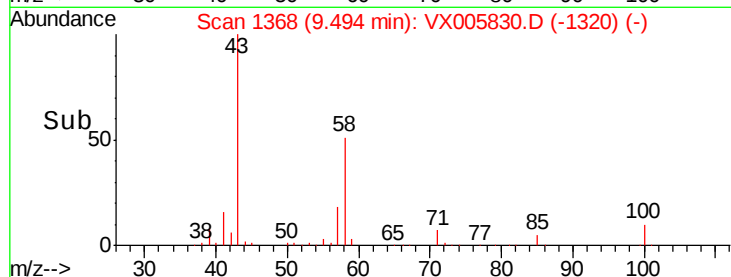
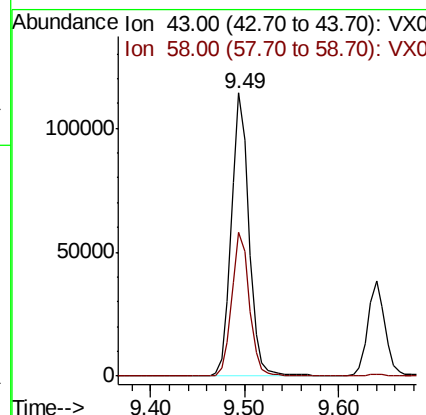
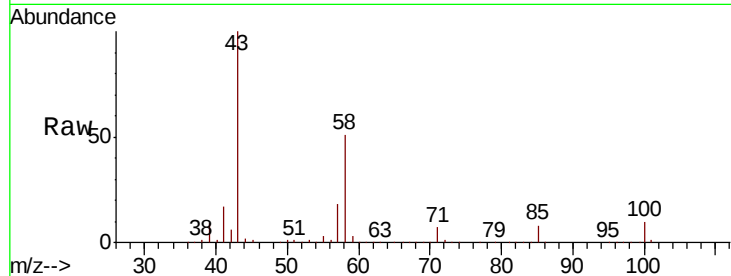
#59
2-Hexanone
Concen: 90.174 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Instrument :
MSVOA_X
ClientSampled :
VX1107WBS01

Tot Ion: 43 Resp: 148737
Ion Ratio Lower Upper
43 100
58 50.8 25.9 77.8

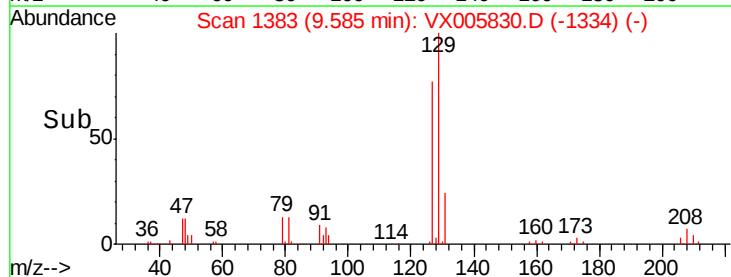
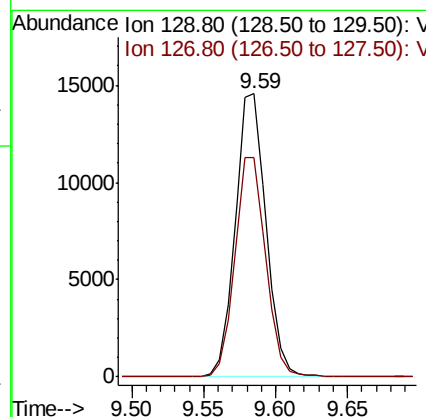
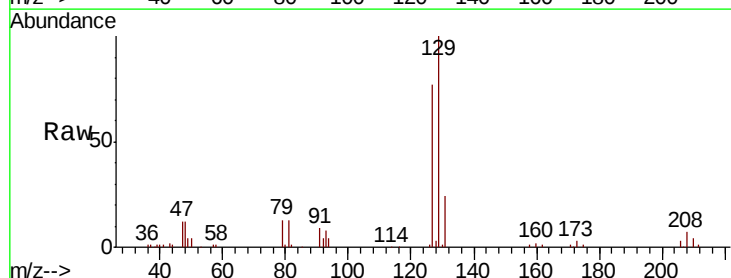
Manual Integrations
APPROVED

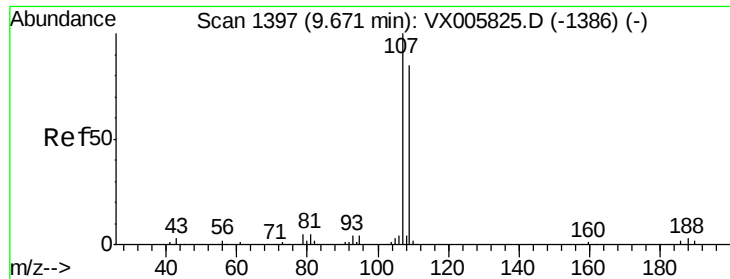
MMDadoda
11/8/2018 10:35:47 AM



#60
Dibromochloromethane
Concen: 17.801 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Tgt Ion: 129 Resp: 21768
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.7





#61

1,2-Dibromoethane

Concen: 17.646 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBS01

Tot Ion:107 Resp: 22078

Ion Ratio Lower Upper

107 100

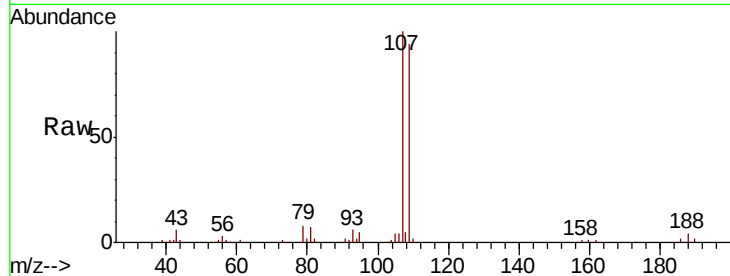
109 94.9 75.7 113.5

Manual Integrations

APPROVED

MMDadoda

11/8/2018 10:35:47 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

15000

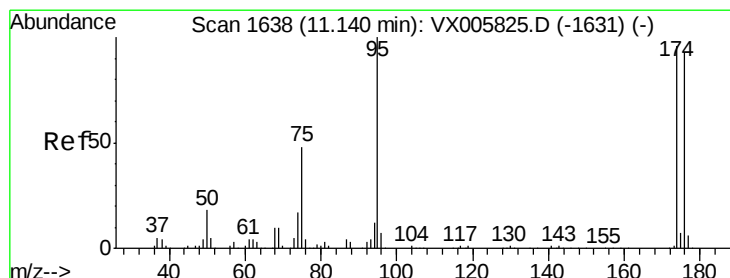
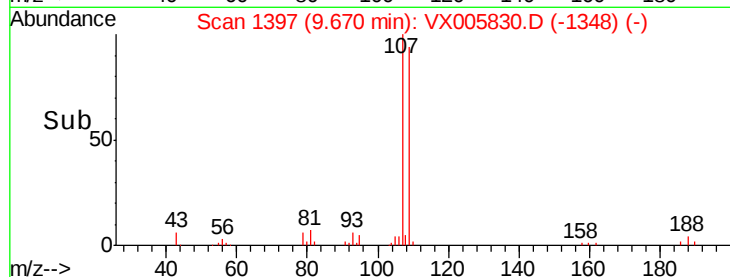
10000

5000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 53.035 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

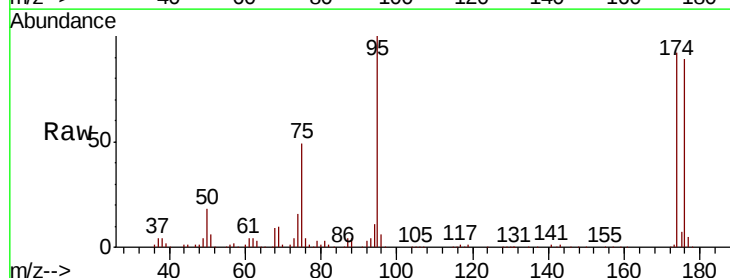
Tgt Ion: 95 Resp: 69692

Ion Ratio Lower Upper

95 100

174 89.6 0.0 184.4

176 87.1 0.0 177.4



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

60000

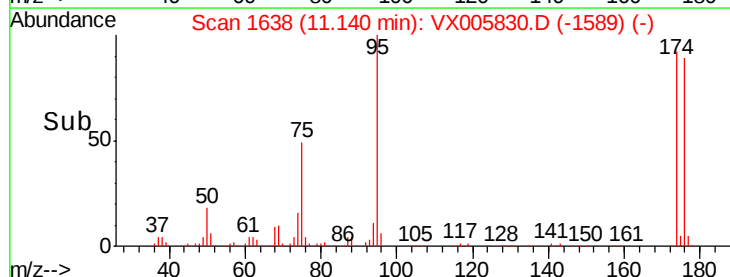
40000

20000

0

11.10 11.20

Time-->





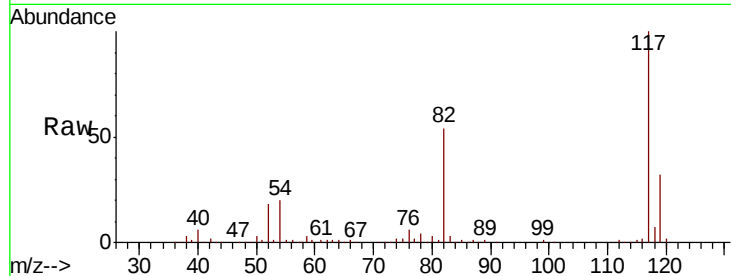
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.1	66.1
119	31.7	26.2	39.2

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:47 AM

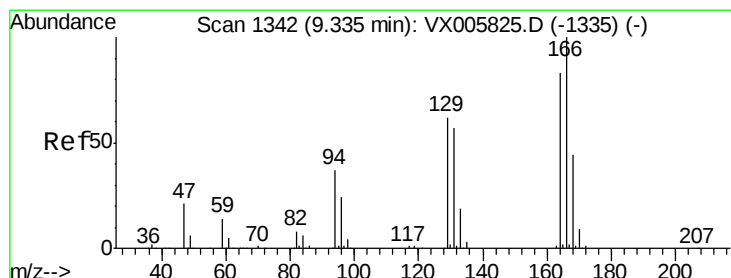
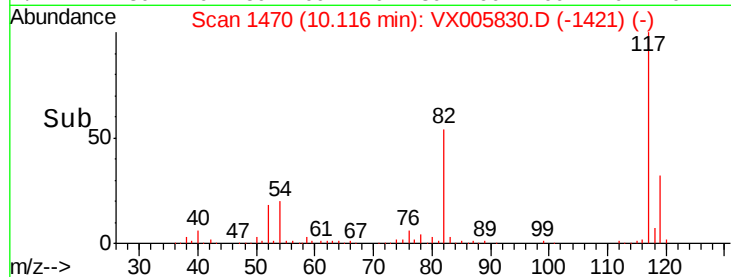
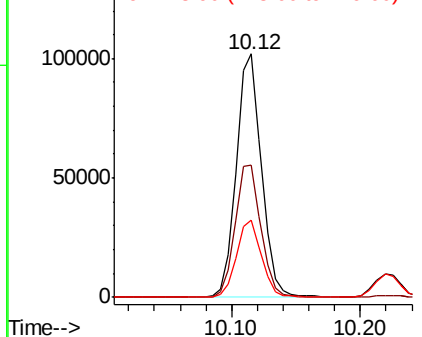


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.828 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	101.9	152.9
129	91.8	72.6	109.0
131	88.9	71.1	106.7

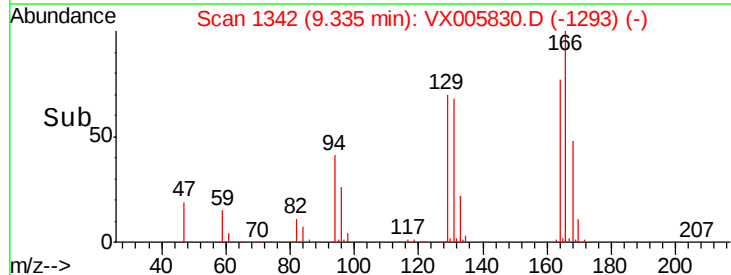
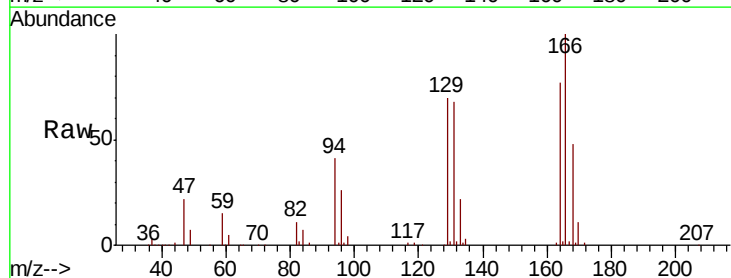
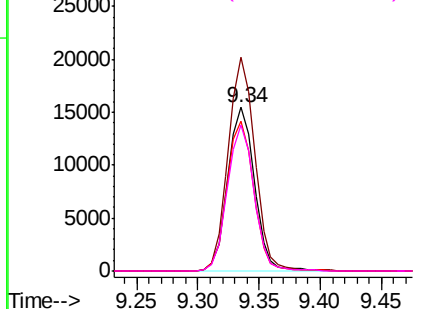
Abundance

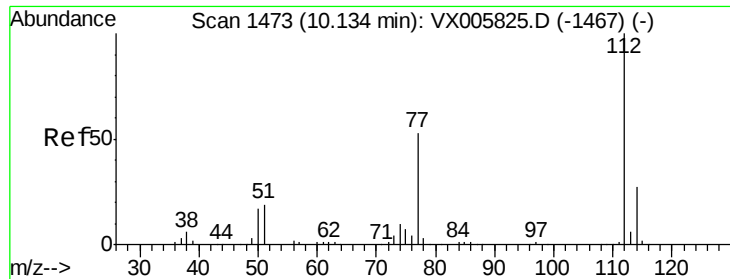
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





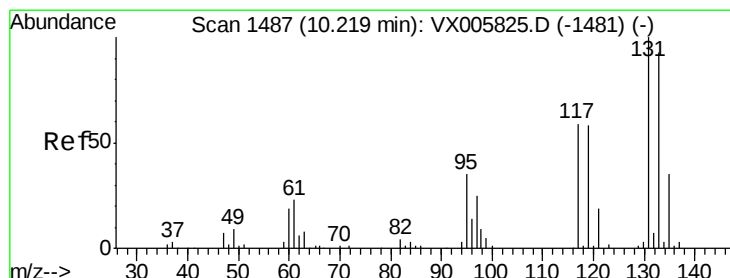
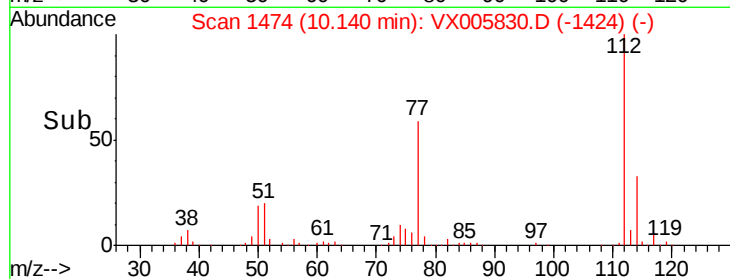
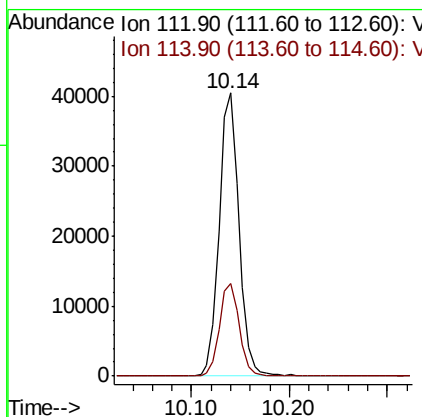
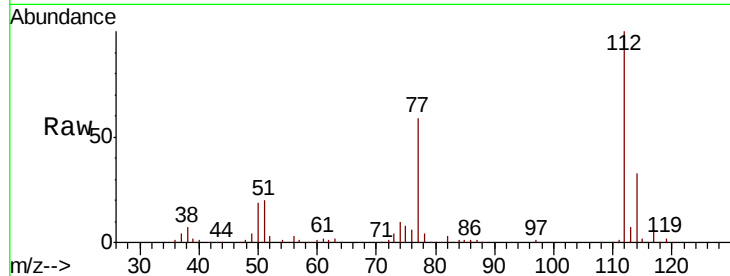
#65
Chlorobenzene
Concen: 20.461 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBS01

Tot Ion:112 Resp: 56851
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6

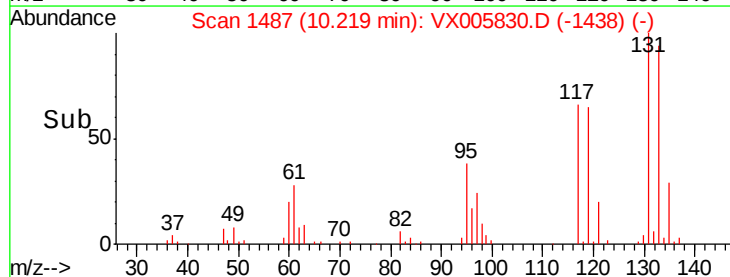
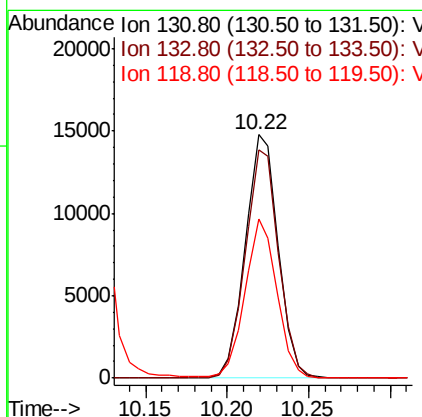
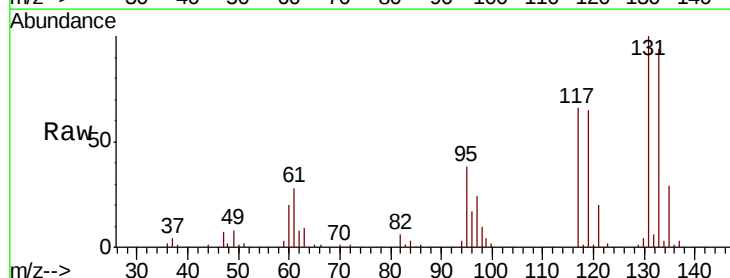
Manual Integrations
APPROVED

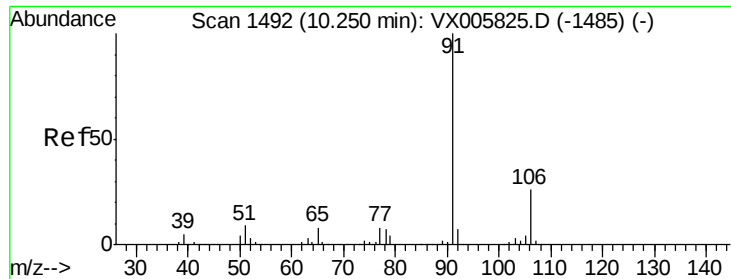
MMDadoda
11/8/2018 10:35:47 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.460 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Tgt Ion:131 Resp: 20730
Ion Ratio Lower Upper
131 100
133 94.9 47.5 142.5
119 63.4 31.8 95.3





#67

Ethyl Benzene

Concen: 21.769 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

ClientSampled :

VX1107WBS01

Tot Ion: 91 Resp: 96993

Ion Ratio Lower Upper

91 100

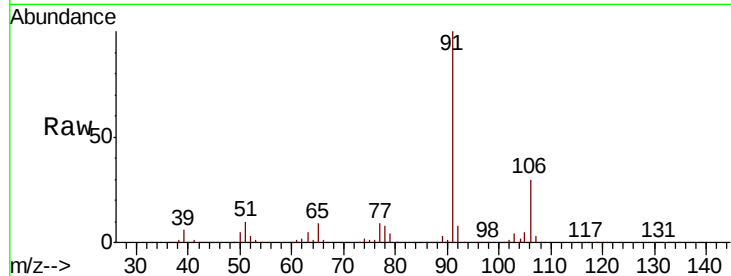
106 29.9 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

11/8/2018 10:35:47 AM



Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX005825.D (-1485) (-)

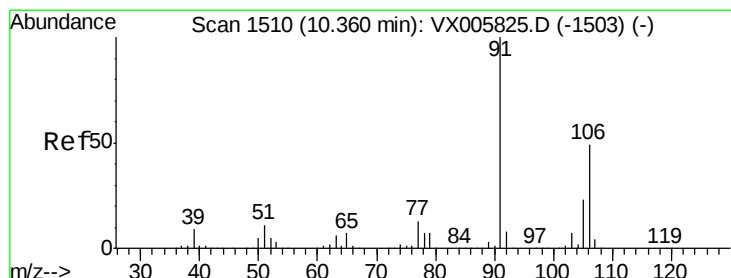
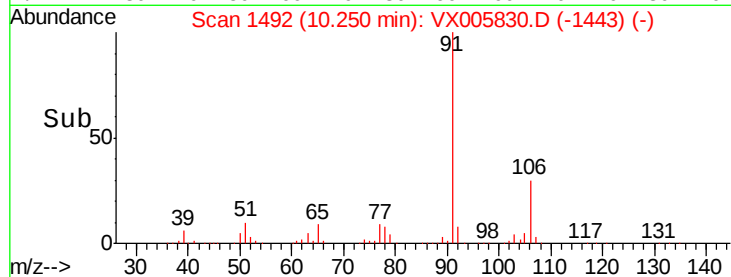
100000

50000

0

10.20 10.30

Time-->



#68

m/p-Xylenes

Concen: 44.490 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005830.D

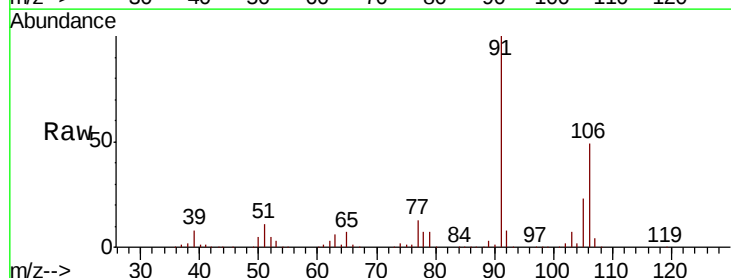
Acq: 07 Nov 2018 16:24

Tgt Ion: 106 Resp: 75610

Ion Ratio Lower Upper

106 100

91 206.8 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): VX005825.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX005825.D (-1503) (-)

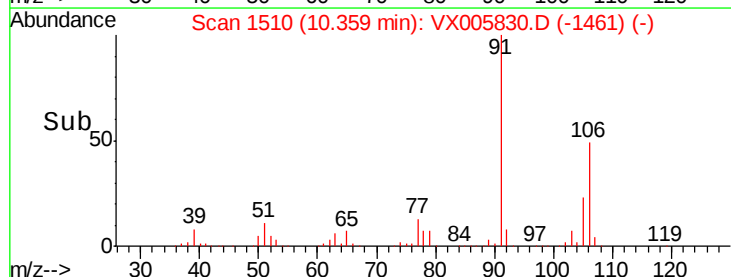
100000

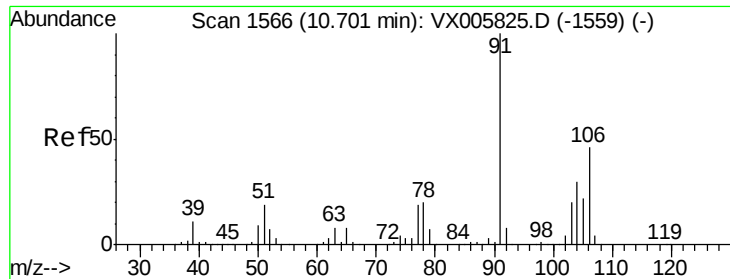
50000

0

10.30 10.40 10.50

Time-->





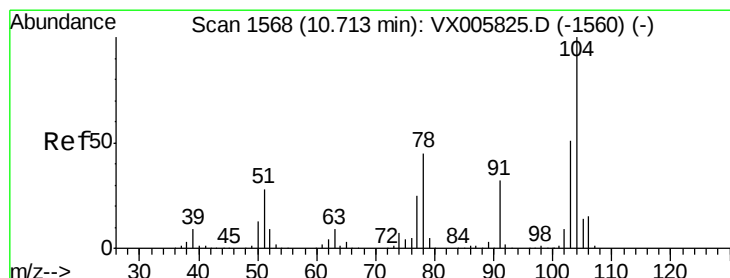
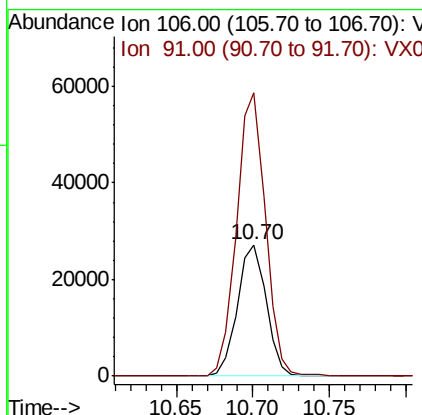
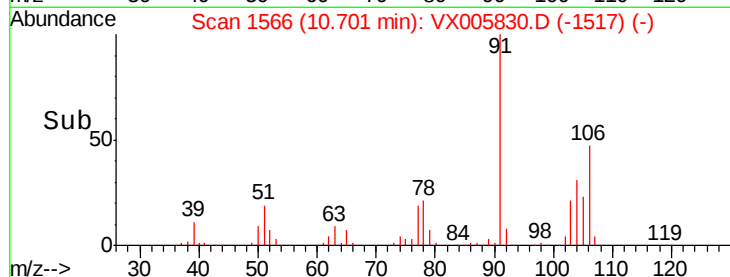
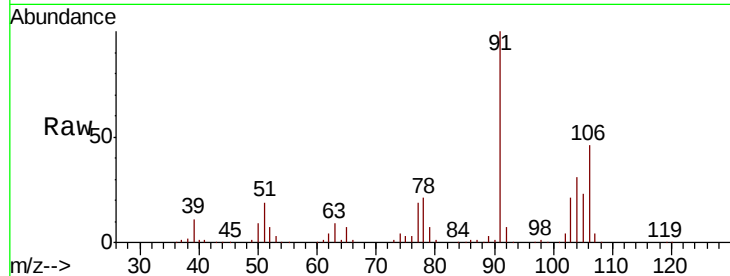
#69
o-Xylene
Concen: 23.230 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBS01

Tot Ion:106 Resp: 35401
Ion Ratio Lower Upper
106 100
91 216.9 108.5 325.5

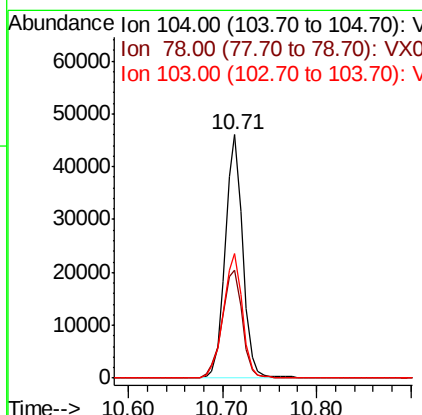
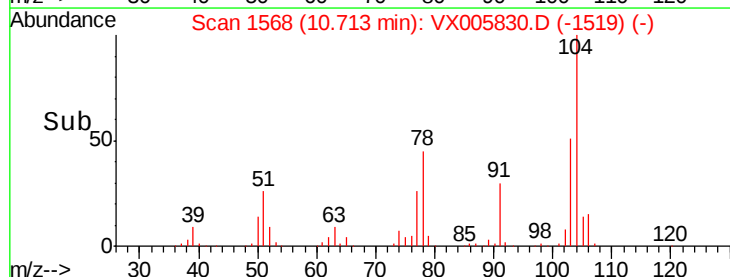
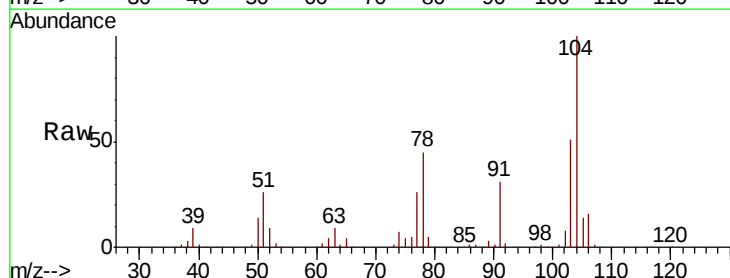
Manual Integrations
APPROVED

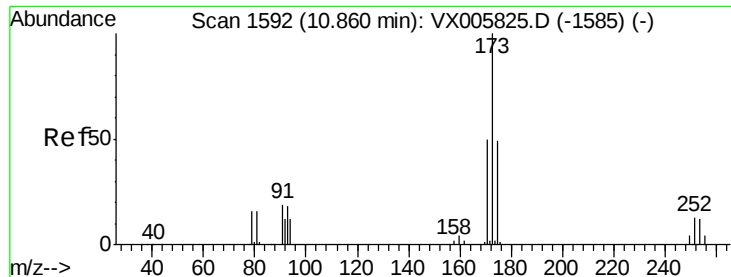
MMDadoda
11/8/2018 10:35:47 AM



#70
Styrene
Concen: 23.653 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Tgt Ion:104 Resp: 59463
Ion Ratio Lower Upper
104 100
78 51.3 40.2 60.4
103 56.0 44.9 67.3





#71

Bromoform

Concen: 21.539 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBS01

Tot Ion:173 Resp: 17442

Ion Ratio Lower Upper

173 100

175 48.7 24.8 74.3

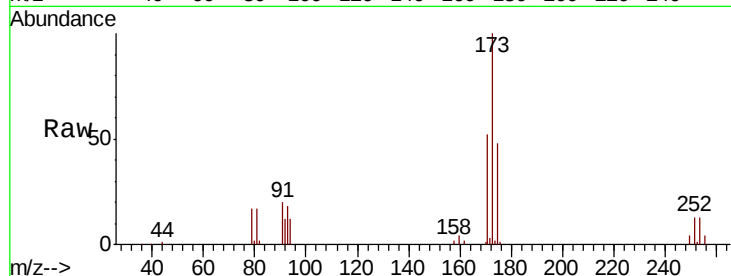
254 0.0 0.2 0.2#

Manual Integrations

APPROVED

MMDadoda

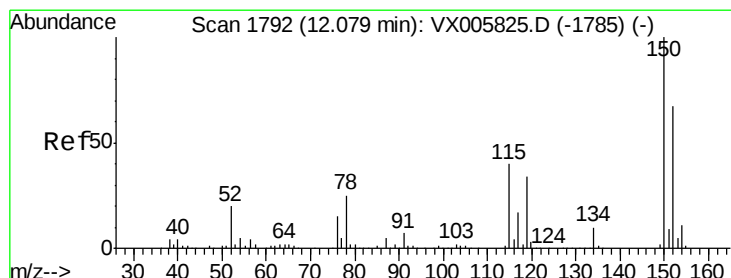
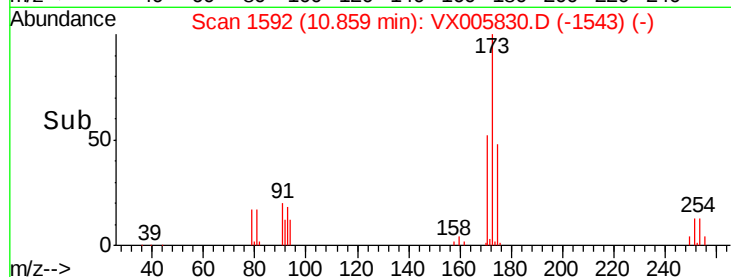
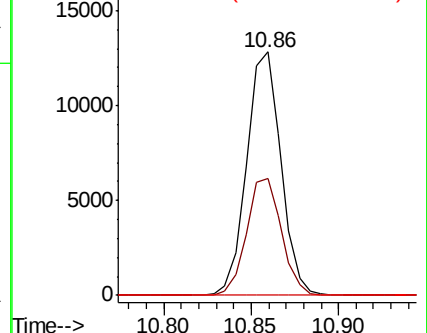
11/8/2018 10:35:47 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

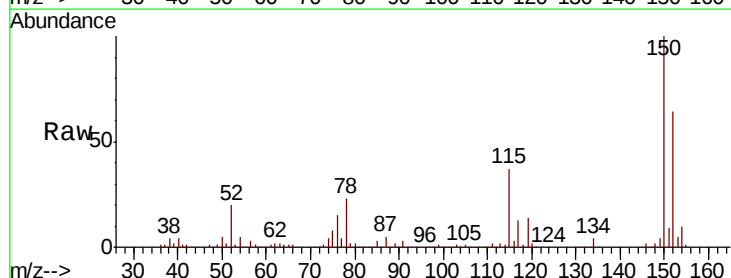
Tgt Ion:152 Resp: 77291

Ion Ratio Lower Upper

152 100

115 66.0 39.4 118.1

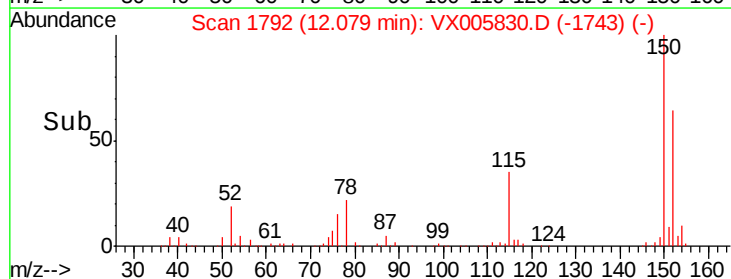
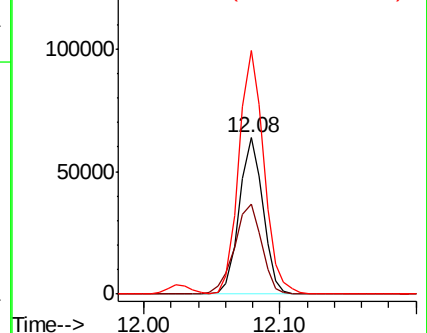
150 164.7 0.0 346.4

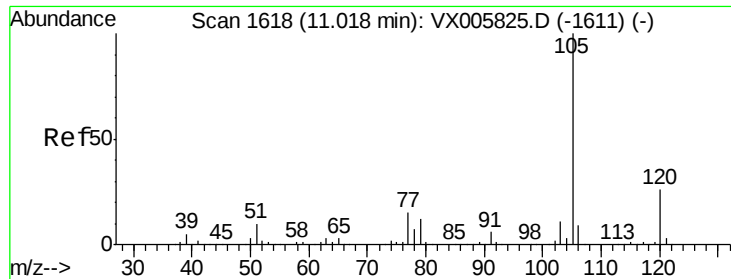


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.123 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBS01

Tot Ion: 105 Resp: 98884

Ion Ratio Lower Upper

105 100

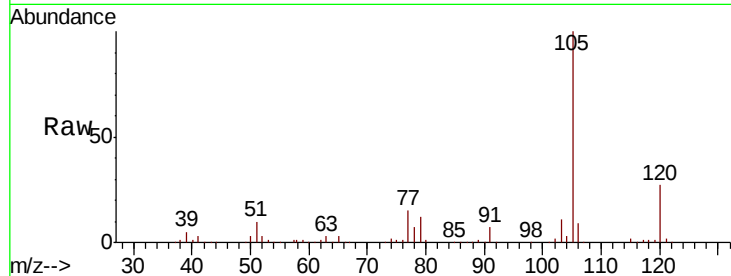
120 26.7 13.1 39.3

Manual Integrations

APPROVED

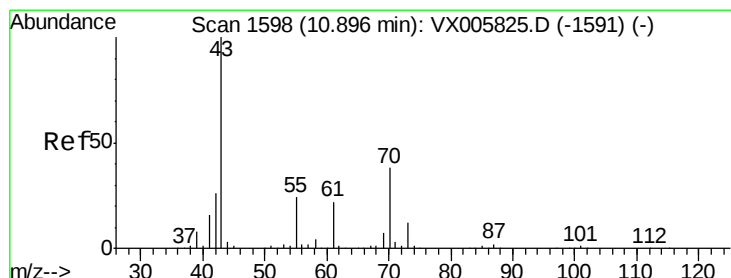
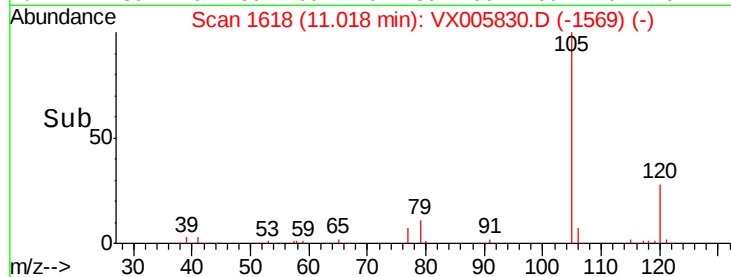
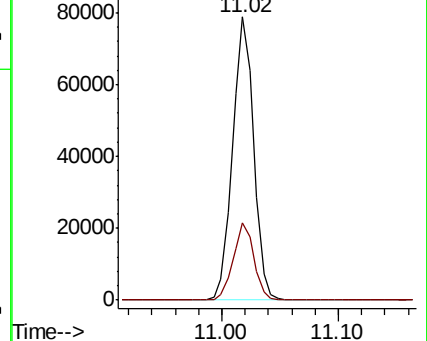
MMDadoda

11/8/2018 10:35:47 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.150 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Tgt Ion: 43 Resp: 46040

Ion Ratio Lower Upper

43 100

70 39.3 31.6 47.4

55 25.7 19.7 29.5

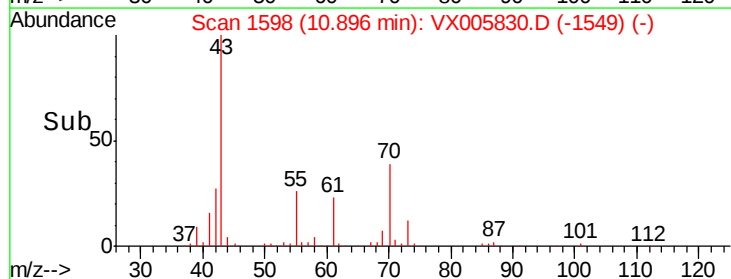
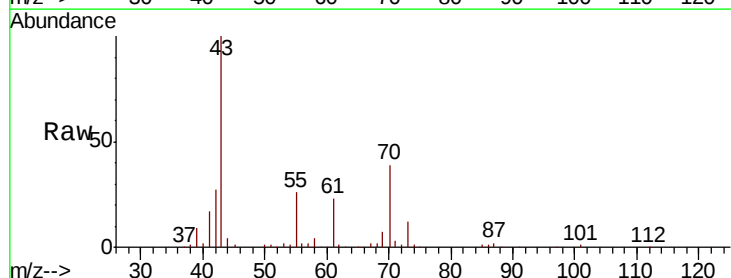
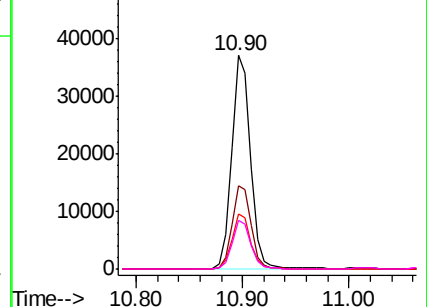
61 22.5 18.3 27.5

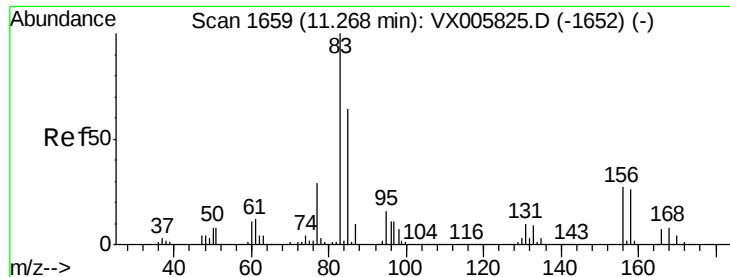
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.219 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

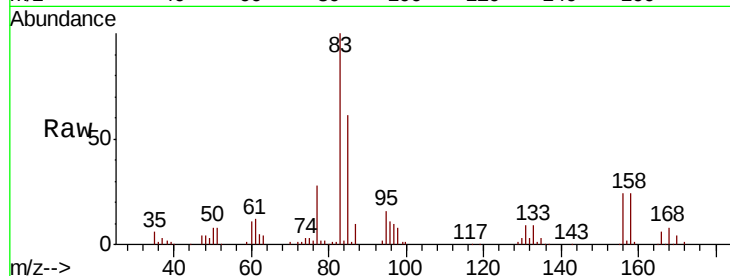
ClientSampleId :

VX1107WBS01

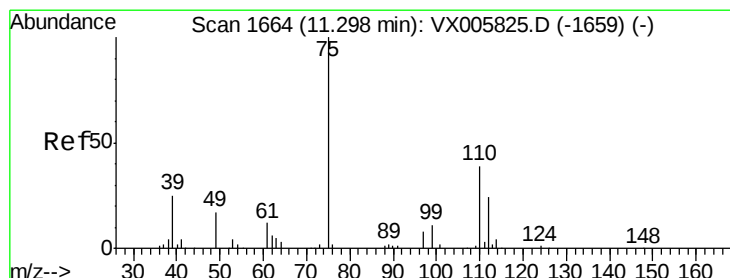
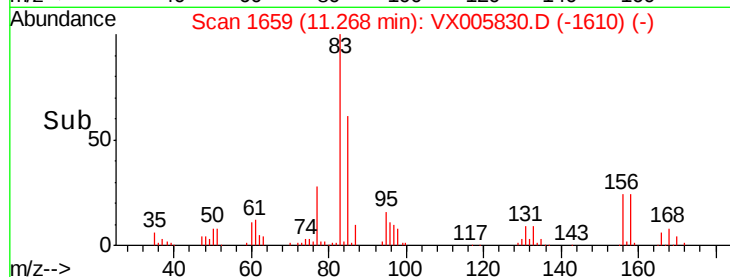
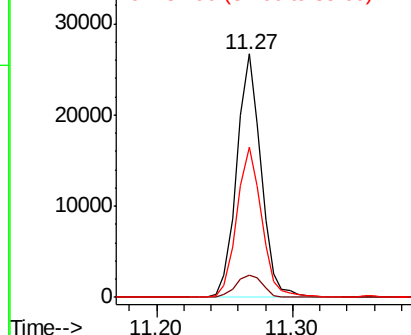
Tot Ion:	83	Resp:	33171
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.9
85	63.1	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:47 AM



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



#76

1,2,3-Trichloropropane

Concen: 20.942 ug/l m

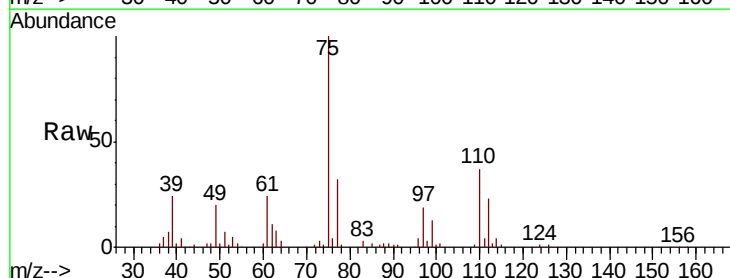
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

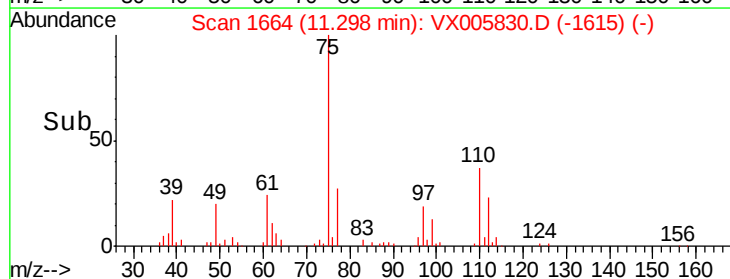
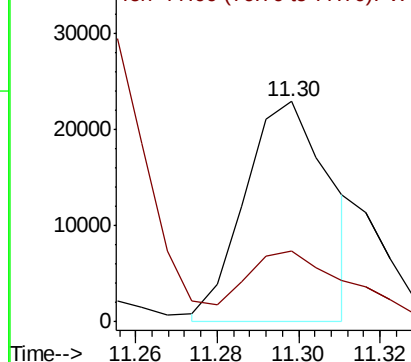
Lab File: VX005830.D

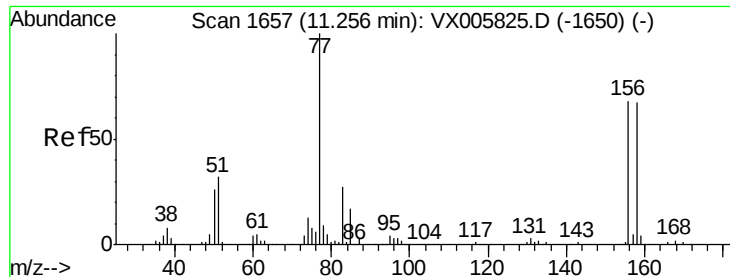
Acq: 07 Nov 2018 16:24

Tgt Ion:	75	Resp:	32959
Ion Ratio	Lower	Upper	
75	100		
77	38.7	20.5	61.6



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





#77

Bromobenzene

Concen: 20.717 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

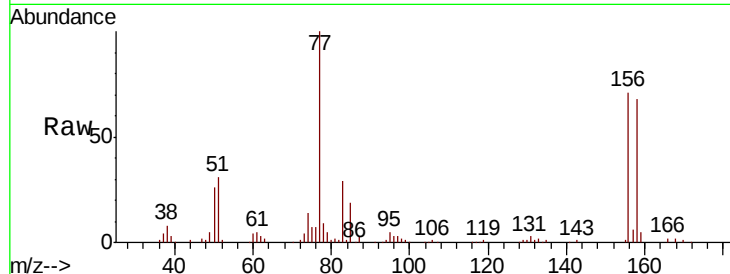
ClientSampleId :

VX1107WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.4	74.8	224.4
158	97.5	49.1	147.3

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:47 AM

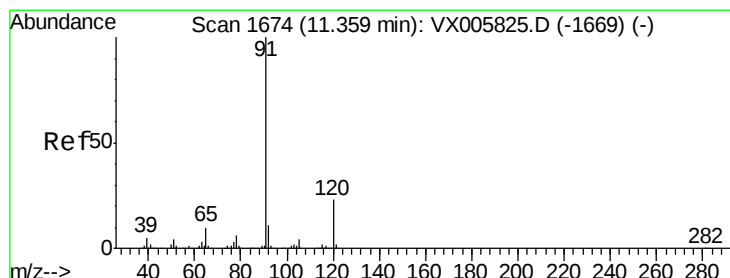
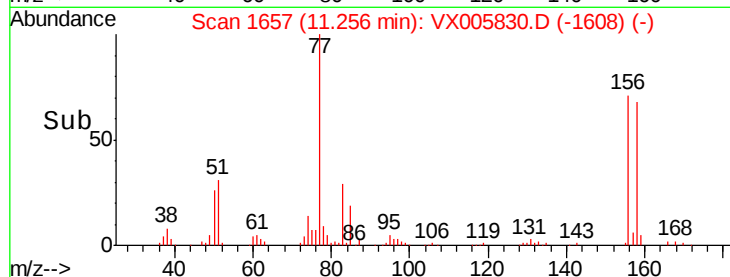
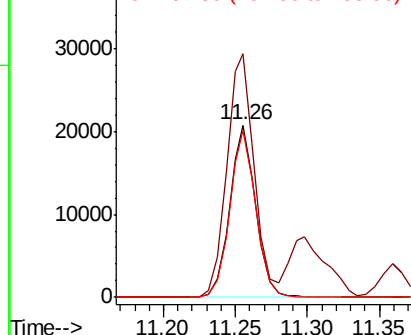


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.982 ug/l

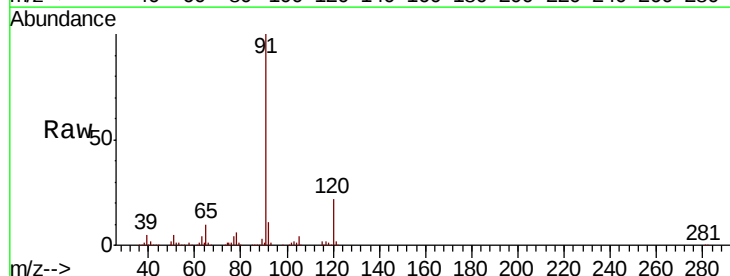
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

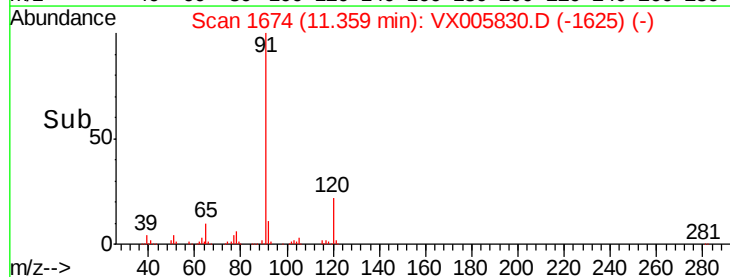
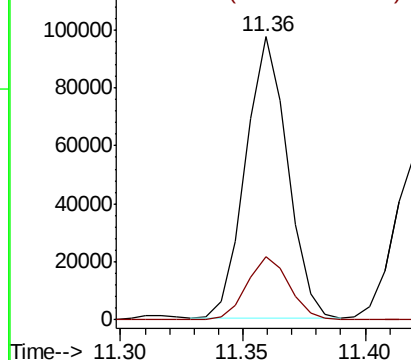
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.9	35.5



Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.550 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBS01

Tot Ion: 91 Resp: 68615

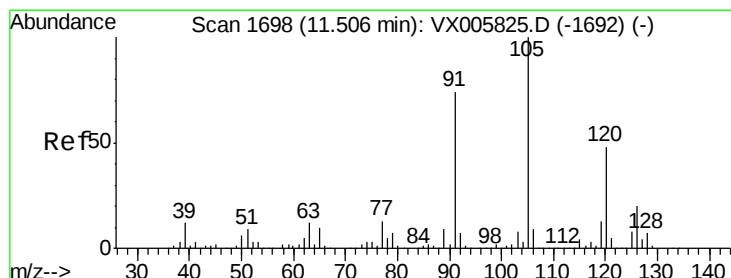
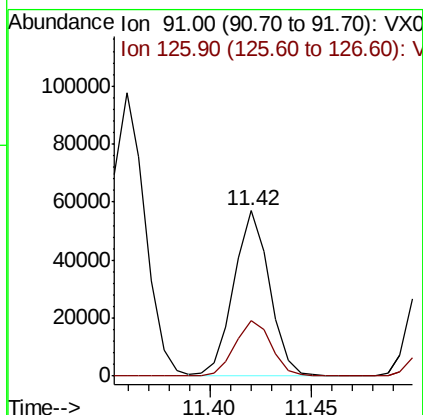
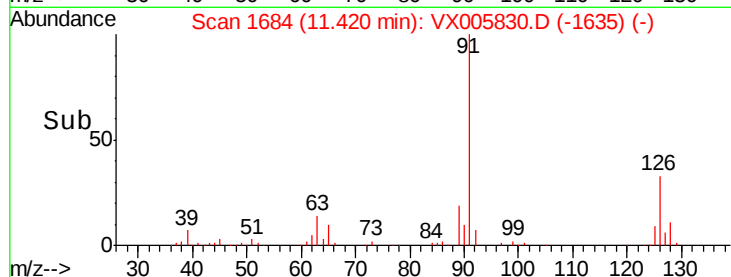
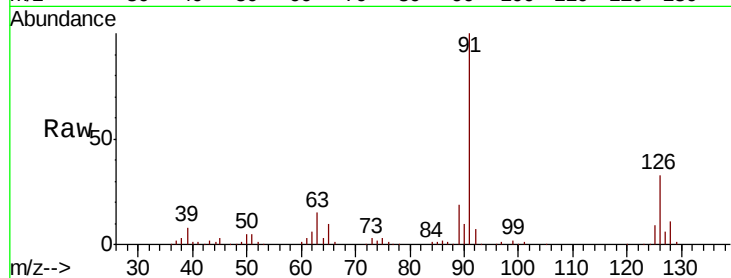
Ion Ratio Lower Upper

91 100

126 34.6 17.3 52.0

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:47 AM



#80

1,3,5-Trimethylbenzene

Concen: 22.245 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005830.D

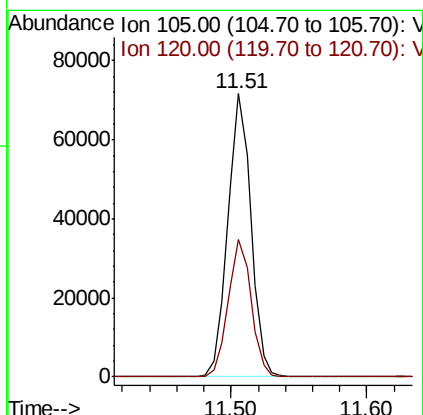
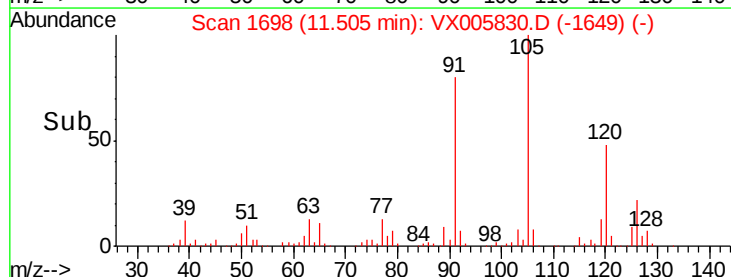
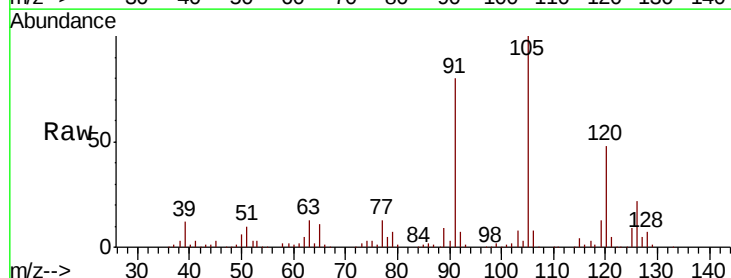
Acq: 07 Nov 2018 16:24

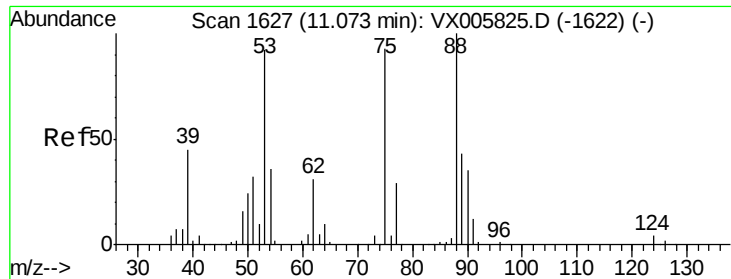
Tgt Ion: 105 Resp: 84493

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.213 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

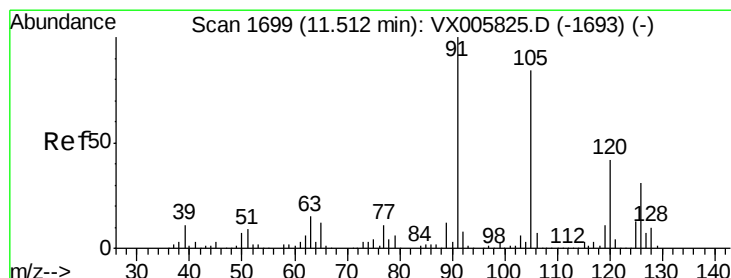
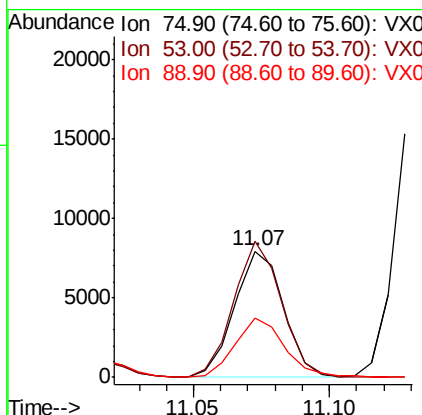
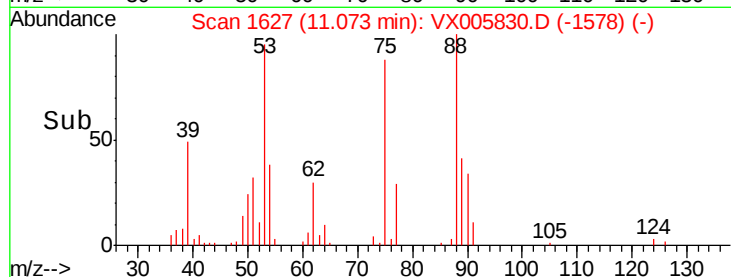
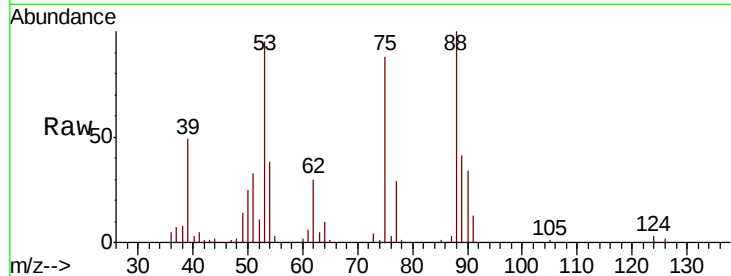
ClientSampleId :

VX1107WBS01

Tot Ion:	75	Resp:	9981
Ion	Ratio	Lower	Upper
75	100		
53	105.1	80.2	120.2
89	47.0	39.8	59.8

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:47 AM



#82

4-Chlorotoluene

Concen: 21.819 ug/l

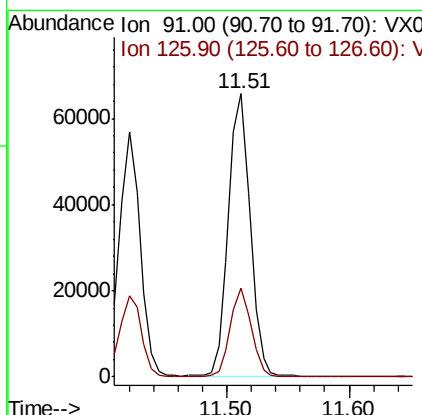
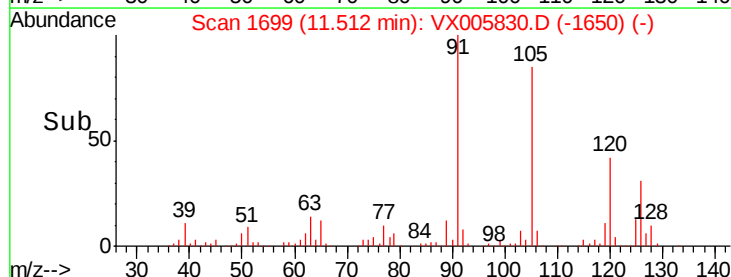
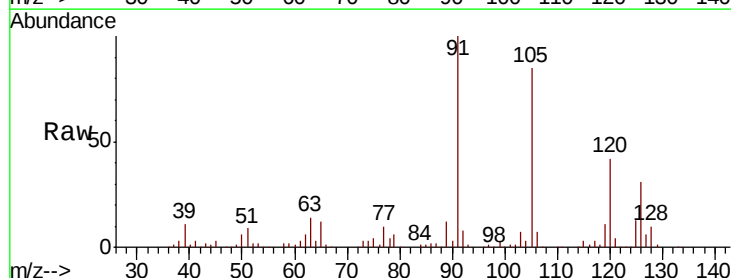
RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Tgt Ion:	91	Resp:	81872
Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.2	45.6





#83

tert-Butylbenzene

Concen: 21.251 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

Instrument :

MSVOA_X

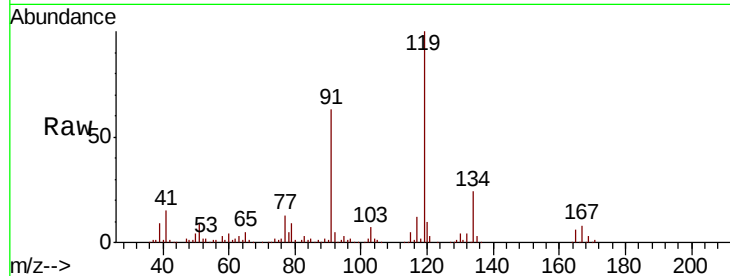
ClientSampleId :

VX1107WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	81658		
91	57.7	28.5	85.5	
134	22.9	11.3	33.8	

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:47 AM

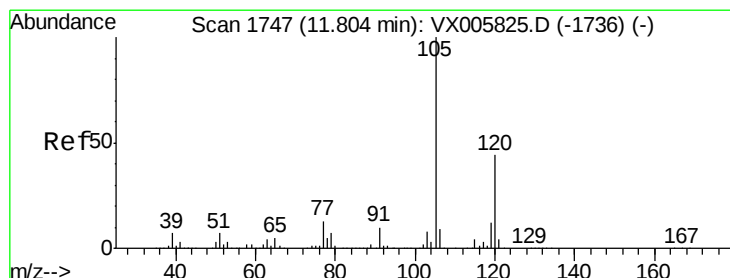
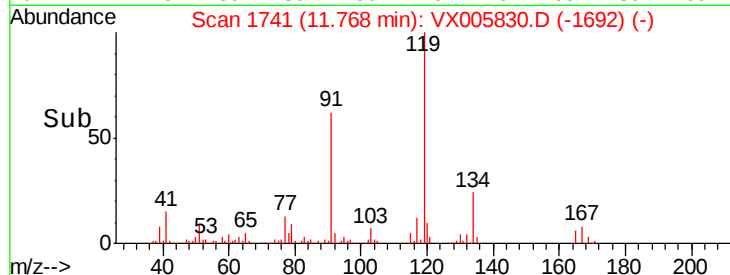
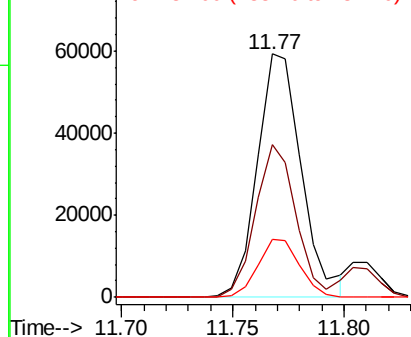


Abundance

Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.734 ug/l

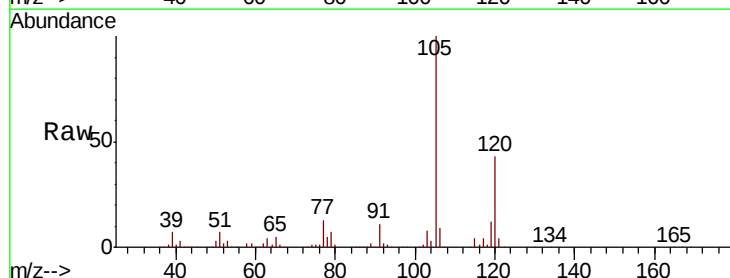
RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX005830.D

Acq: 07 Nov 2018 16:24

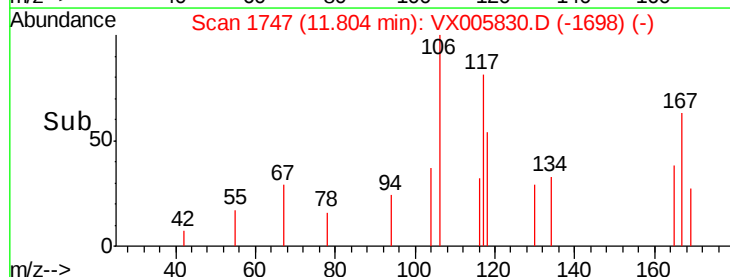
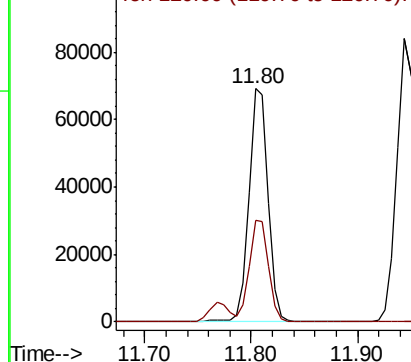
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	87204		
120	43.7	22.4	67.0	

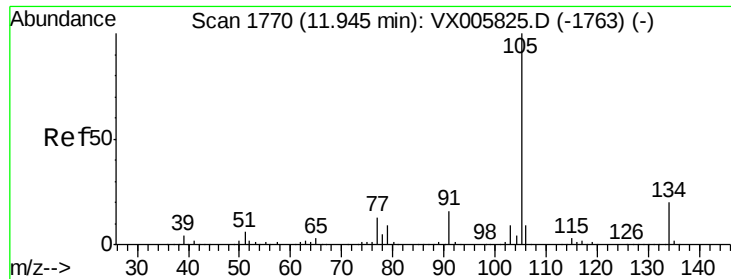


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





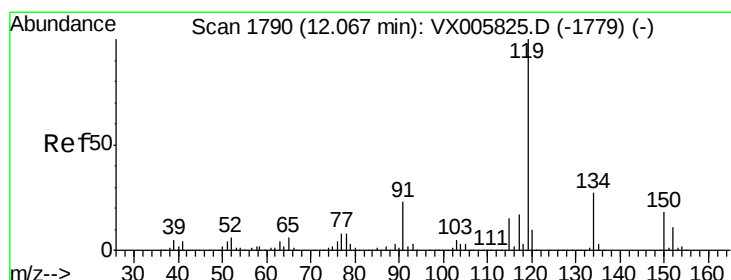
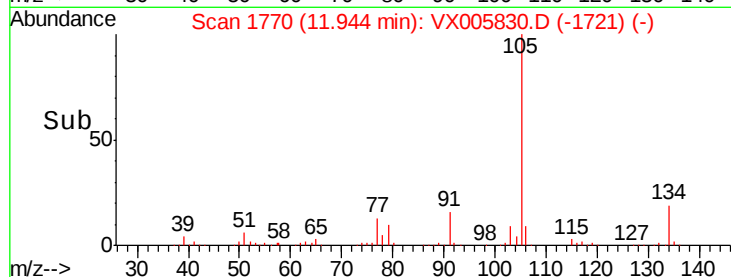
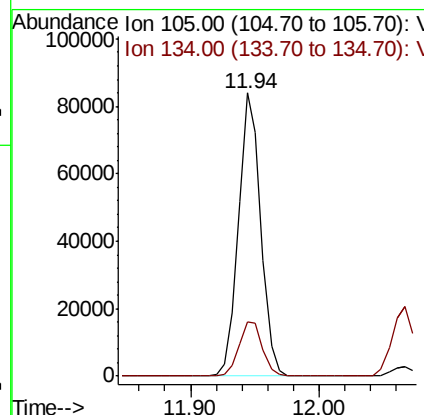
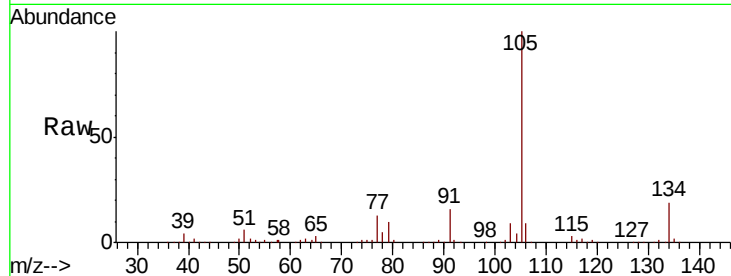
#85
 sec-Butylbenzene
 Concen: 21.508 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005830.D
 Acq: 07 Nov 2018 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBS01

Tot Ion:105 Resp: 101066
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.2 30.4

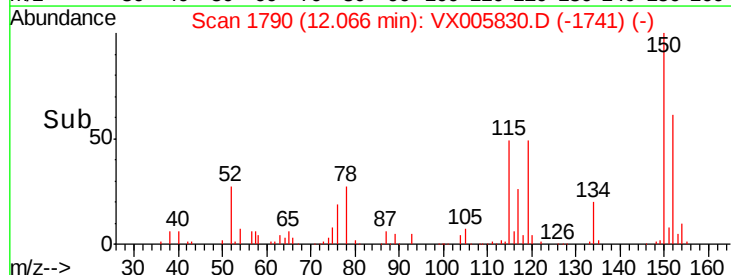
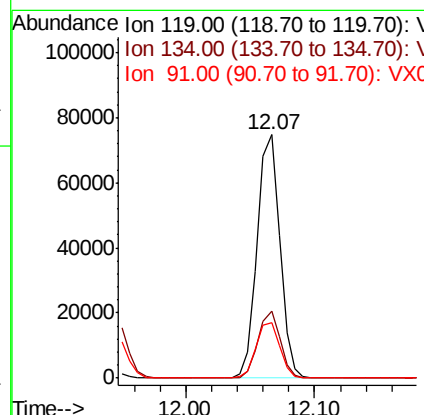
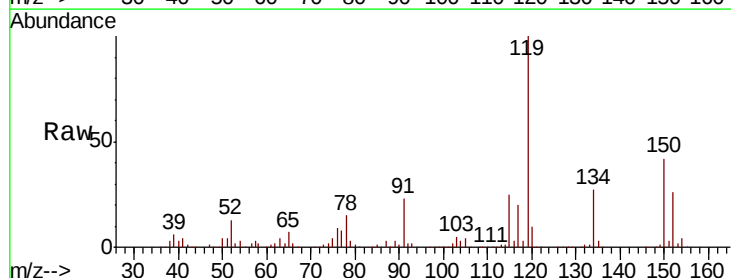
Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 10:35:47 AM



#86
 p-Isopropyltoluene
 Concen: 21.710 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005830.D
 Acq: 07 Nov 2018 16:24

Tgt Ion:119 Resp: 90364
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.0 39.0
 91 23.9 11.4 34.2





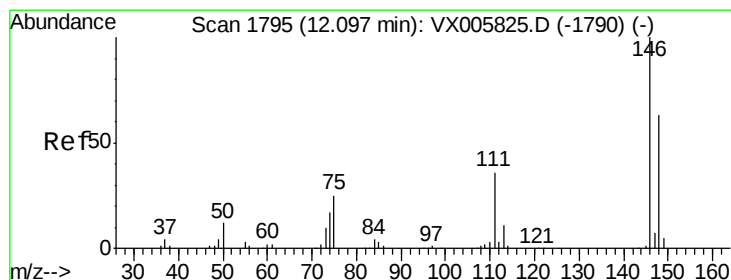
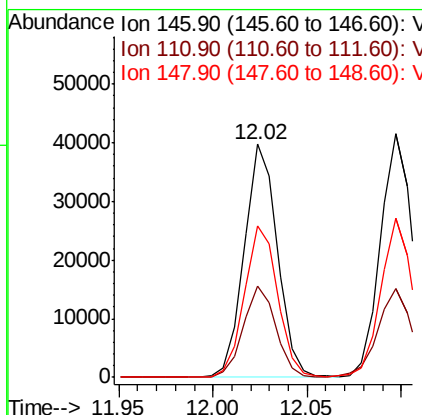
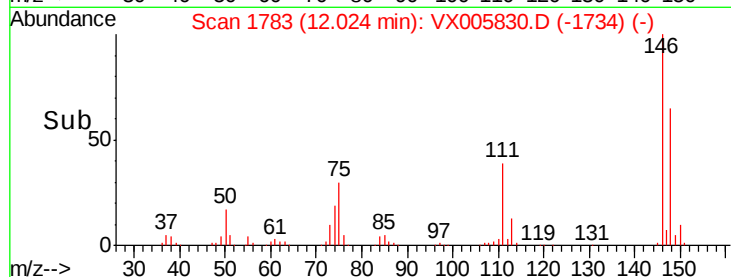
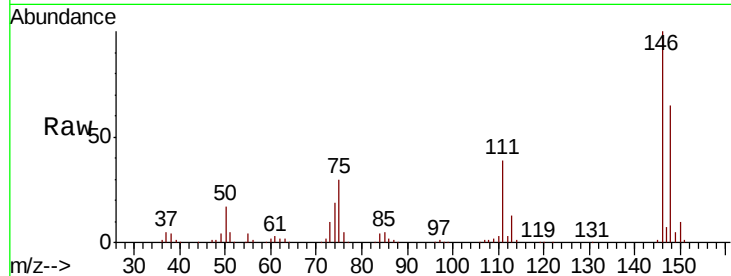
#87
 1,3-Dichlorobenzene
 Concen: 20.090 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005830.D
 Acq: 07 Nov 2018 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.0	57.0
148	65.3	31.9	95.9

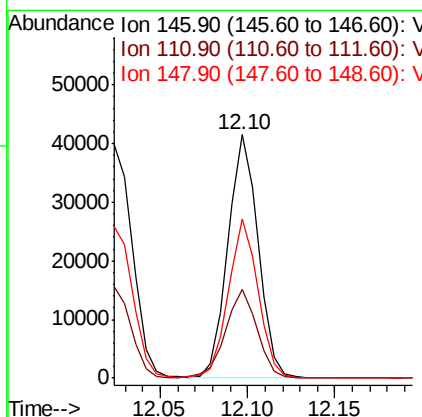
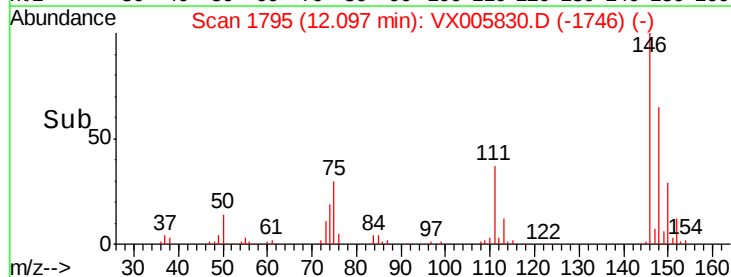
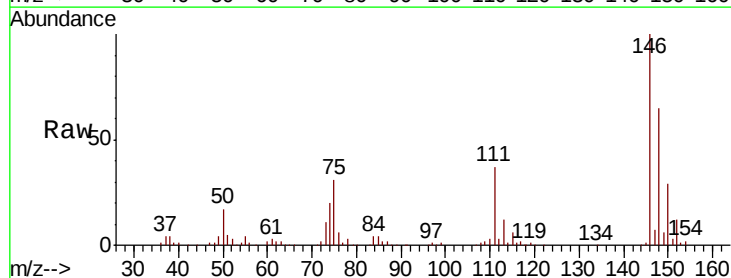
Manual Integrations
 APPROVED

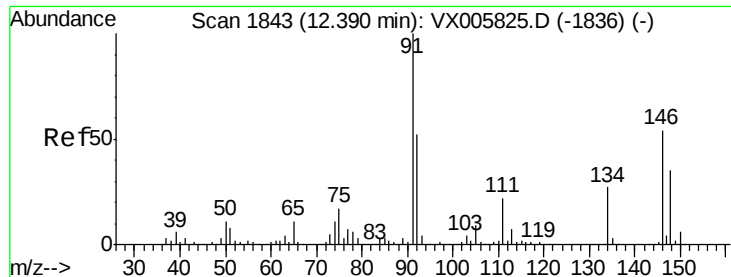
MMDadoda
 11/8/2018 10:35:47 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.197 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005830.D
 Acq: 07 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	55.8
148	64.5	32.1	96.3





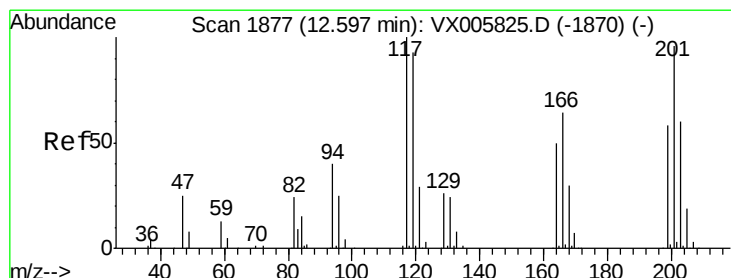
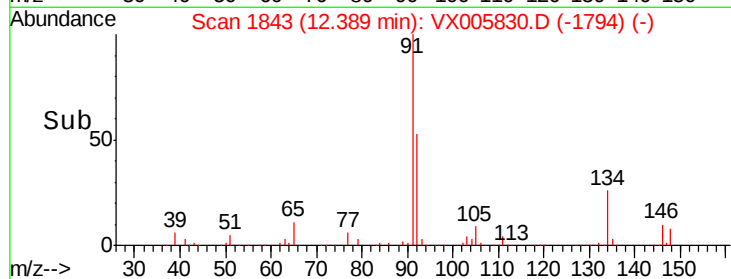
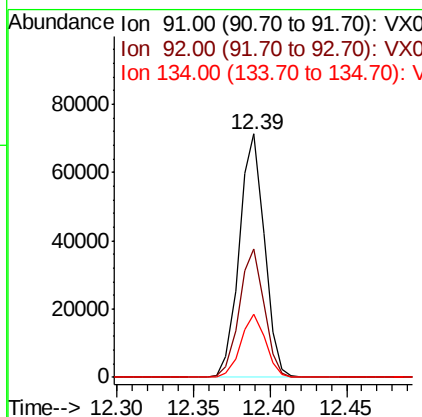
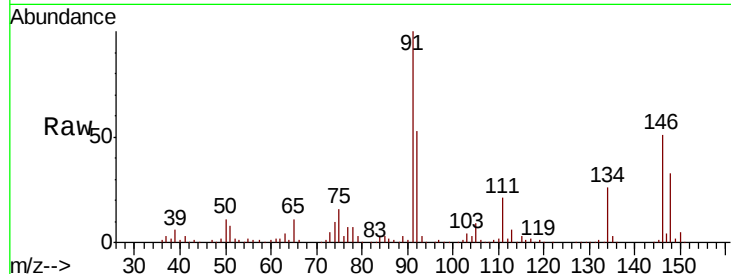
#89
n-Butylbenzene
Concen: 21.068 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	25.6	13.1	39.3

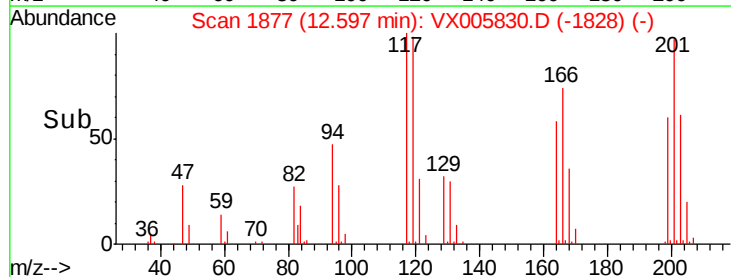
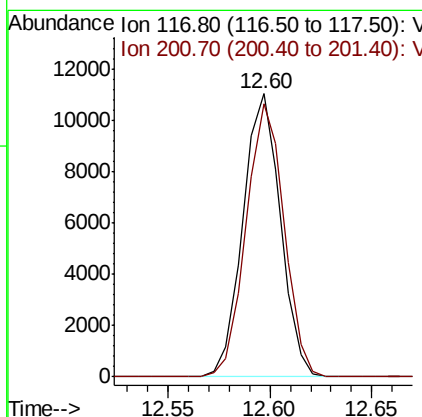
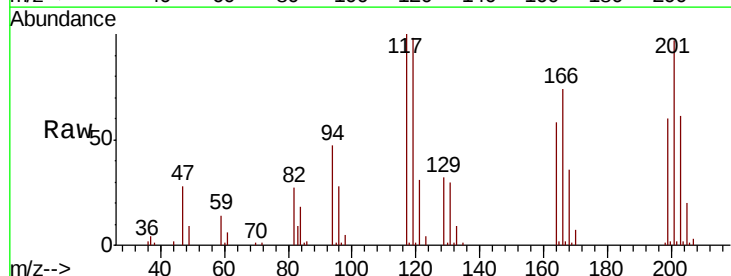
Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:47 AM



#90
Hexachloroethane
Concen: 20.280 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.6	47.9	143.6





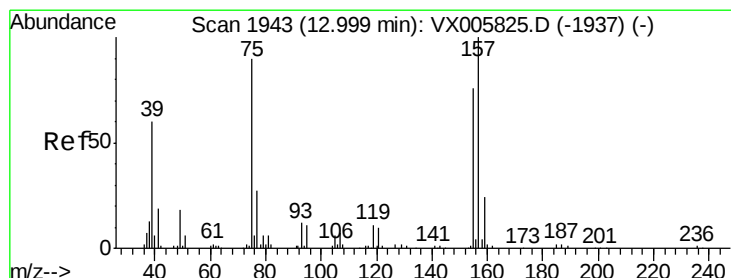
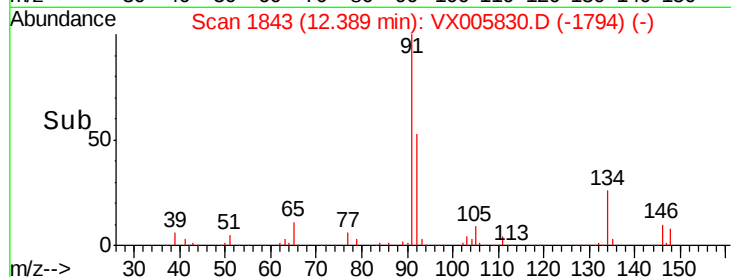
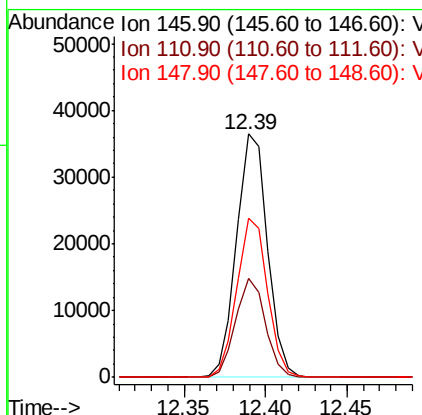
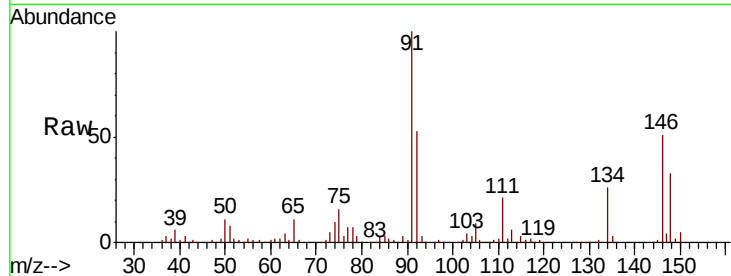
#91
 1,2-Dichlorobenzene
 Concen: 19.995 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005830.D
 Acq: 07 Nov 2018 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	59.9
148	64.6	32.2	96.6

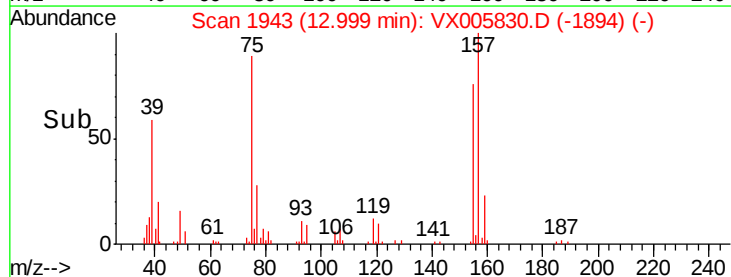
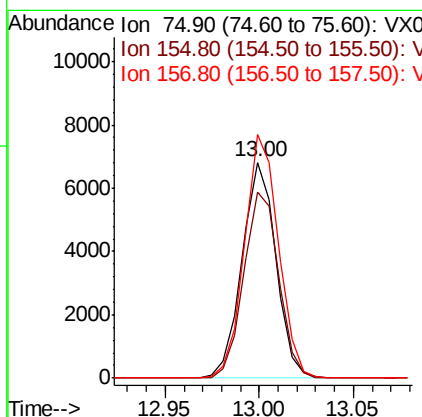
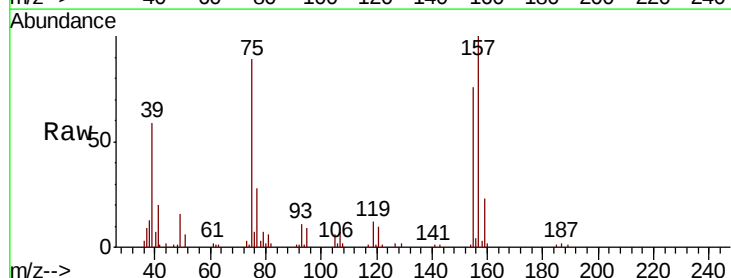
Manual Integrations
 APPROVED

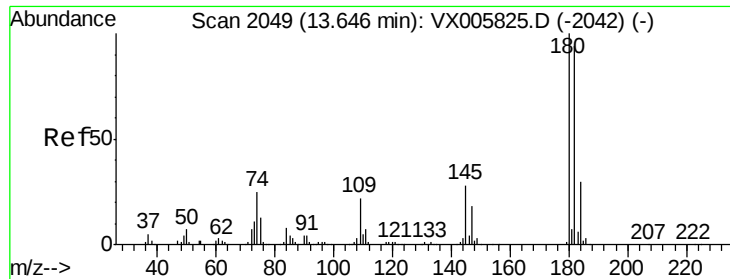
MMDadoda
 11/8/2018 10:35:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.267 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005830.D
 Acq: 07 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.2	45.4	136.1
157	113.0	57.4	172.0





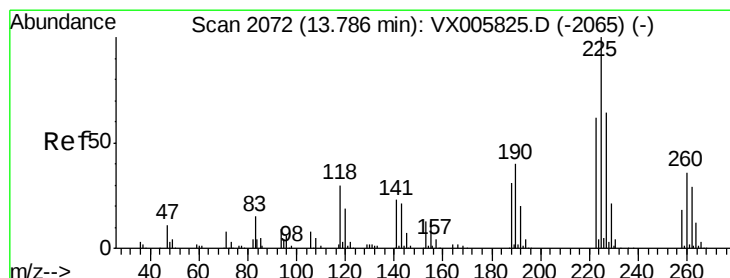
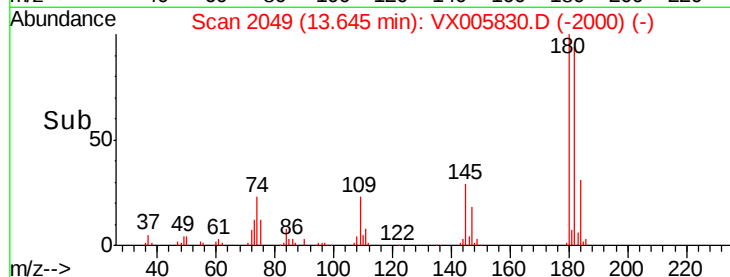
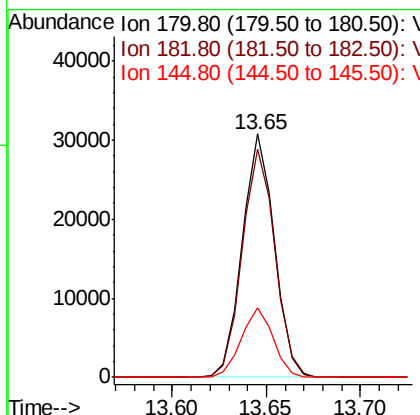
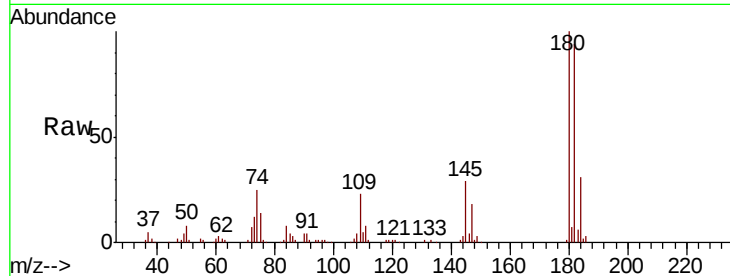
#93
 1,2,4-Trichlorobenzene
 Concen: 21.275 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005830.D
 Acq: 07 Nov 2018 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	36276		
182	95.6		47.6	142.8
145	28.6		14.1	42.2

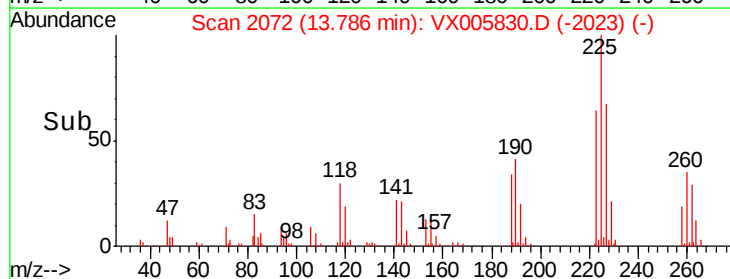
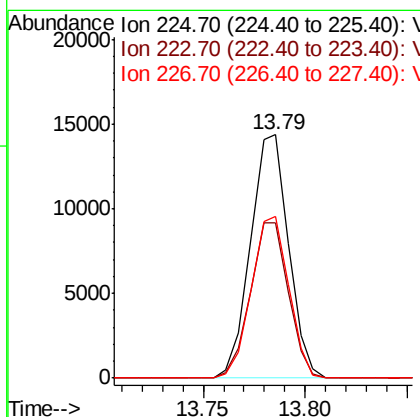
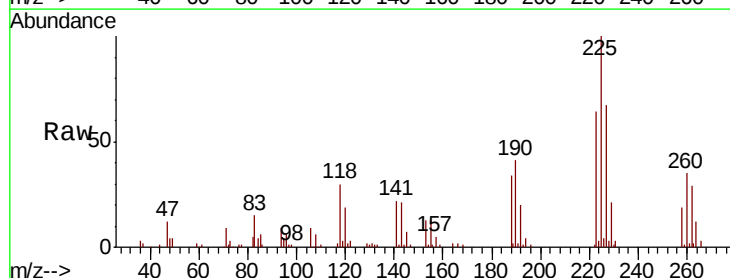
Manual Integrations
 APPROVED

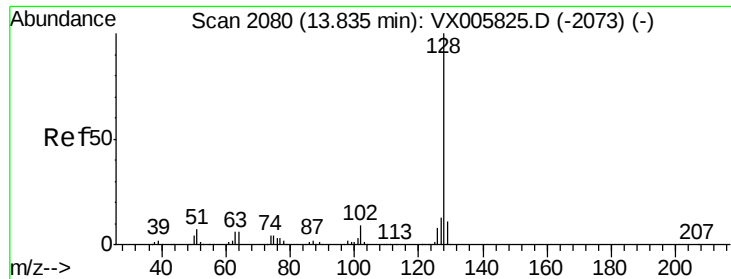
MMDadoda
 11/8/2018 10:35:47 AM



#94
 Hexachlorobutadiene
 Concen: 20.844 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005830.D
 Acq: 07 Nov 2018 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	18669		
223	64.2		31.7	95.1
227	65.5		32.3	96.9





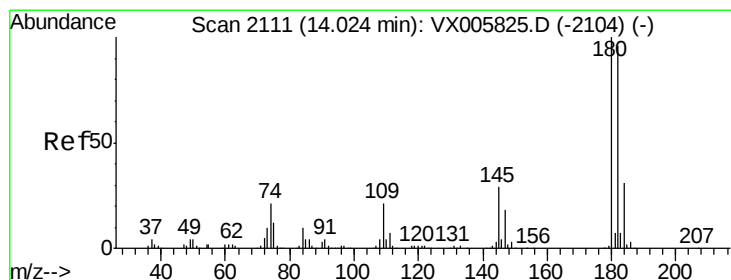
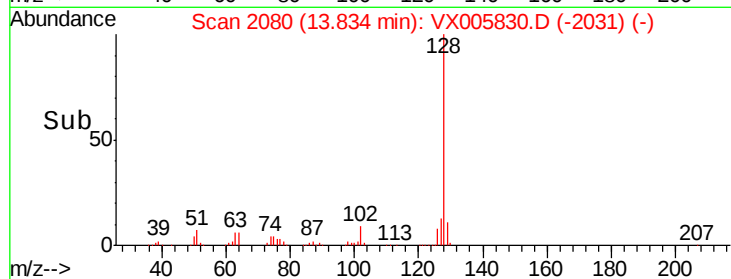
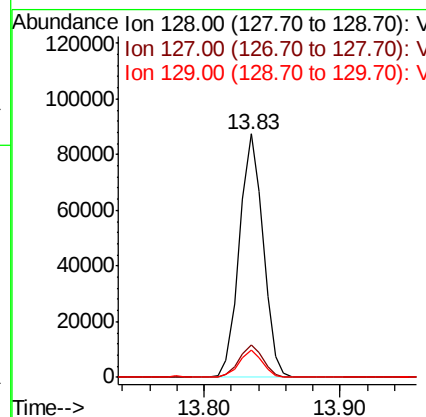
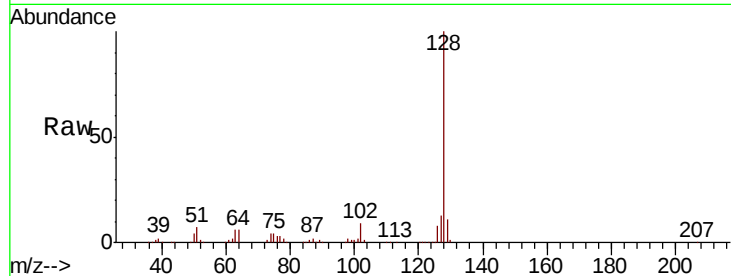
#95
Naphthalene
Concen: 19.863 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.318 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005830.D
Acq: 07 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.2
145	29.7	15.1	45.3

