

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110718\
 Data File : VX005833.D
 Acq On : 07 Nov 2018 17:44
 Operator : JC/MD
 Sample : VX1107WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 10:35:51 AM

Quant Time: Nov 08 08:01:38 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	5.67	168	114776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	154821	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	134364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	73665	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	72098	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	
35) Dibromofluoromethane	5.50	113	58188	55.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.52%	
50) Toluene-d8	8.72	98	185729	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
62) 4-Bromofluorobenzene	11.14	95	66686	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	21277	20.561	ug/l	96
3) Chloromethane	1.32	50	28372	20.891	ug/l	92
4) Vinyl Chloride	1.40	62	27010	19.811	ug/l	94
5) Bromomethane	1.64	94	16540	19.824	ug/l	91
6) Chloroethane	1.72	64	16855	20.719	ug/l	95
7) Trichlorofluoromethane	1.93	101	36179	19.991	ug/l #	80
8) Diethyl Ether	2.19	74	15059	21.236	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	20287	19.491	ug/l	100
10) Methyl Iodide	2.51	142	24123	19.123	ug/l	98
11) Tert butyl alcohol	3.06	59	39392	104.214	ug/l	100
12) 1,1-Dichloroethene	2.37	96	19699	19.418	ug/l	96
13) Acrolein	2.29	56	17181	107.184	ug/l	100
14) Allyl chloride	2.73	41	45928	20.270	ug/l	98
15) Acrylonitrile	3.15	53	83231	106.251	ug/l	99
16) Acetone	2.45	43	76705	107.967	ug/l	98
17) Carbon Disulfide	2.57	76	61619	20.363	ug/l	98
18) Methyl Acetate	2.78	43	41861	21.130	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	72022	20.800	ug/l	93
20) Methylene Chloride	2.85	84	22931	19.649	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	21153	19.769	ug/l	93
22) Diisopropyl ether	3.87	45	82697	20.835	ug/l #	97
23) Vinyl Acetate	3.82	43	353481	103.867	ug/l	99
24) 1,1-Dichloroethane	3.69	63	42692	20.161	ug/l	99
25) 2-Butanone	4.70	43	116189	104.024	ug/l	99
26) 2,2-Dichloropropane	4.58	77	31751	20.440	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	23683	20.044	ug/l	97
28) Bromochloromethane	5.01	49	21693	22.922	ug/l	99
29) Tetrahydrofuran	5.15	42	76219	106.279	ug/l	99
30) Chloroform	5.22	83	41319	20.225	ug/l	85
31) Cyclohexane	5.57	56	37169	20.220	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	35814	21.017	ug/l	98
36) 1,1-Dichloropropene	5.81	75	31473	21.087	ug/l	98
37) Ethyl Acetate	4.85	43	41373	21.080	ug/l	99
38) Carbon Tetrachloride	5.78	117	30775	20.597	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110718\
 Data File : VX005833.D
 Acq On : 07 Nov 2018 17:44
 Operator : JC/MD
 Sample : VX1107WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1107WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 10:35:51 AM

Quant Time: Nov 08 08:01:38 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	31287	20.683	ug/l	97
40) Benzene	6.15	78	94043	21.614	ug/l	97
41) Methacrylonitrile	5.06	41	21739	20.498	ug/l	97
42) 1,2-Dichloroethane	6.20	62	33056	21.211	ug/l	99
43) Isopropyl Acetate	6.46	43	58643	20.620	ug/l	100
44) Trichloroethene	7.21	130	22175	20.069	ug/l	99
45) 1,2-Dichloropropane	7.51	63	21154	20.031	ug/l	89
46) Dibromomethane	7.66	93	13602	20.525	ug/l	99
47) Bromodichloromethane	7.90	83	26225	20.940	ug/l	97
48) Methyl methacrylate	7.77	41	27030	21.167	ug/l	97
49) 1,4-Dioxane	7.75	88	11692	424.897	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	187808	104.782	ug/l	98
52) Toluene	8.79	92	48562	19.970	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	27819	18.823	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	31016	20.590	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	20262	18.696	ug/l	98
56) Ethyl methacrylate	9.18	69	29753	18.348	ug/l	98
57) 1,3-Dichloropropane	9.37	76	34447	18.914	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	91520	108.424	ug/l	97
59) 2-Hexanone	9.49	43	145750	92.253	ug/l	98
60) Dibromochloromethane	9.59	129	21101	18.016	ug/l	99
61) 1,2-Dibromoethane	9.67	107	20730	17.298	ug/l	99
64) Tetrachloroethene	9.34	164	22585	19.743	ug/l	99
65) Chlorobenzene	10.14	112	55025	20.442	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	19717	21.070	ug/l	100
67) Ethyl Benzene	10.25	91	91785	21.265	ug/l	99
68) m/p-Xylenes	10.36	106	71250	43.276	ug/l	100
69) o-Xylene	10.70	106	33572	22.740	ug/l	100
70) Styrene	10.71	104	55846	22.931	ug/l	98
71) Bromoform	10.86	173	16969	21.631	ug/l #	99
73) Isopropylbenzene	11.02	105	93421	21.930	ug/l	100
74) N-amyl acetate	10.90	43	45054	19.628	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	32418	20.733	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	31676m	21.118	ug/l	
77) Bromobenzene	11.26	156	24784	20.641	ug/l	99
78) n-propylbenzene	11.36	91	107459	21.404	ug/l	99
79) 2-Chlorotoluene	11.42	91	64661	21.308	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	78885	21.791	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	9507	20.201	ug/l	96
82) 4-Chlorotoluene	11.51	91	76983	21.526	ug/l	99
83) tert-Butylbenzene	11.77	119	76320	20.839	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	81895	20.428	ug/l	99
85) sec-Butylbenzene	11.94	105	94594	21.122	ug/l	100
86) p-Isopropyltoluene	12.07	119	83952	21.163	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	45837	19.892	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	46630	19.767	ug/l	98
89) n-Butylbenzene	12.39	91	73797	20.072	ug/l	99
90) Hexachloroethane	12.60	117	13224	19.967	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	46004	19.929	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	8076	21.166	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110718\
Data File : VX005833.D
Acq On : 07 Nov 2018 17:44
Operator : JC/MD
Sample : VX1107WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBSD01

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:51 AM

Quant Time: Nov 08 08:01:38 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	32746	20.150	ug/l	99
94) Hexachlorobutadiene	13.79	225	16775	19.651	ug/l	98
95) Naphthalene	13.83	128	101071	19.799	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	34432	20.797	ug/l	99

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

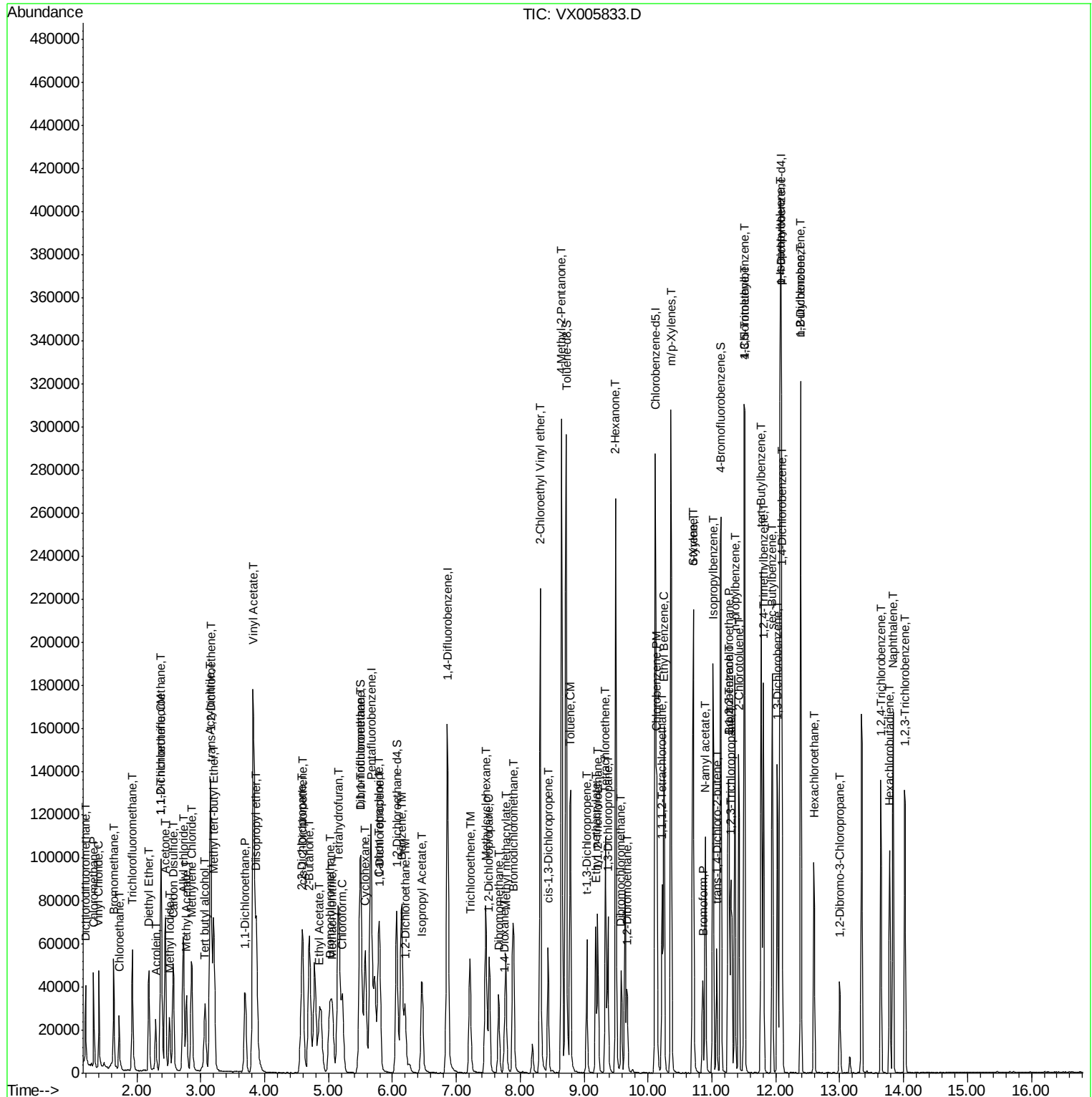
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110718\
Data File : VX005833.D
Acq On : 07 Nov 2018 17:44
Operator : JC/MD
Sample : VX1107WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

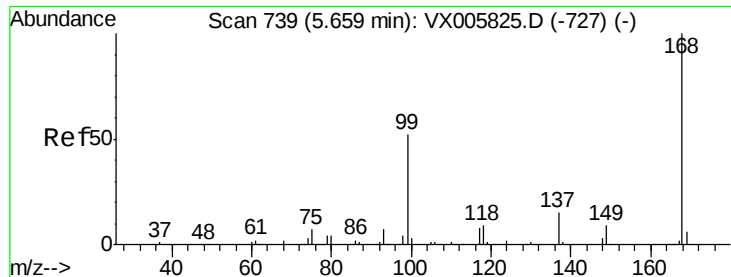
Instrument :
MSVOA_X
Client Sampled :
VX1107WBSD01

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:51 AM

Quant Time: Nov 08 08:01:38 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: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBSD01

Tot Ion:168 Resp: 114776

Ion Ratio Lower Upper

168 100

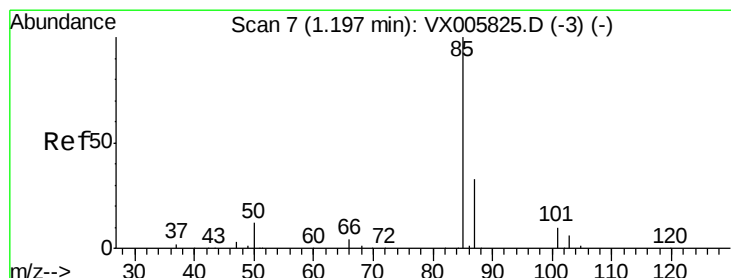
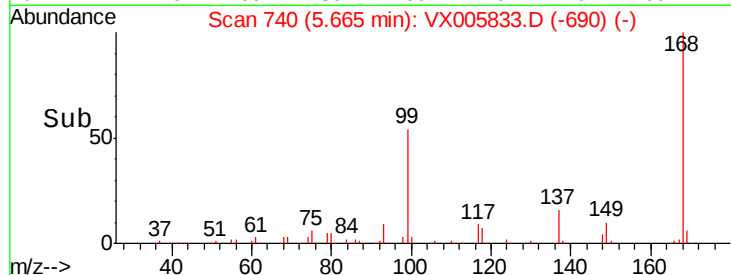
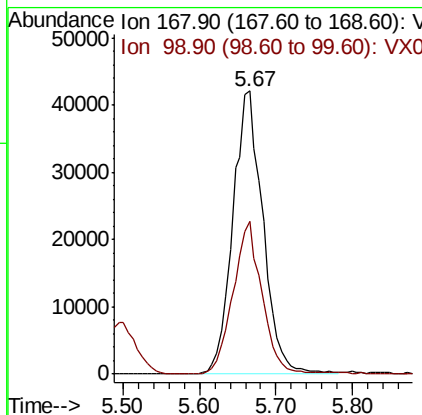
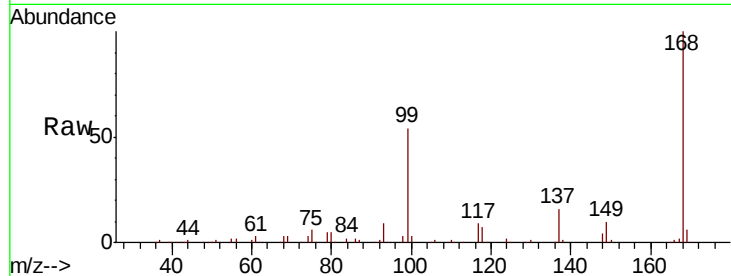
99 54.1 40.7 61.1

Manual Integrations

APPROVED

MMDadoda

11/8/2018 10:35:51 AM



#2

Dichlorodifluoromethane

Concen: 20.561 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005833.D

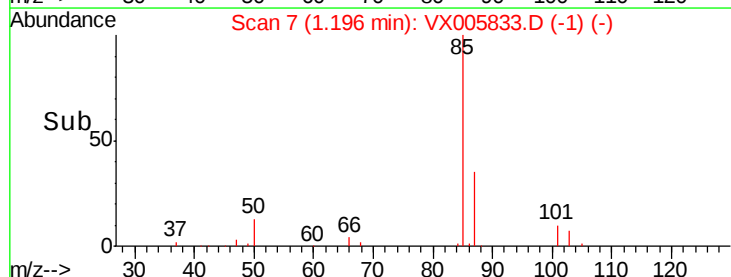
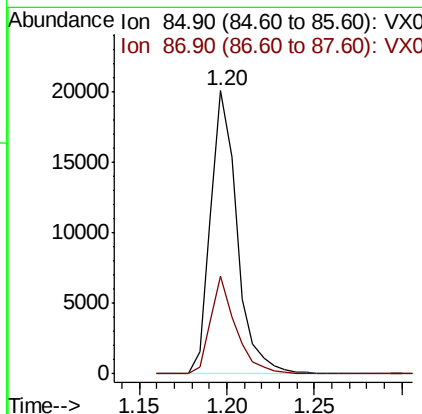
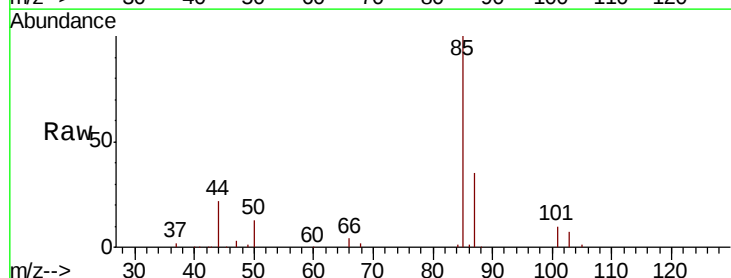
Acq: 07 Nov 2018 17:44

Tgt Ion: 85 Resp: 21277

Ion Ratio Lower Upper

85 100

87 34.6 16.3 48.9





#3

Chloromethane

Concen: 20.891 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBSD01

Tot Ion: 50 Resp: 28372

Ion Ratio Lower Upper

50 100

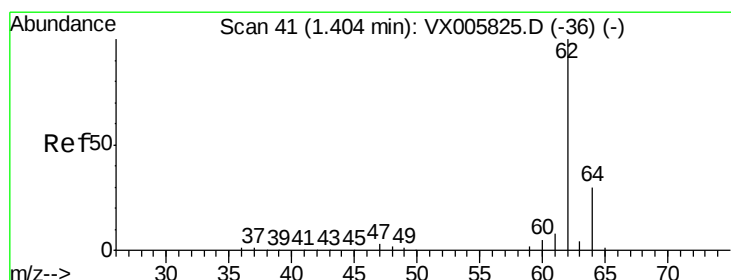
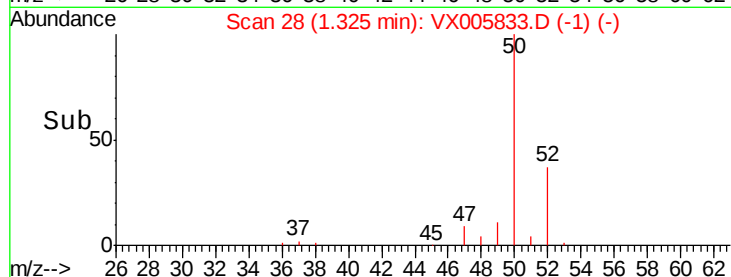
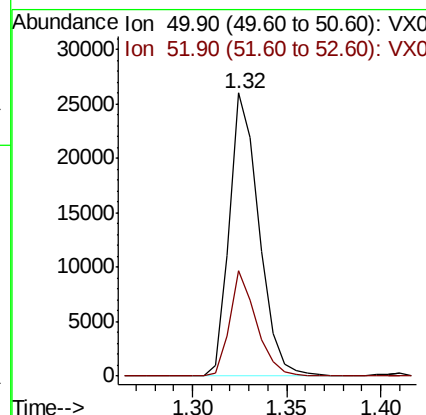
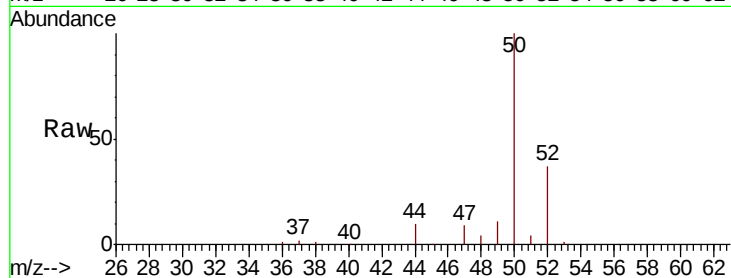
52 37.3 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

11/8/2018 10:35:51 AM



#4

Vinyl Chloride

Concen: 19.811 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005833.D

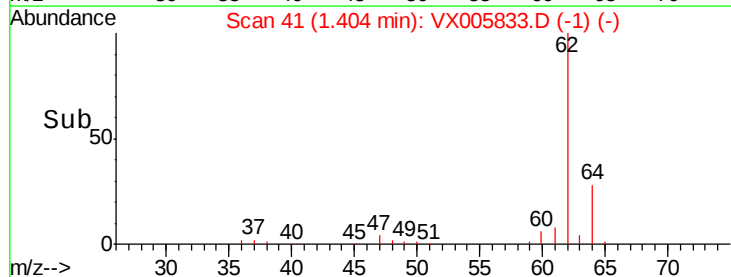
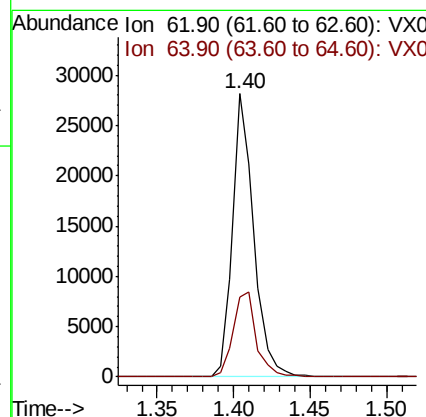
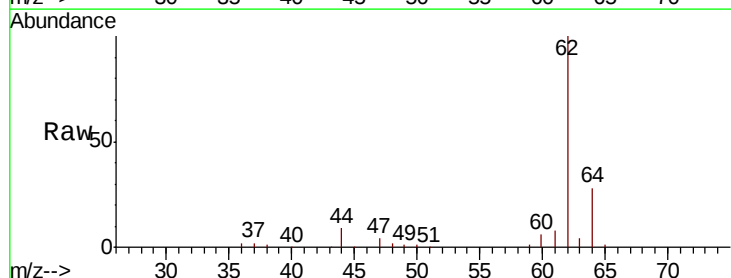
Acq: 07 Nov 2018 17:44

Tgt Ion: 62 Resp: 27010

Ion Ratio Lower Upper

62 100

64 28.4 25.3 37.9





#5

Bromomethane

Concen: 19.824 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBSD01

Tot Ion: 94 Resp: 16540

Ion Ratio Lower Upper

94 100

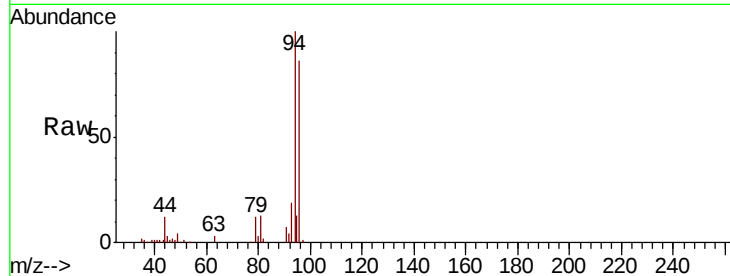
96 85.8 75.2 112.8

Manual Integrations

APPROVED

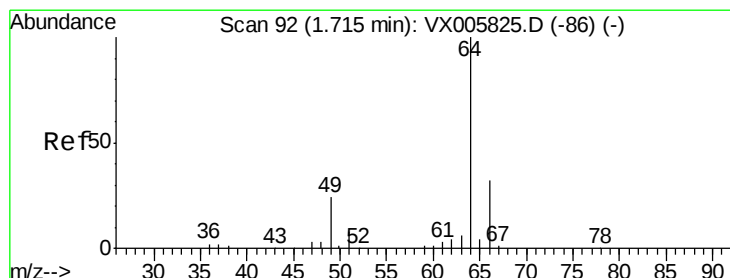
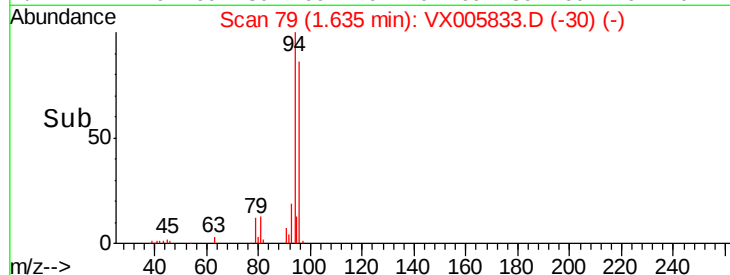
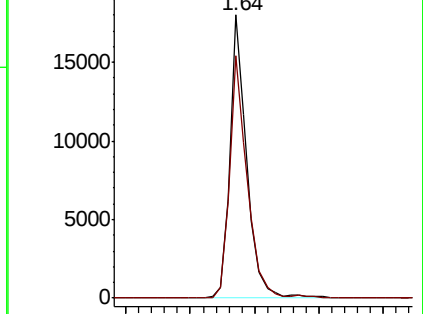
MMDadoda

11/8/2018 10:35:51 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.719 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005833.D

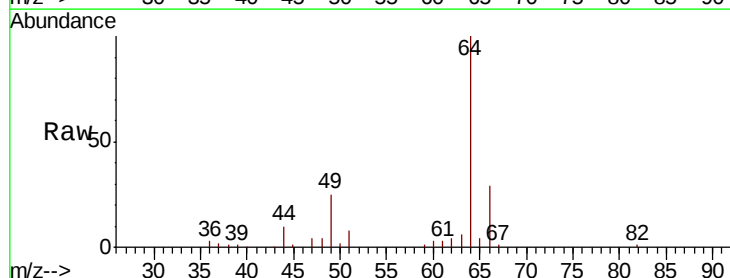
Acq: 07 Nov 2018 17:44

Tgt Ion: 64 Resp: 16855

Ion Ratio Lower Upper

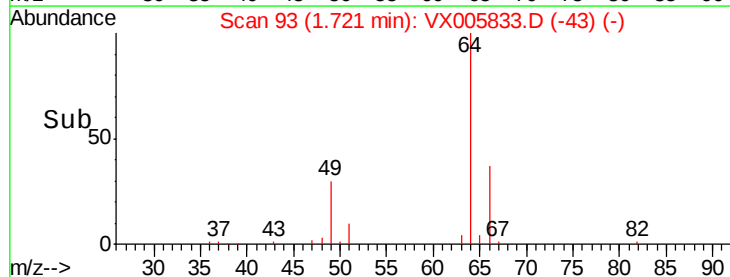
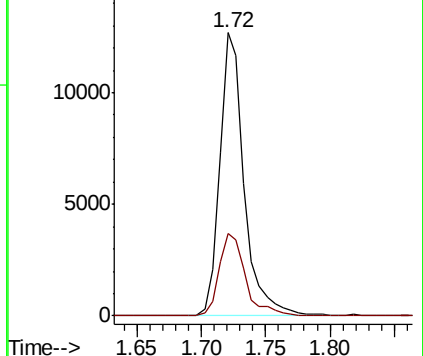
64 100

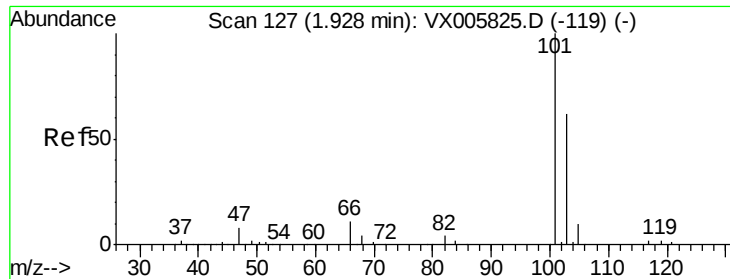
66 29.3 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

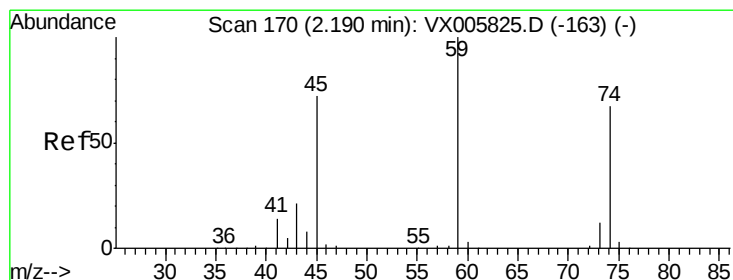
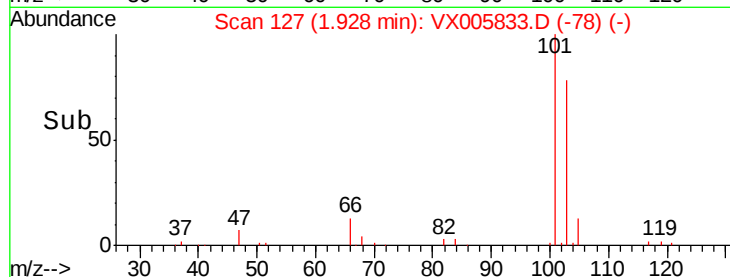
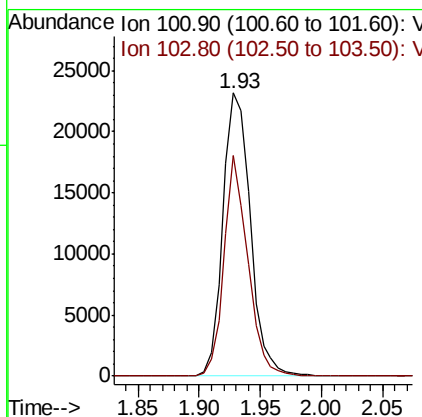
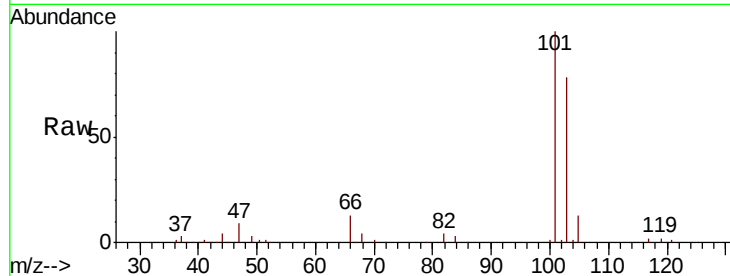
Trichlorofluoromethane
Concen: 19.991 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBSD01

Tot Ion:101 Resp: 36179
Ion Ratio Lower Upper
101 100
103 77.8 50.0 75.0#

Manual Integrations
APPROVED

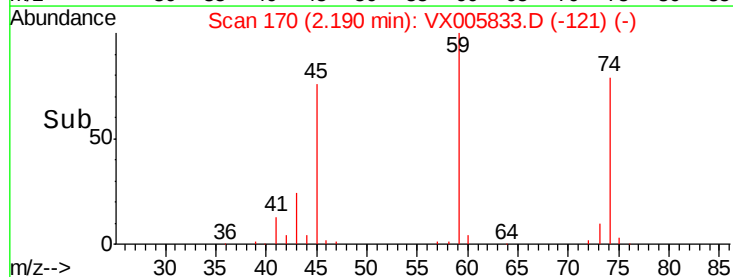
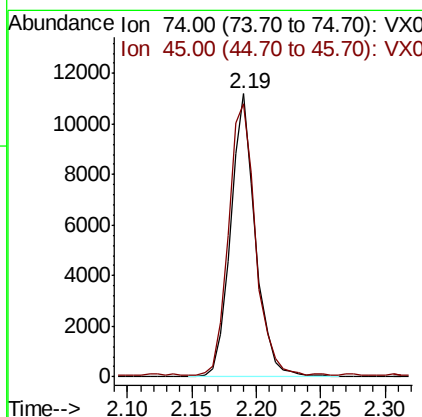
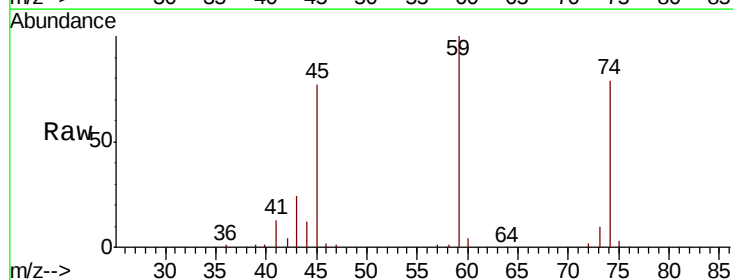
MMDadoda
11/8/2018 10:35:51 AM

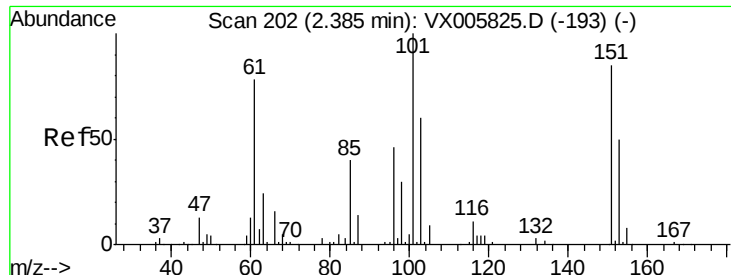


#8

Diethyl Ether
Concen: 21.236 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Tgt Ion: 74 Resp: 15059
Ion Ratio Lower Upper
74 100
45 105.3 54.1 162.3





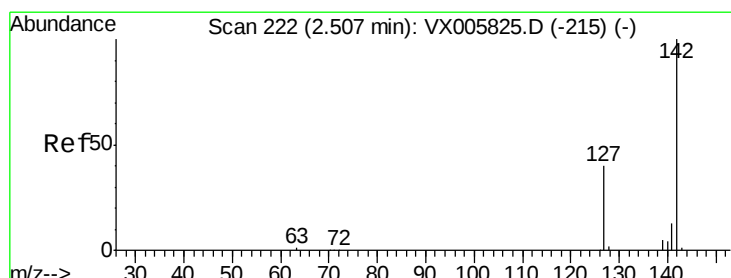
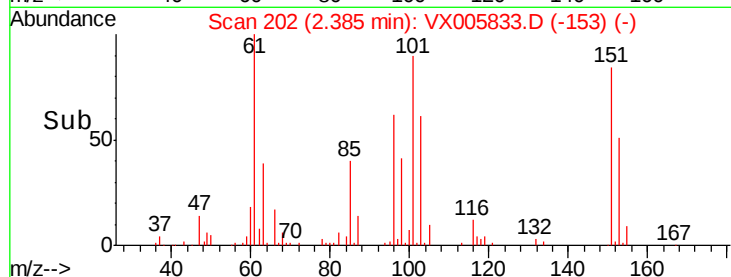
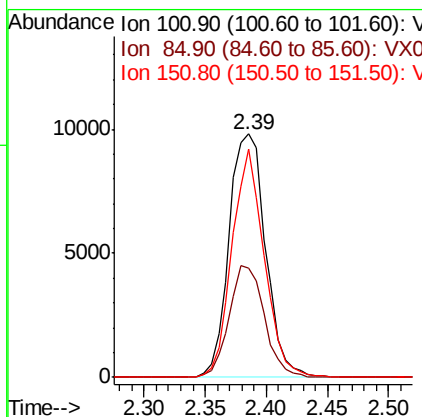
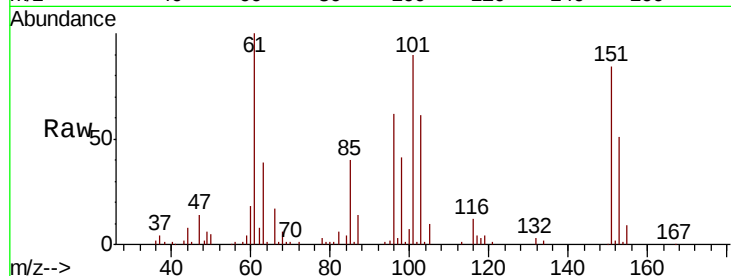
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.491 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	20287		
85	44.1		35.0	52.4
151	82.7		66.2	99.2

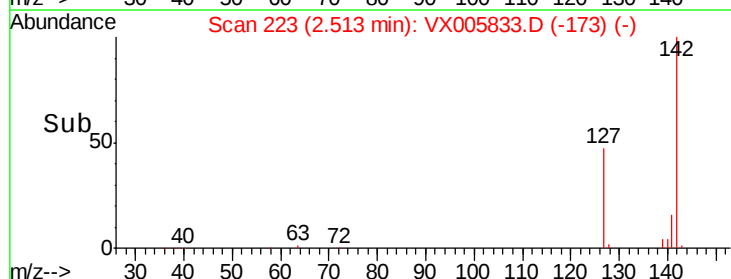
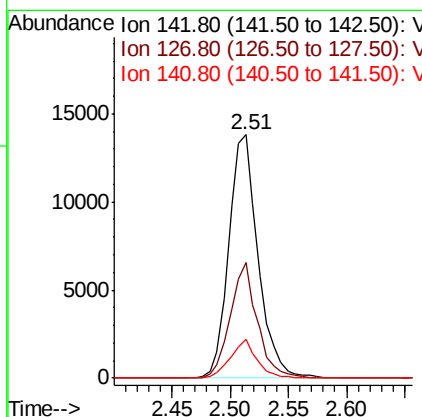
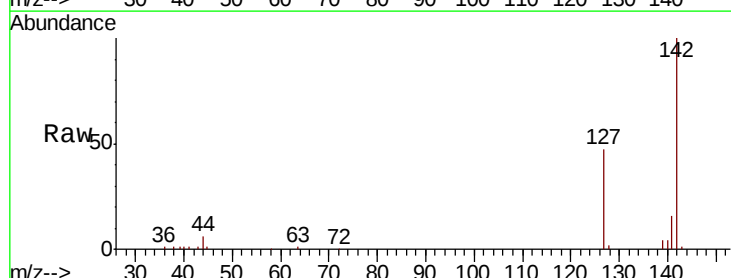
Manual Integrations
 APPROVED

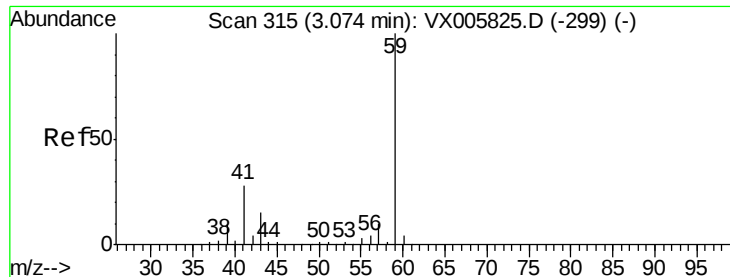
MMDadoda
 11/8/2018 10:35:51 AM



#10
 Methyl Iodide
 Concen: 19.123 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	24123		
127	43.8		36.0	54.0
141	14.2		11.7	17.5





#11

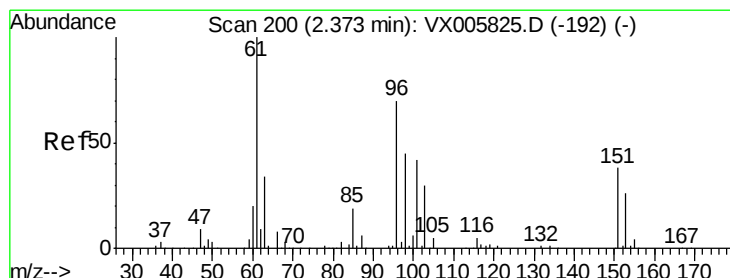
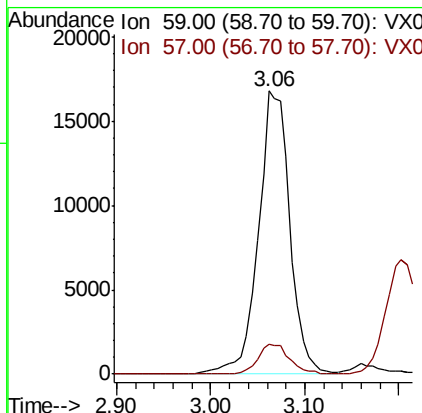
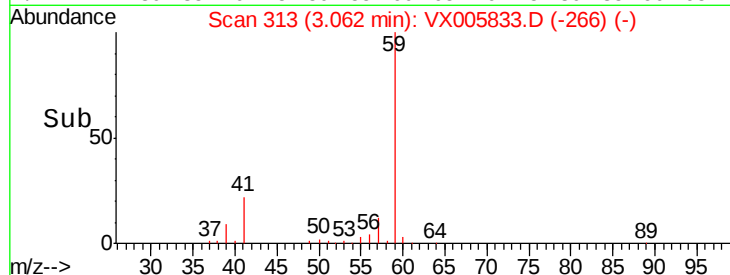
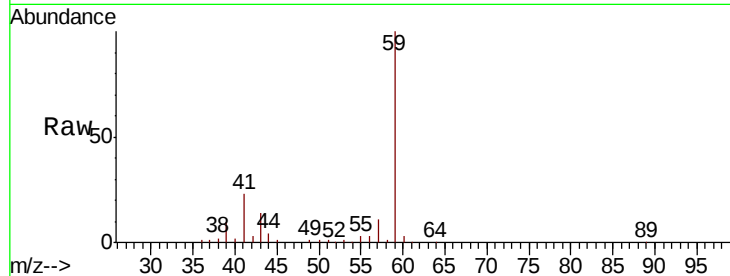
Tert butyl alcohol
Concen: 104.214 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBSD01

Tot Ion	59	57	Ratio	100	10.5	Resp	39392	Lower	Upper
59	100								
57		10.5						8.5	12.7

Manual Integrations
APPROVED

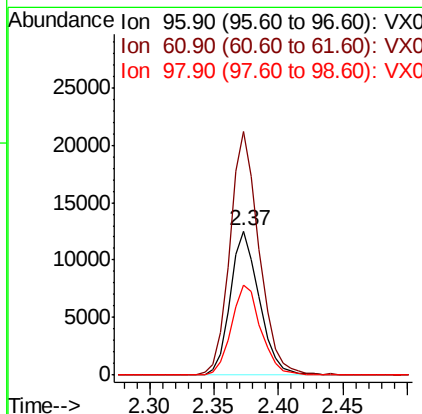
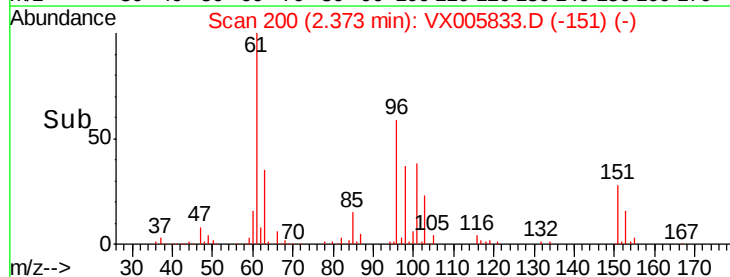
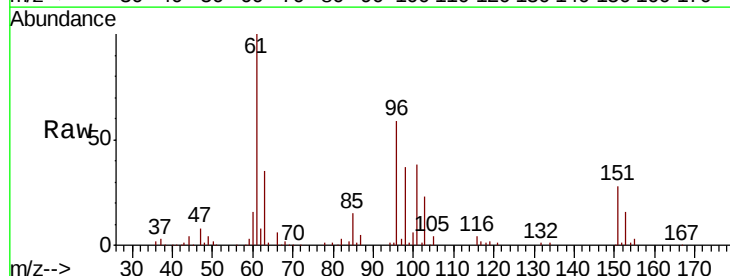
MMDadoda
11/8/2018 10:35:51 AM

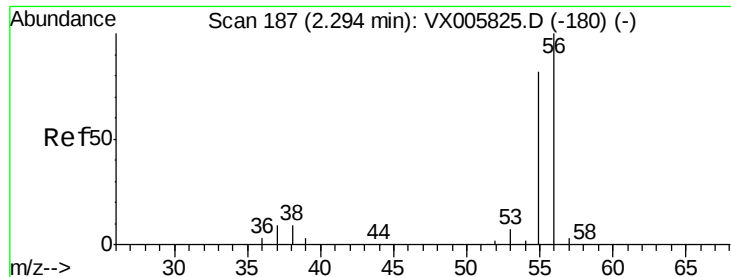


#12

1,1-Dichloroethene
Concen: 19.418 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Tgt Ion	96	61	98	Ratio	100	169.2	62.2	Resp	19699	Lower	Upper
96	100										
61		169.2								131.8	197.8
98		62.2								53.4	80.2





#13

Acrolein

Concen: 107.184 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBSD01

Tot Ion: 56 Resp: 17181

Ion Ratio Lower Upper

56 100

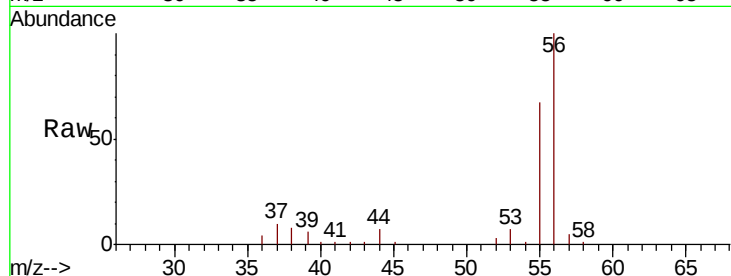
55 71.9 57.3 85.9

Manual Integrations

APPROVED

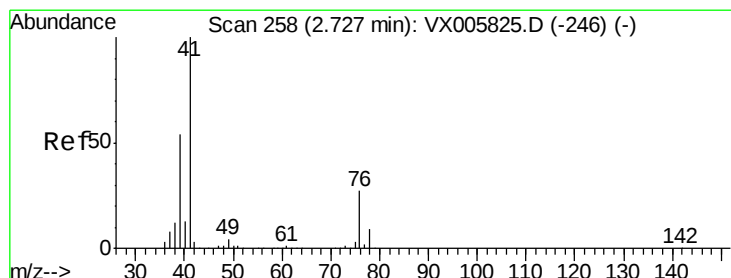
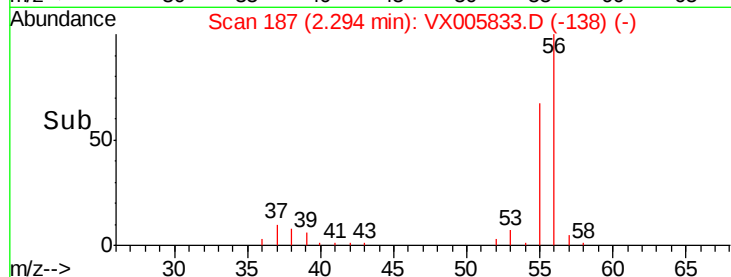
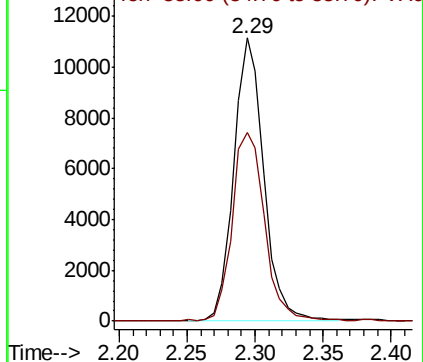
MMDadoda

11/8/2018 10:35:51 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.270 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

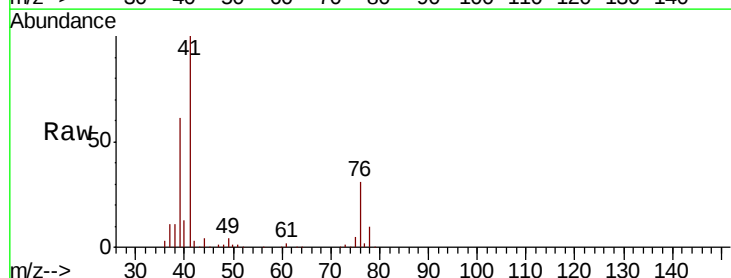
Tgt Ion: 41 Resp: 45928

Ion Ratio Lower Upper

41 100

39 58.0 48.2 72.4

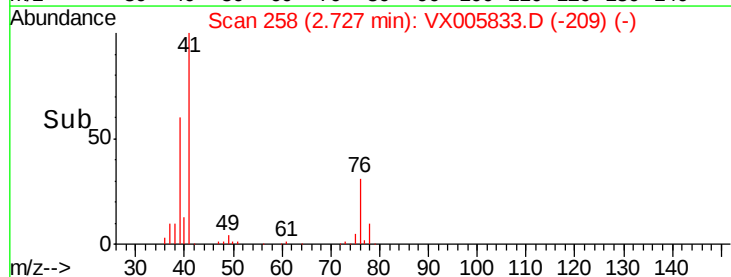
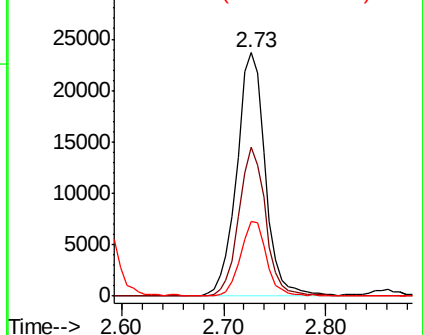
76 28.0 21.9 32.9

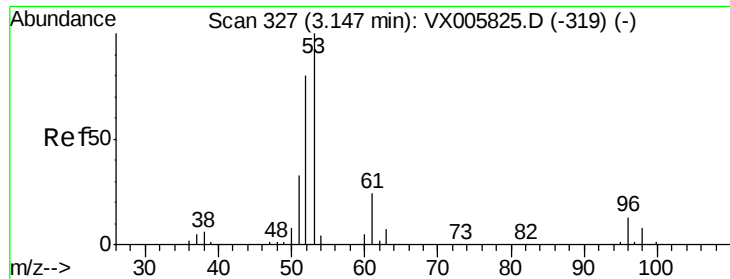


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 106.251 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

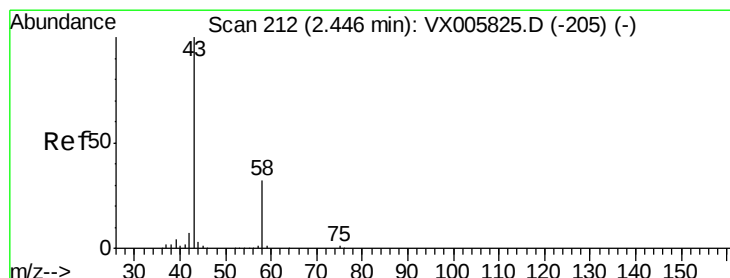
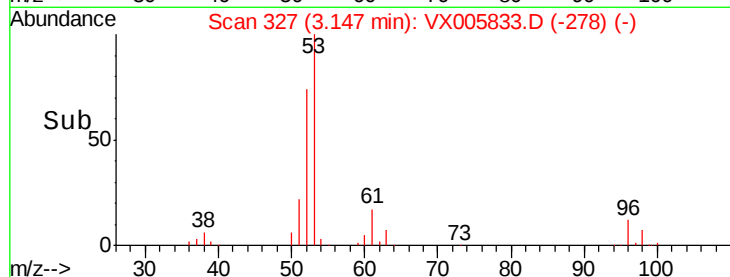
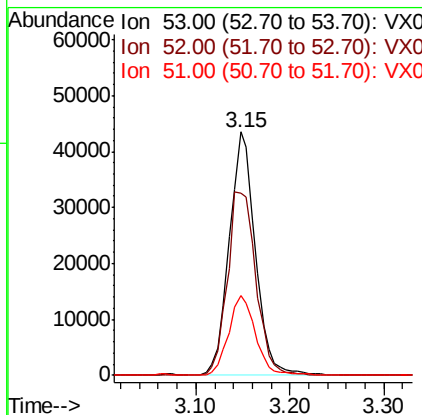
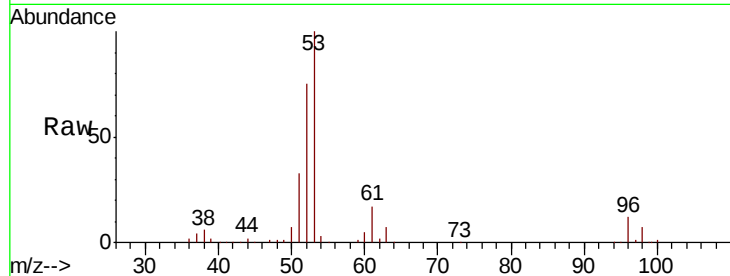
ClientSampleId :

VX1107WBSD01

Tot Ion:	53	Resp:	83231
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.6	99.8
51	34.4	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:51 AM



#16

Acetone

Concen: 107.967 ug/l

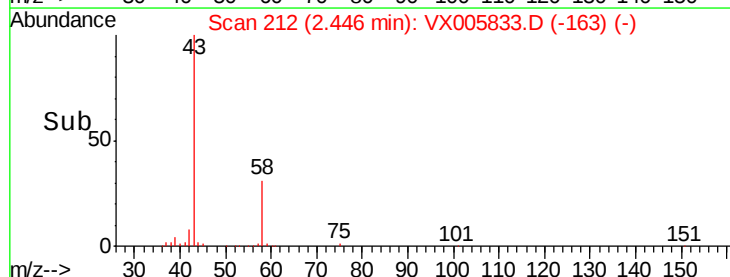
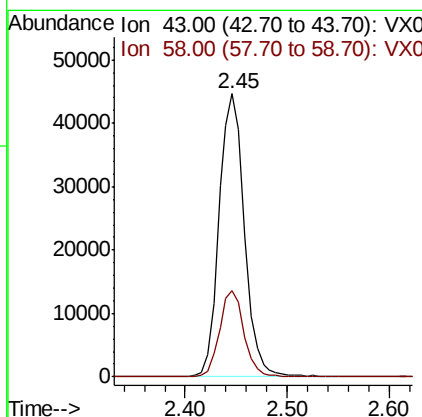
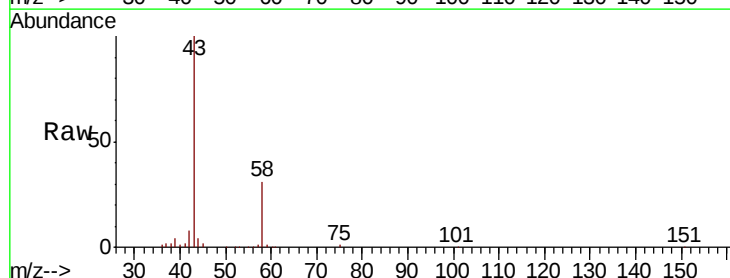
RT: 2.45 min Scan# 212

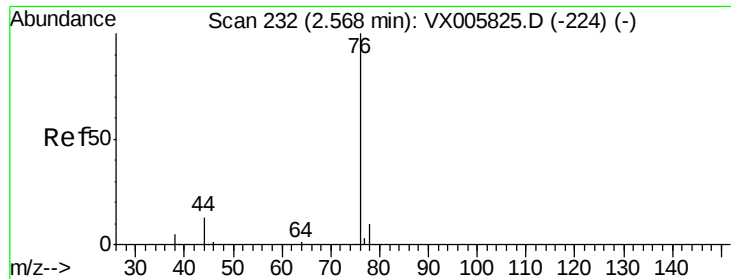
Delta R.T. -0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Tgt Ion:	43	Resp:	76705
Ion Ratio	Lower	Upper	
43	100		
58	30.7	23.8	35.6





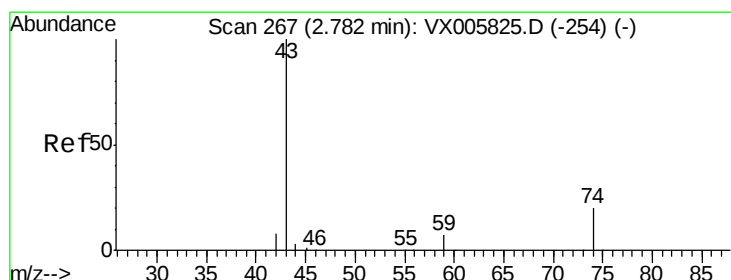
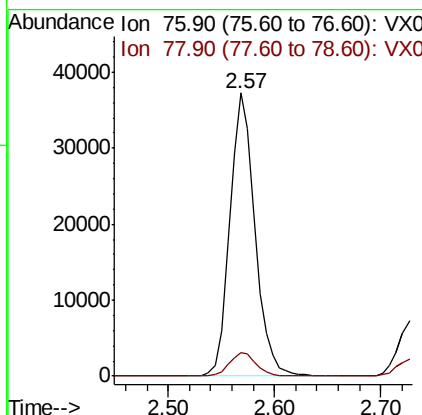
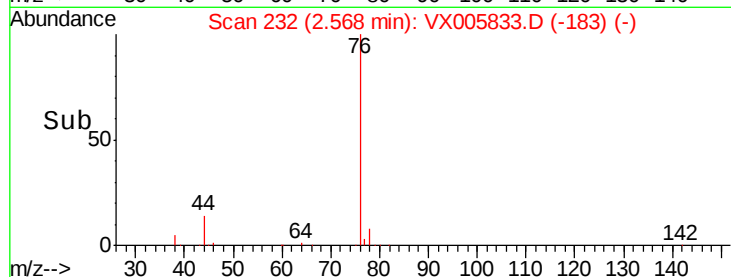
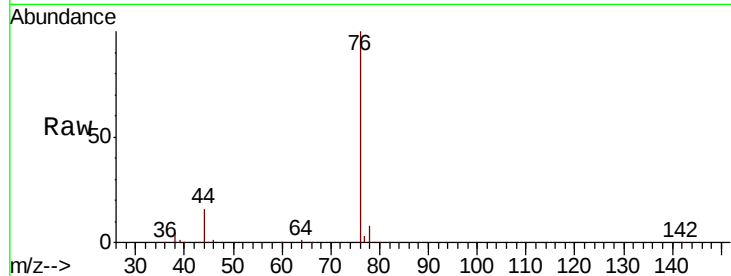
#17
Carbon Disulfide
Concen: 20.363 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.3	10.9

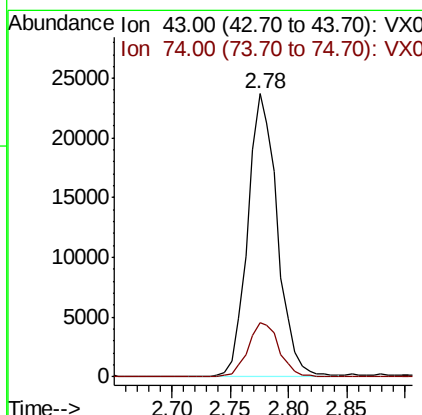
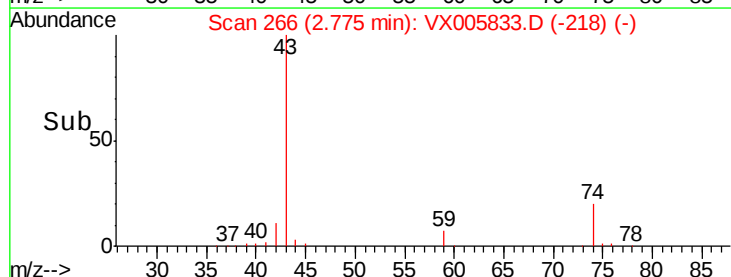
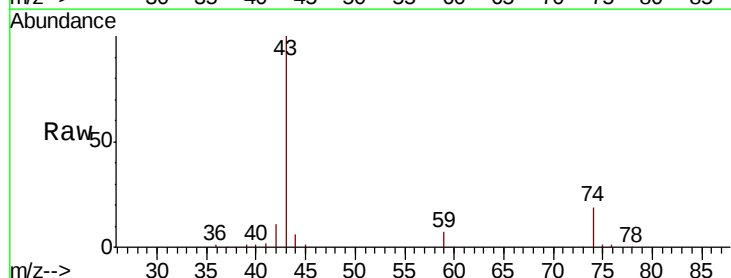
Manual Integrations
APPROVED

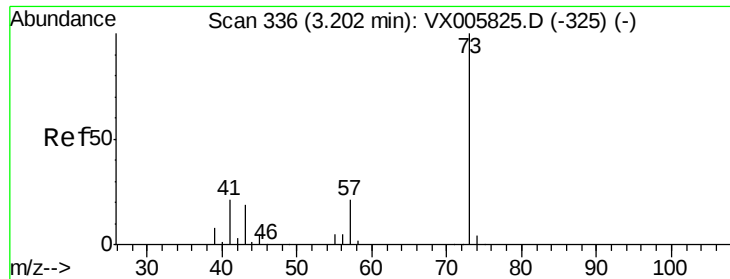
MMDadoda
11/8/2018 10:35:51 AM



#18
Methyl Acetate
Concen: 21.130 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	16.8	25.2





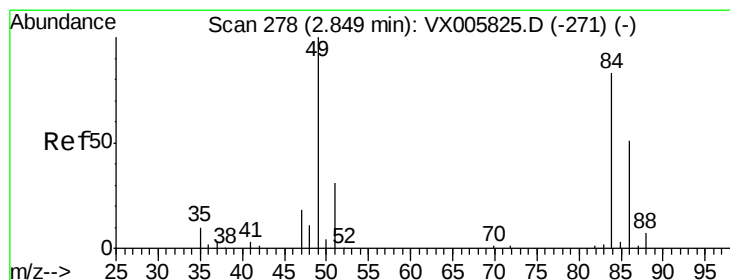
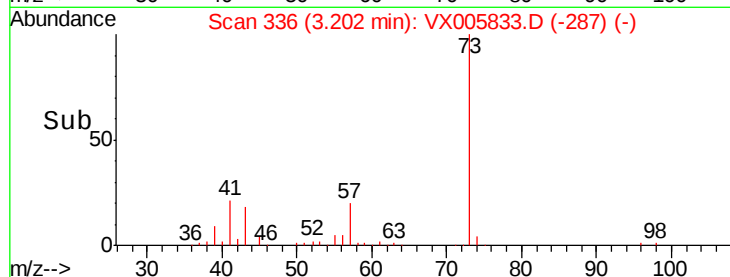
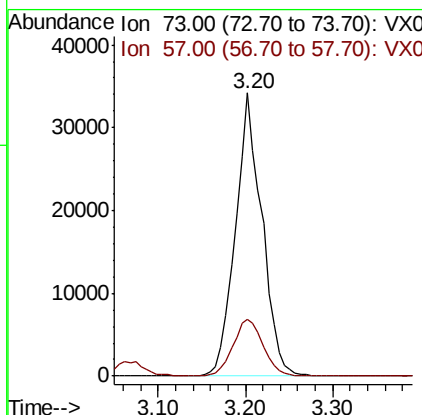
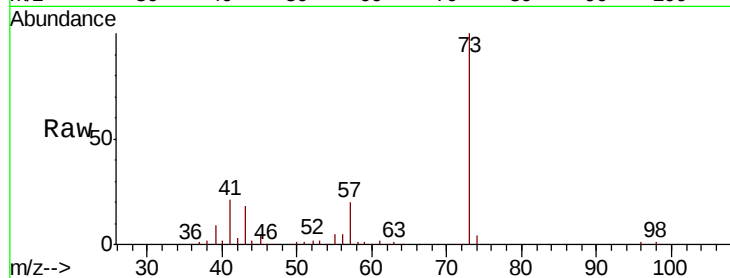
#19
Methyl tert-butyl Ether
Concen: 20.800 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBSD01

Tot Ion: 73 Resp: 72022
Ion Ratio Lower Upper
73 100
57 19.9 18.8 28.2

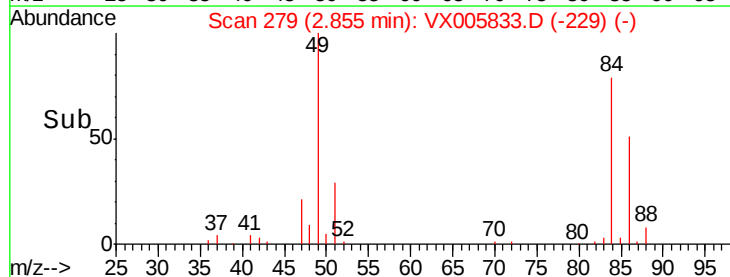
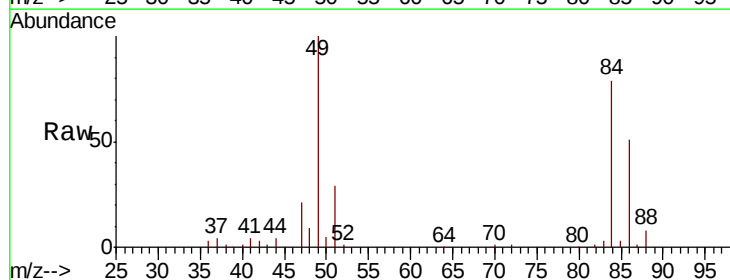
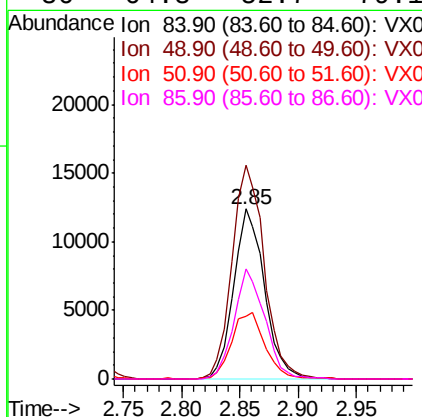
Manual Integrations
APPROVED

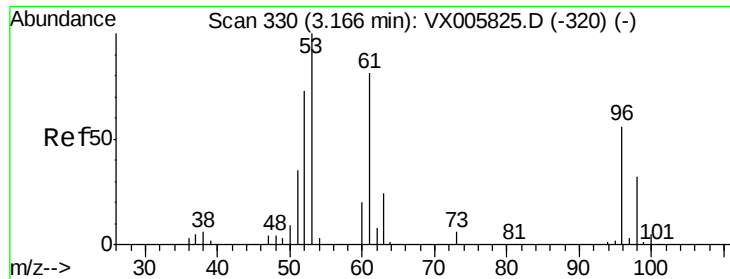
MMDadoda
11/8/2018 10:35:51 AM



#20
Methylene Chloride
Concen: 19.649 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Tgt Ion: 84 Resp: 22931
Ion Ratio Lower Upper
84 100
49 125.9 109.5 164.3
51 37.1 33.3 49.9
86 64.8 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 19.769 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBSD01

Tot Ion: 96 Resp: 21153

Ion Ratio Lower Upper

96 100

61 134.1 115.6 173.4

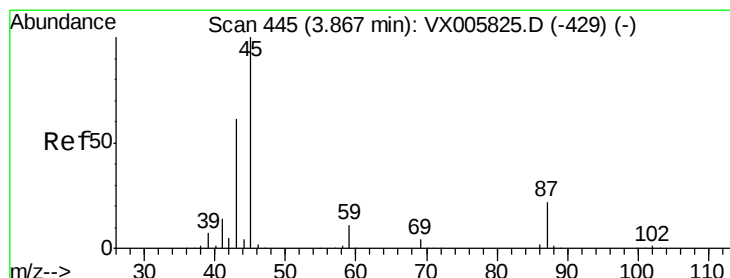
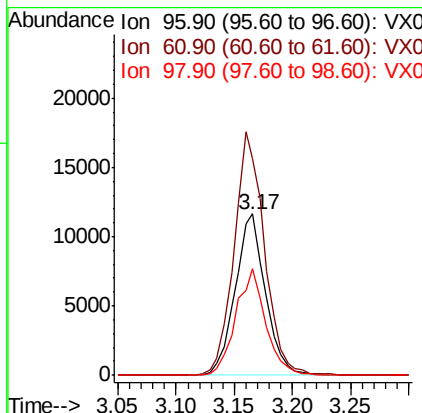
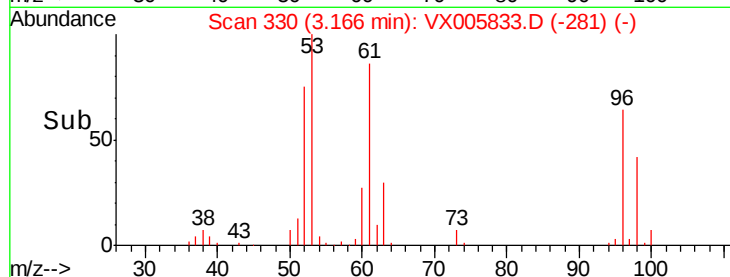
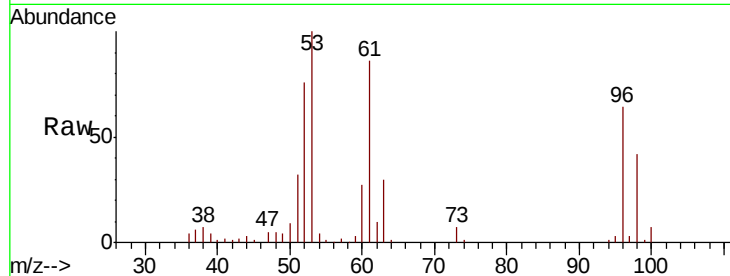
98 65.8 50.2 75.2

Manual Integrations

APPROVED

MMDadoda

11/8/2018 10:35:51 AM



#22

Diisopropyl ether

Concen: 20.835 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Tgt Ion: 45 Resp: 82697

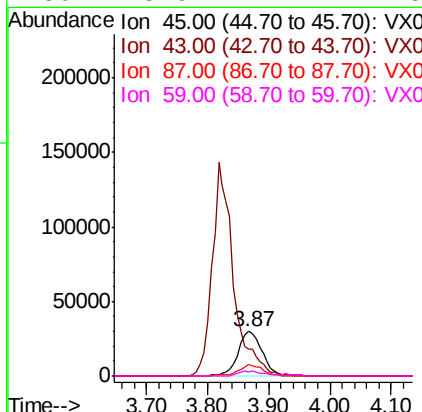
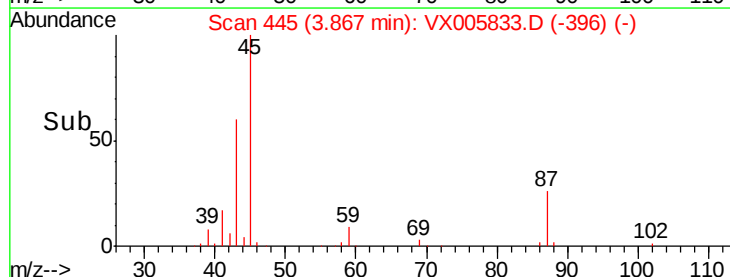
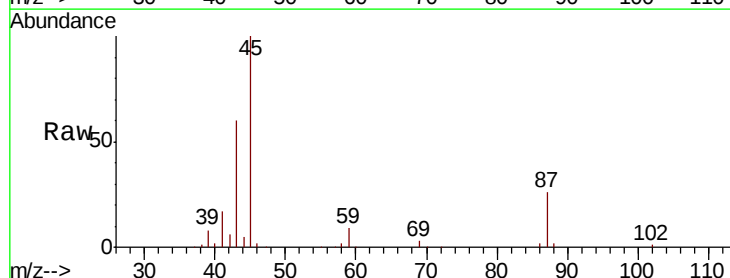
Ion Ratio Lower Upper

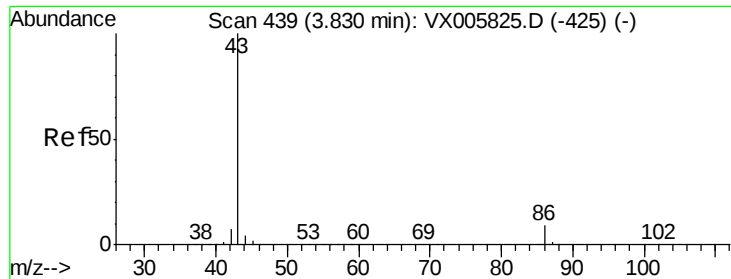
45 100

43 59.3 47.4 71.2

87 26.3 15.9 23.9#

59 8.9 7.7 11.5





#23

Vinyl Acetate

Concen: 103.867 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBSD01

Tot Ion: 43 Resp: 353481

Ion Ratio Lower Upper

43 100

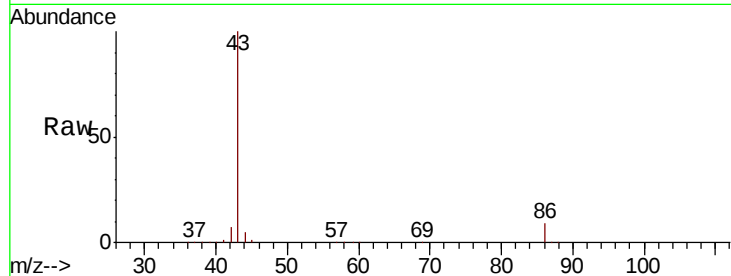
86 8.8 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

11/8/2018 10:35:51 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

150000

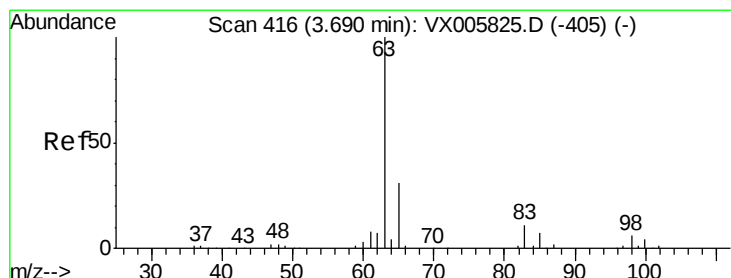
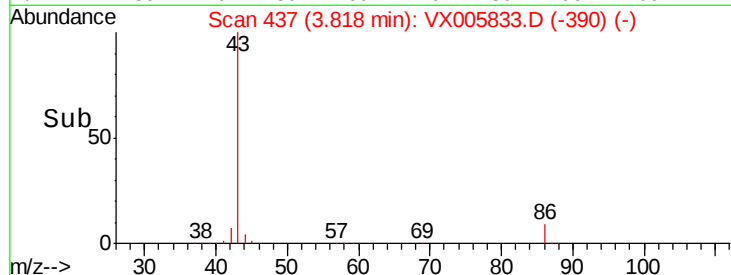
100000

50000

0

3.70 3.80 3.90 4.00 4.10

Time-->



#24

1,1-Dichloroethane

Concen: 20.161 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

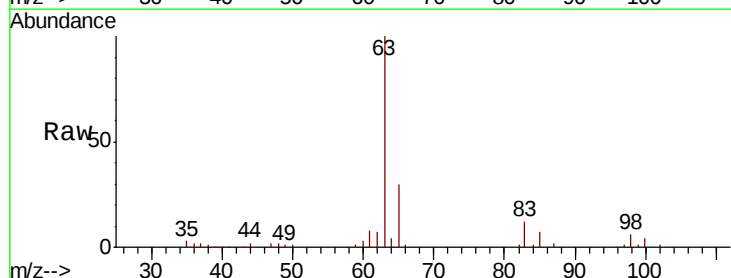
Tgt Ion: 63 Resp: 42692

Ion Ratio Lower Upper

63 100

98 5.9 3.2 9.6

100 3.7 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

25000

20000

15000

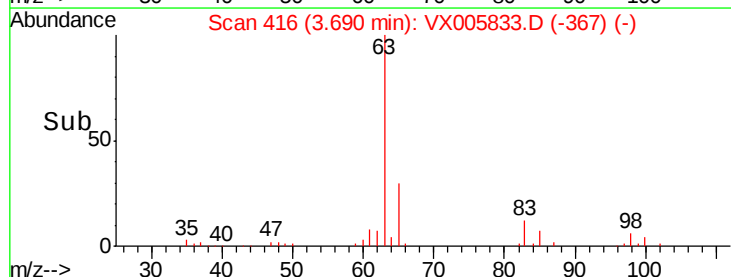
10000

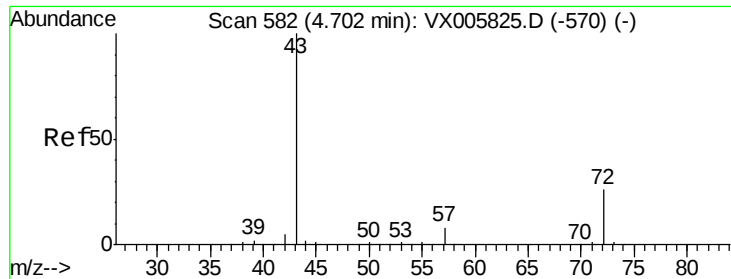
5000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 104.024 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBSD01

Tot Ion: 43 Resp: 116189

Ion Ratio Lower Upper

43 100

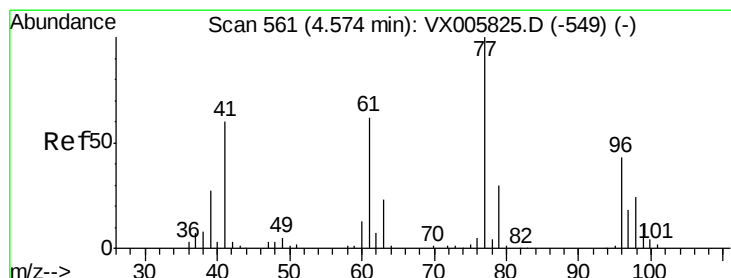
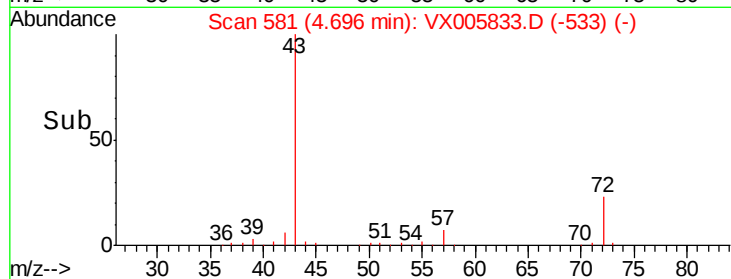
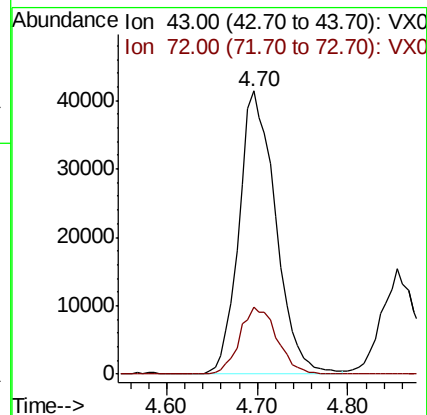
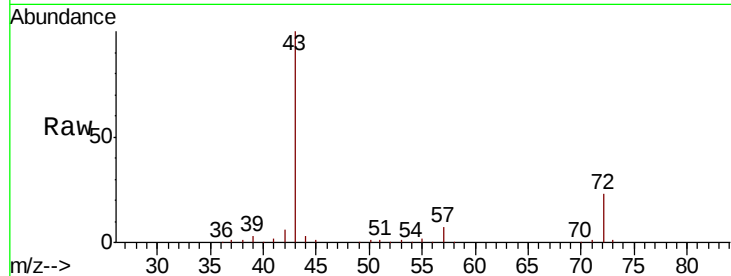
72 23.5 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

11/8/2018 10:35:51 AM



#26

2,2-Dichloropropane

Concen: 20.440 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX005833.D

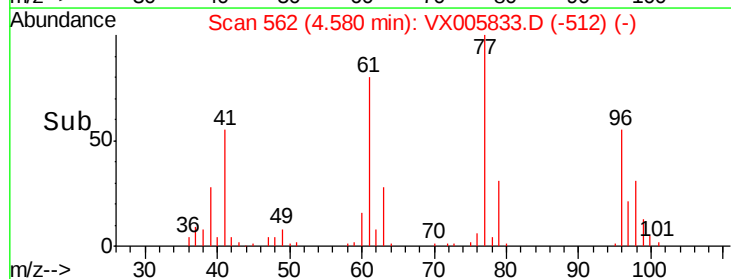
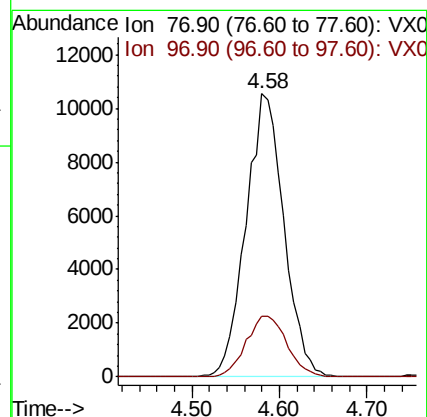
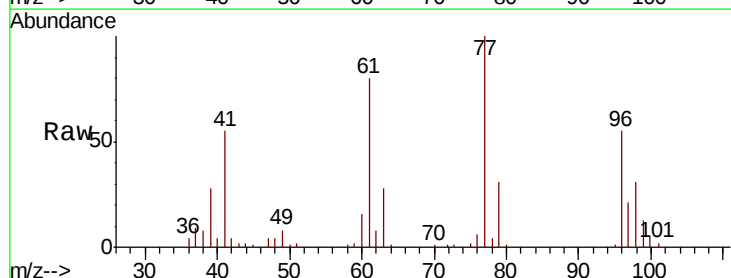
Acq: 07 Nov 2018 17:44

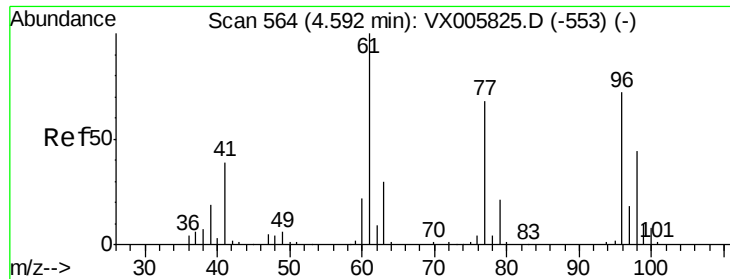
Tgt Ion: 77 Resp: 31751

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.5





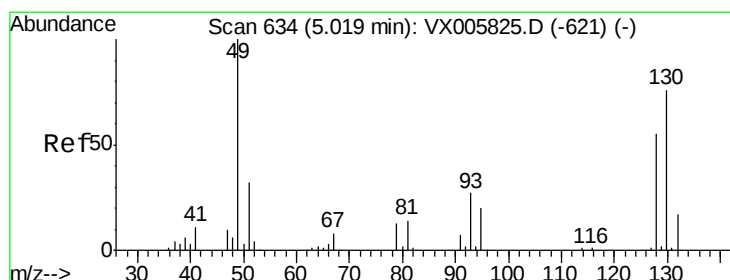
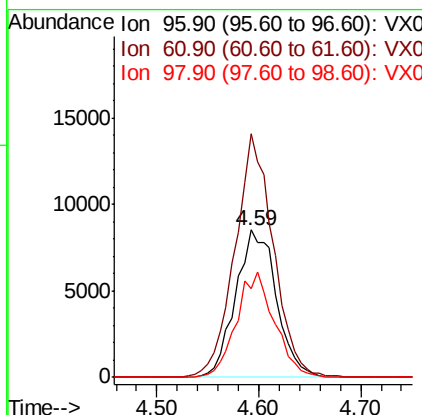
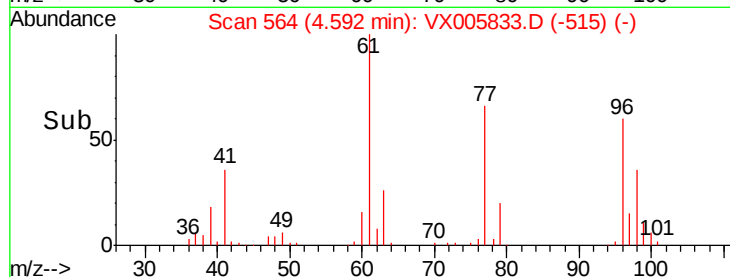
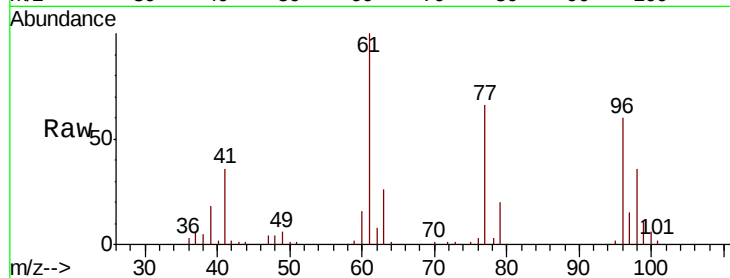
#27
 cis-1,2-Dichloroethene
 Concen: 20.044 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	23683		
61	156.0	0.0	304.6	
98	66.2	0.0	127.4	

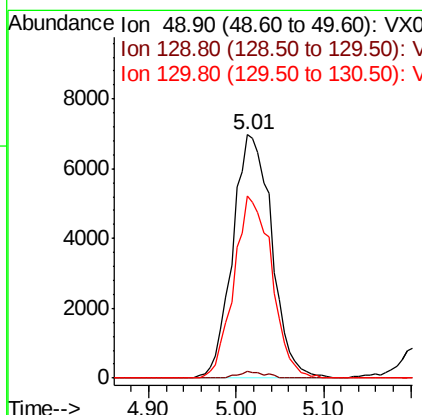
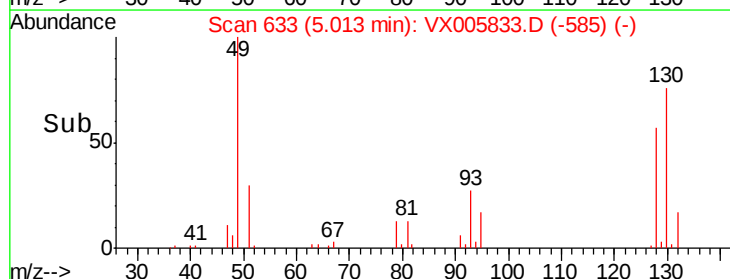
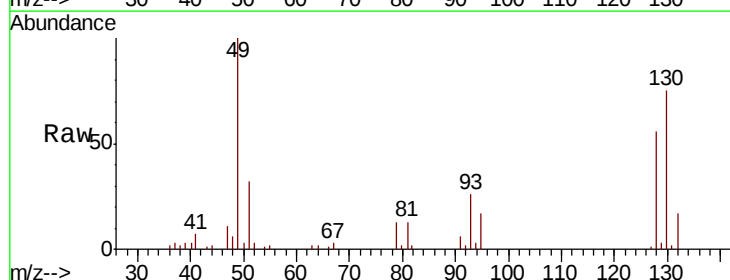
Manual Integrations
 APPROVED

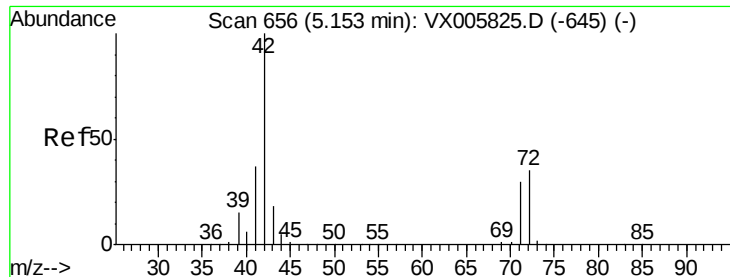
MMDadoda
 11/8/2018 10:35:51 AM



#28
 Bromochloromethane
 Concen: 22.922 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	21693		
129	1.8	0.0	4.0	
130	72.5	58.9	88.3	





#29

Tetrahydrofuran

Concen: 106.279 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

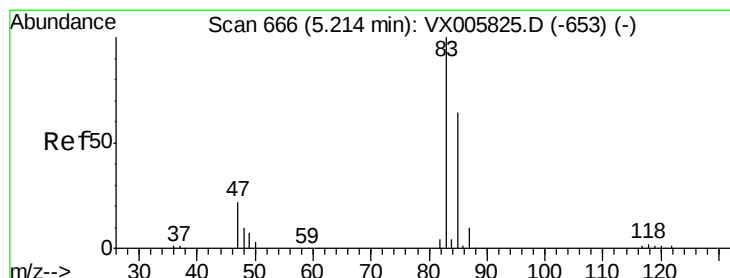
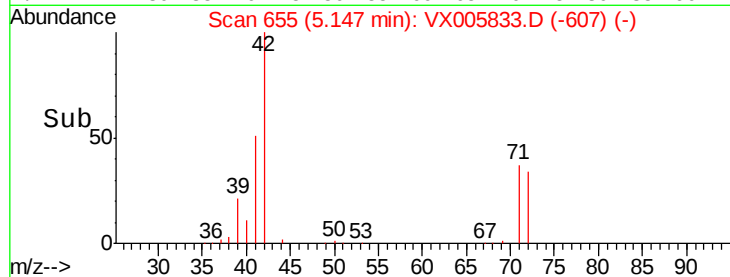
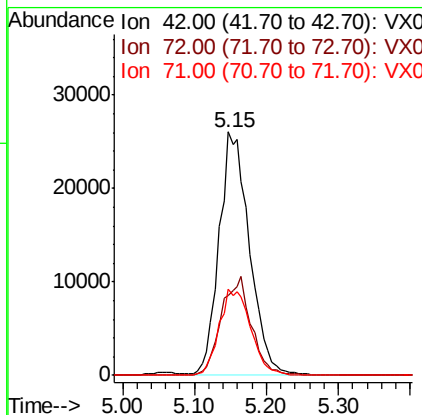
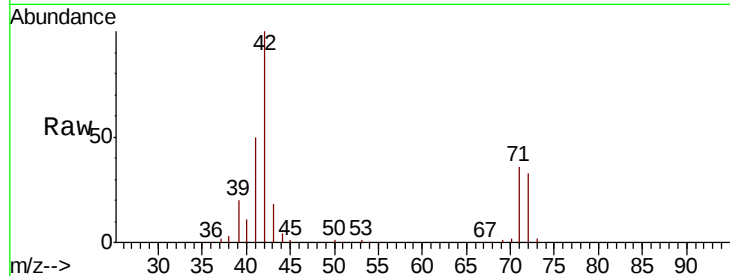
ClientSampleId :

VX1107WBSD01

Tot Ion:	42	Resp:	76219
Ion	Ratio	Lower	Upper
42	100		
72	39.8	32.0	48.0
71	36.7	29.8	44.8

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:51 AM



#30

Chloroform

Concen: 20.225 ug/l

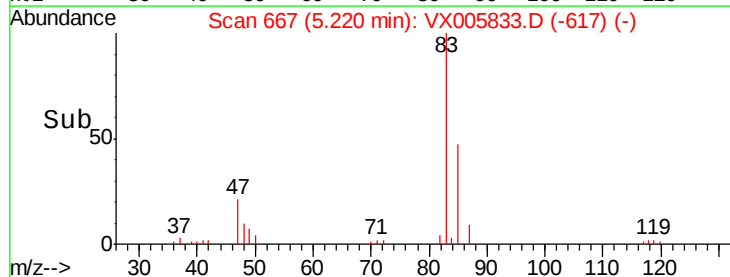
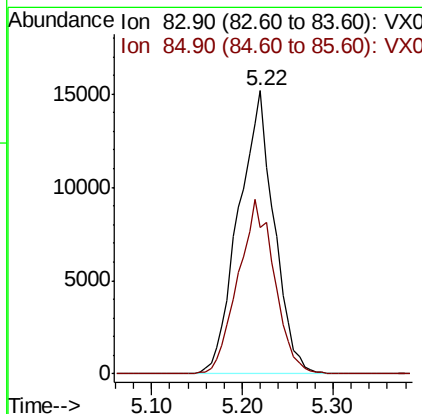
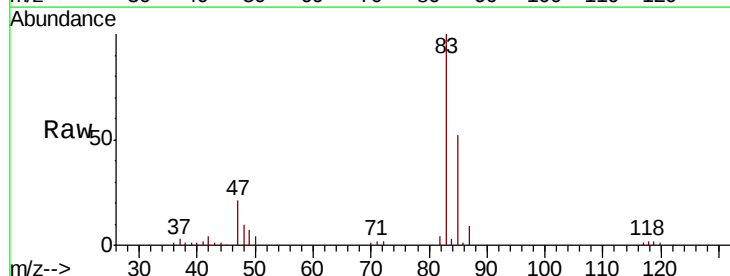
RT: 5.22 min Scan# 667

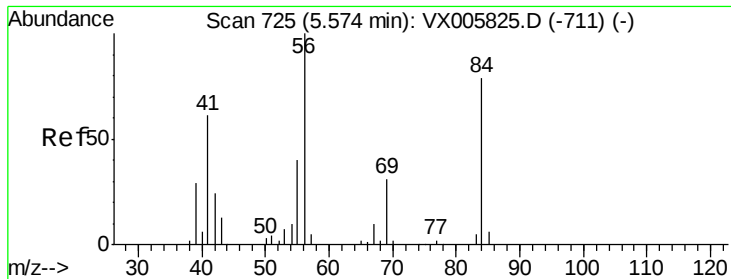
Delta R.T. 0.01 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Tgt Ion:	83	Resp:	41319
Ion	Ratio	Lower	Upper
83	100		
85	51.7	50.6	76.0





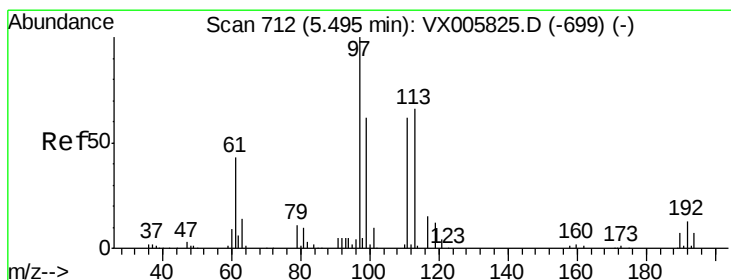
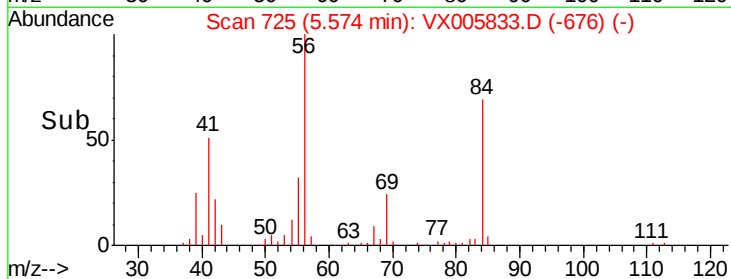
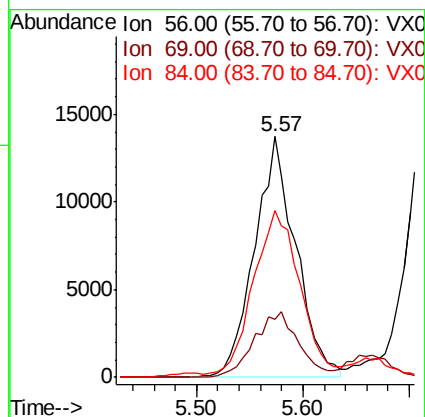
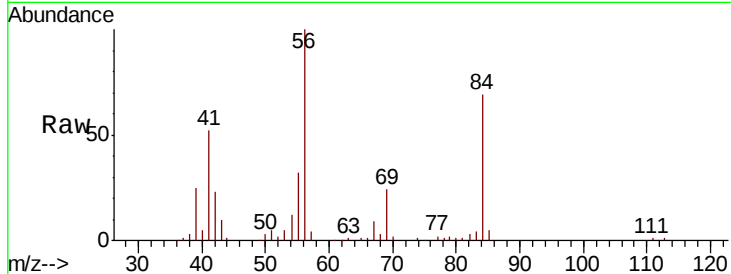
#31
Cyclohexane
Concen: 20.220 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	24.3	22.6	34.0
84	67.7	62.7	94.1

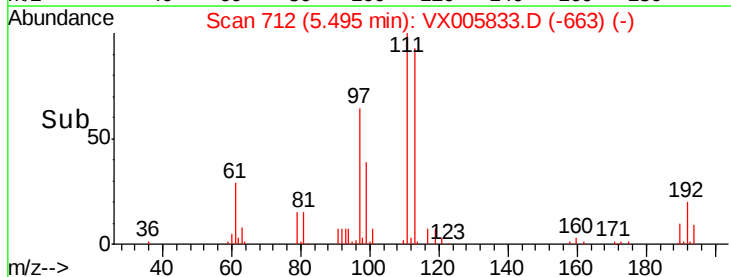
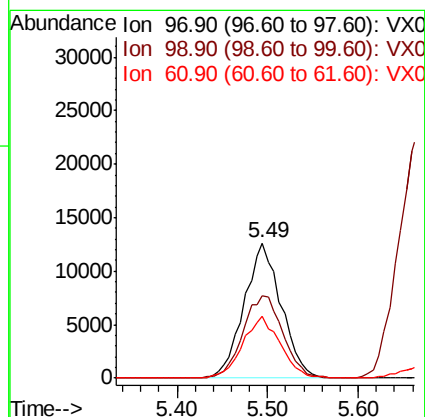
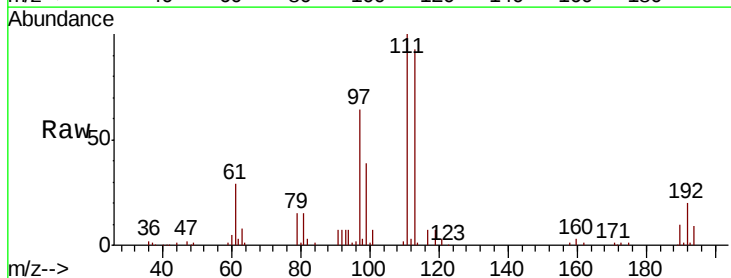
Manual Integrations
APPROVED

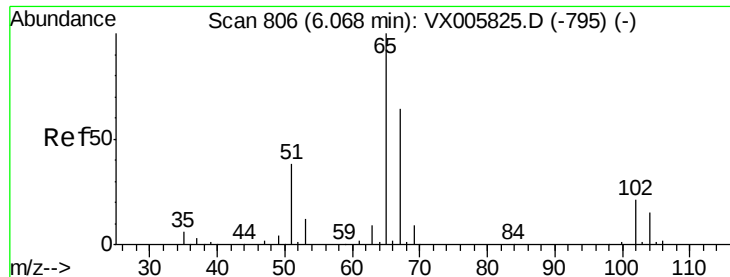
MMDadoda
11/8/2018 10:35:51 AM



#32
1,1,1-Trichloroethane
Concen: 21.017 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.3	78.5
61	46.2	35.2	52.8





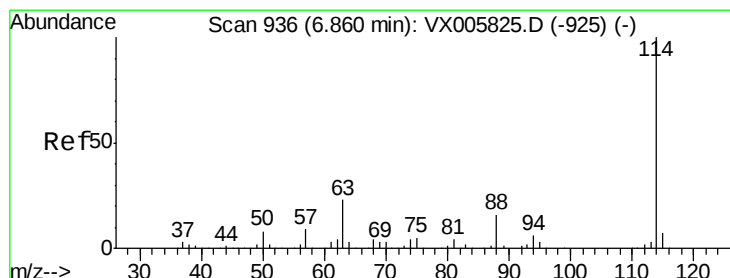
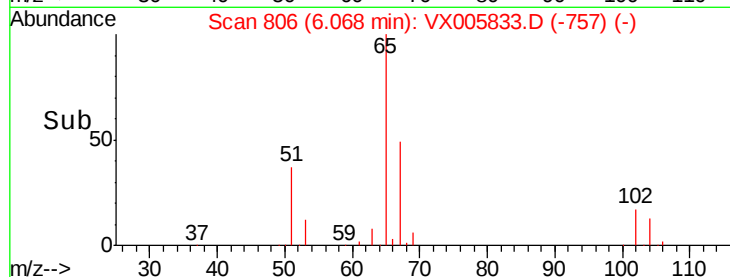
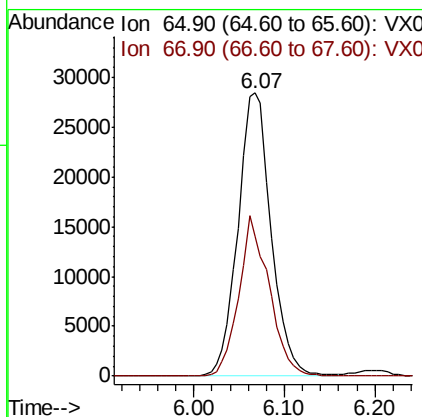
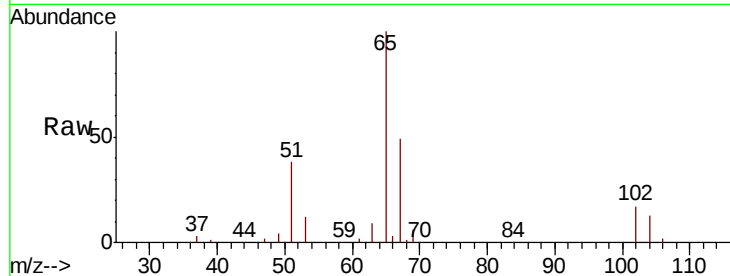
#33
 1,2-Dichloroethane-d4
 Concen: 54.640 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	105.0

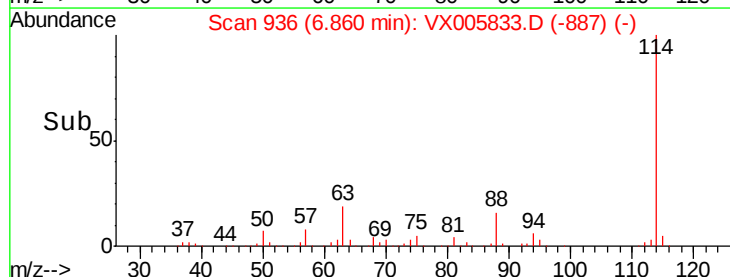
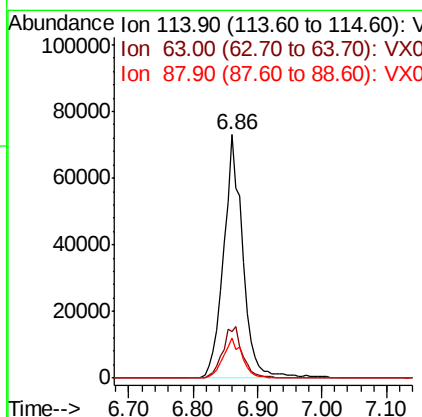
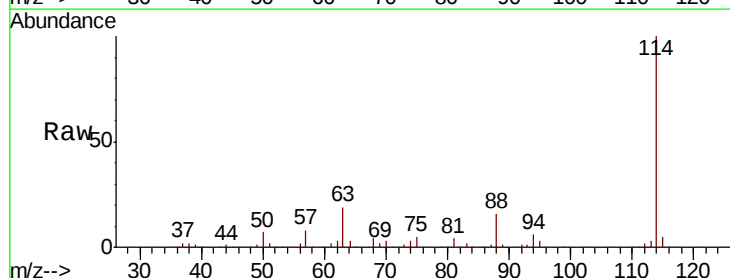
Manual Integrations
 APPROVED

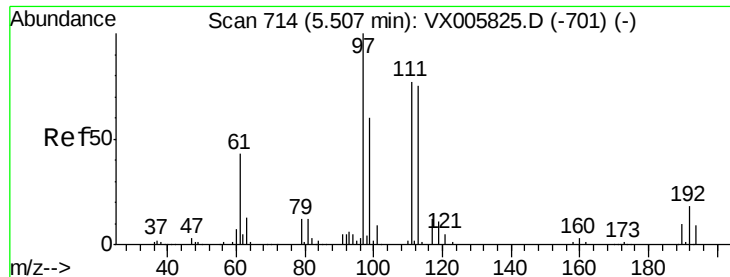
MMDadoda
 11/8/2018 10:35:51 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	42.8
88	16.5	0.0	31.2





#35

Dibromofluoromethane

Concen: 55.258 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

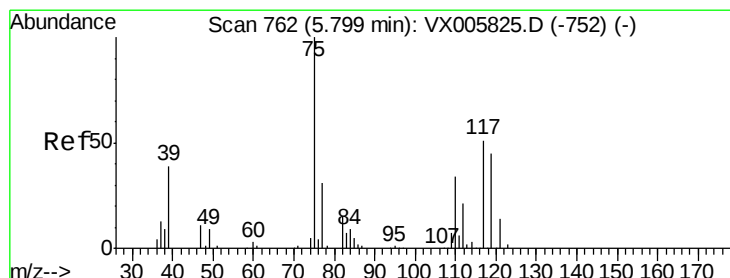
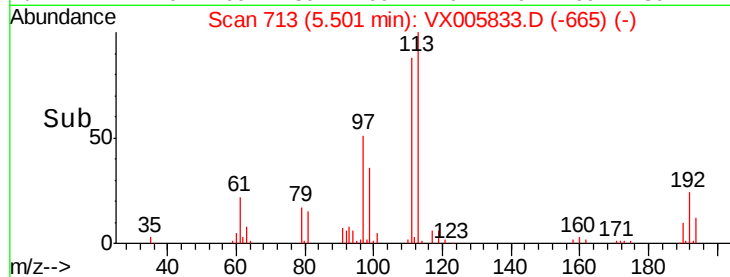
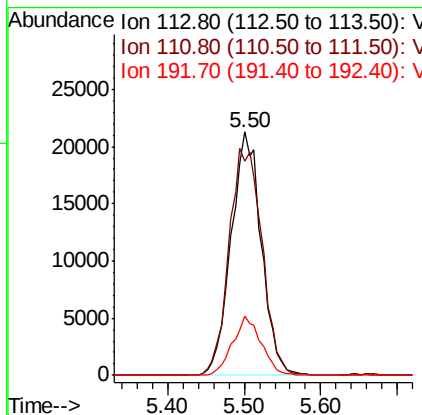
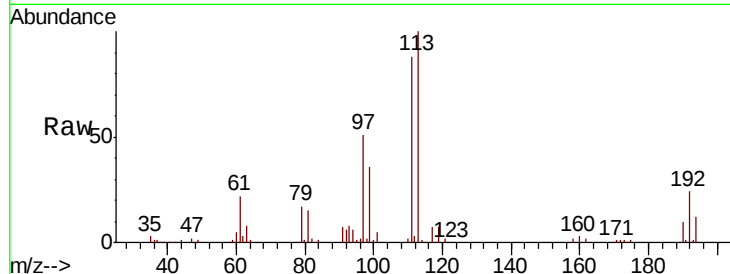
ClientSampleId :

VX1107WBSD01

Tot Ion:	113	Resp:	58188
Ion Ratio	Lower	Upper	
113	100		
111	101.8	82.3	123.5
192	23.1	17.9	26.9

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:51 AM



#36

1,1-Dichloropropene

Concen: 21.087 ug/l

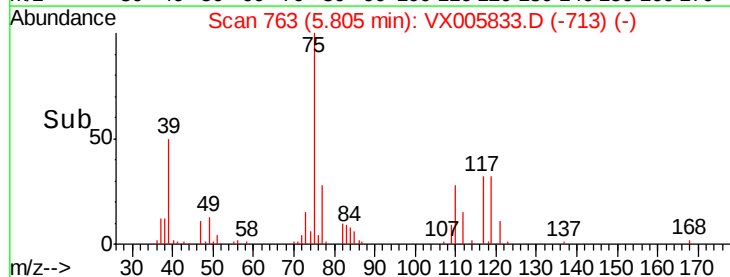
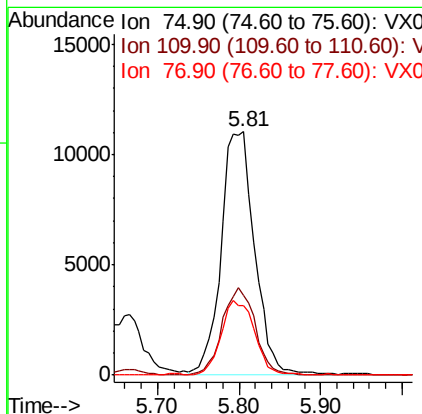
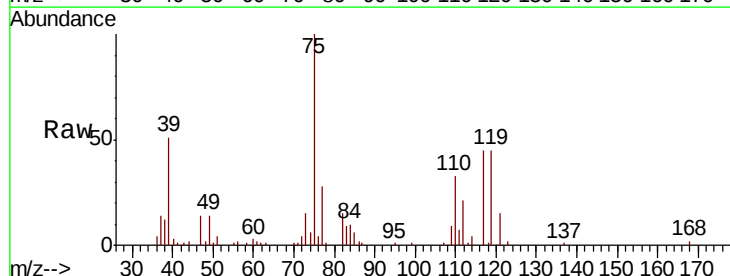
RT: 5.81 min Scan# 763

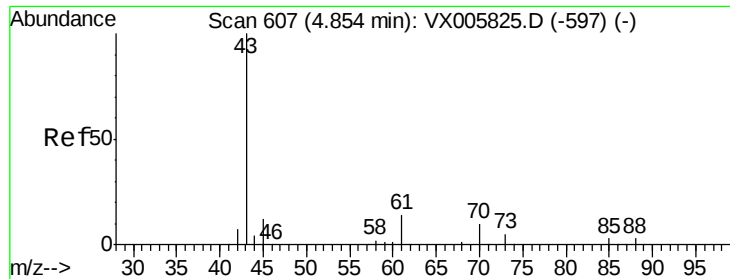
Delta R.T. 0.01 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Tgt Ion:	75	Resp:	31473
Ion Ratio	Lower	Upper	
75	100		
110	35.1	17.4	52.2
77	30.4	25.8	38.6





#37

Ethyl Acetate

Concen: 21.080 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

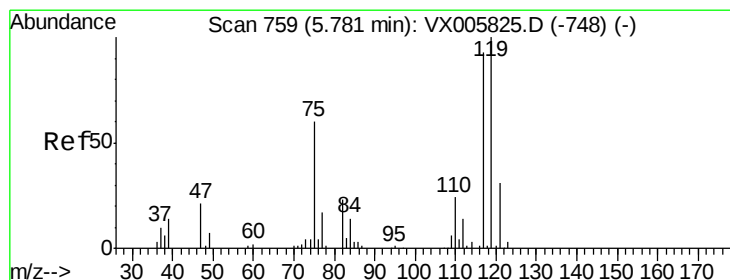
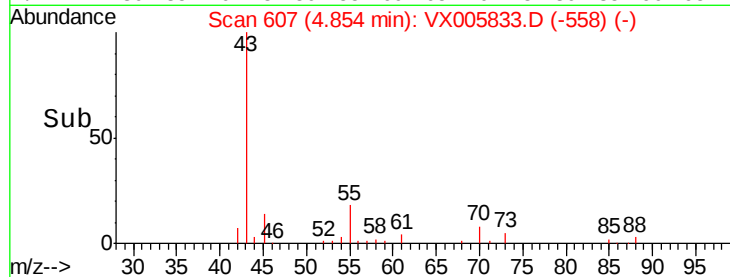
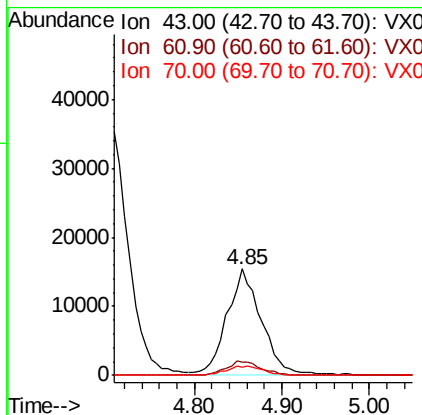
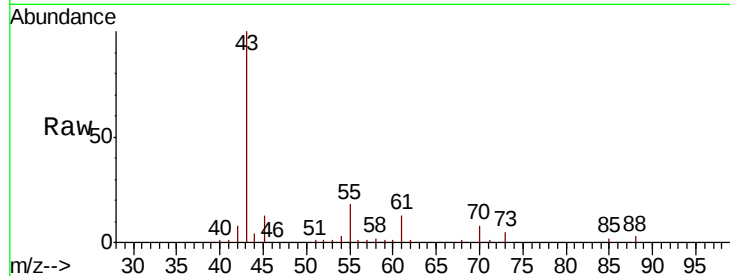
ClientSampleId :

VX1107WBSD01

Tot Ion:	43	Resp:	41373
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.8	16.2
70	9.5	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:51 AM



#38

Carbon Tetrachloride

Concen: 20.597 ug/l

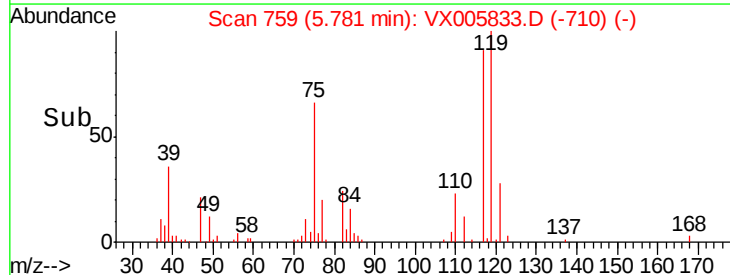
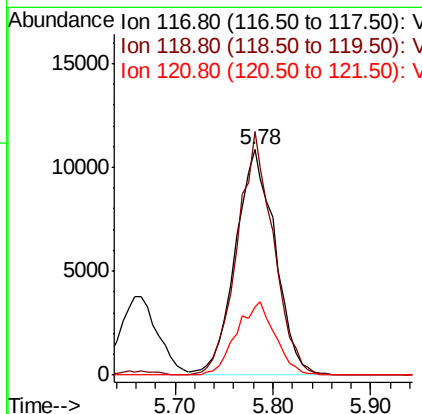
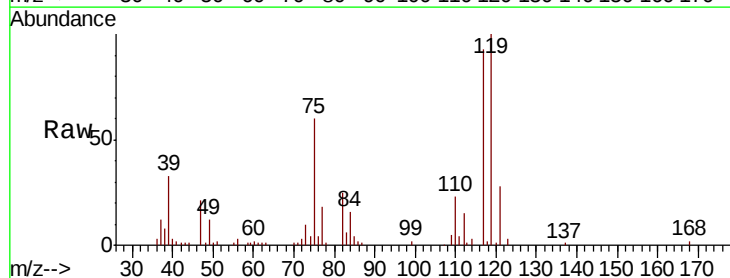
RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Tgt Ion:	117	Resp:	30775
Ion	Ratio	Lower	Upper
117	100		
119	108.0	78.1	117.1
121	30.2	24.6	36.8





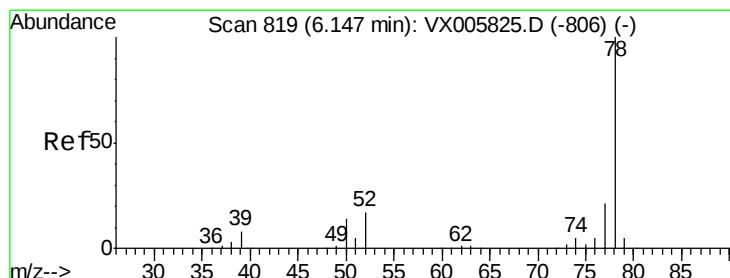
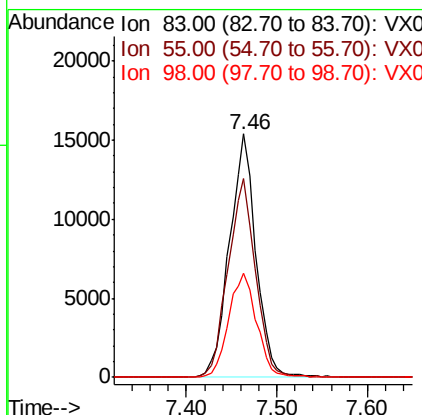
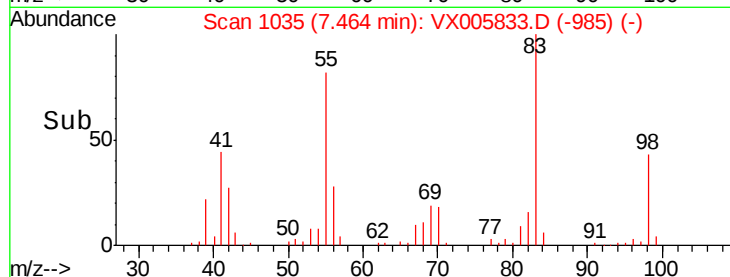
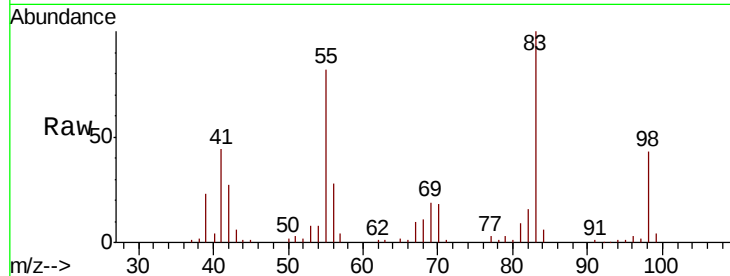
#39
Methvlcvclohexane
Concen: 20.683 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.9	63.7	95.5
98	42.9	36.2	54.2

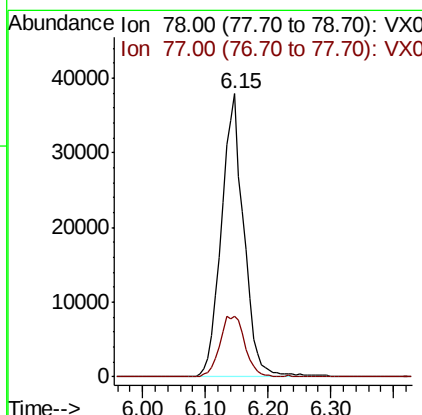
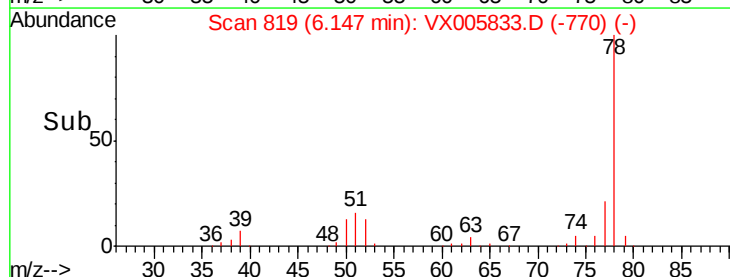
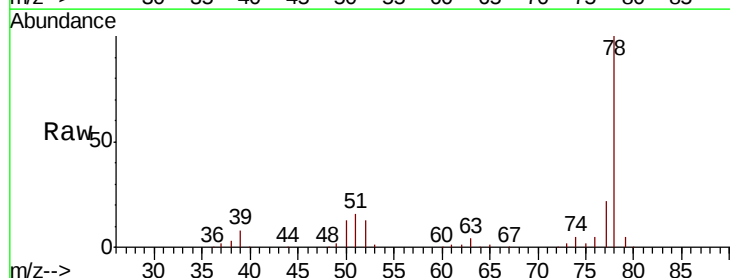
Manual Integrations
APPROVED

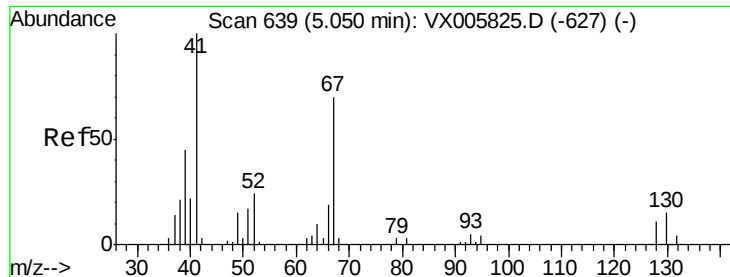
MMDadoda
11/8/2018 10:35:51 AM



#40
Benzene
Concen: 21.614 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.6	18.4	27.6





#41

Methacrylonitrile

Concen: 20.498 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

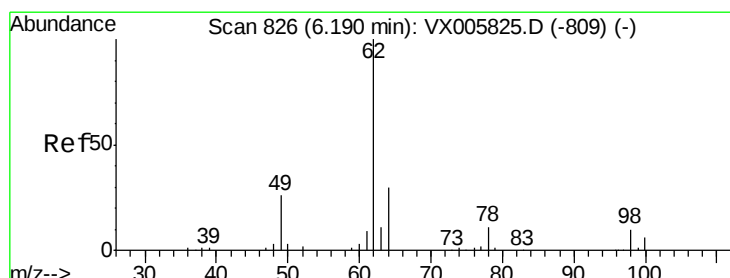
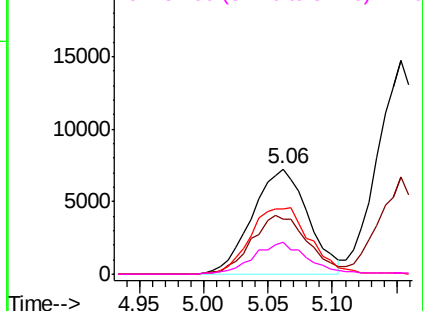
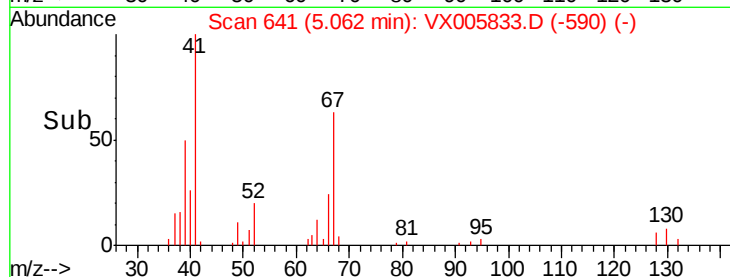
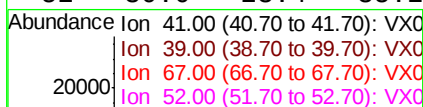
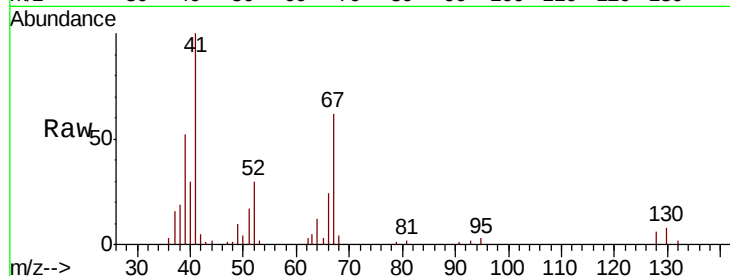
ClientSampleId :

VX1107WBSD01

Tot Ion:	41	Resp:	21739
Ion	Ratio	Lower	Upper
41	100		
39	56.2	42.2	63.2
67	68.0	53.4	80.0
52	30.0	23.4	35.2

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:51 AM



#42

1,2-Dichloroethane

Concen: 21.211 ug/l

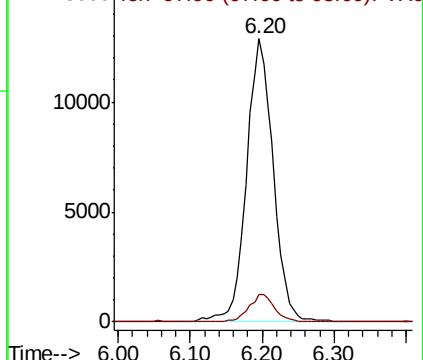
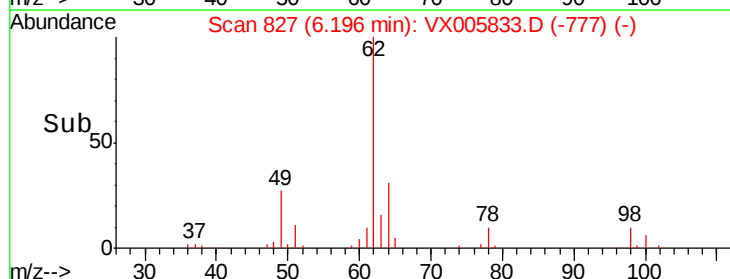
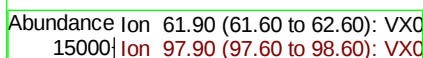
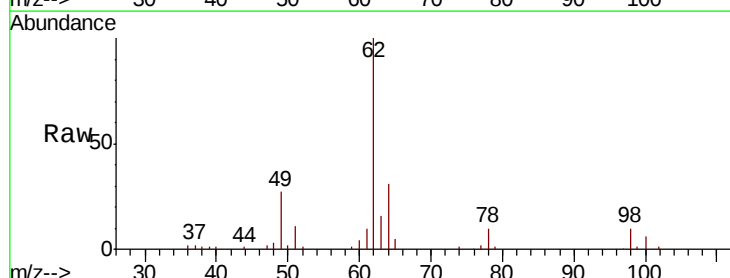
RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Tgt Ion:	62	Resp:	33056
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.8





#43

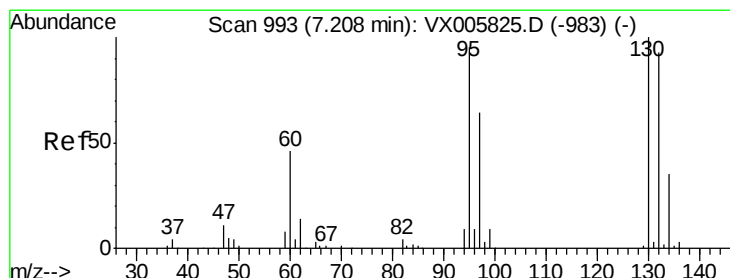
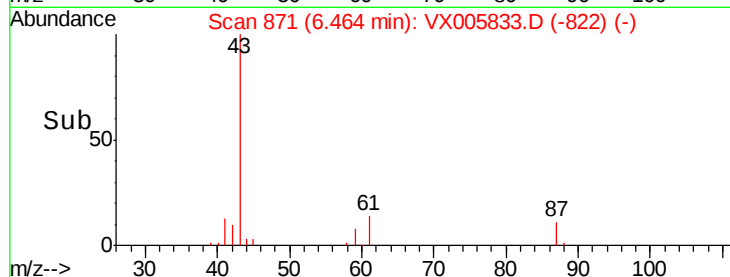
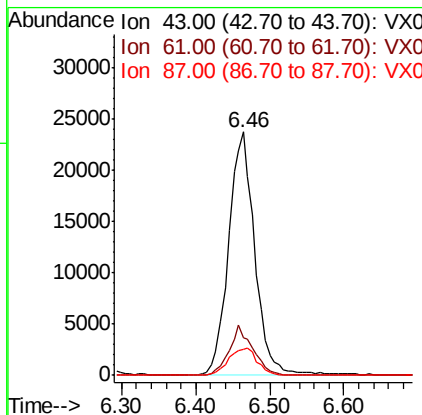
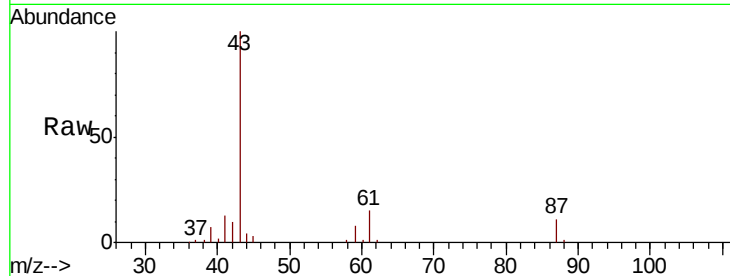
Isopropyl Acetate
 Concen: 20.620 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.6	22.0
87	12.2	9.6	14.4

Manual Integrations
 APPROVED

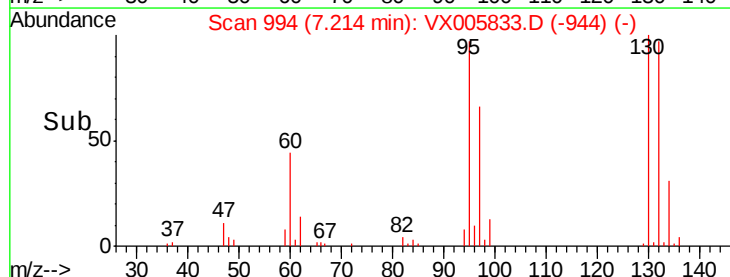
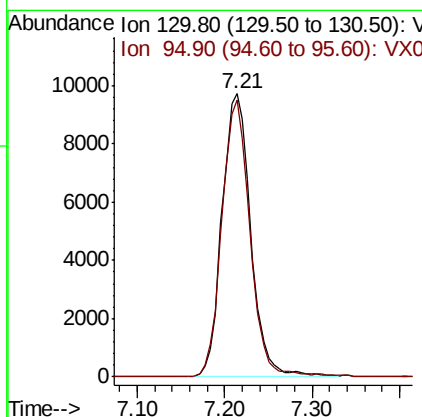
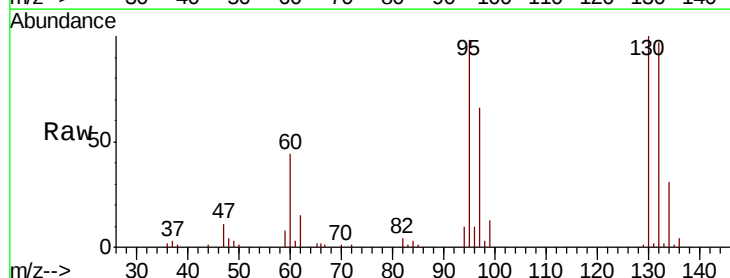
MMDadoda
 11/8/2018 10:35:51 AM

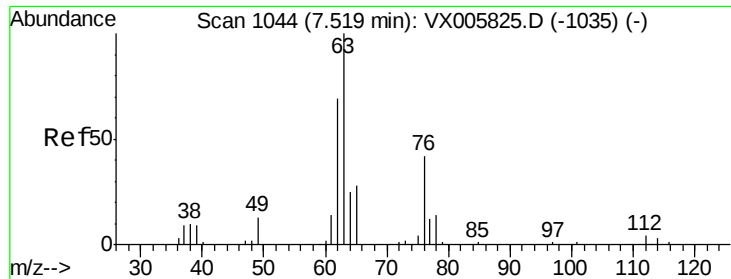


#44

Trichloroethene
 Concen: 20.069 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	194.2





#45

1,2-Dichloropropane

Concen: 20.031 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBSD01

Tot Ion: 63 Resp: 21154

Ion Ratio Lower Upper

63 100

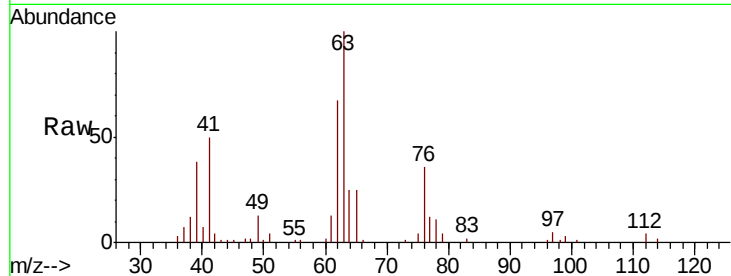
65 25.0 24.8 37.2

Manual Integrations

APPROVED

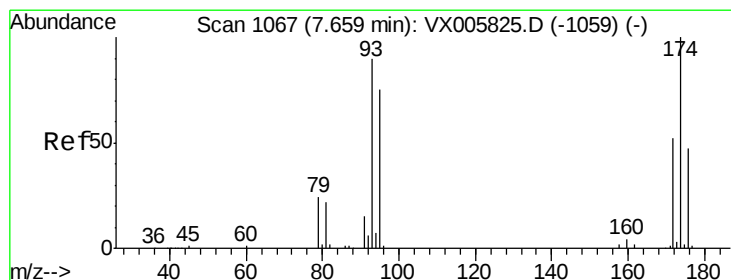
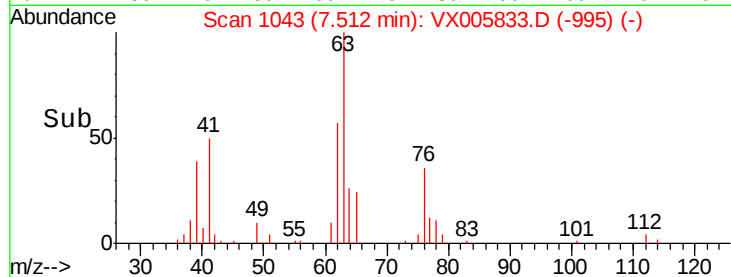
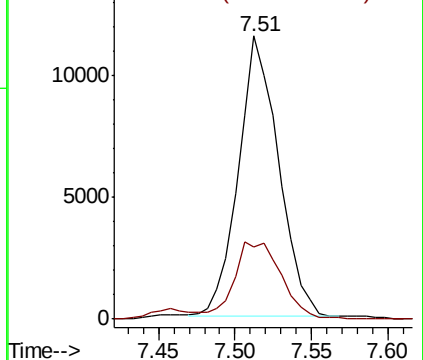
MMDadoda

11/8/2018 10:35:51 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.525 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

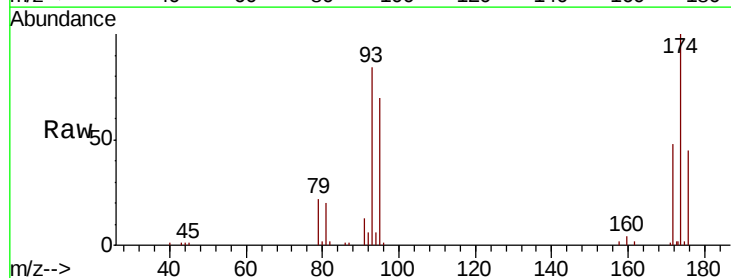
Tgt Ion: 93 Resp: 13602

Ion Ratio Lower Upper

93 100

95 83.0 67.4 101.0

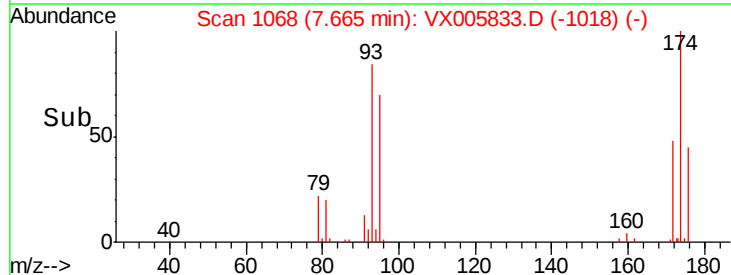
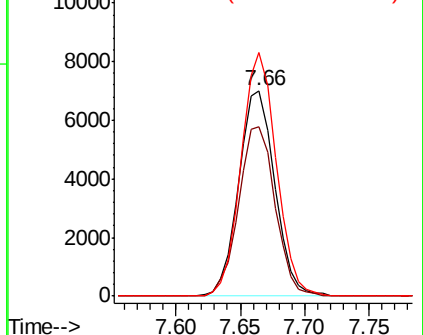
174 115.2 91.5 137.3

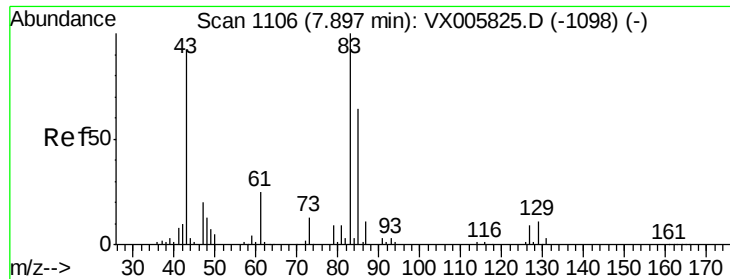


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.940 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

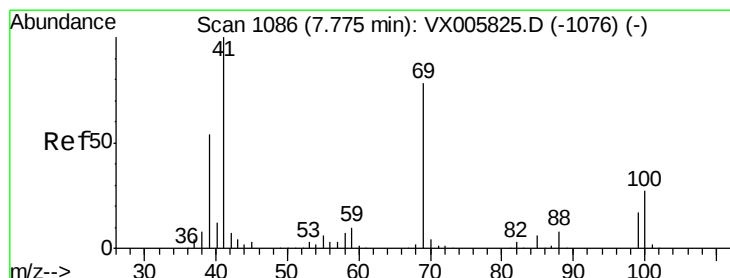
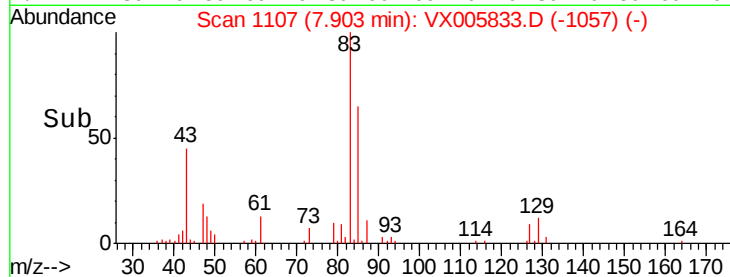
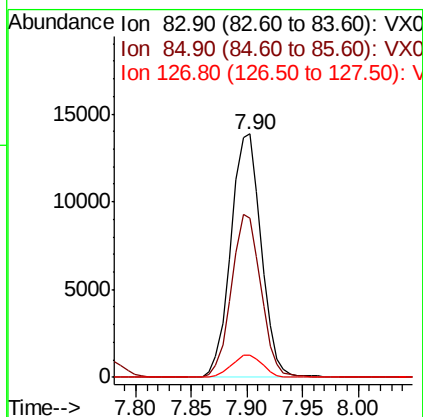
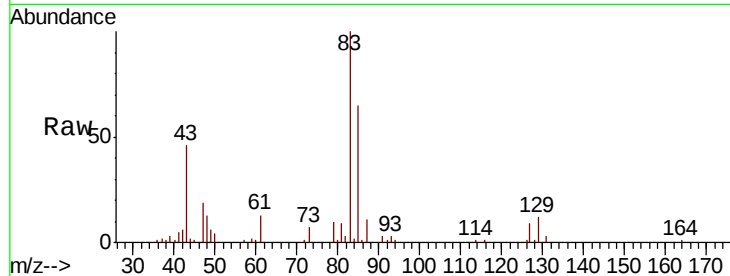
ClientSampleId :

VX1107WBSD01

Tot Ion:	83	Resp:	26225
Ion Ratio	Lower	Upper	
83	100		
85	65.1	50.2	75.4
127	9.1	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:51 AM



#48

Methyl methacrylate

Concen: 21.167 ug/l

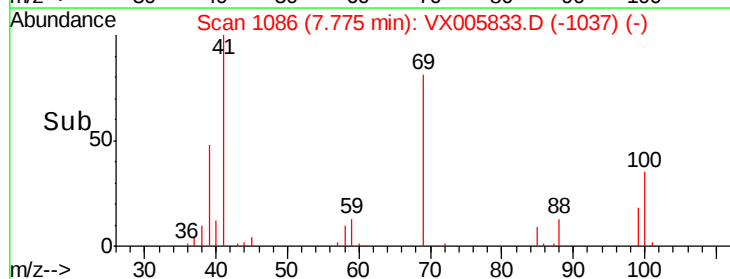
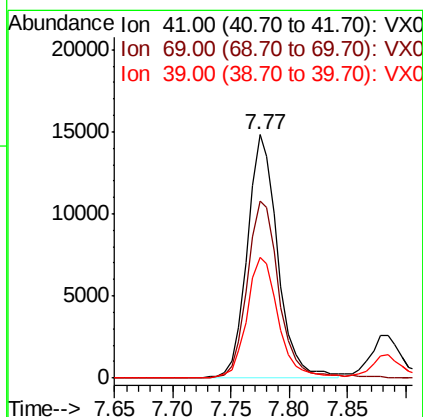
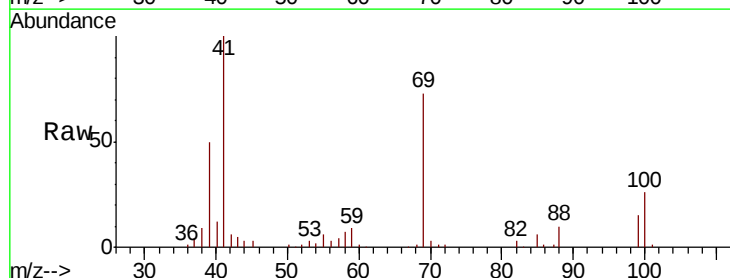
RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Tgt Ion:	41	Resp:	27030
Ion Ratio	Lower	Upper	
41	100		
69	76.2	63.2	94.8
39	51.4	42.2	63.2





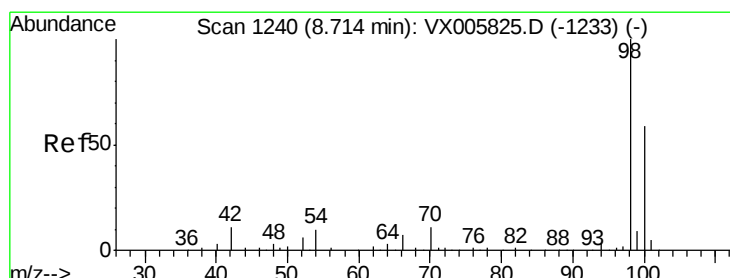
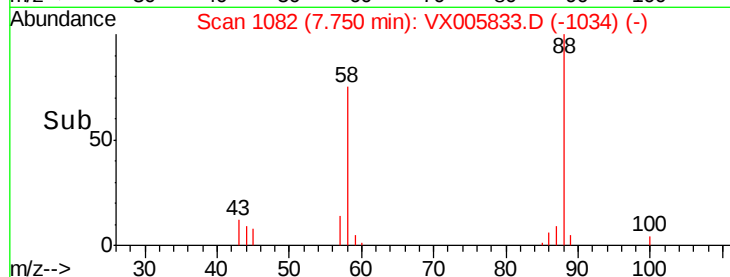
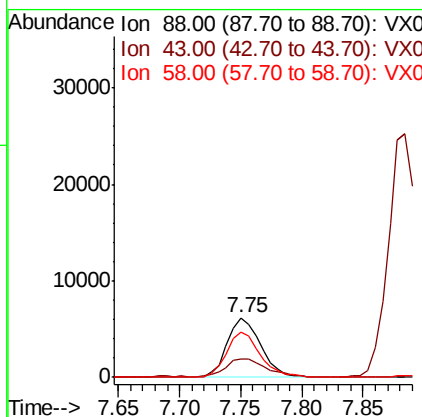
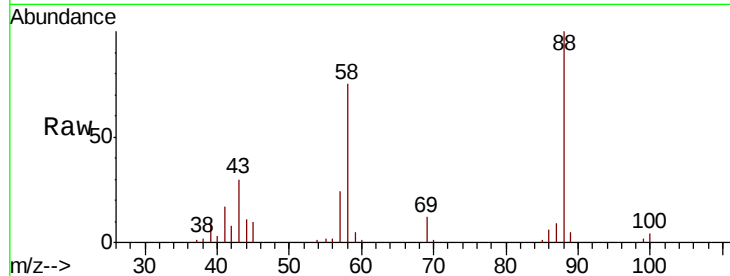
#49
1,4-Dioxane
Concen: 424.897 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	27.4	41.0
58	76.1	59.4	89.2

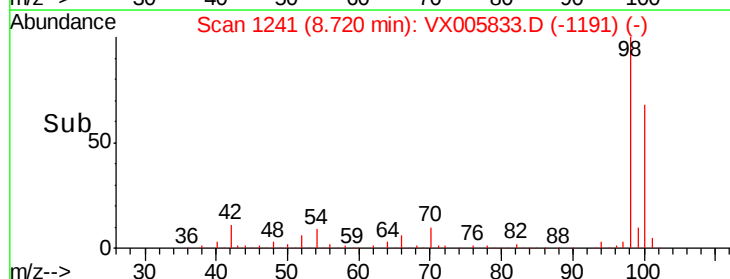
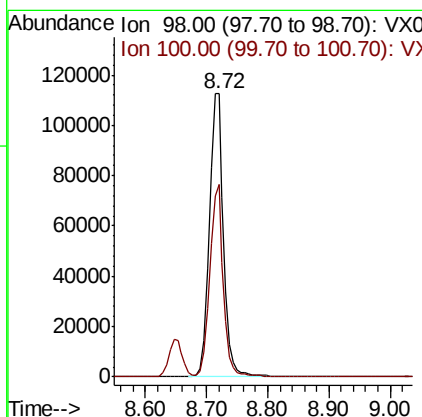
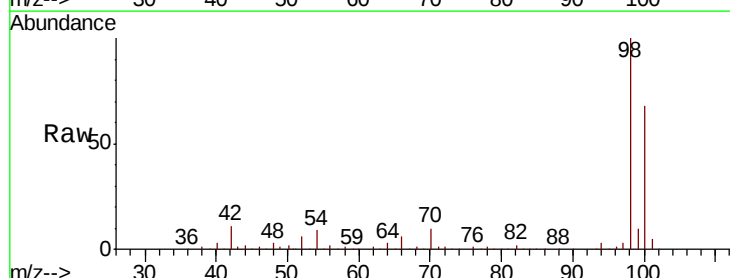
Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:51 AM



#50
Toluene-d8
Concen: 53.053 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 104.782 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

ClientSampleID :

VX1107WBSD01

Tot Ion: 43 Resp: 187808

Ion Ratio Lower Upper

43 100

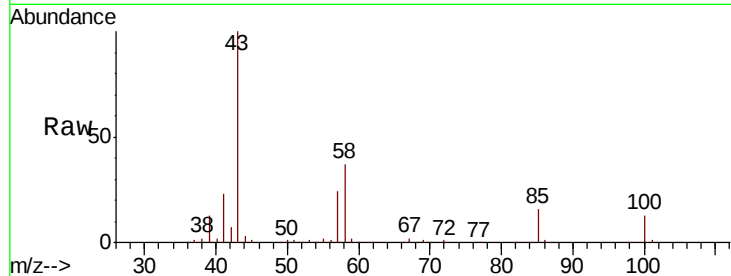
58 36.0 29.7 44.5

Manual Integrations

APPROVED

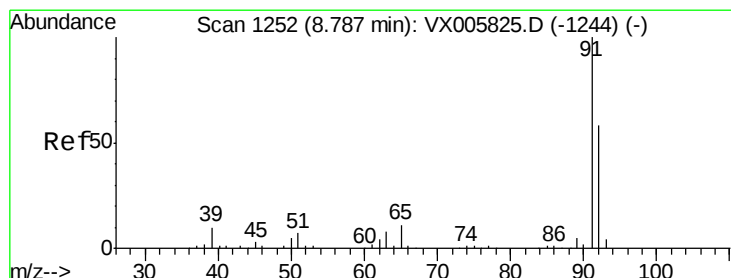
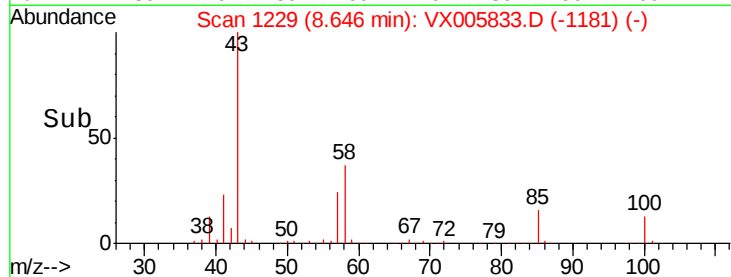
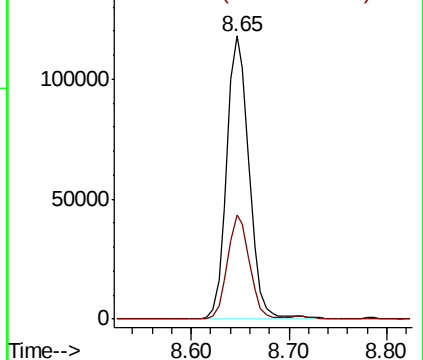
MMDadoda

11/8/2018 10:35:51 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.970 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005833.D

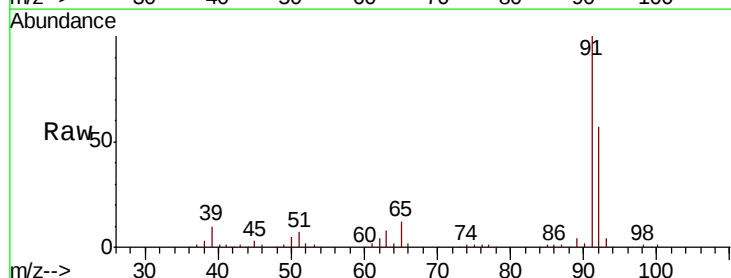
Acq: 07 Nov 2018 17:44

Tgt Ion: 92 Resp: 48562

Ion Ratio Lower Upper

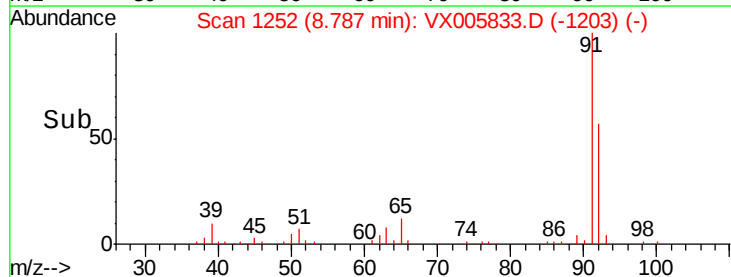
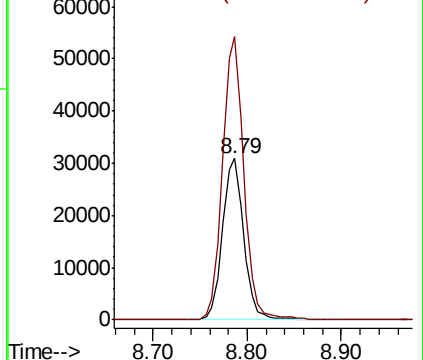
92 100

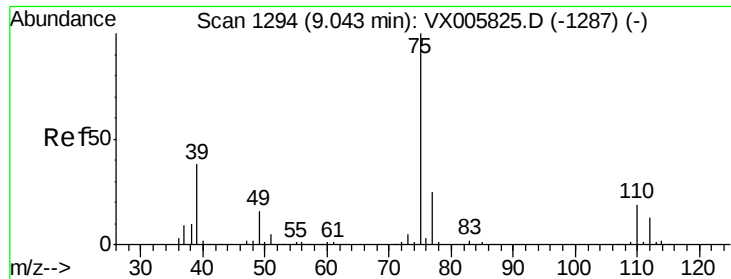
91 175.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





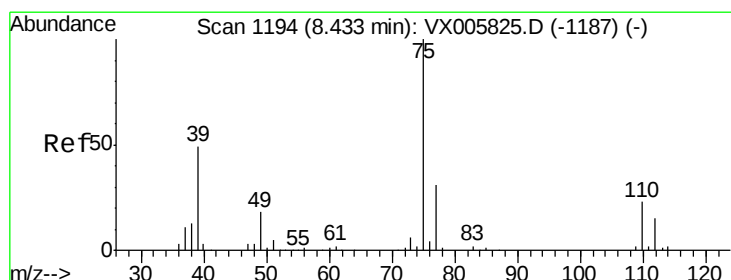
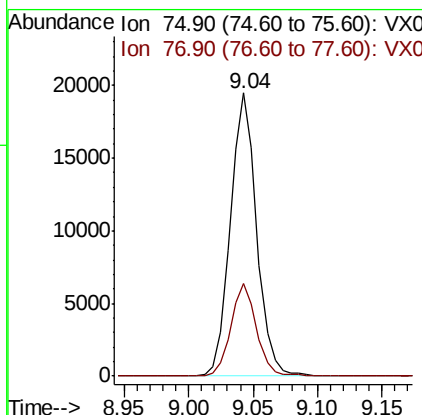
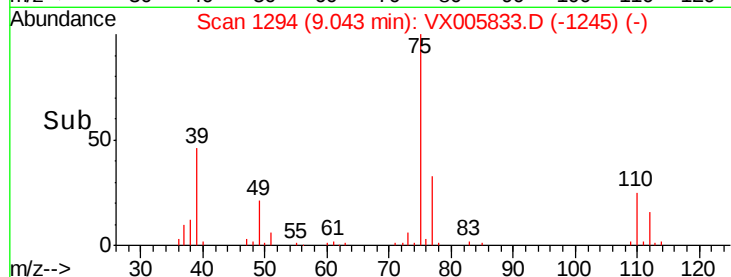
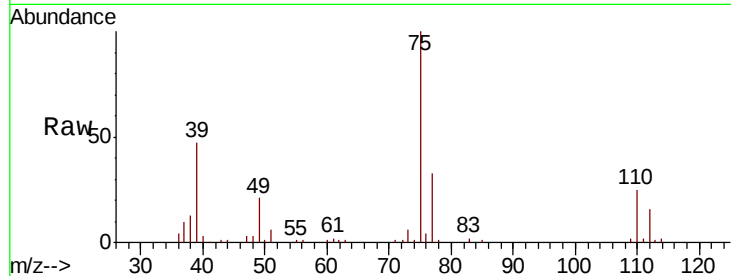
#53
 t-1,3-Dichloropropene
 Concen: 18.823 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBSD01

Tot Ion: 75 Resp: 27819
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.2

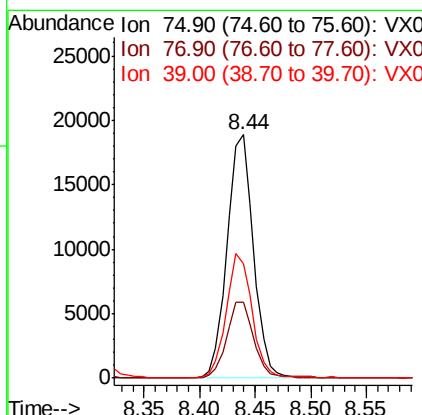
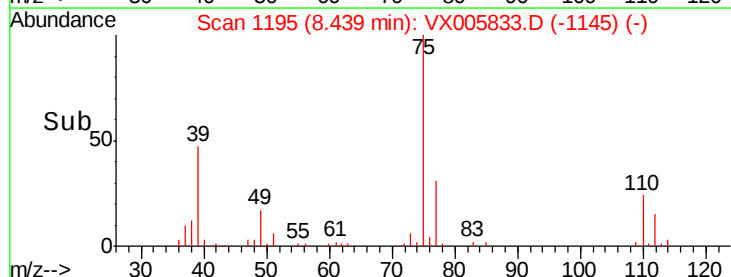
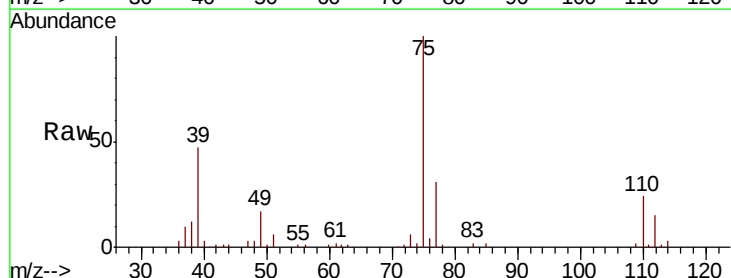
Manual Integrations
 APPROVED

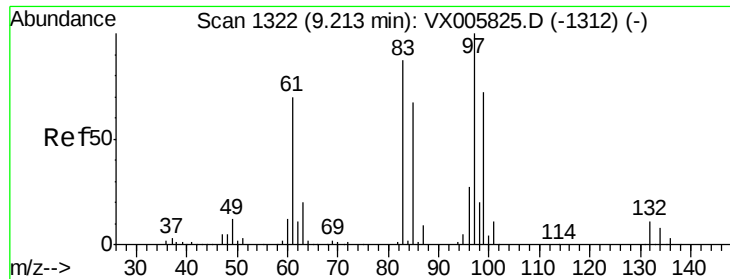
MMDadoda
 11/8/2018 10:35:51 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.590 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Tgt Ion: 75 Resp: 31016
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.2 37.8
 39 47.2 38.2 57.2





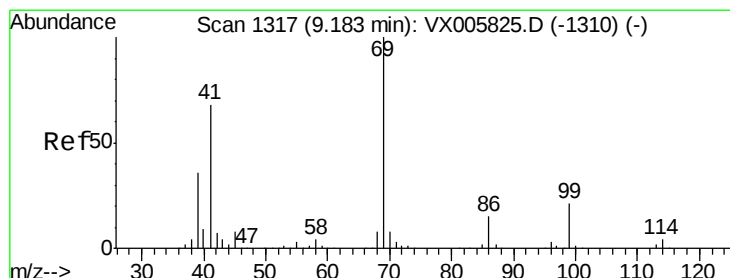
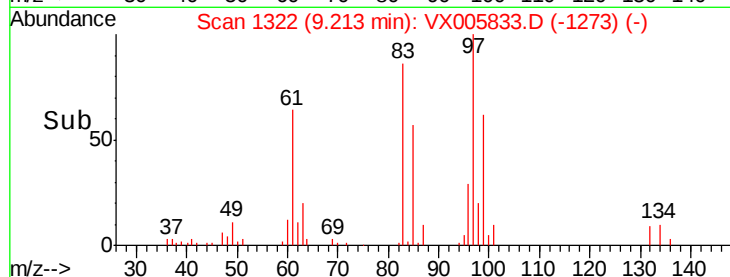
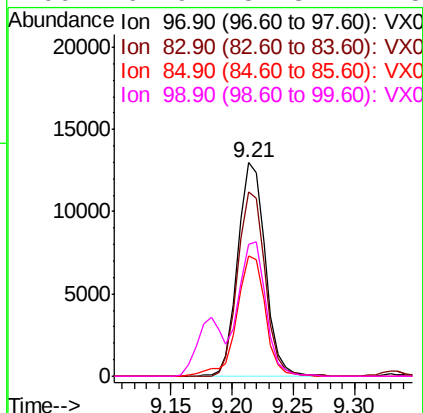
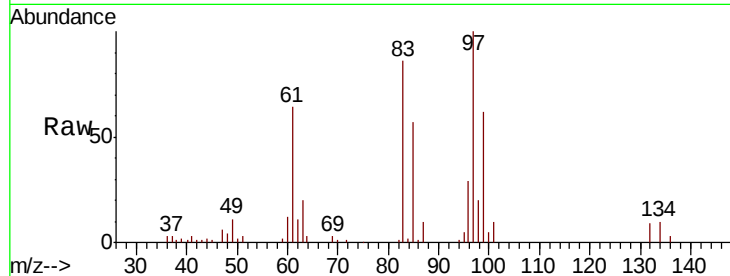
#55
 1,1,2-Trichloroethane
 Concen: 18.696 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.7	106.1
85	56.5	45.8	68.6
99	61.9	51.8	77.8

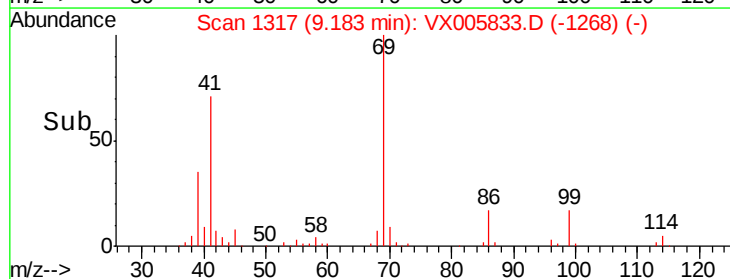
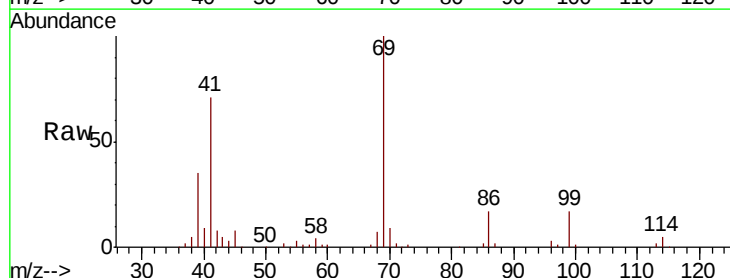
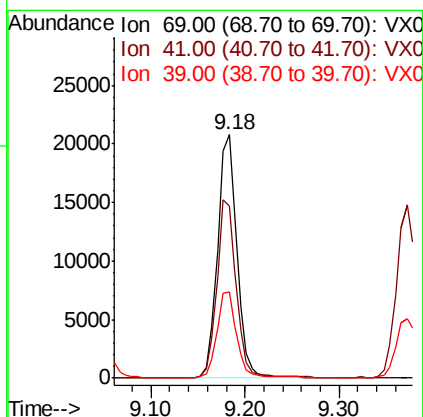
Manual Integrations
 APPROVED

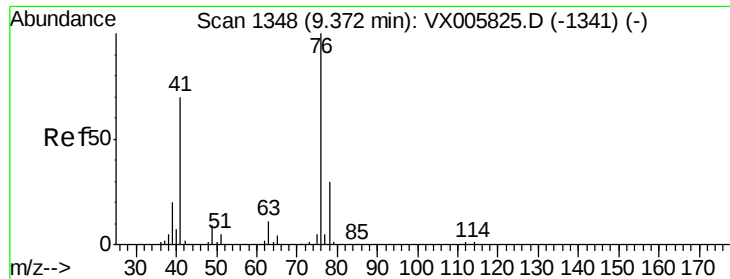
MMDadoda
 11/8/2018 10:35:51 AM



#56
 Ethyl methacrylate
 Concen: 18.348 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.5	57.0	85.6
39	36.1	28.3	42.5





#57

1,3-Dichloropropane

Concen: 18.914 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBSD01

Tot Ion: 76 Resp: 34447

Ion Ratio Lower Upper

76 100

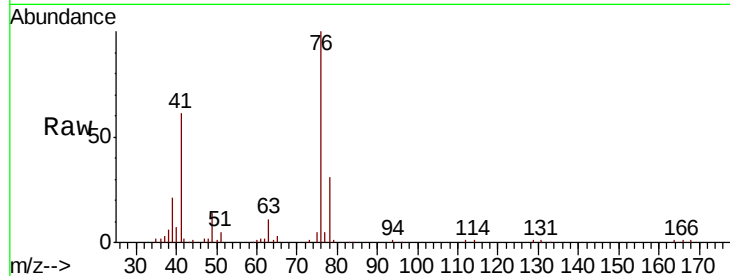
78 30.9 25.3 37.9

Manual Integrations

APPROVED

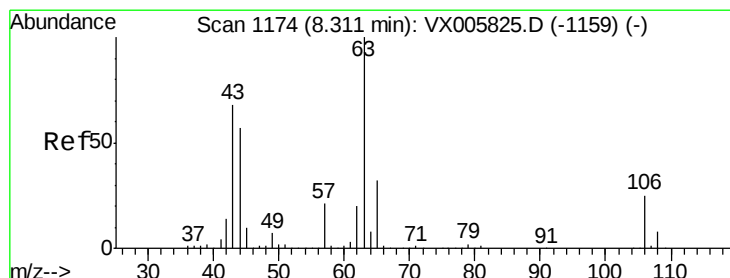
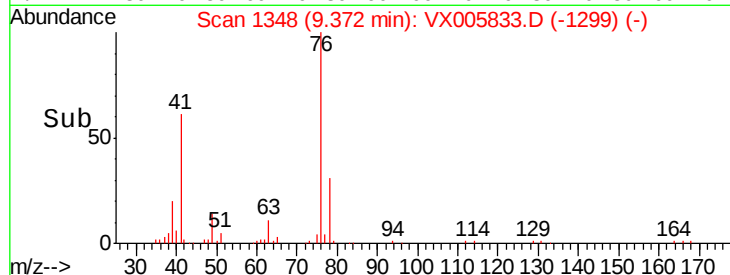
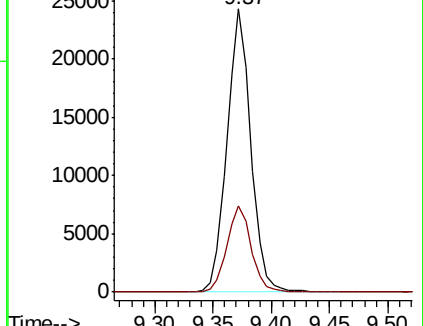
MMDadoda

11/8/2018 10:35:51 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 108.424 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX005833.D

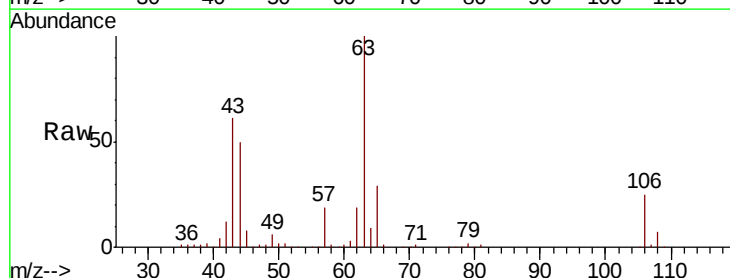
Acq: 07 Nov 2018 17:44

Tgt Ion: 63 Resp: 91520

Ion Ratio Lower Upper

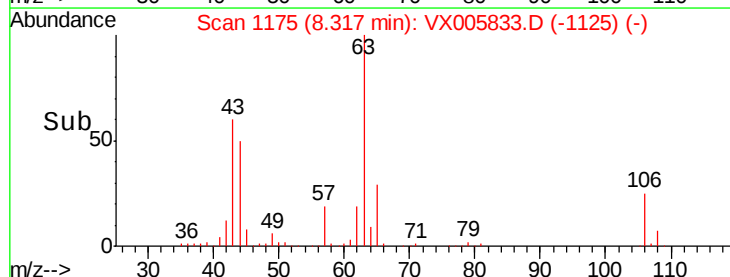
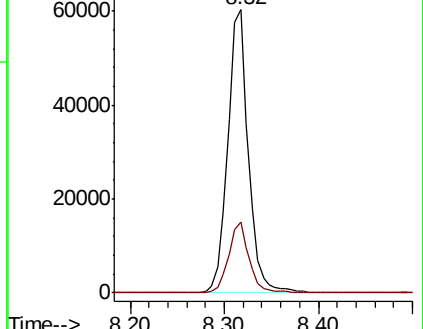
63 100

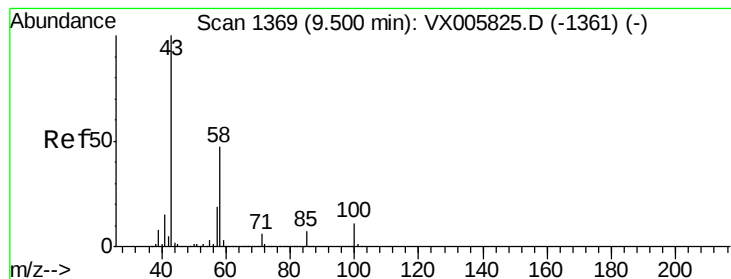
106 24.8 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 92.253 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBSD01

Tot Ion: 43 Resp: 145750

Ion Ratio Lower Upper

43 100

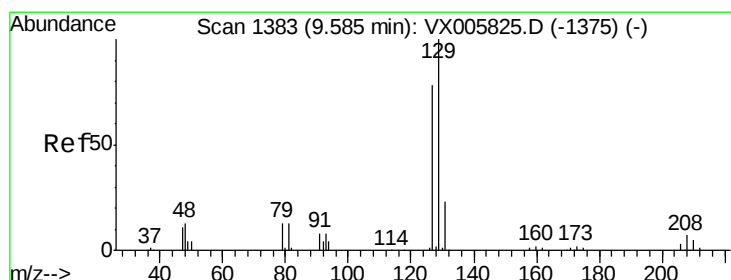
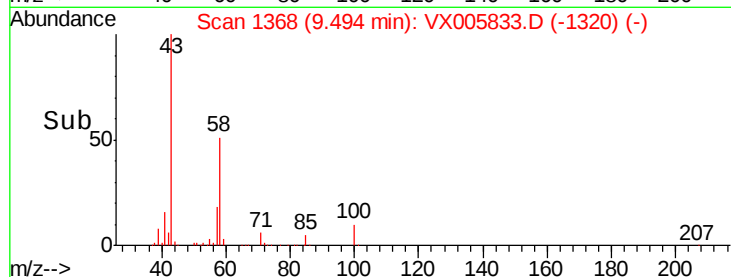
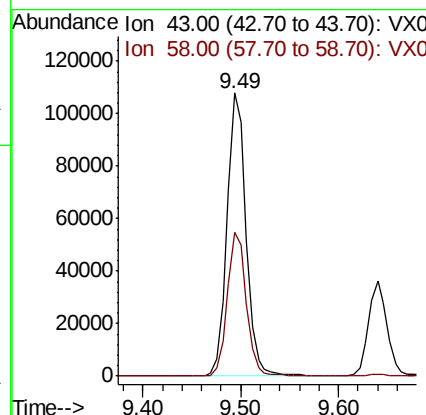
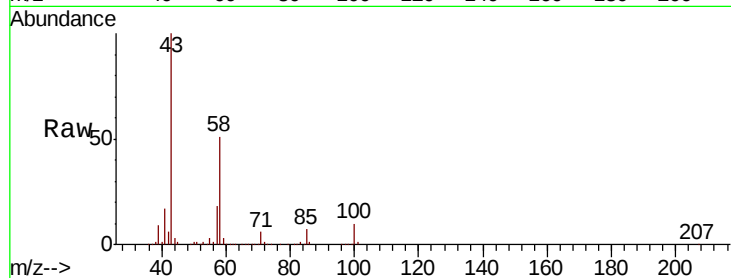
58 50.7 25.9 77.8

Manual Integrations

APPROVED

MMDadoda

11/8/2018 10:35:51 AM



#60

Dibromochloromethane

Concen: 18.016 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX005833.D

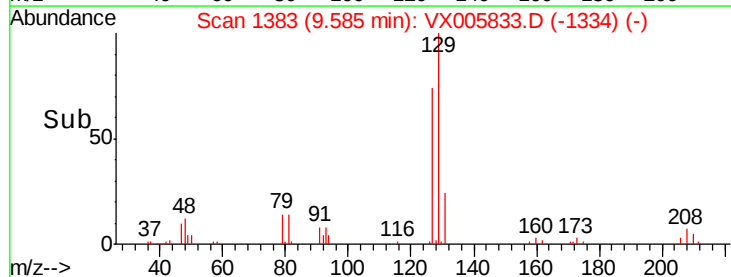
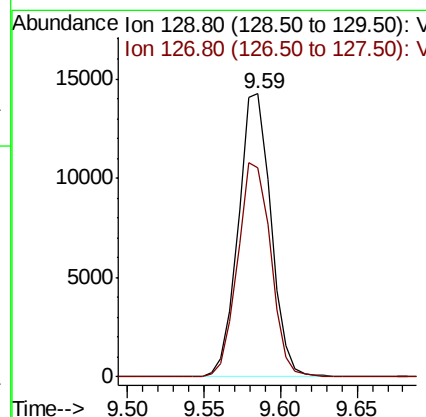
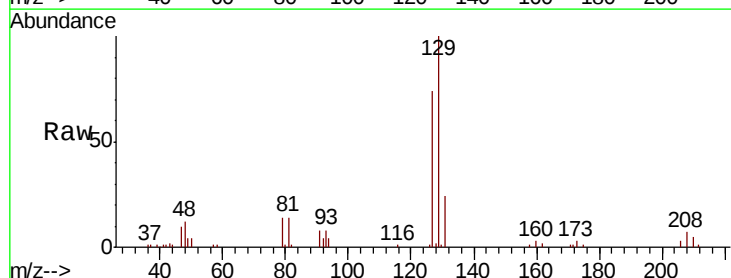
Acq: 07 Nov 2018 17:44

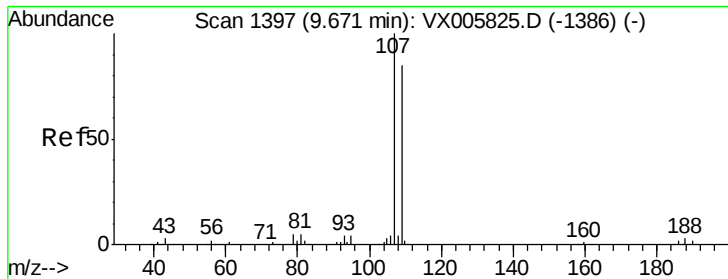
Tgt Ion: 129 Resp: 21101

Ion Ratio Lower Upper

129 100

127 76.6 38.9 116.7





#61

1,2-Dibromoethane

Concen: 17.298 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBSD01

Tot Ion:107 Resp: 20730

Ion Ratio Lower Upper

107 100

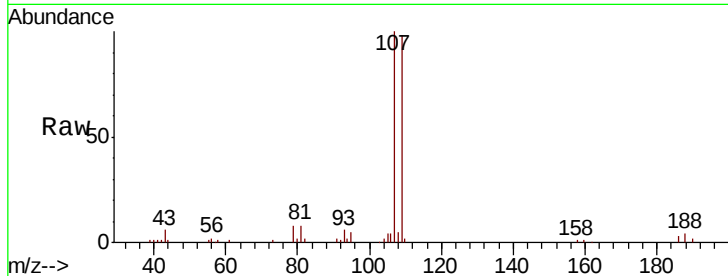
109 95.6 75.7 113.5

Manual Integrations

APPROVED

MMDadoda

11/8/2018 10:35:51 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

15000

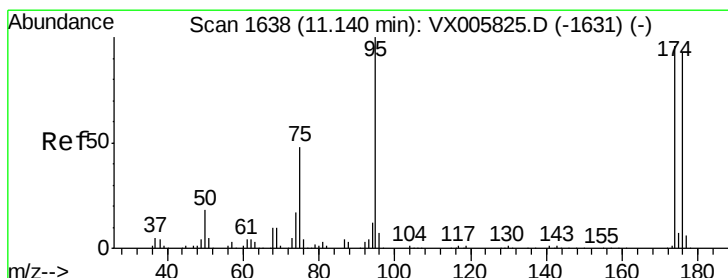
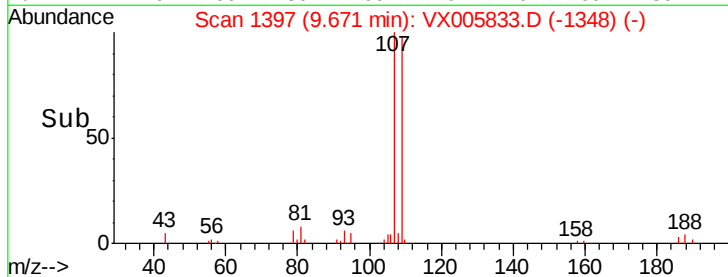
10000

5000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 52.981 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

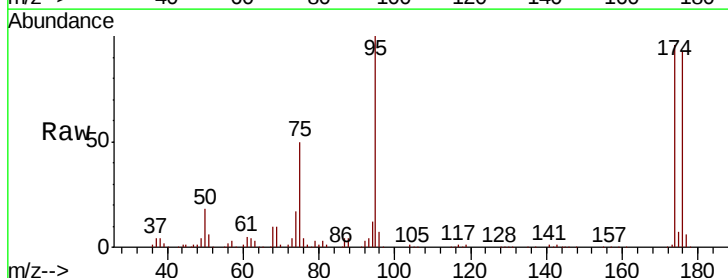
Tgt Ion: 95 Resp: 66686

Ion Ratio Lower Upper

95 100

174 90.4 0.0 184.4

176 87.9 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

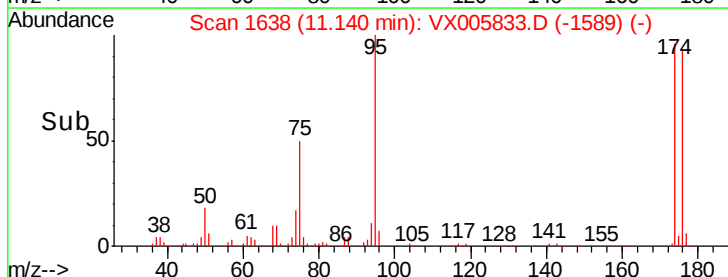
40000

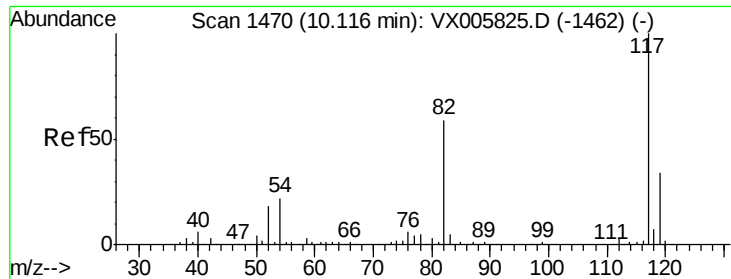
20000

0

11.10 11.20

Time-->





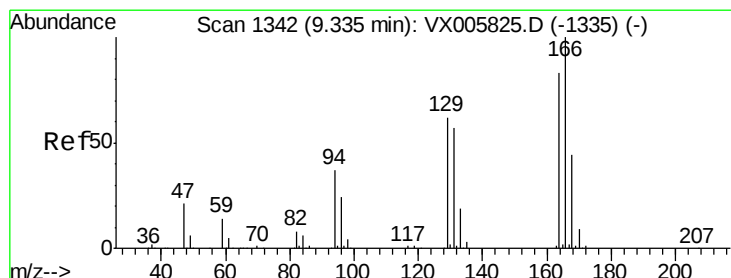
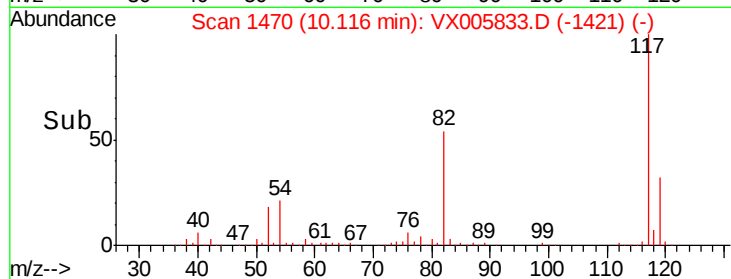
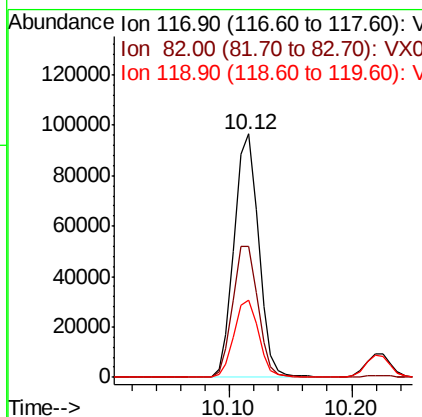
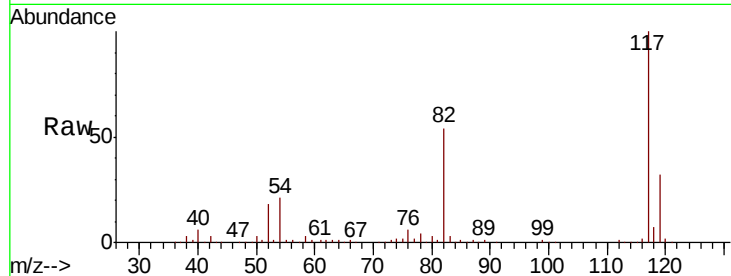
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.1	66.1
119	31.8	26.2	39.2

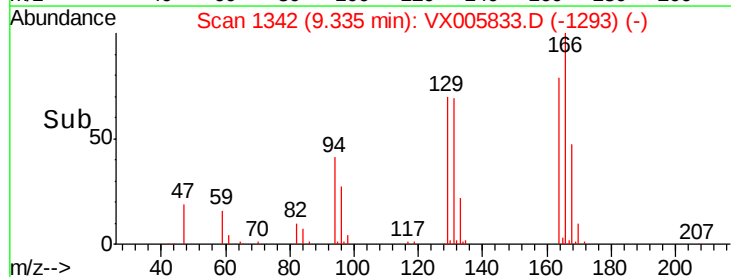
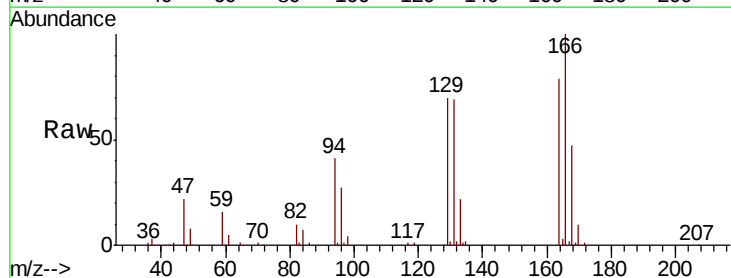
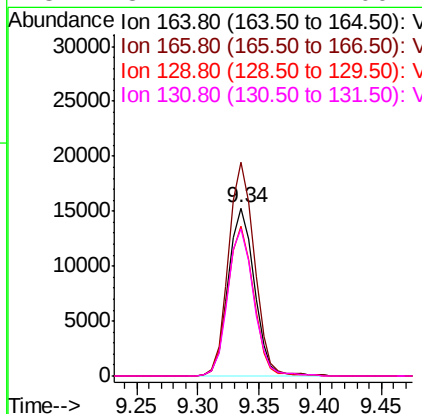
Manual Integrations
APPROVED

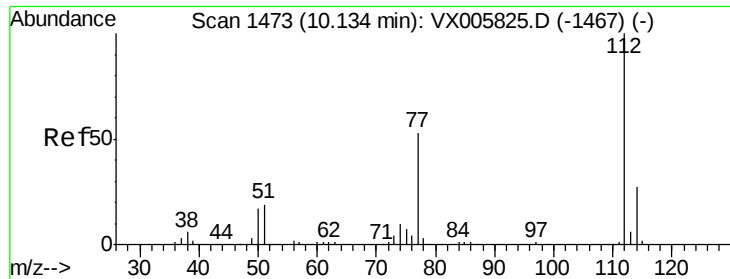
MMDadoda
11/8/2018 10:35:51 AM



#64
Tetrachloroethene
Concen: 19.743 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	101.9	152.9
129	89.0	72.6	109.0
131	87.4	71.1	106.7





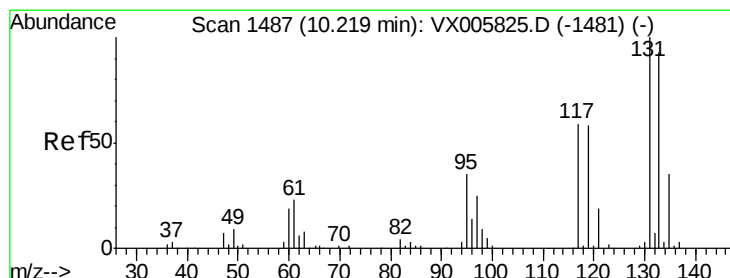
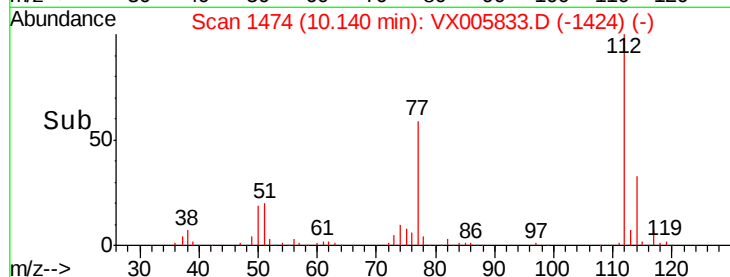
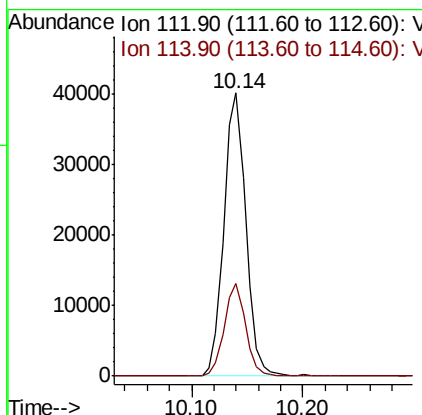
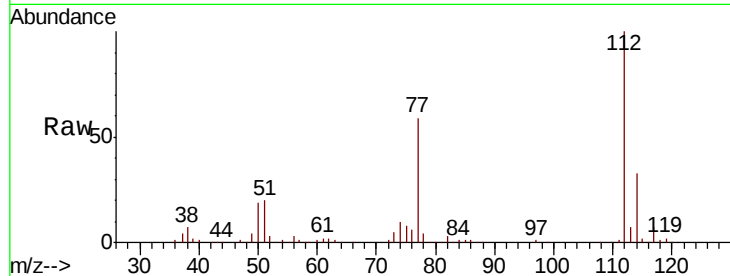
#65
Chlorobenzene
Concen: 20.442 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBSD01

Tot Ion:112 Resp: 55025
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6

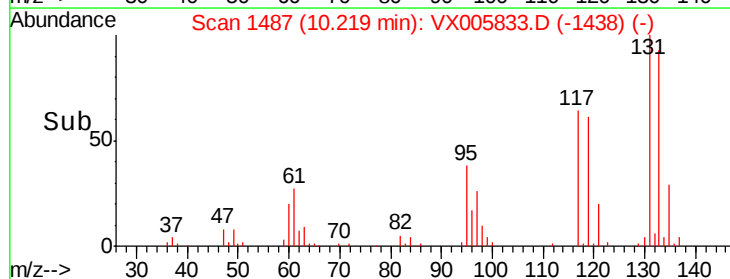
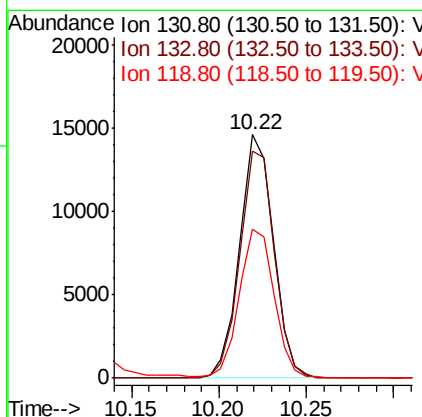
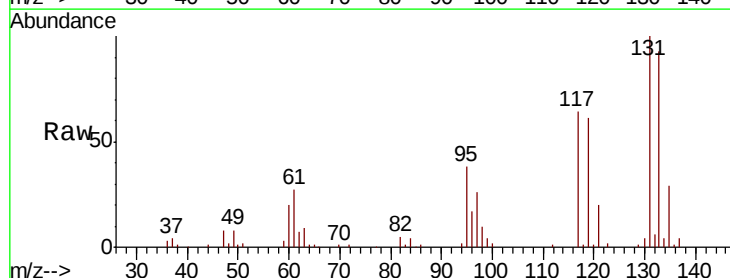
Manual Integrations
APPROVED

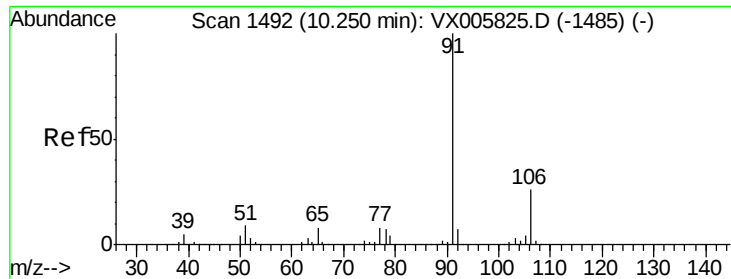
MMDadoda
11/8/2018 10:35:51 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.070 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Tgt Ion:131 Resp: 19717
Ion Ratio Lower Upper
131 100
133 95.4 47.5 142.5
119 63.3 31.8 95.3





#67

Ethyl Benzene

Concen: 21.265 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBSD01

Tot Ion: 91 Resp: 91785

Ion Ratio Lower Upper

91 100

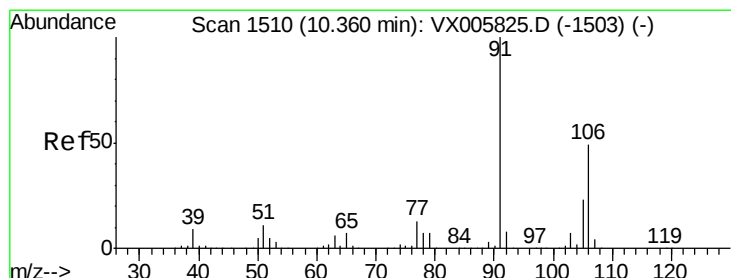
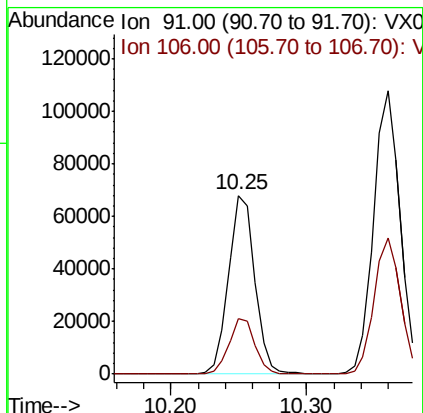
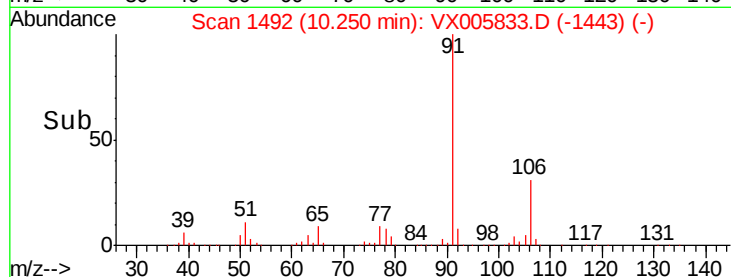
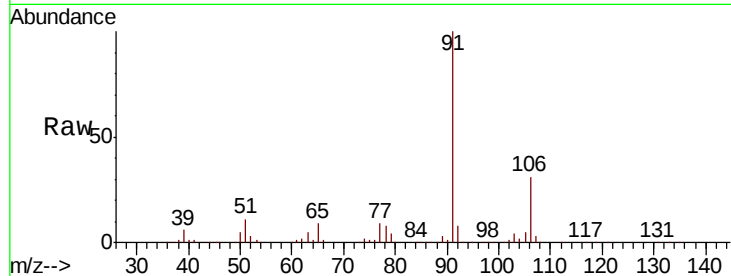
106 31.1 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

11/8/2018 10:35:51 AM



#68

m/p-Xylenes

Concen: 43.276 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005833.D

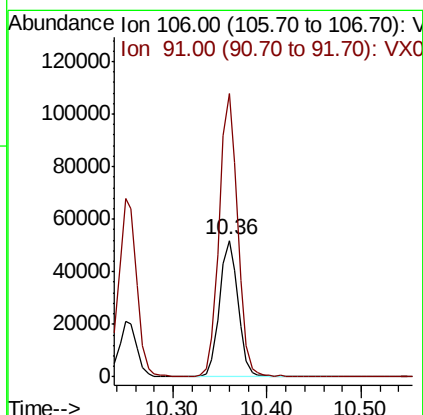
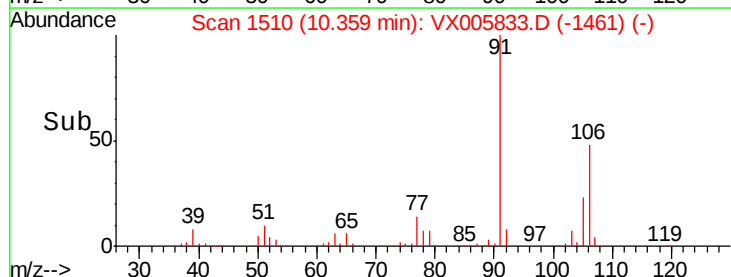
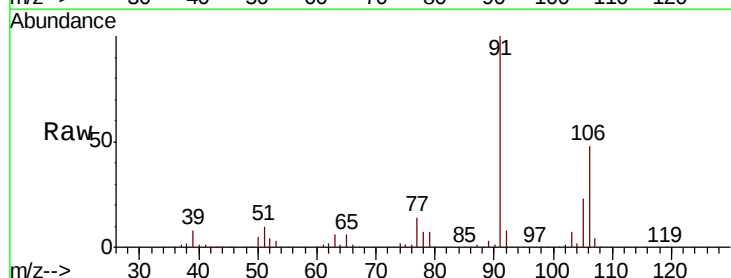
Acq: 07 Nov 2018 17:44

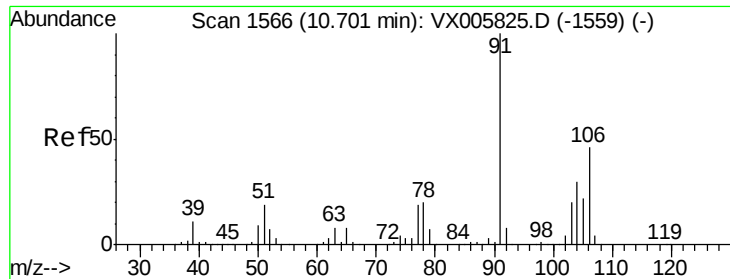
Tgt Ion: 106 Resp: 71250

Ion Ratio Lower Upper

106 100

91 205.3 164.2 246.4





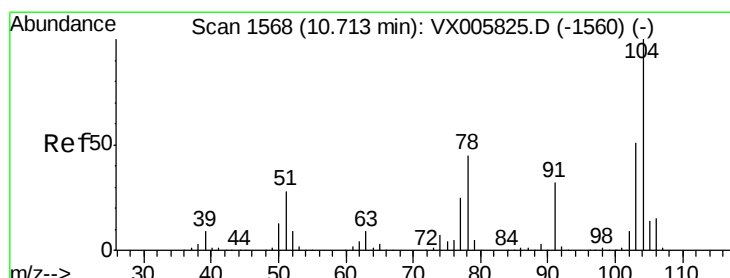
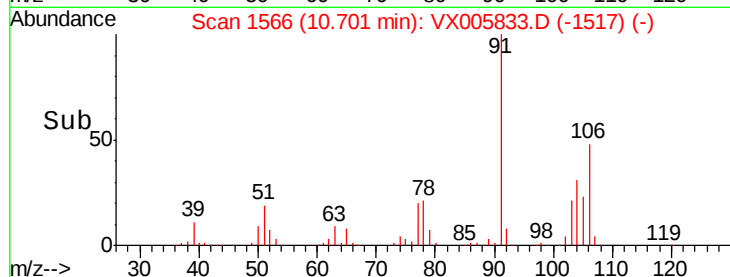
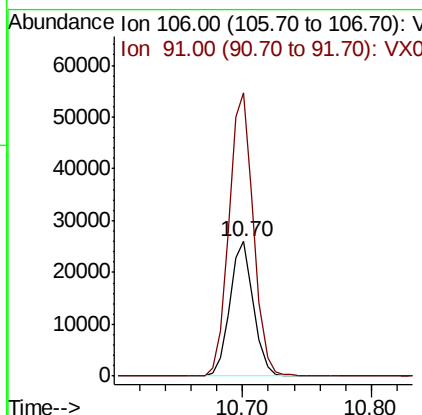
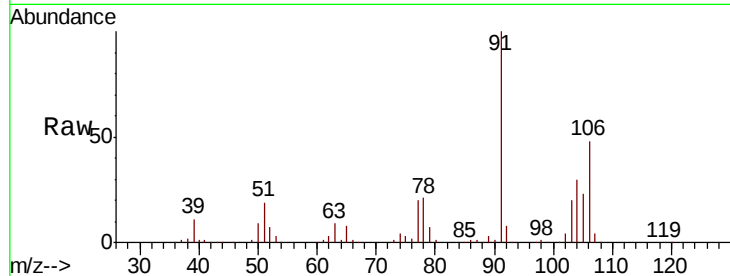
#69
o-Xylene
Concen: 22.740 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.6	108.5	325.5	

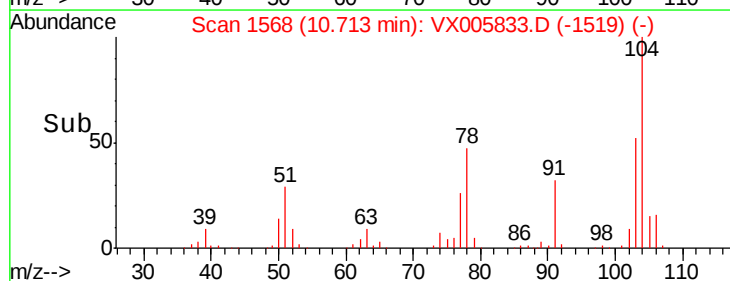
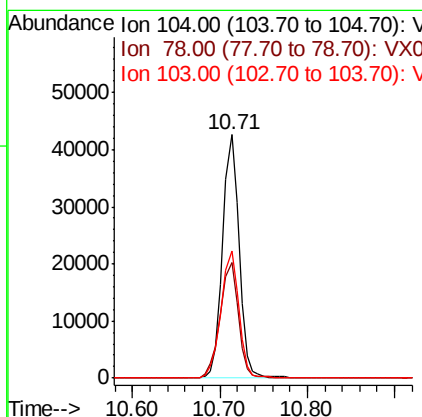
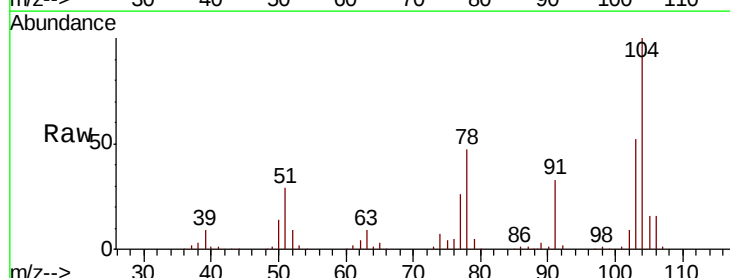
Manual Integrations
APPROVED

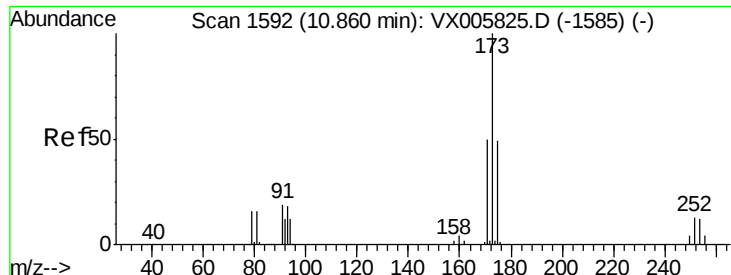
MMDadoda
11/8/2018 10:35:51 AM



#70
Styrene
Concen: 22.931 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.3	40.2	60.4	
103	56.6	44.9	67.3	





#71

Bromoform

Concen: 21.631 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBSD01

Tot Ion:173 Resp: 16969

Ion Ratio Lower Upper

173 100

175 48.7 24.8 74.3

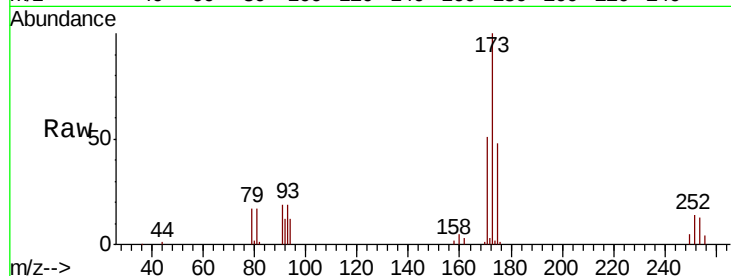
254 0.0 0.2 0.2#

Manual Integrations

APPROVED

MMDadoda

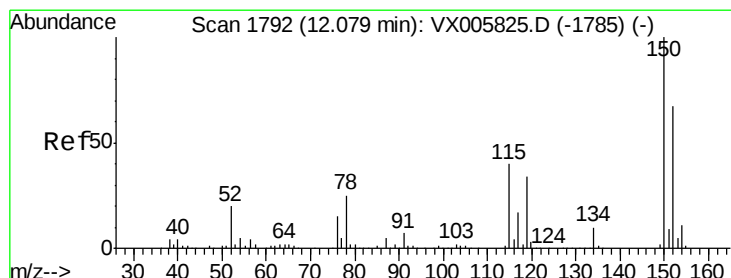
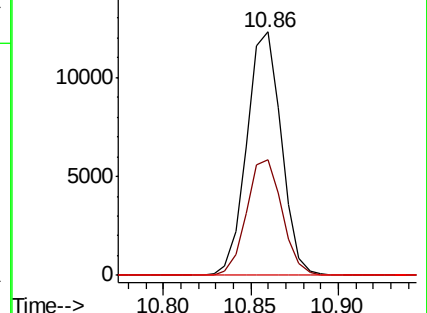
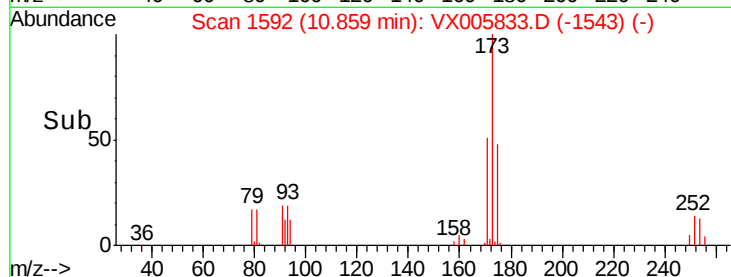
11/8/2018 10:35:51 AM



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: VX005833.D

Acq: 07 Nov 2018 17:44

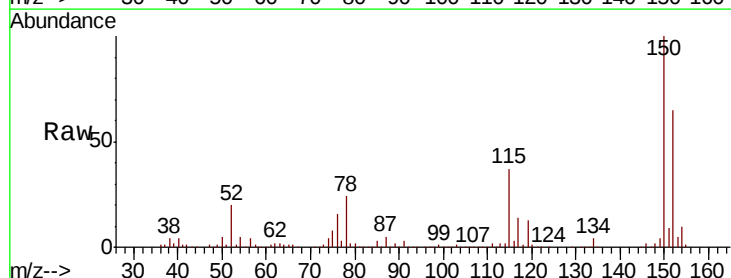
Tgt Ion:152 Resp: 73665

Ion Ratio Lower Upper

152 100

115 65.4 39.4 118.1

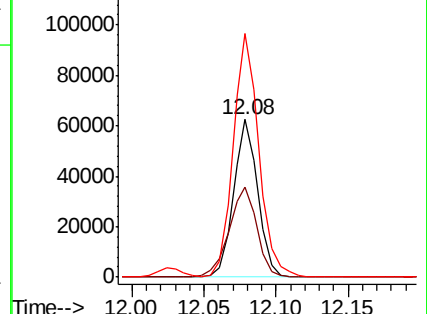
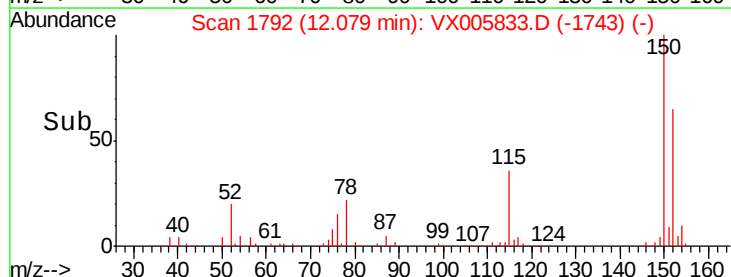
150 163.8 0.0 346.4

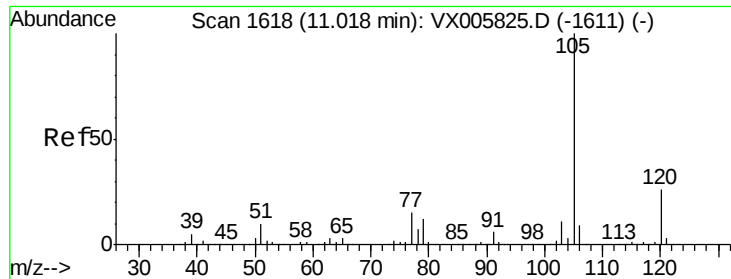


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





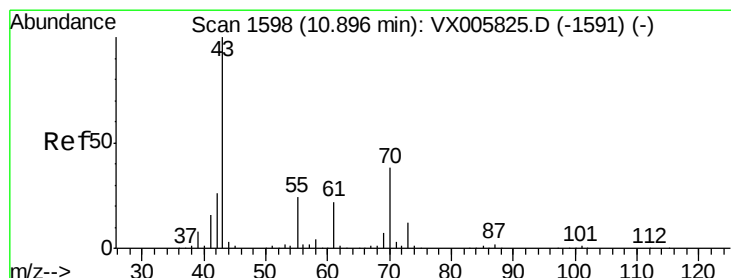
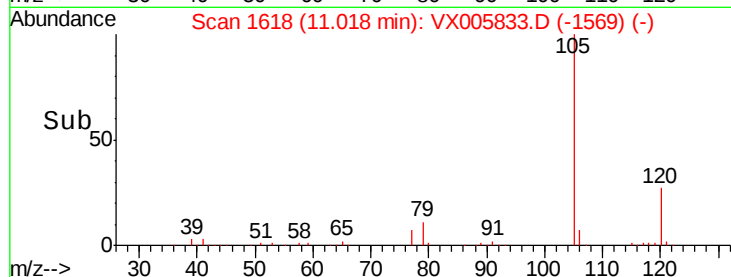
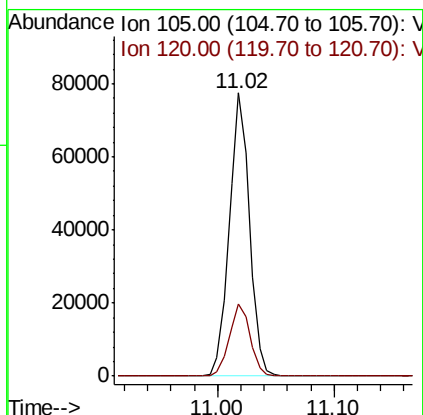
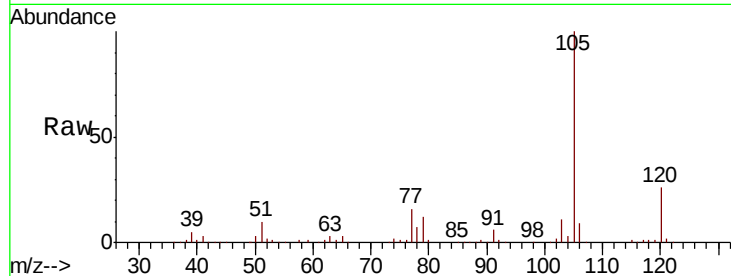
#73
Isopropylbenzene
Concen: 21.930 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBSD01

Tot Ion:105 Resp: 93421
Ion Ratio Lower Upper
105 100
120 26.1 13.1 39.3

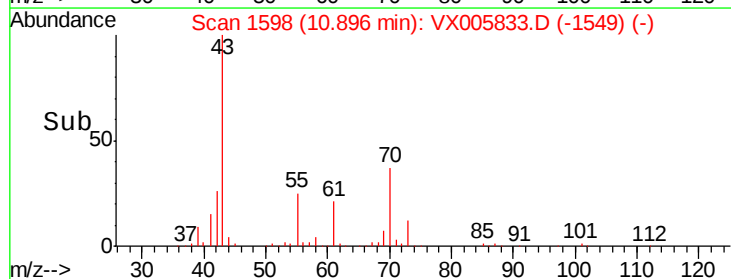
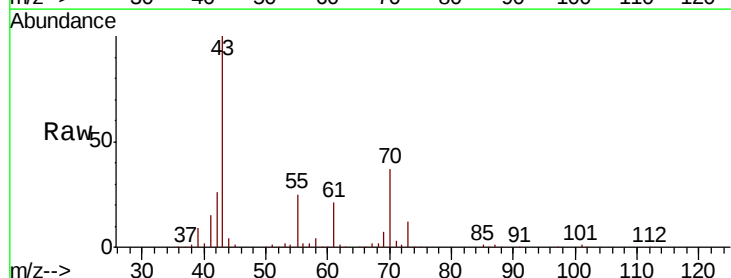
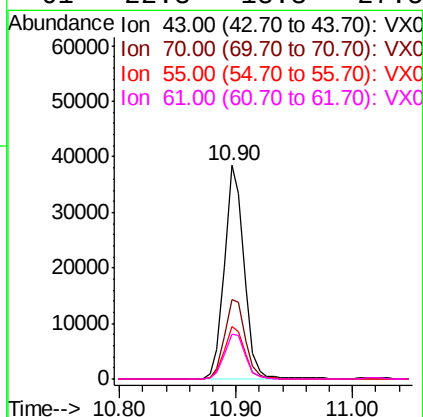
Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:51 AM



#74
N-ethyl acetate
Concen: 19.628 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Tgt Ion: 43 Resp: 45054
Ion Ratio Lower Upper
43 100
70 39.3 31.6 47.4
55 25.5 19.7 29.5
61 22.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.733 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

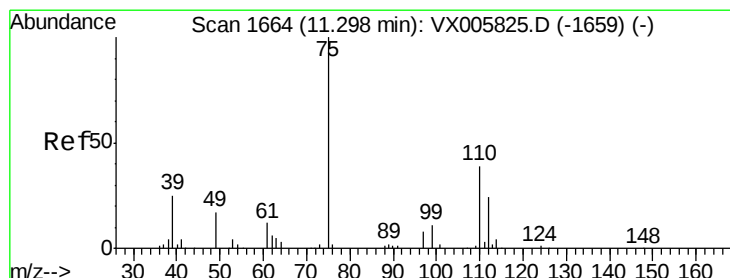
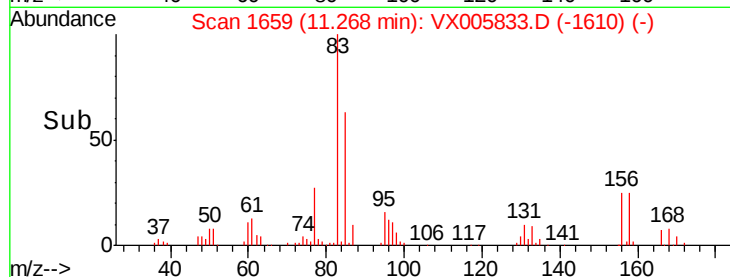
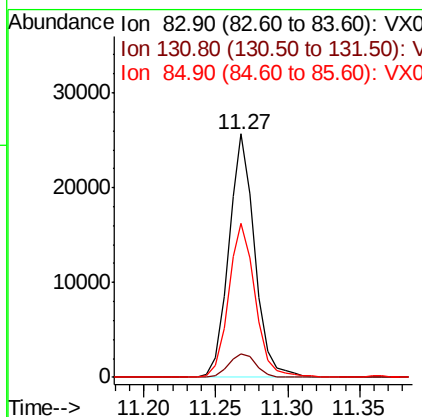
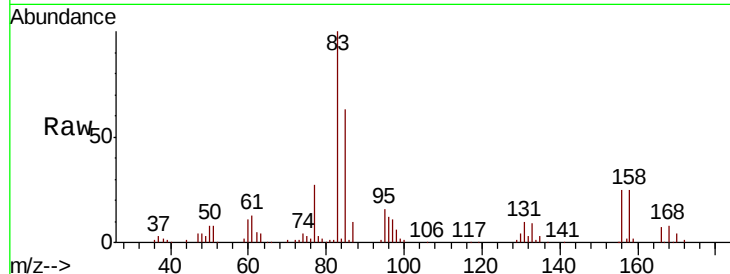
ClientSampleId :

VX1107WBSD01

Tot Ion:	83	Resp:	32418
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.9
85	65.2	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:51 AM



#76

1,2,3-Trichloropropane

Concen: 21.118 ug/l m

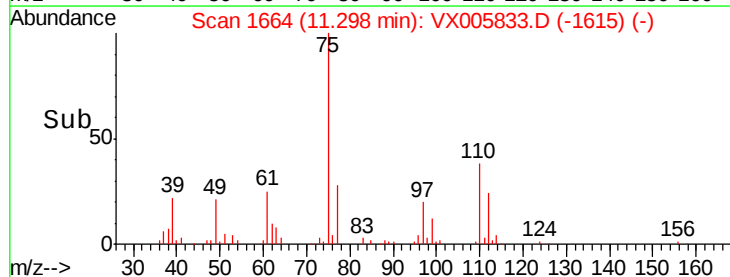
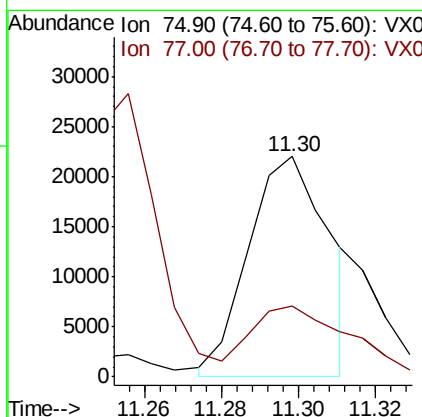
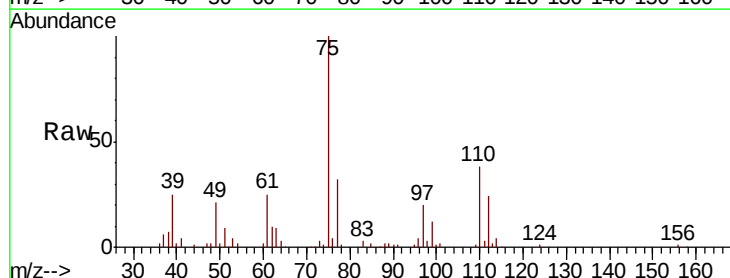
RT: 11.30 min Scan# 1664

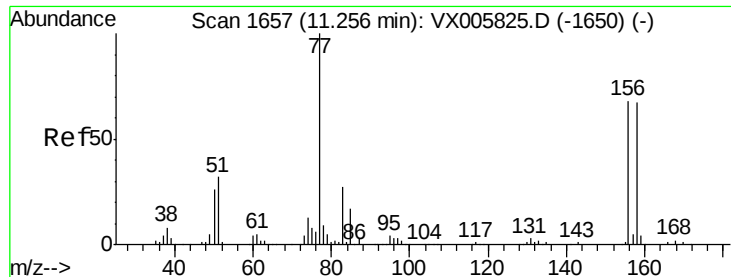
Delta R.T. -0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Tgt Ion:	75	Resp:	31676
Ion Ratio	Lower	Upper	
75	100		
77	40.0	20.5	61.6





#77

Bromobenzene

Concen: 20.641 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBSD01

Tot Ion:156 Resp: 24784

Ion Ratio Lower Upper

156 100

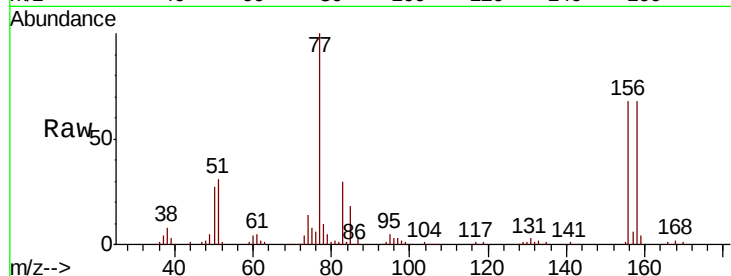
77 150.7 74.8 224.4

158 99.7 49.1 147.3

Manual Integrations
APPROVED

MMDadoda

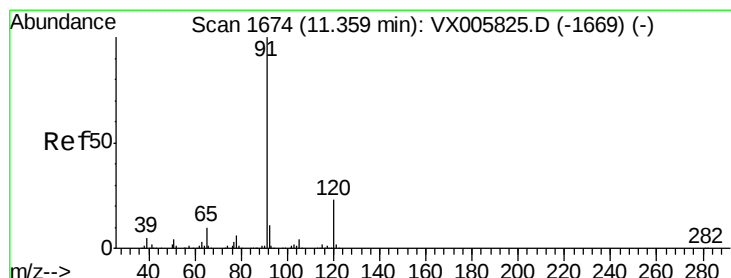
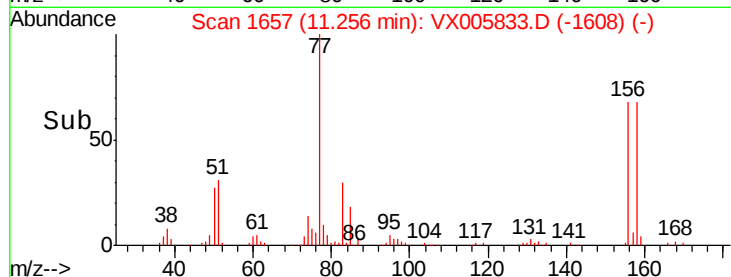
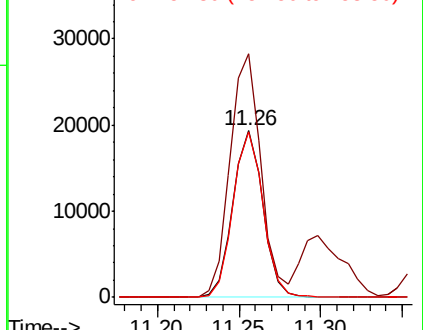
11/8/2018 10:35:51 AM



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: 21.404 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005833.D

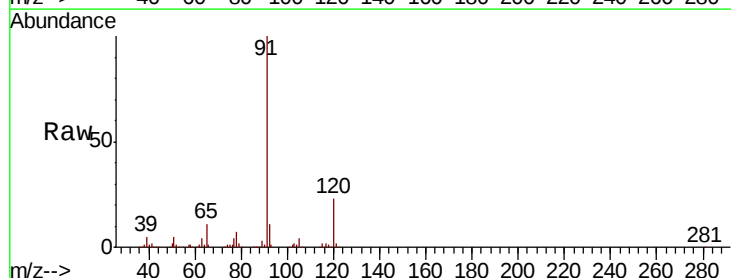
Acq: 07 Nov 2018 17:44

Tgt Ion: 91 Resp: 107459

Ion Ratio Lower Upper

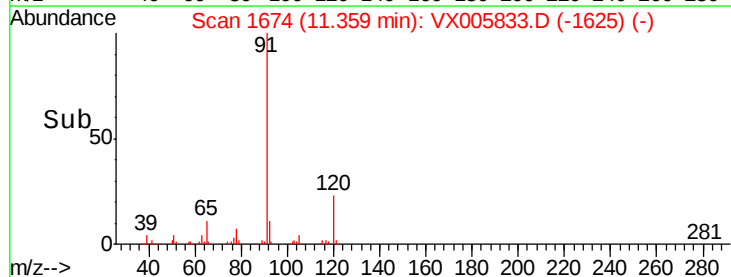
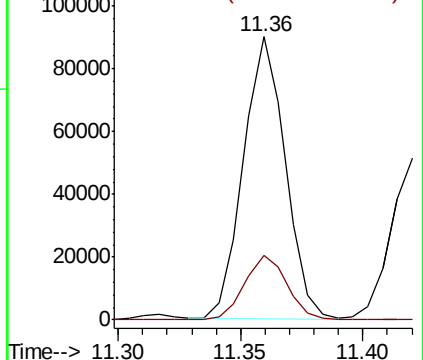
91 100

120 23.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





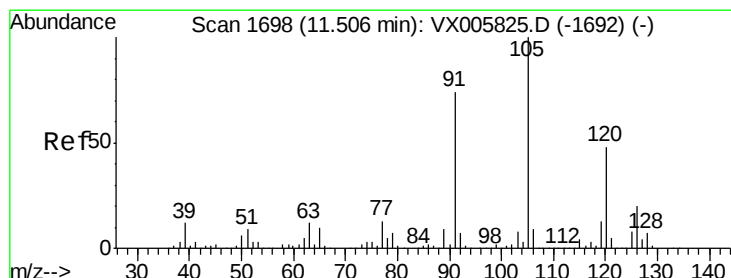
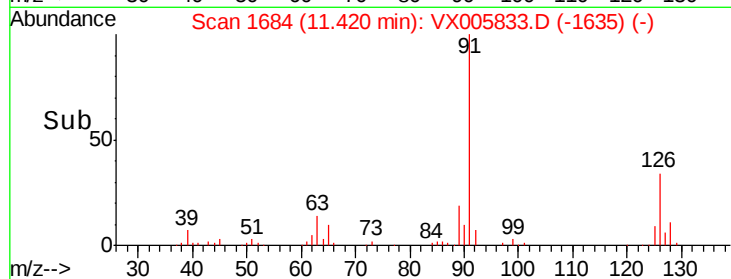
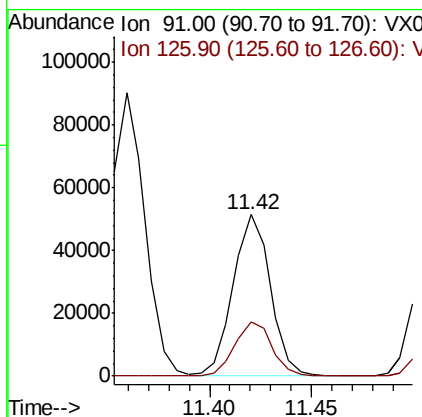
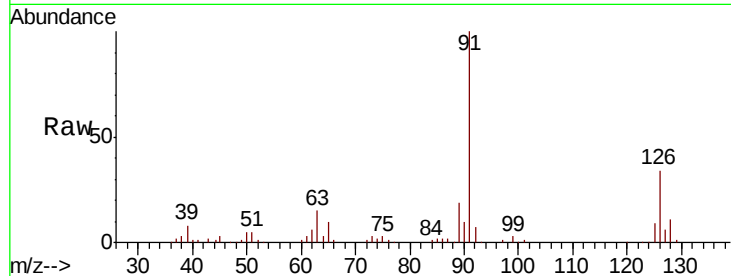
#79
 2-Chlorotoluene
 Concen: 21.308 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBSD01

Tot Ion: 91 Resp: 64661
 Ion Ratio Lower Upper
 91 100
 126 34.0 17.3 52.0

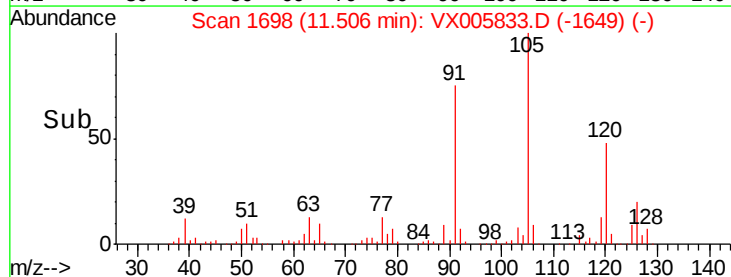
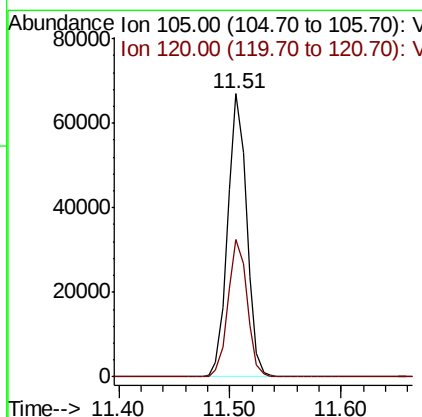
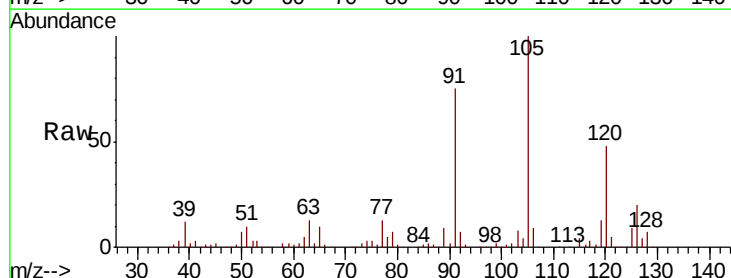
Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 10:35:51 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.791 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Tgt Ion: 105 Resp: 78885
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.1 72.2





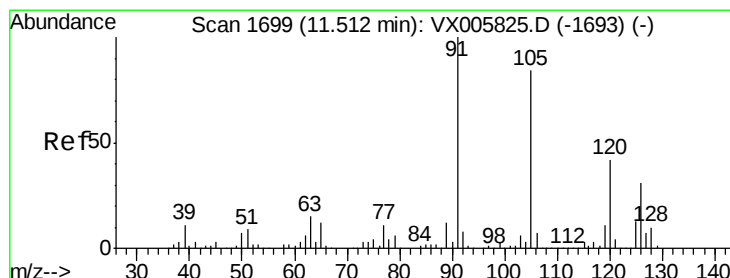
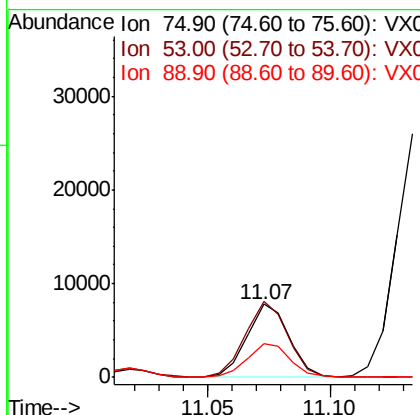
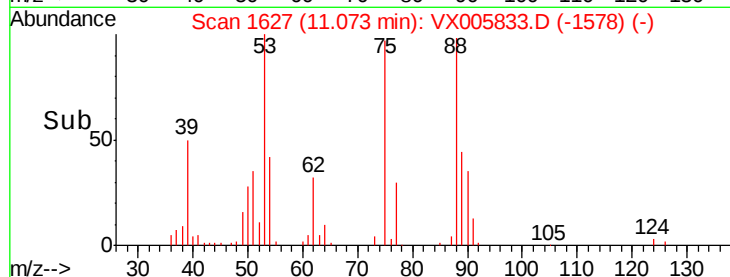
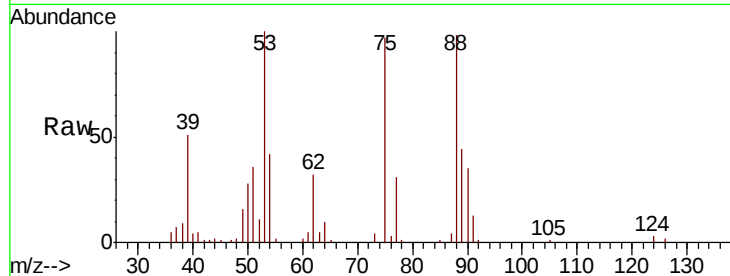
#81
trans-1,4-Dichloro-2-butene
Concen: 20.201 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Instrument :
MSVOA_X
ClientSampled :
VX1107WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.0	80.2	120.2
89	45.9	39.8	59.8

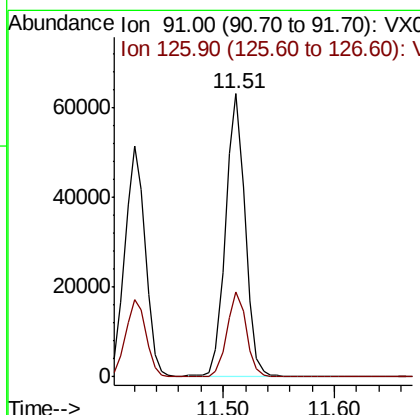
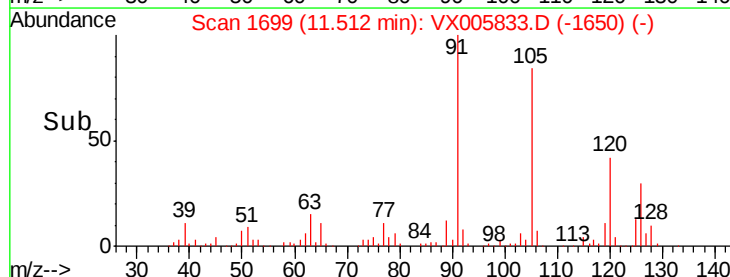
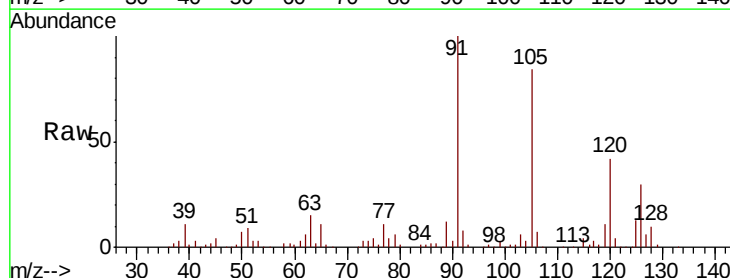
Manual Integrations
APPROVED

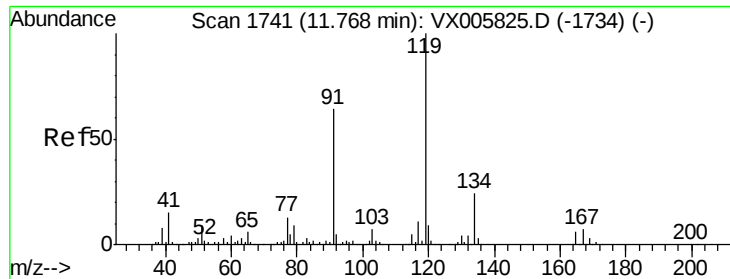
MMDadoda
11/8/2018 10:35:51 AM



#82
4-Chlorotoluene
Concen: 21.526 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.7	15.2	45.6





#83

tert-Butylbenzene

Concen: 20.839 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Instrument :

MSVOA_X

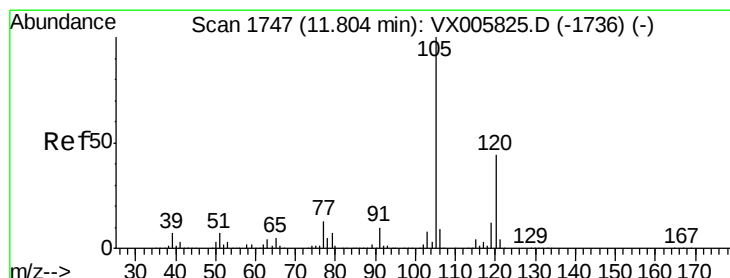
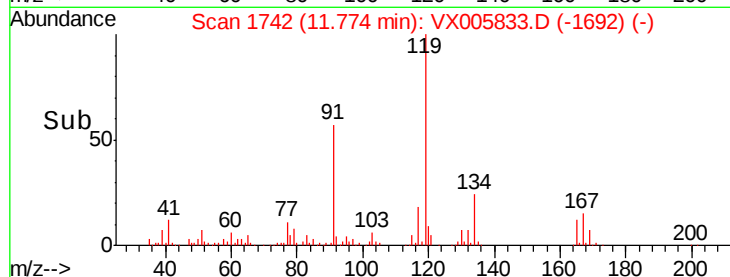
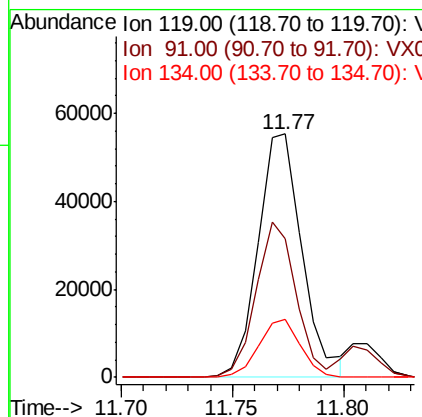
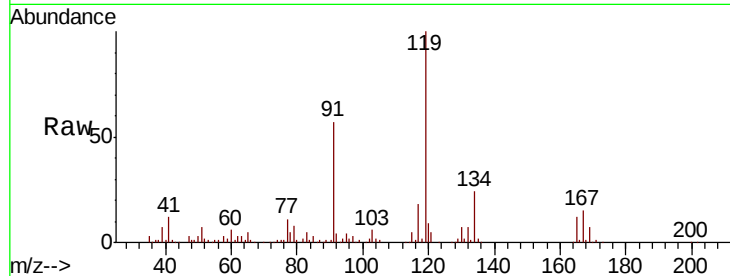
ClientSampleId :

VX1107WBSD01

Tot Ion:	119	Resp:	76320
Ion Ratio	Lower	Upper	
119	100		
91	58.1	28.5	85.5
134	22.6	11.3	33.8

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:51 AM



#84

1,2,4-Trimethylbenzene

Concen: 20.428 ug/l

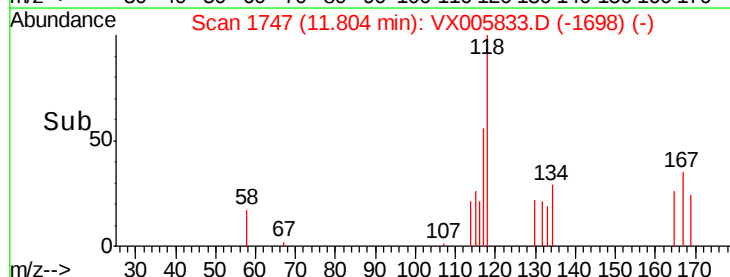
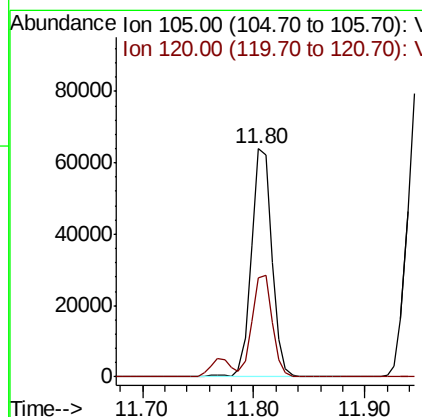
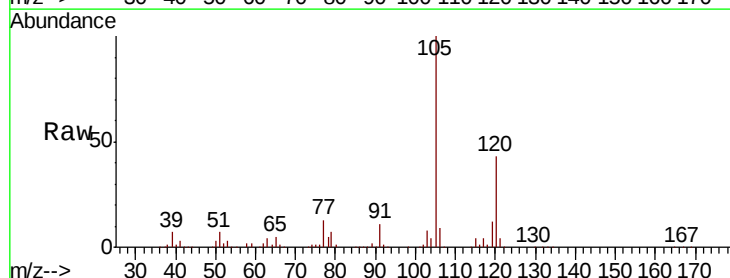
RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX005833.D

Acq: 07 Nov 2018 17:44

Tgt Ion:	105	Resp:	81895
Ion Ratio	Lower	Upper	
105	100		
120	43.8	22.4	67.0





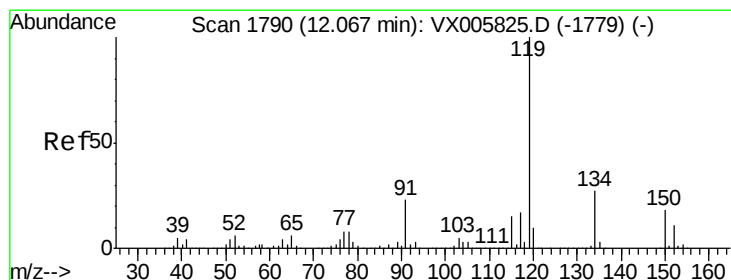
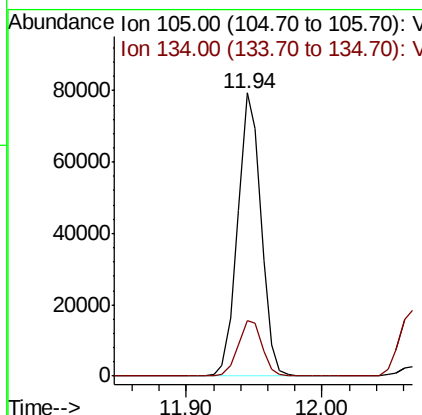
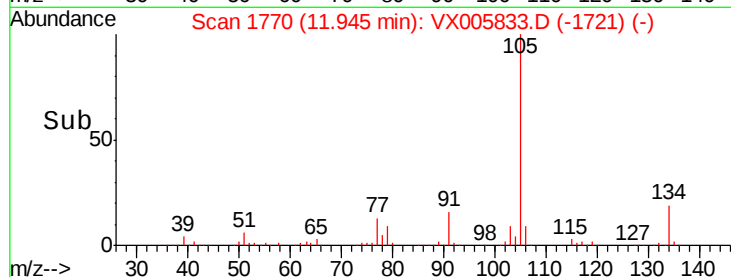
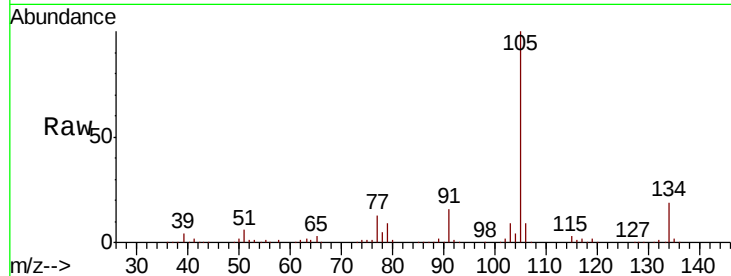
#85
 sec-Butylbenzene
 Concen: 21.122 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBSD01

Tot Ion:105 Resp: 94594
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.2 30.4

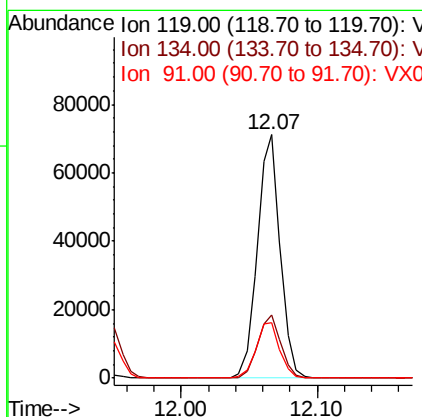
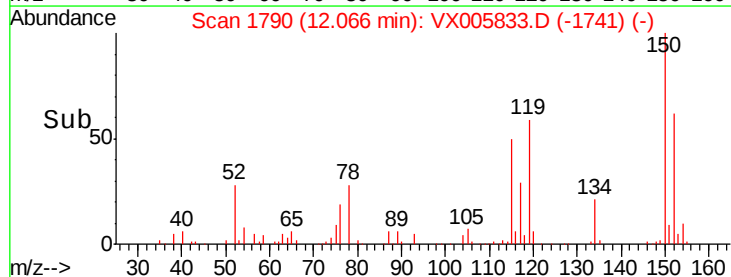
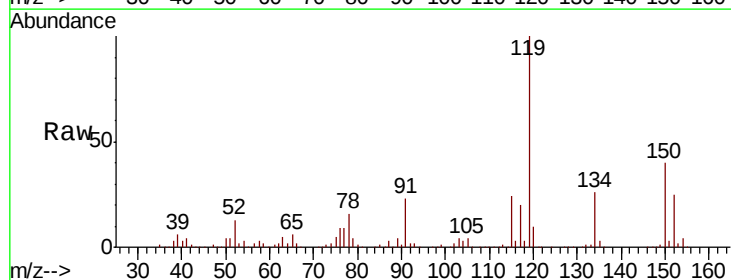
Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 10:35:51 AM



#86
 p-Isopropyltoluene
 Concen: 21.163 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Tgt Ion:119 Resp: 83952
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.0 39.0
 91 23.8 11.4 34.2





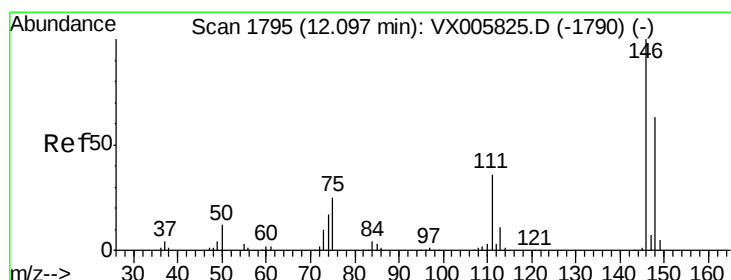
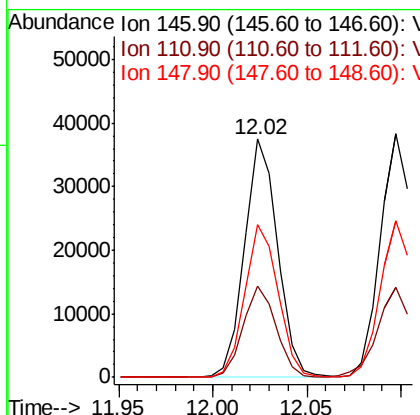
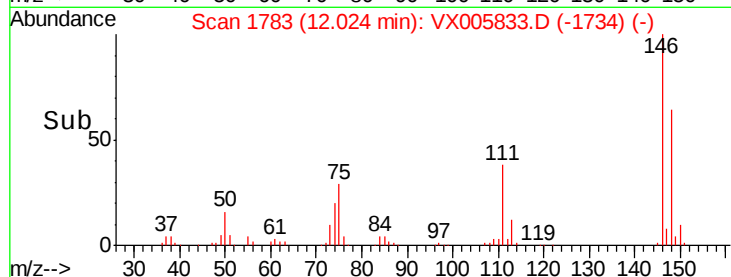
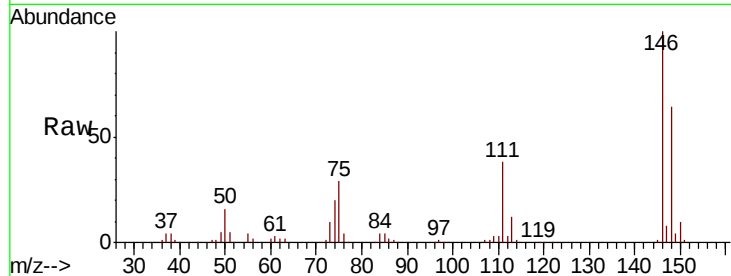
#87
 1,3-Dichlorobenzene
 Concen: 19.892 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.0	57.0
148	64.4	31.9	95.9

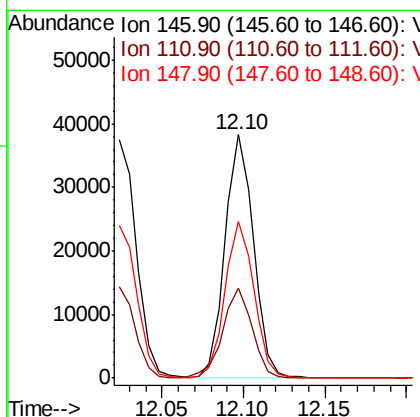
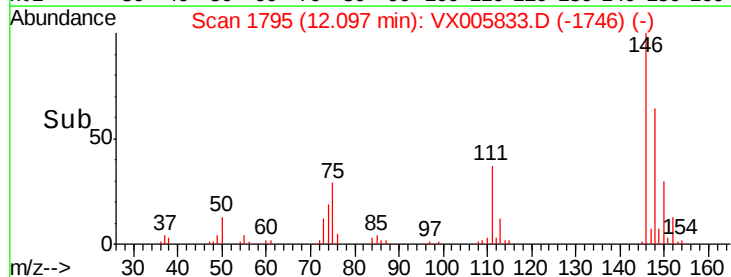
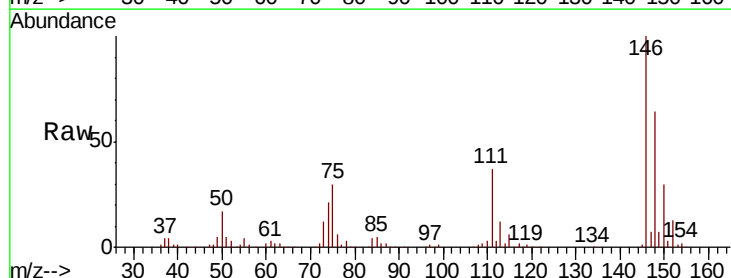
Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 10:35:51 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.767 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.6	55.8
148	65.4	32.1	96.3





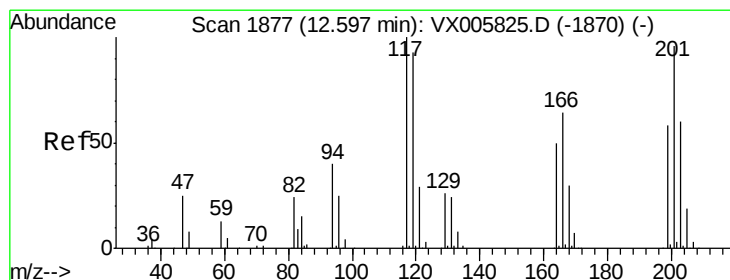
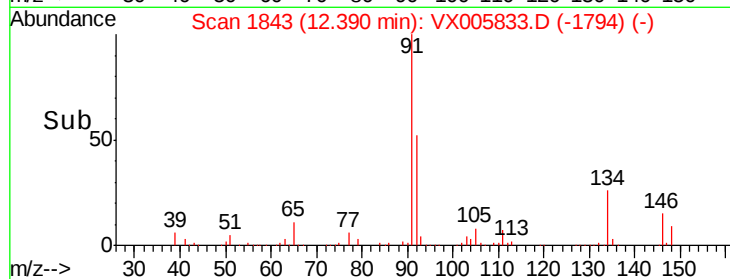
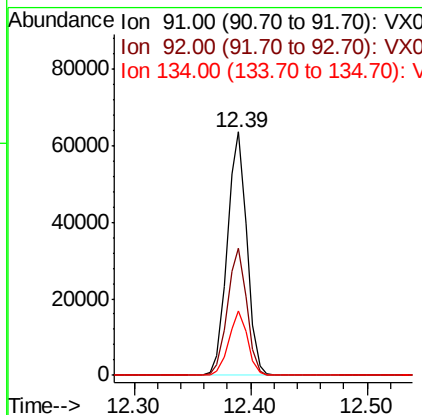
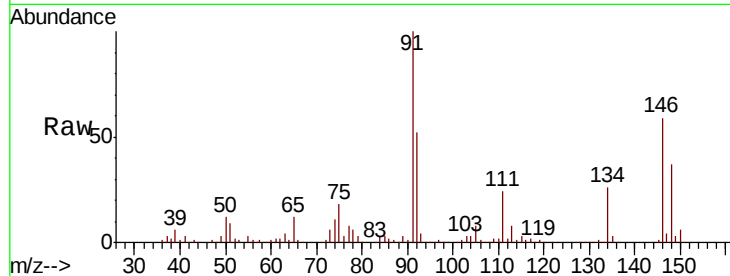
#89
n-Butylbenzene
Concen: 20.072 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.2
134	25.5	13.1	39.3

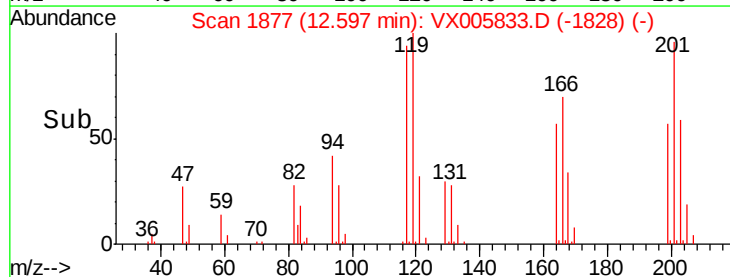
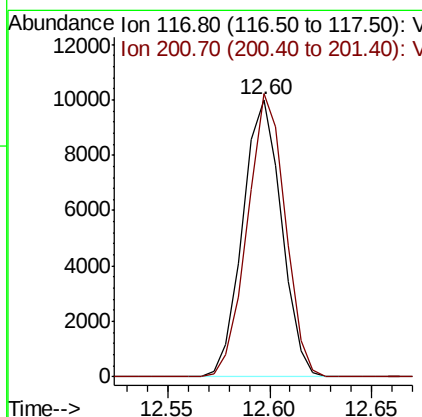
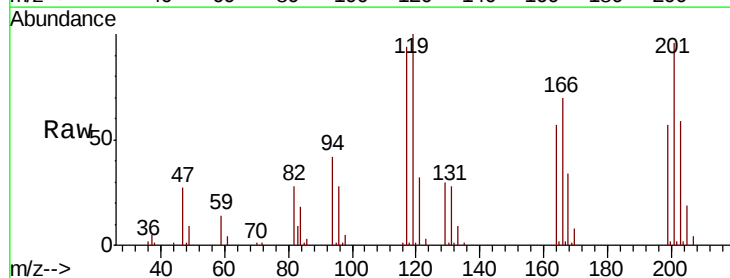
Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:51 AM



#90
Hexachloroethane
Concen: 19.967 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.7	47.9	143.6





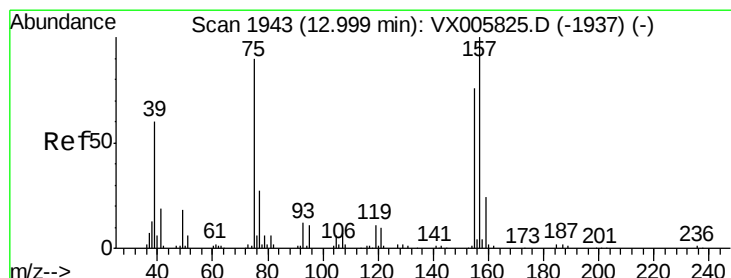
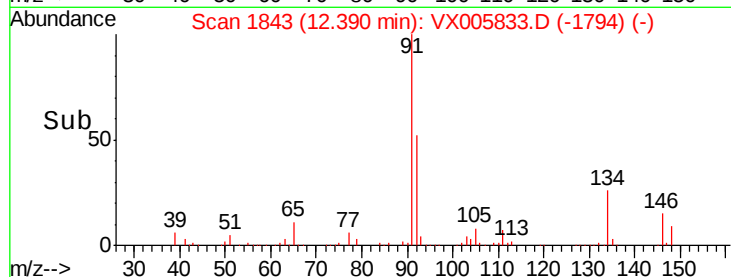
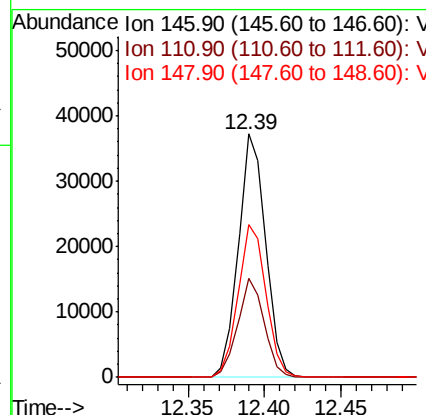
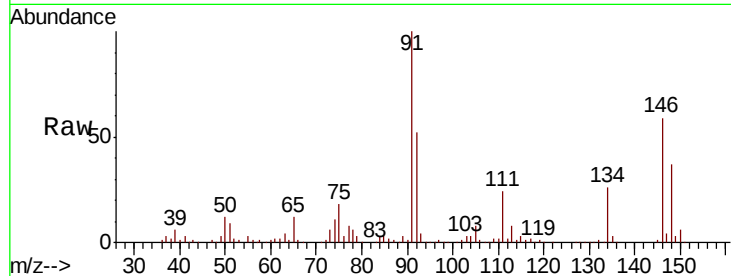
#91
 1,2-Dichlorobenzene
 Concen: 19.929 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	59.9
148	63.6	32.2	96.6

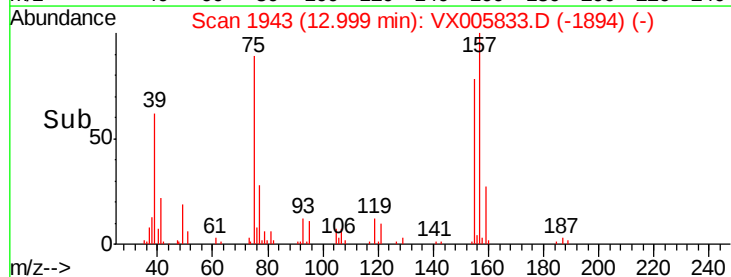
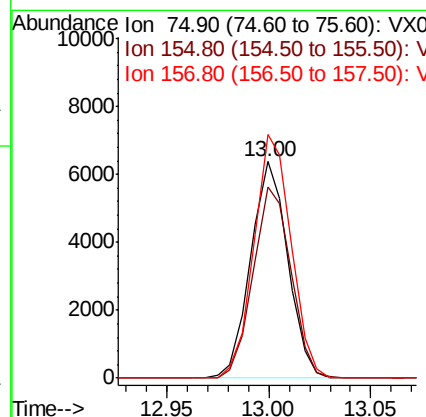
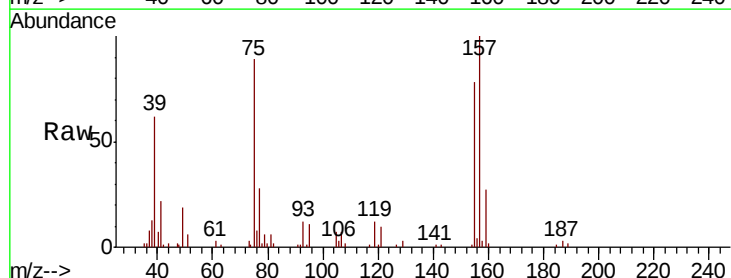
Manual Integrations
 APPROVED

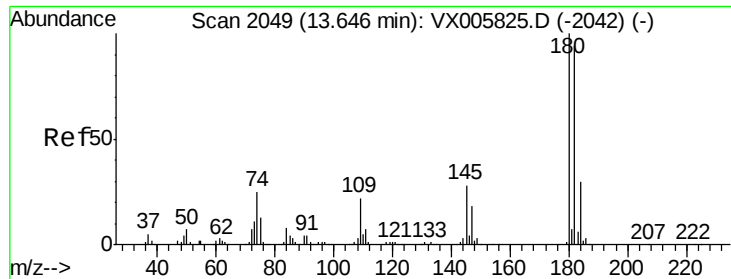
MMDadoda
 11/8/2018 10:35:51 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.166 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	45.4	136.1
157	112.3	57.4	172.0





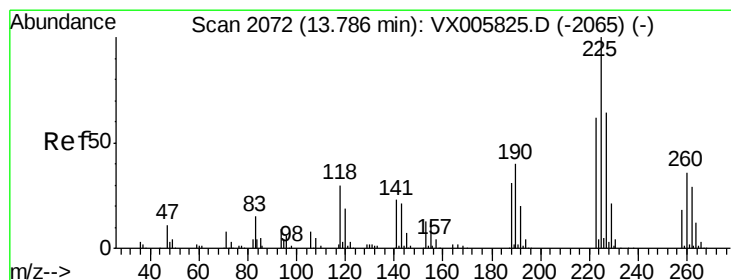
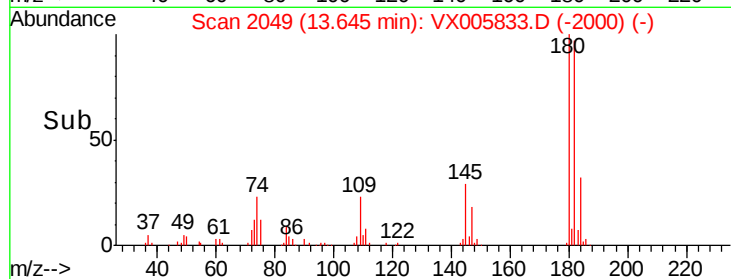
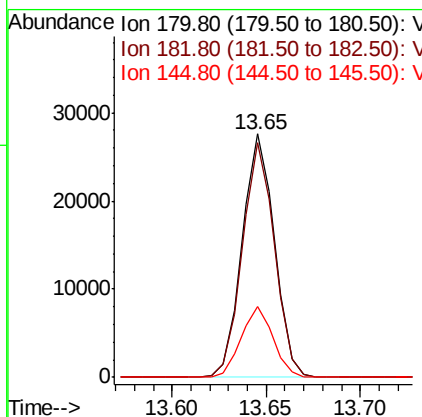
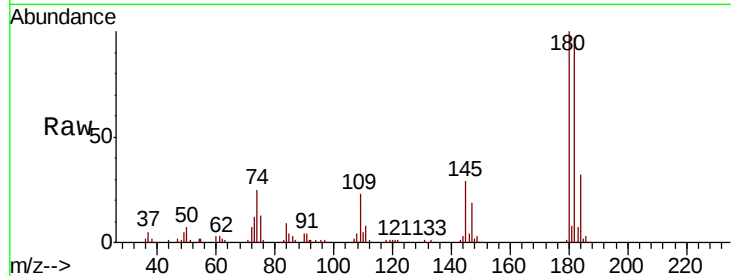
#93
 1,2,4-Trichlorobenzene
 Concen: 20.150 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	32746		
182	95.9	47.6	142.8	
145	28.8	14.1	42.2	

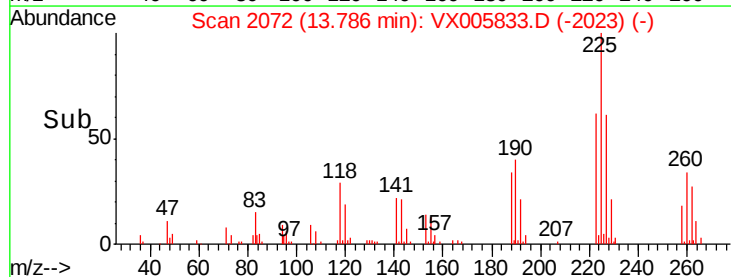
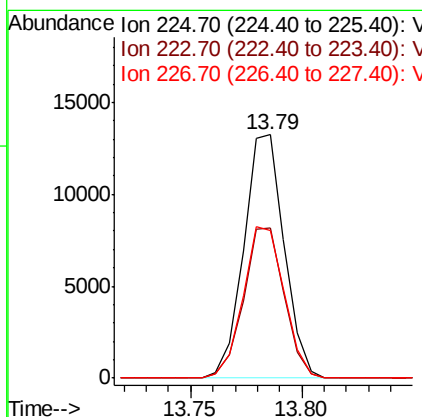
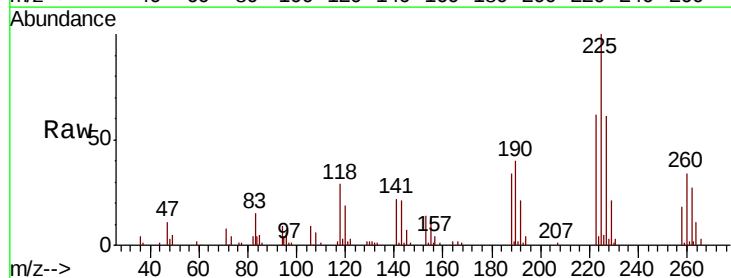
Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 10:35:51 AM



#94
 Hexachlorobutadiene
 Concen: 19.651 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005833.D
 Acq: 07 Nov 2018 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	16775		
223	62.1	31.7	95.1	
227	63.2	32.3	96.9	





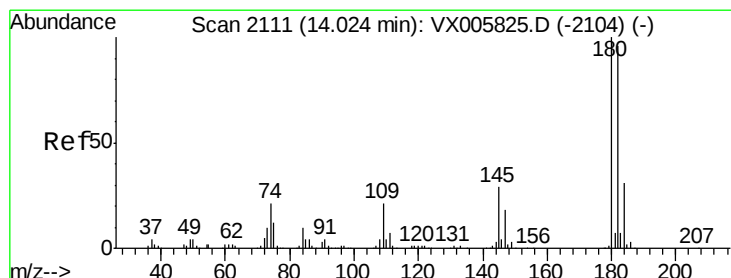
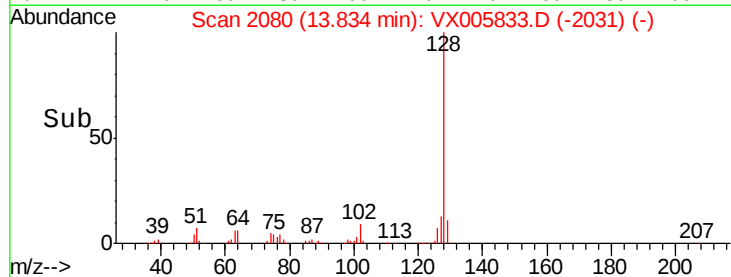
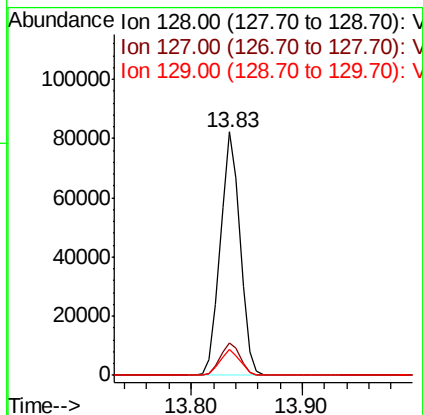
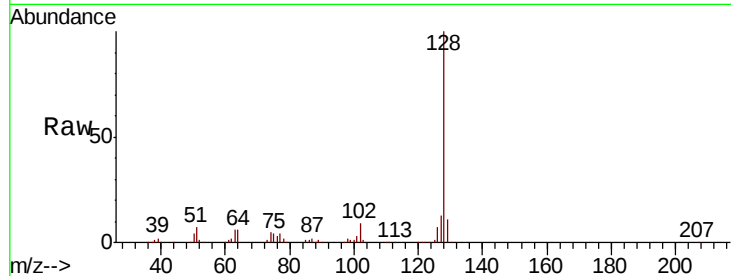
#95
Naphthalene
Concen: 19.799 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:51 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.797 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005833.D
Acq: 07 Nov 2018 17:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.2
145	30.1	15.1	45.3

