

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005921.D
 Acq On : 13 Nov 2018 01:19
 Operator : JC/MD
 Sample : VX1112WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/13/2018 12:19:31 PM

Quant Time: Nov 13 06:38:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	105609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	144652	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	130772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	71946	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	66570	54.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.66%	
35) Dibromofluoromethane	5.50	113	51400	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
50) Toluene-d8	8.71	98	178409	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	
62) 4-Bromofluorobenzene	11.14	95	65859	56.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	18658	19.595	ug/l	87
3) Chloromethane	1.32	50	22103	17.688	ug/l	100
4) Vinyl Chloride	1.41	62	22310	17.784	ug/l	97
5) Bromomethane	1.64	94	14458	18.833	ug/l	99
6) Chloroethane	1.72	64	13593	18.160	ug/l	95
7) Trichlorofluoromethane	1.93	101	32527	19.534	ug/l	96
8) Diethyl Ether	2.19	74	12599	19.309	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	18603	19.424	ug/l	99
10) Methyl Iodide	2.51	142	19582	16.871	ug/l	97
11) Tert butyl alcohol	3.07	59	33961	97.645	ug/l	98
12) 1,1-Dichloroethene	2.37	96	16873	18.076	ug/l	93
13) Acrolein	2.29	56	23716	151.211	ug/l	100
14) Allyl chloride	2.73	41	39136	18.772	ug/l	99
15) Acrylonitrile	3.15	53	72271	100.268	ug/l	98
16) Acetone	2.45	43	66210	101.284	ug/l	95
17) Carbon Disulfide	2.57	76	50211	18.033	ug/l	100
18) Methyl Acetate	2.78	43	38119	20.896	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	63496	19.930	ug/l	97
20) Methylene Chloride	2.85	84	21133	19.680	ug/l	88
21) trans-1,2-Dichloroethene	3.17	96	18673	18.966	ug/l	96
22) Diisopropyl ether	3.86	45	71315	19.527	ug/l	91
23) Vinyl Acetate	3.82	43	291231	93.004	ug/l	100
24) 1,1-Dichloroethane	3.69	63	37260	19.123	ug/l	98
25) 2-Butanone	4.70	43	98981	96.310	ug/l	91
26) 2,2-Dichloropropane	4.59	77	21768	15.230	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	20887	19.212	ug/l	94
28) Bromochloromethane	5.01	49	20674	23.741	ug/l	99
29) Tetrahydrofuran	5.15	42	63515	96.252	ug/l	99
30) Chloroform	5.21	83	35121	18.683	ug/l	95
31) Cyclohexane	5.57	56	30678	18.138	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	29414	18.759	ug/l	99
36) 1,1-Dichloropropene	5.80	75	24735	17.738	ug/l	97
37) Ethyl Acetate	4.85	43	35796	19.520	ug/l	99
38) Carbon Tetrachloride	5.78	117	26014	18.634	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005921.D
 Acq On : 13 Nov 2018 01:19
 Operator : JC/MD
 Sample : VX1112WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/13/2018 12:19:31 PM

Quant Time: Nov 13 06:38:23 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	26371	18.659	ug/l	100
40) Benzene	6.15	78	76607	18.845	ug/l	100
41) Methacrylonitrile	5.06	41	18919	19.093	ug/l	99
42) 1,2-Dichloroethane	6.20	62	29360	20.164	ug/l	99
43) Isopropyl Acetate	6.46	43	49705	18.706	ug/l	99
44) Trichloroethene	7.21	130	19338	18.731	ug/l	98
45) 1,2-Dichloropropane	7.51	63	20290	20.563	ug/l	91
46) Dibromomethane	7.66	93	12528	20.234	ug/l	98
47) Bromodichloromethane	7.90	83	24433	20.880	ug/l	99
48) Methyl methacrylate	7.77	41	24046	20.154	ug/l	99
49) 1,4-Dioxane	7.76	88	10531	409.609	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	167183	99.832	ug/l	99
52) Toluene	8.79	92	44304	19.500	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	24422	17.686	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	27141	19.284	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	18789	18.556	ug/l	98
56) Ethyl methacrylate	9.18	69	26840	17.715	ug/l	98
57) 1,3-Dichloropropane	9.37	76	30921	18.171	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	84055	106.722	ug/l	99
59) 2-Hexanone	9.49	43	130211	88.211	ug/l	100
60) Dibromochloromethane	9.59	129	18980	17.344	ug/l	99
61) 1,2-Dibromoethane	9.67	107	19354	17.285	ug/l	100
64) Tetrachloroethene	9.34	164	21660	19.454	ug/l	97
65) Chlorobenzene	10.14	112	50156	19.145	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	18258	20.046	ug/l	100
67) Ethyl Benzene	10.25	91	84129	20.027	ug/l	99
68) m/p-Xylenes	10.36	106	64481	40.241	ug/l	99
69) o-Xylene	10.70	106	30906	21.509	ug/l	99
70) Styrene	10.71	104	51524	21.738	ug/l	99
71) Bromoform	10.86	173	15347	20.101	ug/l #	99
73) Isopropylbenzene	11.02	105	85272	20.495	ug/l	100
74) N-amyl acetate	10.90	43	40438	18.140	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	29617	19.394	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	24558m	16.763	ug/l	
77) Bromobenzene	11.26	156	23110	19.707	ug/l	99
78) n-propylbenzene	11.36	91	97539	19.892	ug/l	99
79) 2-Chlorotoluene	11.42	91	59924	20.219	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	72667	20.553	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	7880	17.144	ug/l	95
82) 4-Chlorotoluene	11.51	91	69690	19.952	ug/l	100
83) tert-Butylbenzene	11.77	119	69945	19.555	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	74633	19.053	ug/l	99
85) sec-Butylbenzene	11.94	105	85963	19.653	ug/l	99
86) p-Isopropyltoluene	12.07	119	77072	19.893	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	41727	18.541	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	42689	18.529	ug/l	99
89) n-Butylbenzene	12.39	91	65001	18.102	ug/l	99
90) Hexachloroethane	12.60	117	12182	18.833	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	42516	18.858	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	7405	19.871	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
Data File : VX005921.D
Acq On : 13 Nov 2018 01:19
Operator : JC/MD
Sample : VX1112WBS02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:31 PM

Quant Time: Nov 13 06:38:23 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	30190	19.021	ug/l	100
94) Hexachlorobutadiene	13.78	225	15072	18.078	ug/l	100
95) Naphthalene	13.83	128	91682	18.473	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	31766	19.645	ug/l	99

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

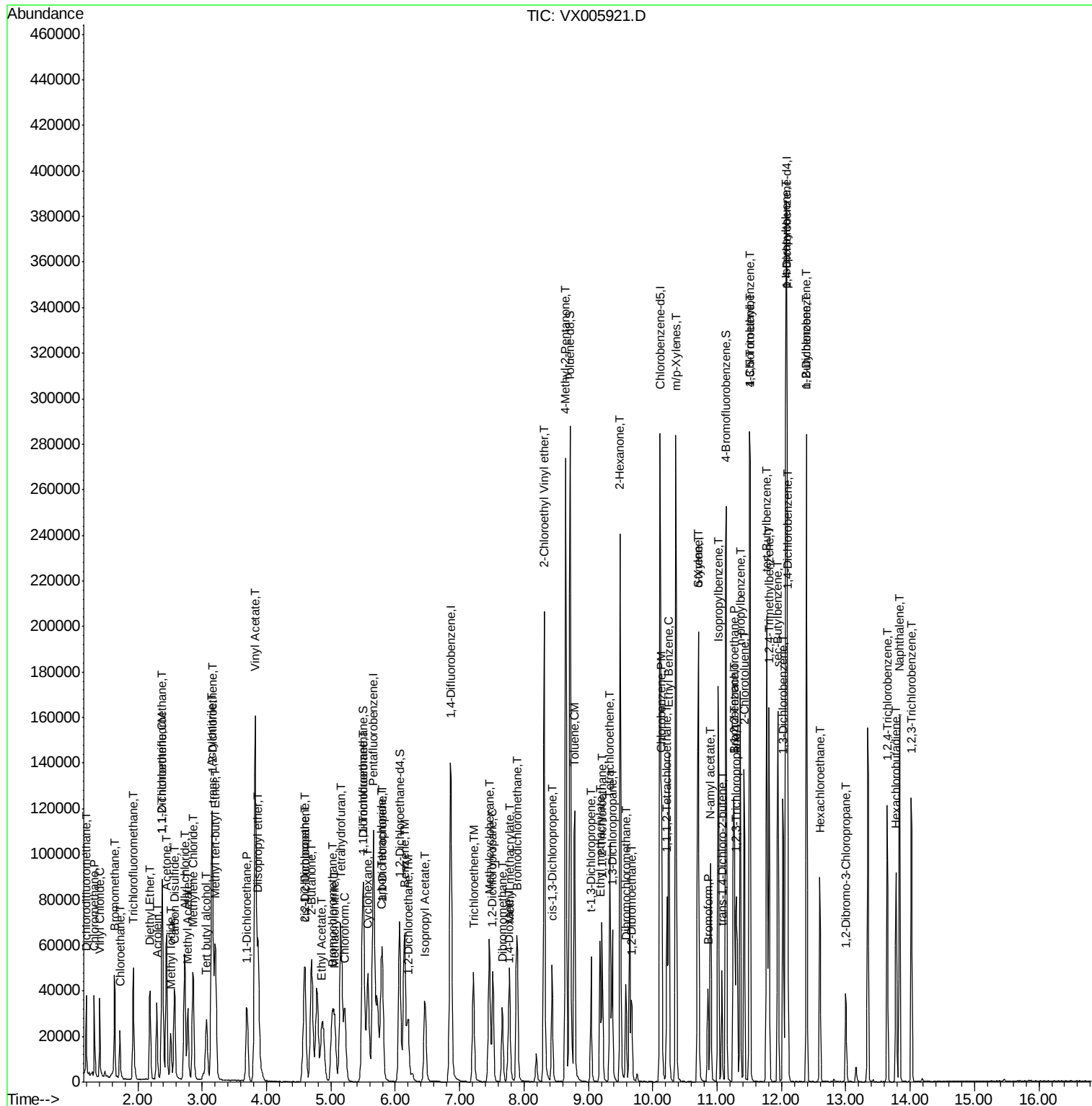
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111218\
Data File : VX005921.D
Acq On : 13 Nov 2018 01:19
Operator : JC/MD
Sample : VX1112WBS02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 33 Sample Multiplier: 1

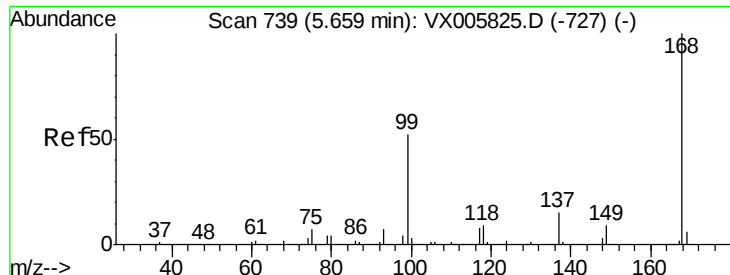
Instrument :
MSVOA_X
Client Sample Id :
VX1112WBS02

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:31 PM

Quant Time: Nov 13 06:38:23 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion:168 Resp: 105609

Ion Ratio Lower Upper

168 100

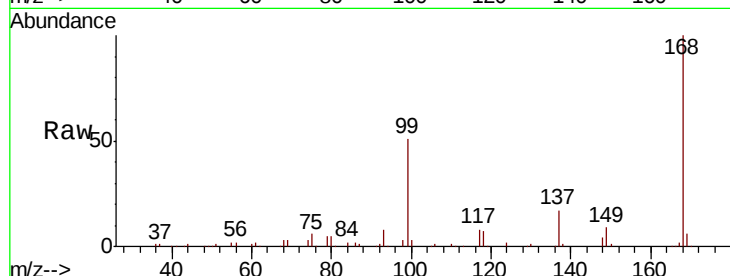
99 50.8 40.7 61.1

Manual Integrations

APPROVED

MMDadoda

11/13/2018 12:19:31 PM

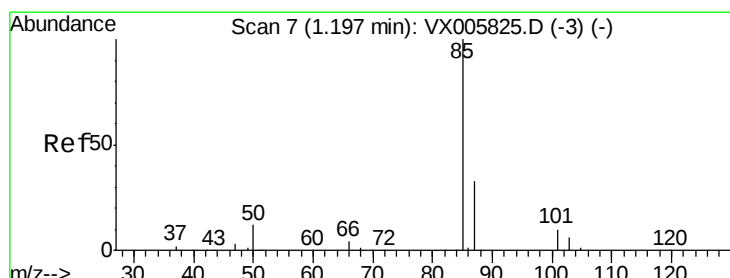
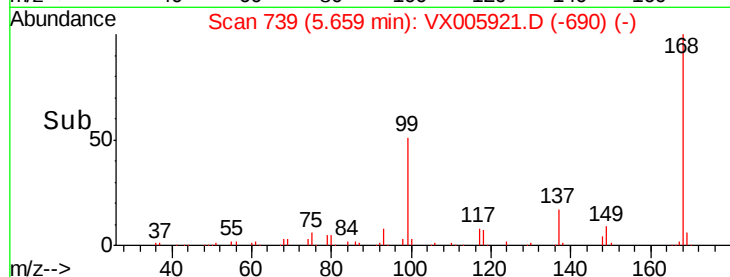


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 19.595 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005921.D

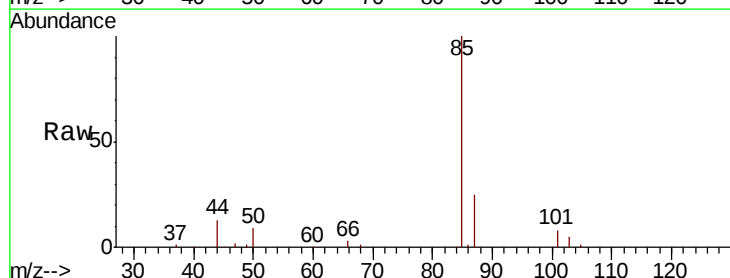
Acq: 13 Nov 2018 01:19

Tgt Ion: 85 Resp: 18658

Ion Ratio Lower Upper

85 100

87 25.2 16.3 48.9

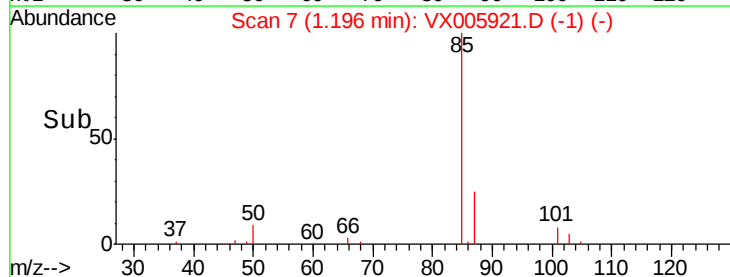


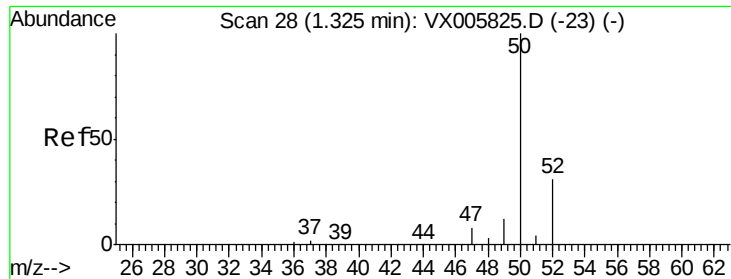
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 17.688 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Tot Ion: 50 Resp: 22103

Ion Ratio Lower Upper

50 100

52 32.6 26.2 39.2

Instrument :

MSVOA_X

ClientSampleId :

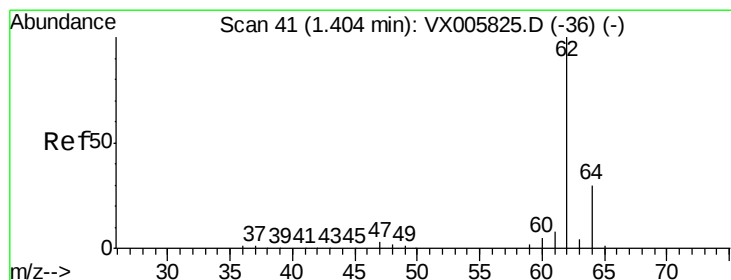
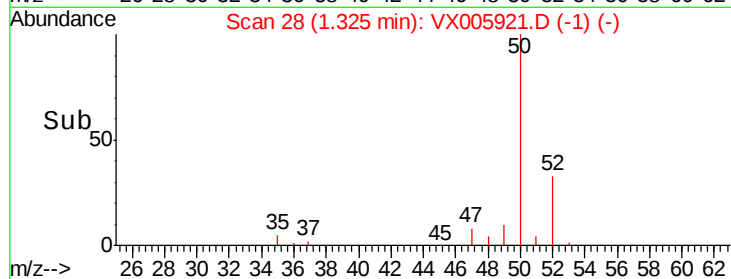
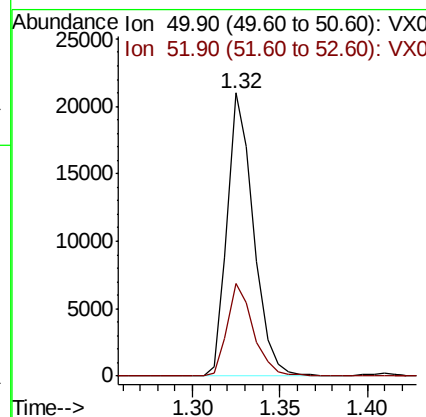
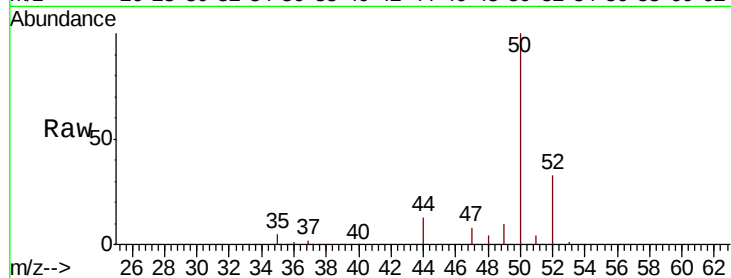
VX1112WBS02

Manual Integrations

APPROVED

MMDadoda

11/13/2018 12:19:31 PM



#4

Vinyl Chloride

Concen: 17.784 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005921.D

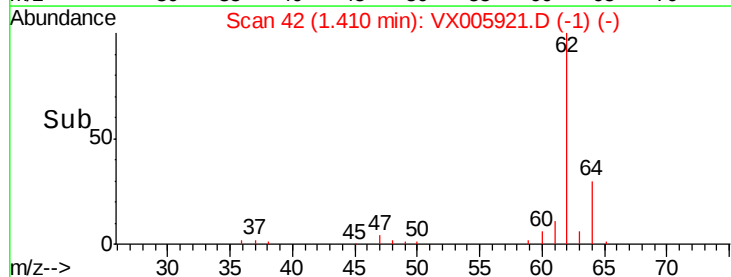
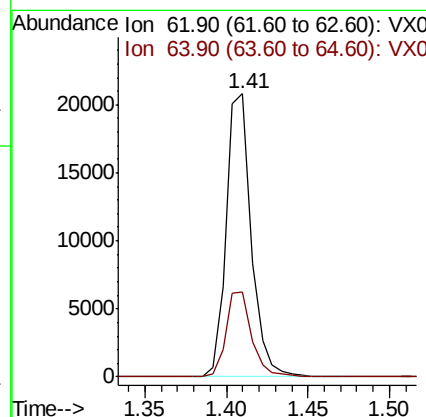
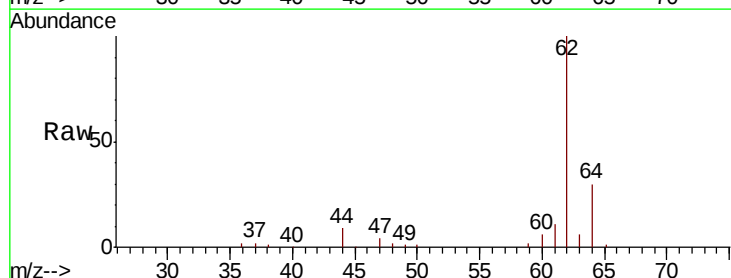
Acq: 13 Nov 2018 01:19

Tgt Ion: 62 Resp: 22310

Ion Ratio Lower Upper

62 100

64 29.8 25.3 37.9





#5

Bromomethane

Concen: 18.833 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 94 Resp: 14458

Ion Ratio Lower Upper

94 100

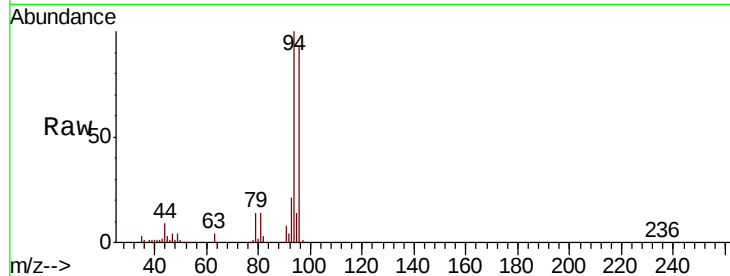
96 92.9 75.2 112.8

Manual Integrations

APPROVED

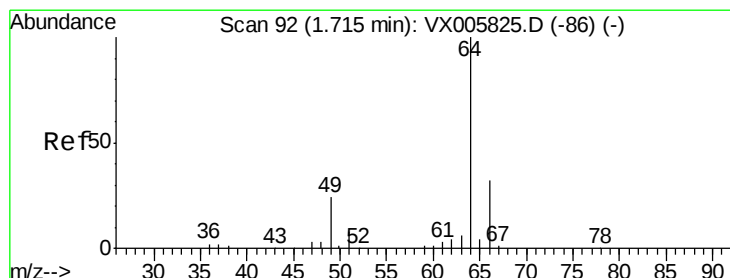
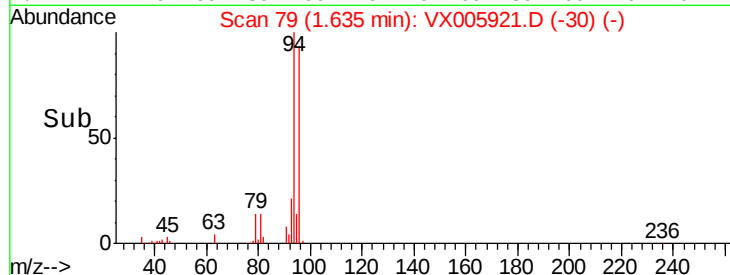
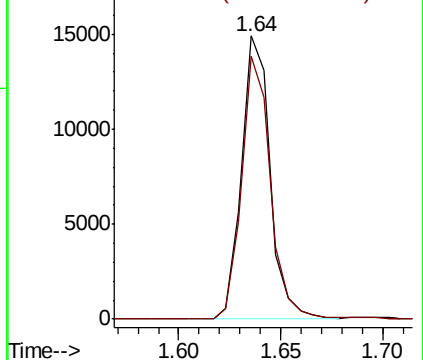
MMDadoda

11/13/2018 12:19:31 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.160 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005921.D

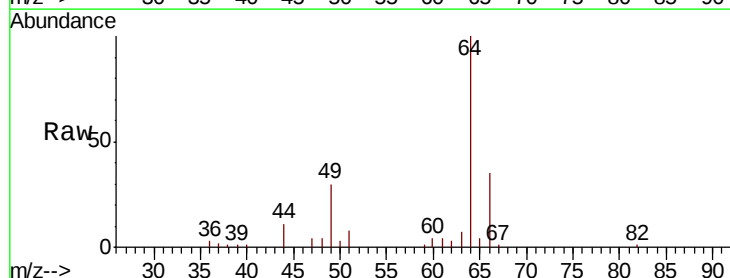
Acq: 13 Nov 2018 01:19

Tgt Ion: 64 Resp: 13593

Ion Ratio Lower Upper

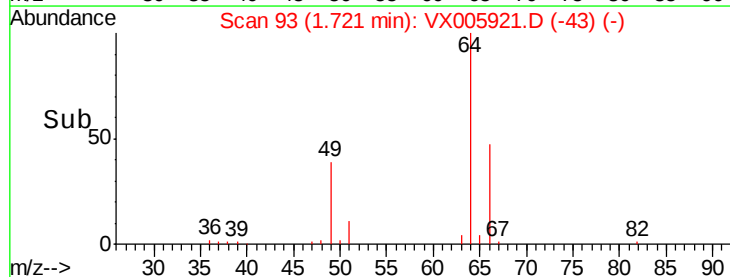
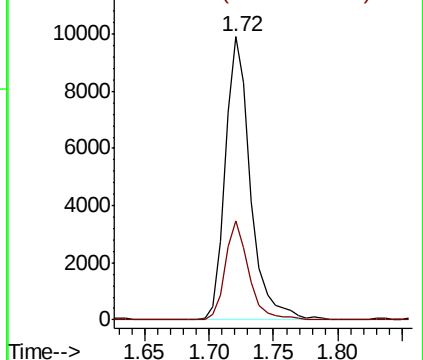
64 100

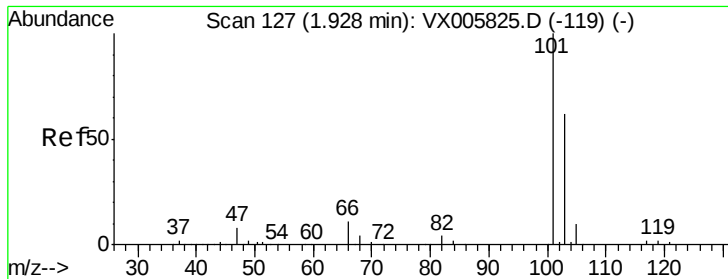
66 35.2 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

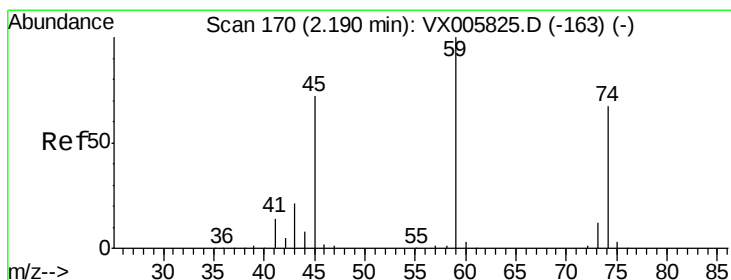
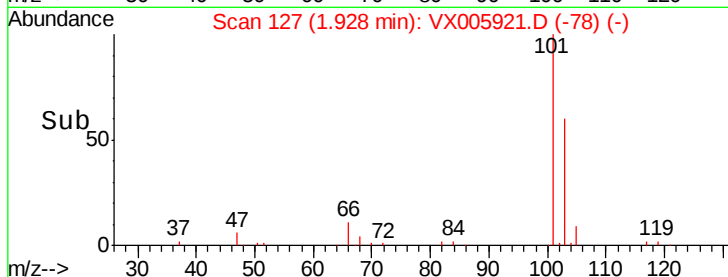
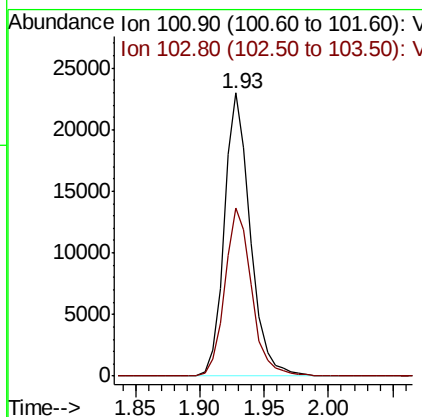
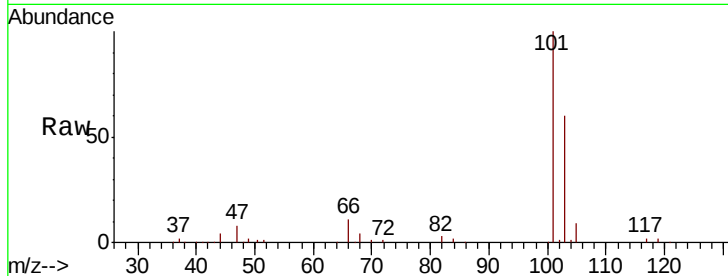
Trichlorofluoromethane
Concen: 19.534 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion:101 Resp: 32527
Ion Ratio Lower Upper
101 100
103 59.6 50.0 75.0

Manual Integrations
APPROVED

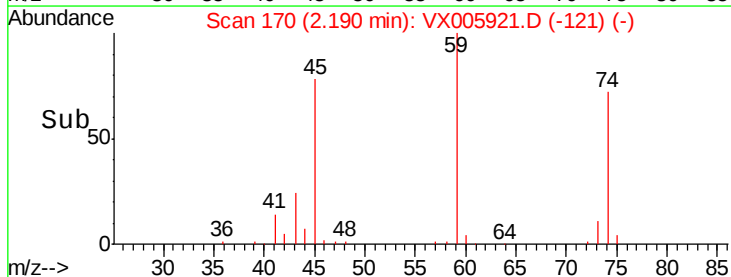
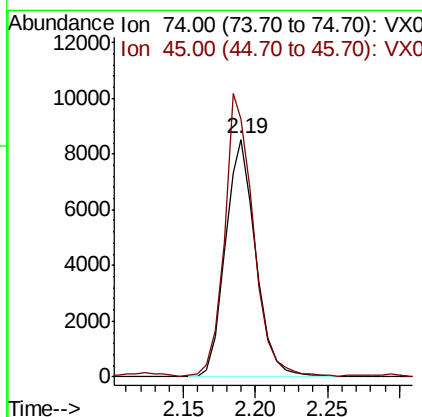
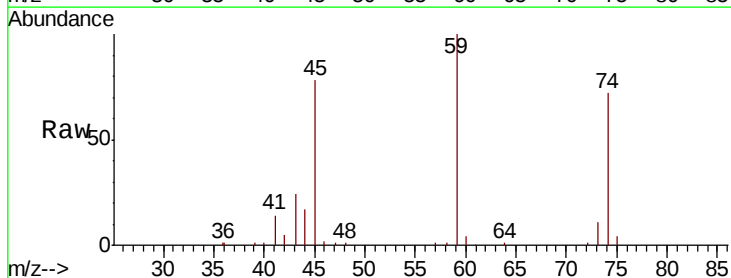
MMDadoda
11/13/2018 12:19:31 PM

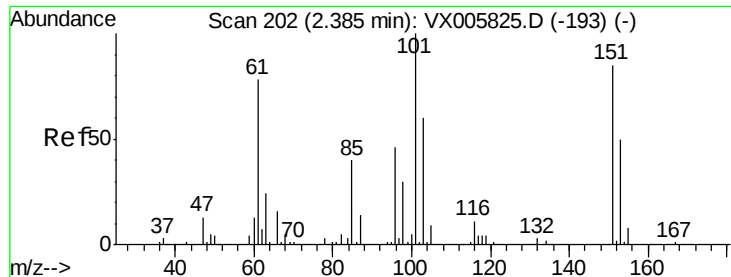


#8

Diethyl Ether
Concen: 19.309 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tgt Ion: 74 Resp: 12599
Ion Ratio Lower Upper
74 100
45 114.0 54.1 162.3





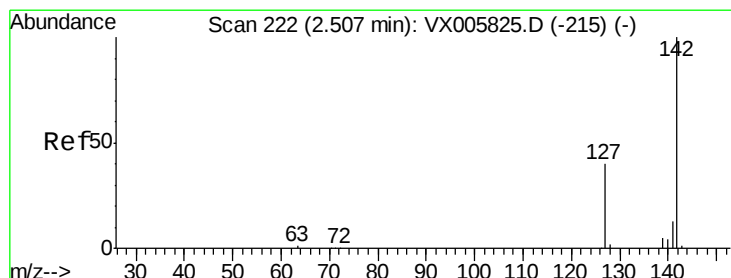
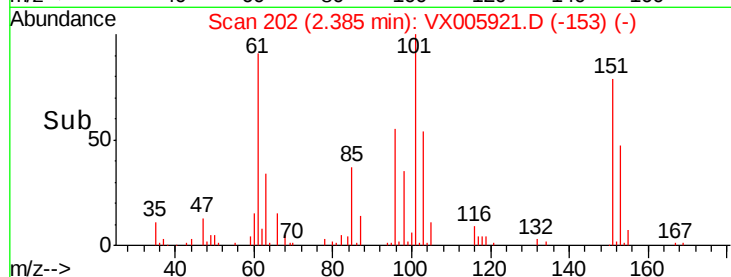
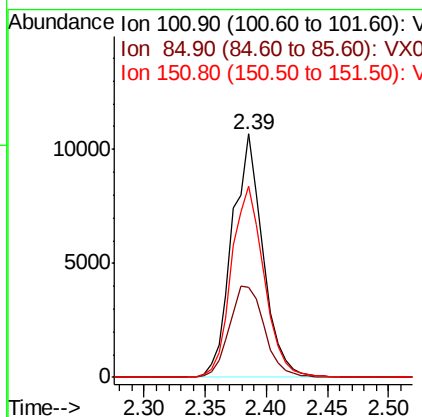
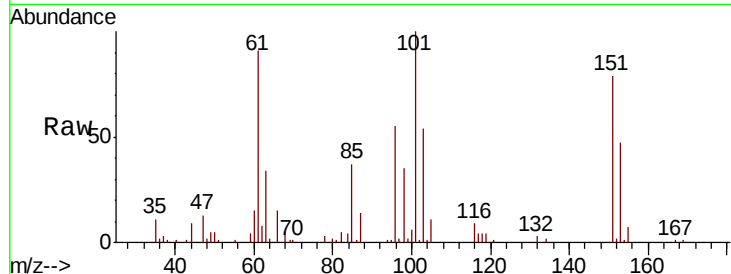
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.424 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX005921.D
 Acq: 13 Nov 2018 01:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	18603		
85	42.5	35.0	52.4	
151	82.8	66.2	99.2	

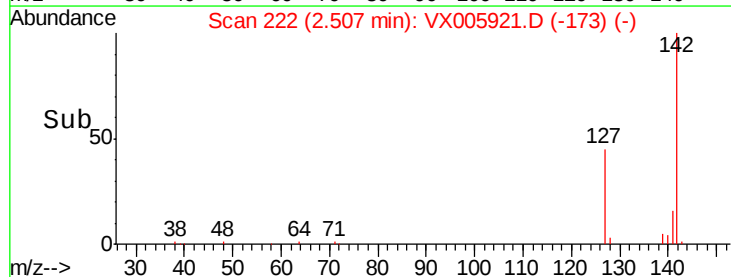
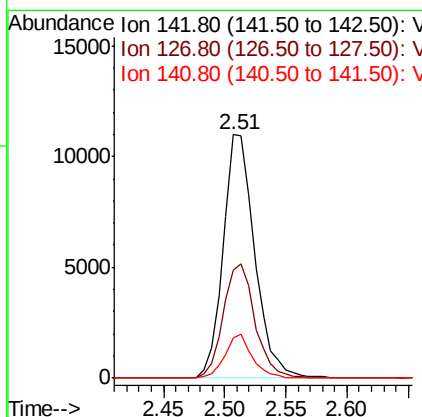
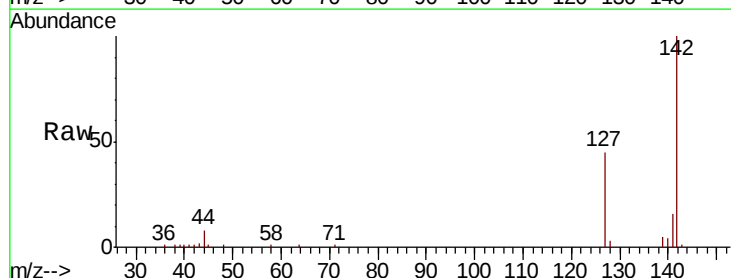
Manual Integrations
 APPROVED

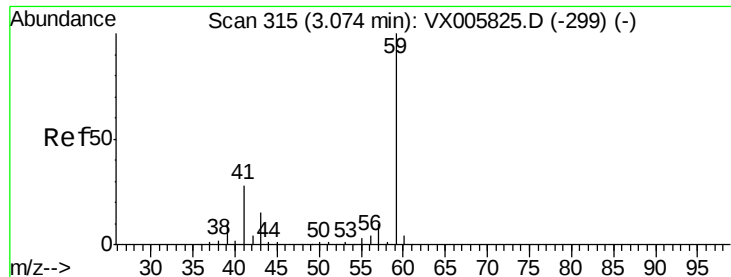
MMDadoda
 11/13/2018 12:19:31 PM



#10
 Methyl Iodide
 Concen: 16.871 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VX005921.D
 Acq: 13 Nov 2018 01:19

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	19582		
127	47.1	36.0	54.0	
141	15.4	11.7	17.5	





#11

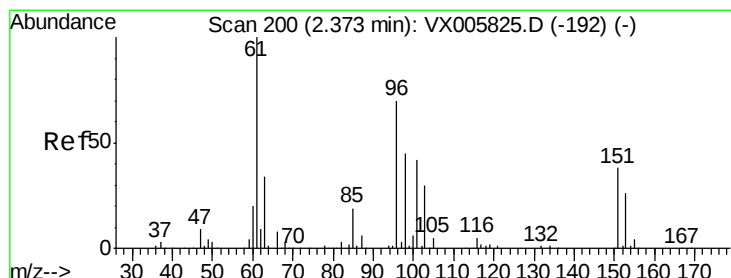
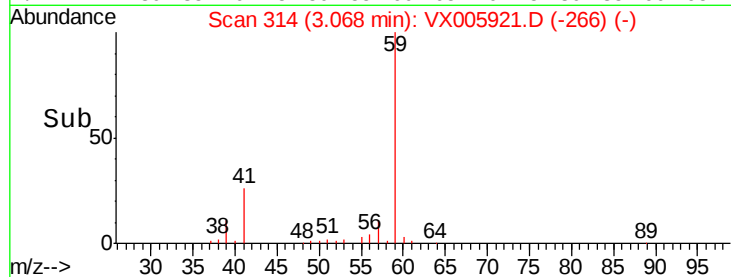
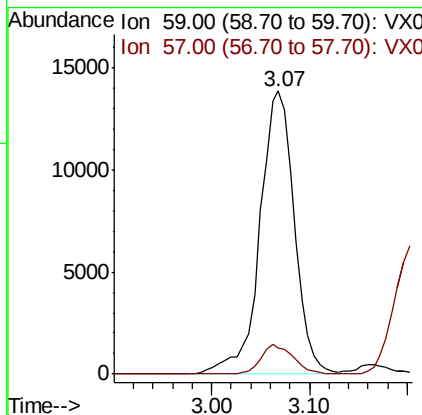
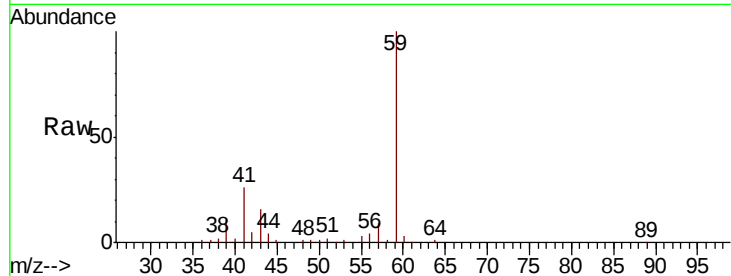
Tert butyl alcohol
Concen: 97.645 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.5	12.7

Manual Integrations
APPROVED

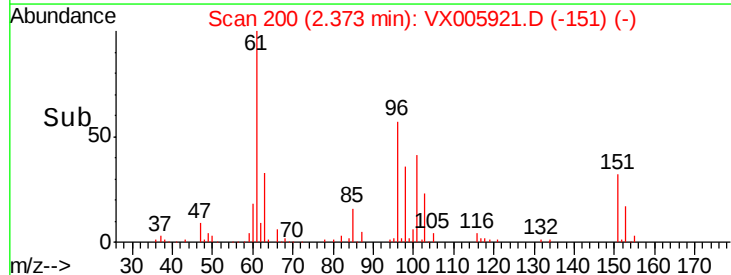
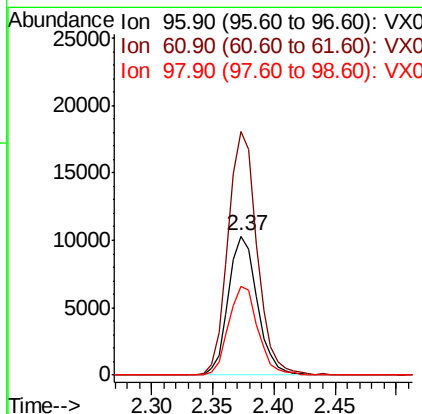
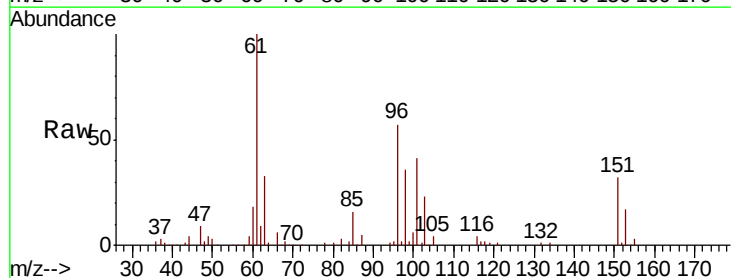
MMDadoda
11/13/2018 12:19:31 PM

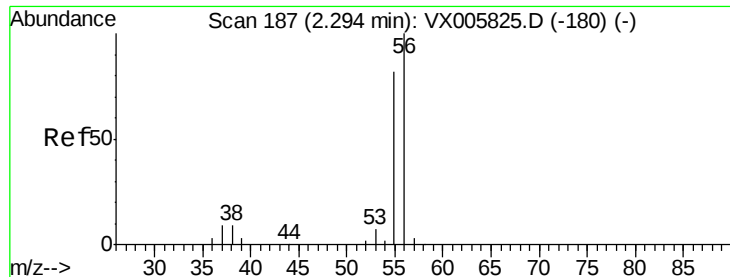


#12

1,1-Dichloroethene
Concen: 18.076 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.1	131.8	197.8
98	63.7	53.4	80.2





#13

Acrolein

Concen: 151.211 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 56 Resp: 23716

Ion Ratio Lower Upper

56 100

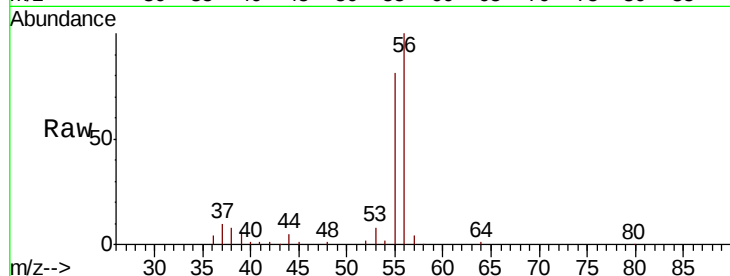
55 71.7 57.3 85.9

Manual Integrations

APPROVED

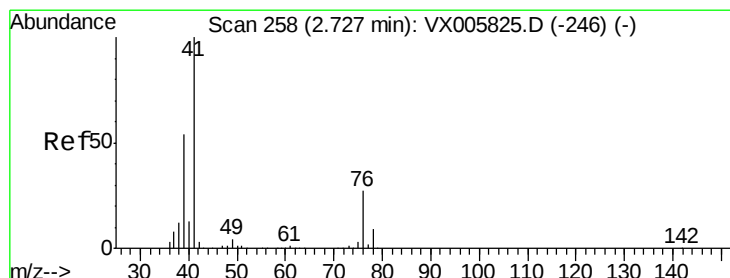
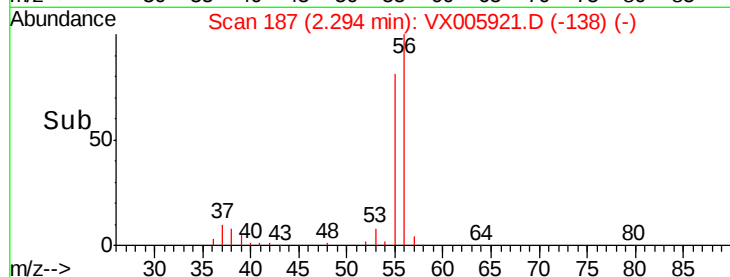
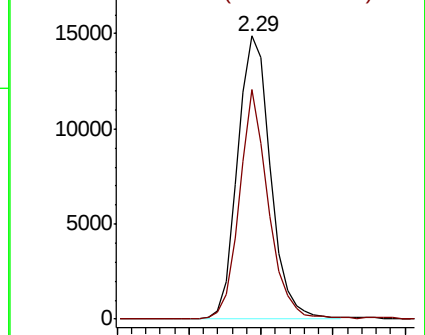
MMDadoda

11/13/2018 12:19:31 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.772 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

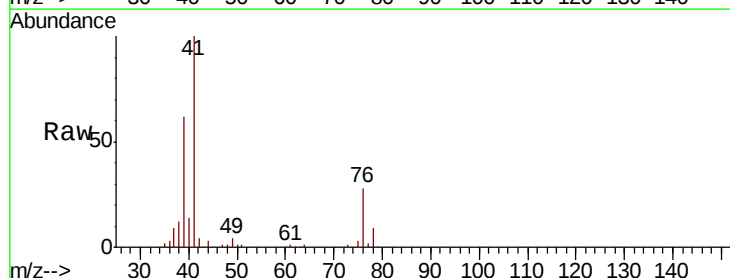
Tgt Ion: 41 Resp: 39136

Ion Ratio Lower Upper

41 100

39 59.3 48.2 72.4

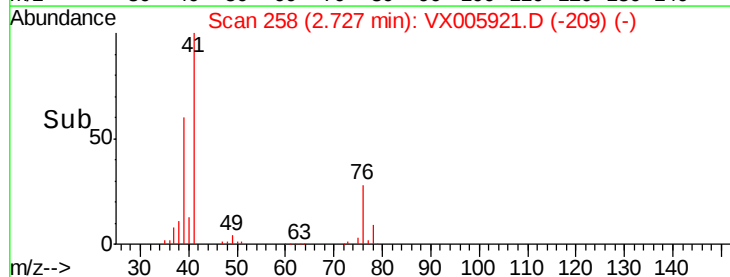
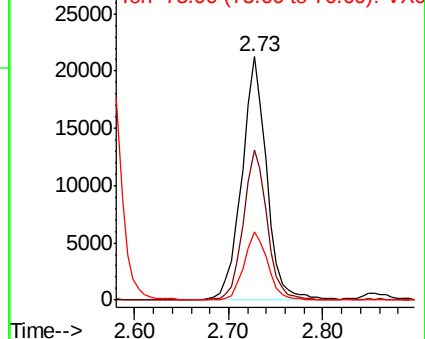
76 26.8 21.9 32.9

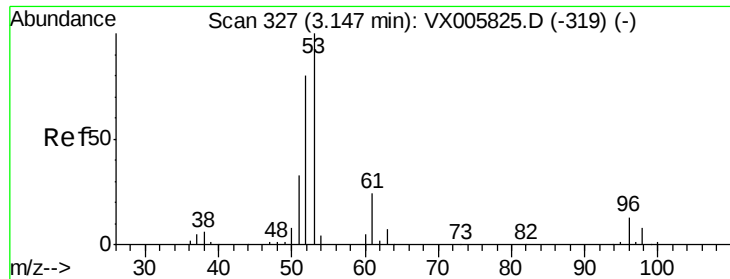


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 100.268 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

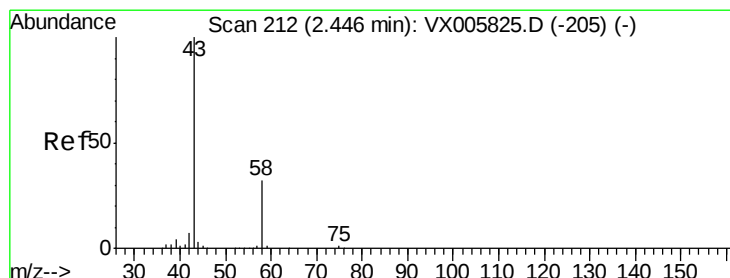
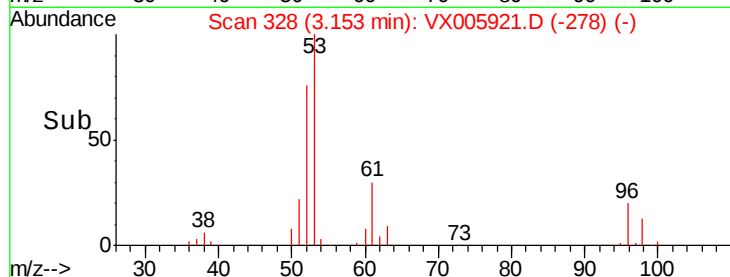
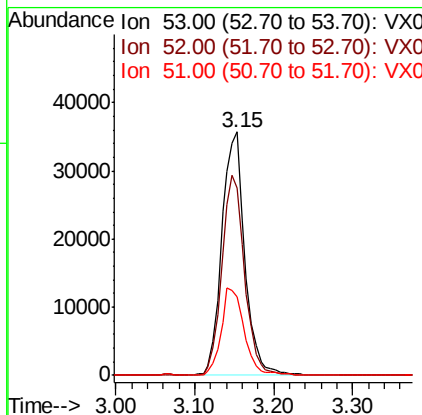
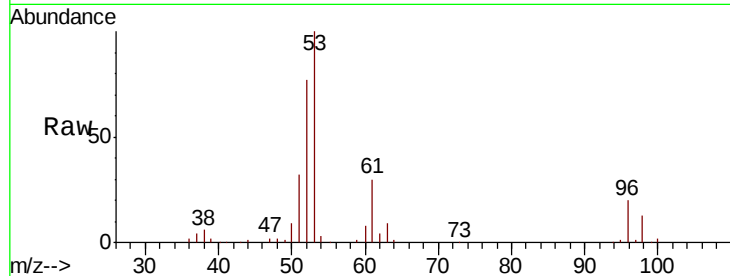
ClientSampleId :

VX1112WBS02

Tot Ion:	53	Resp:	72271
Ion Ratio	Lower	Upper	
53	100		
52	81.4	66.6	99.8
51	36.5	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:31 PM



#16

Acetone

Concen: 101.284 ug/l

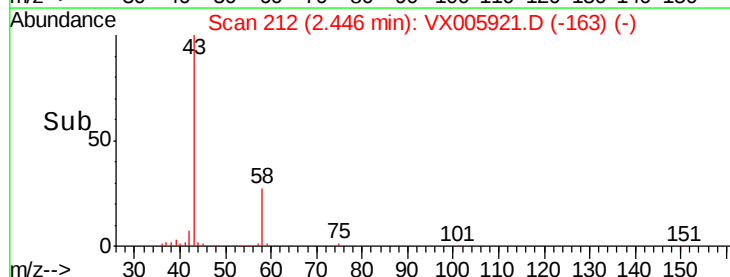
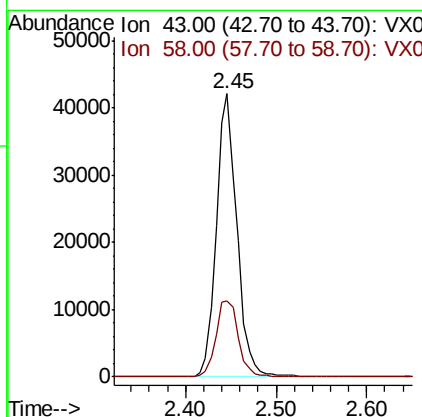
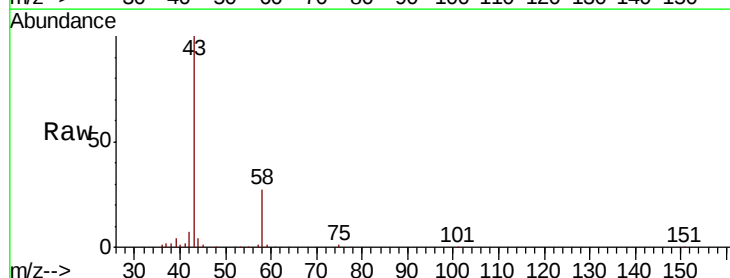
RT: 2.45 min Scan# 212

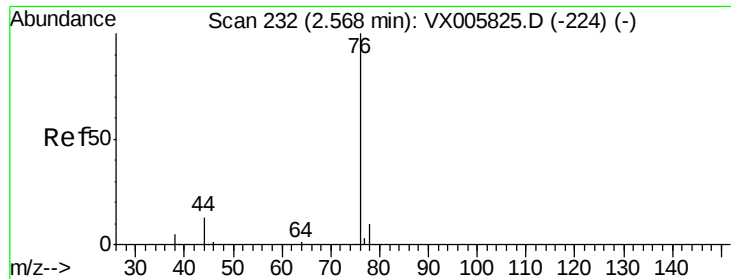
Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Tgt Ion:	43	Resp:	66210
Ion Ratio	Lower	Upper	
43	100		
58	26.8	23.8	35.6





#17

Carbon Disulfide

Concen: 18.033 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 76 Resp: 50211

Ion Ratio Lower Upper

76 100

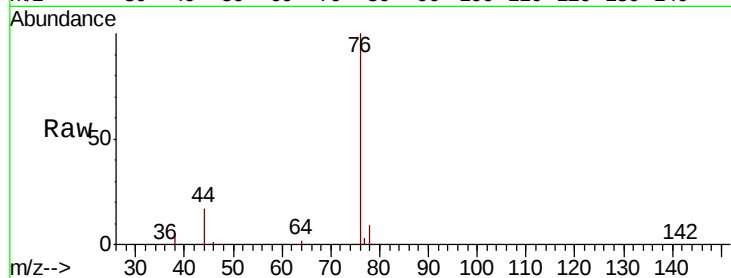
78 9.2 7.3 10.9

Manual Integrations

APPROVED

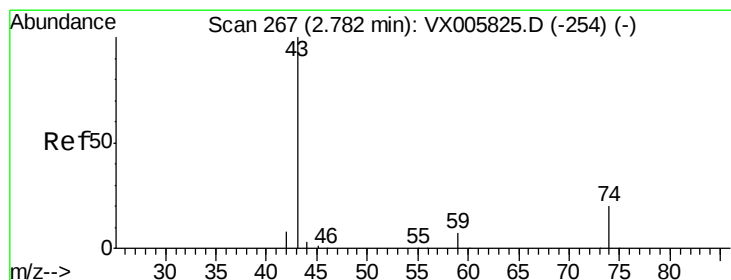
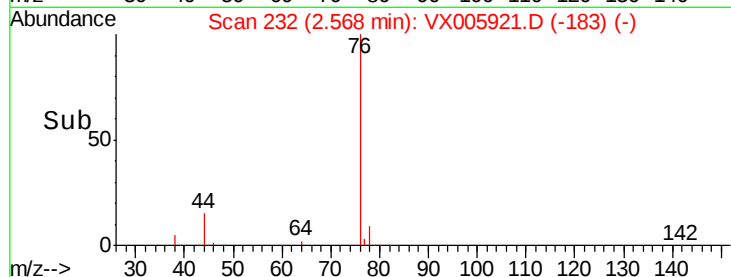
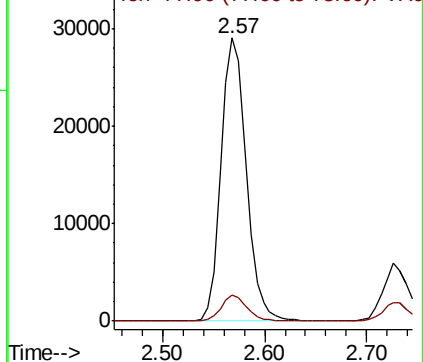
MMDadoda

11/13/2018 12:19:31 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.896 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005921.D

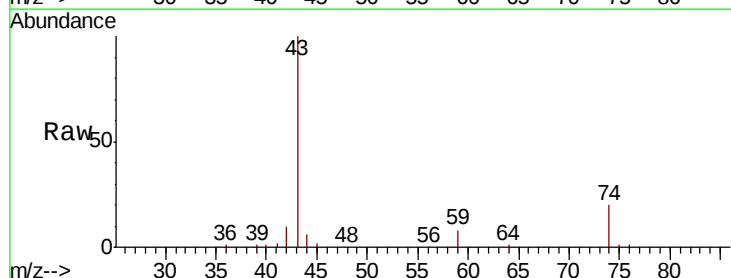
Acq: 13 Nov 2018 01:19

Tgt Ion: 43 Resp: 38119

Ion Ratio Lower Upper

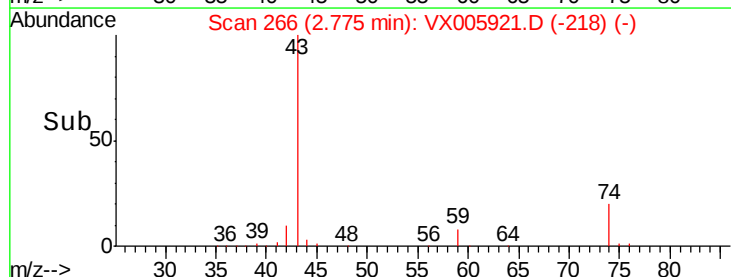
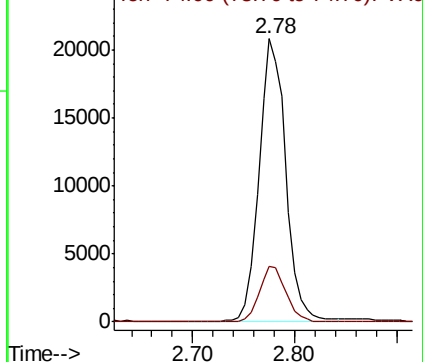
43 100

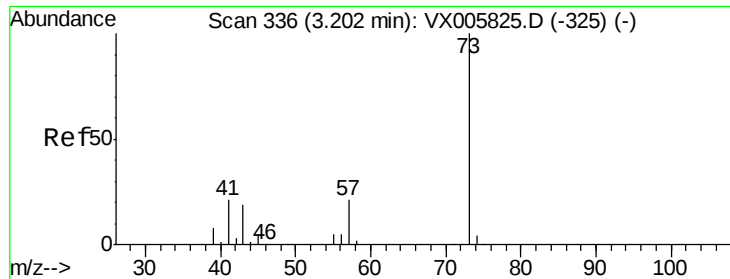
74 19.6 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





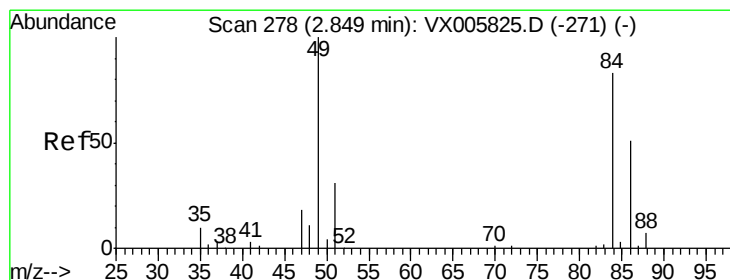
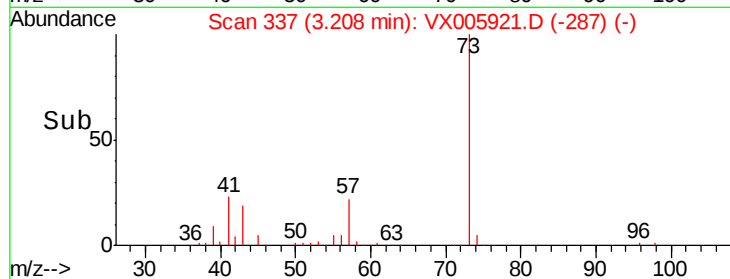
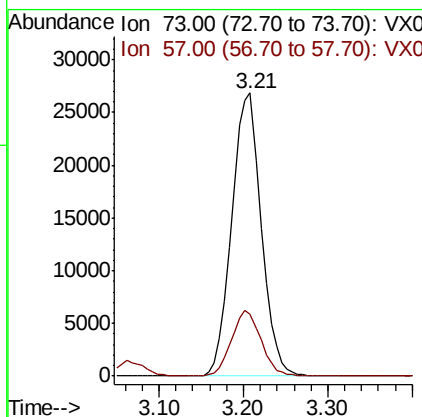
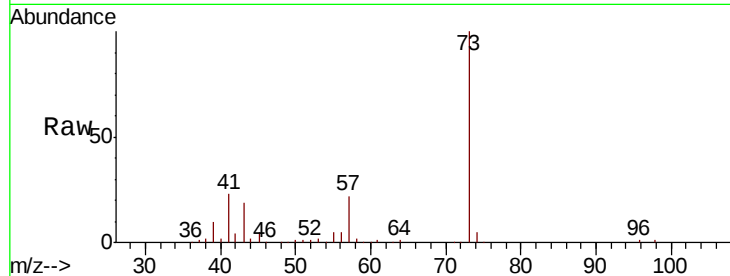
#19
Methyl tert-butyl Ether
Concen: 19.930 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion: 73 Resp: 63496
Ion Ratio Lower Upper
73 100
57 22.0 18.8 28.2

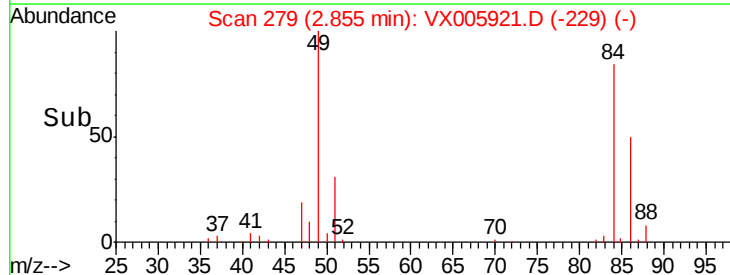
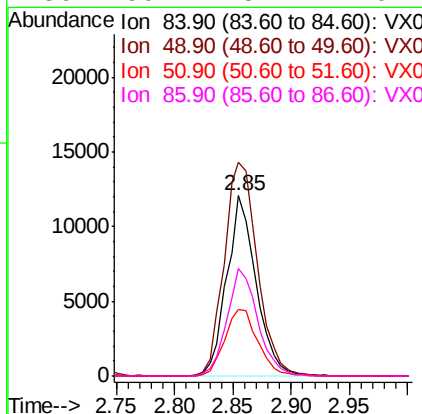
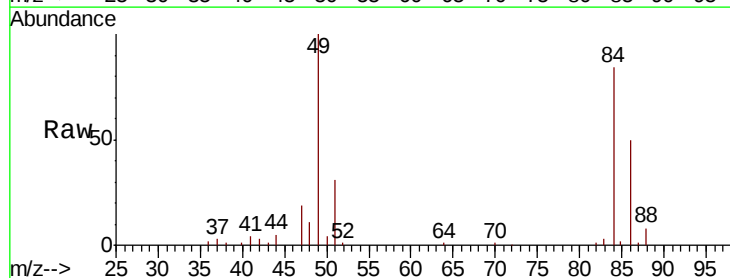
Manual Integrations
APPROVED

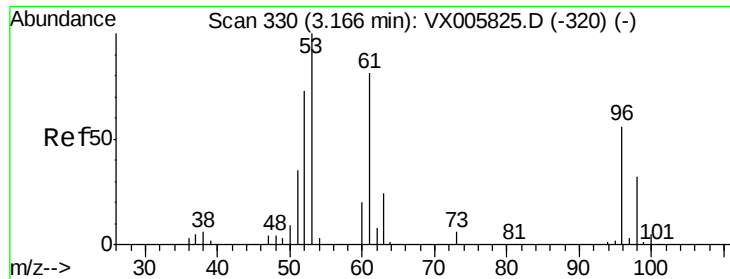
MMDadoda
11/13/2018 12:19:31 PM



#20
Methylene Chloride
Concen: 19.680 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tgt Ion: 84 Resp: 21133
Ion Ratio Lower Upper
84 100
49 118.4 109.5 164.3
51 37.1 33.3 49.9
86 59.4 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 18.966 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 96 Resp: 18673

Ion Ratio Lower Upper

96 100

61 147.8 115.6 173.4

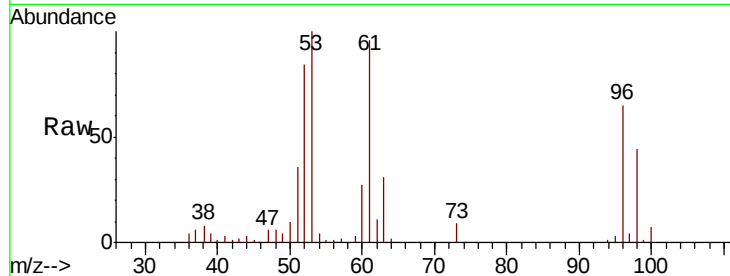
98 67.9 50.2 75.2

Manual Integrations

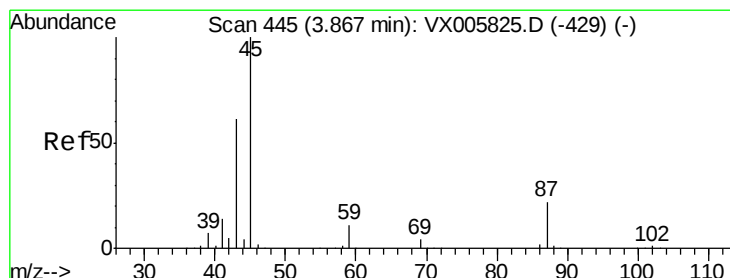
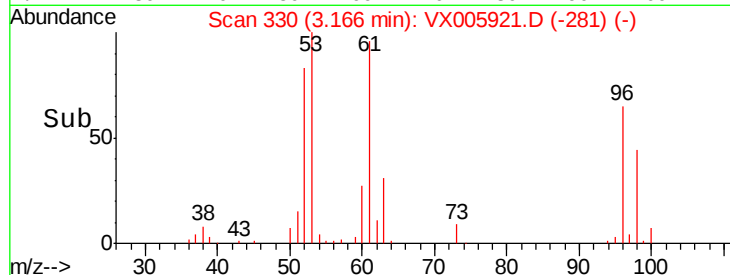
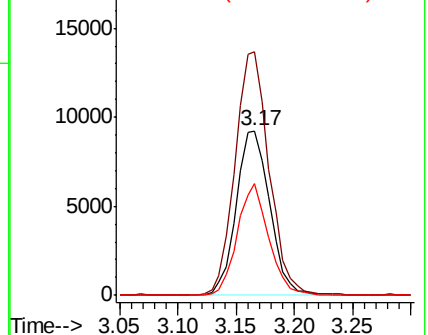
APPROVED

MMDadoda

11/13/2018 12:19:31 PM



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



#22

Diisopropyl ether

Concen: 19.527 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.01 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Tgt Ion: 45 Resp: 71315

Ion Ratio Lower Upper

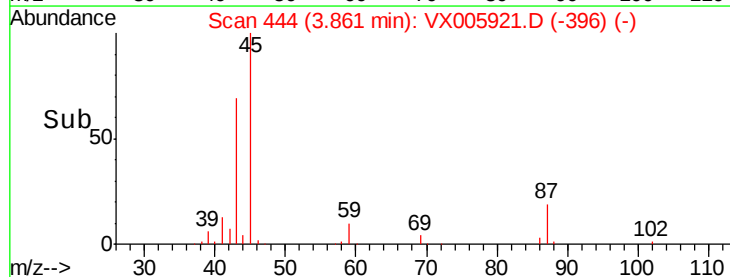
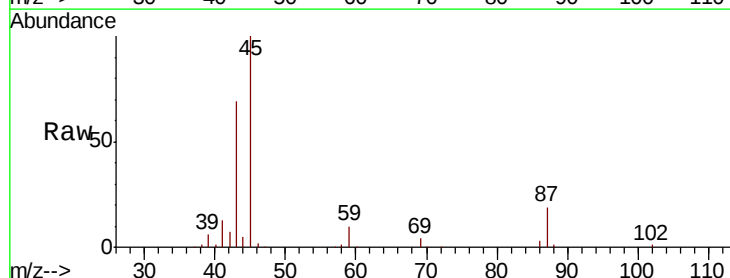
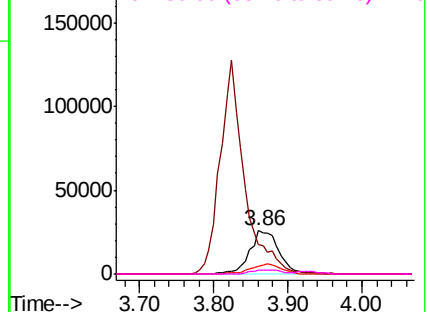
45 100

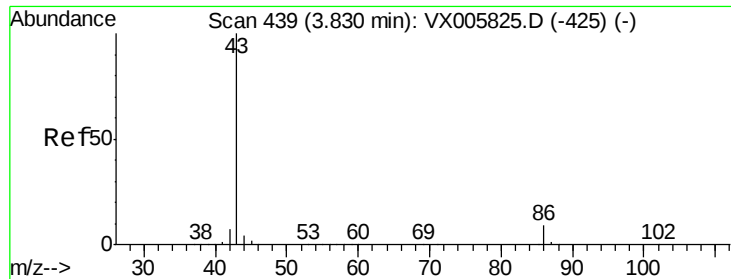
43 68.5 47.4 71.2

87 19.1 15.9 23.9

59 10.1 7.7 11.5

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 93.004 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 43 Resp: 291231

Ion Ratio Lower Upper

43 100

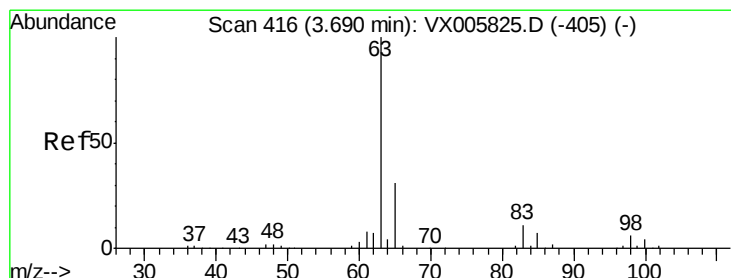
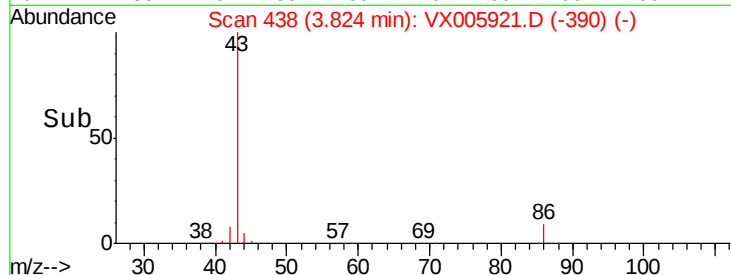
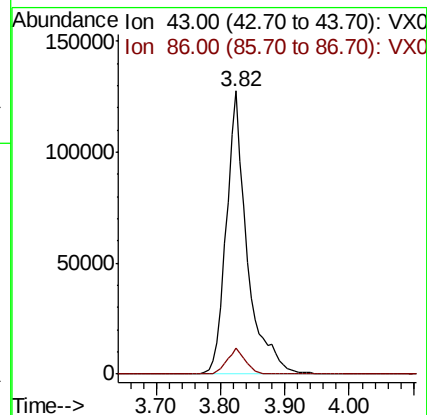
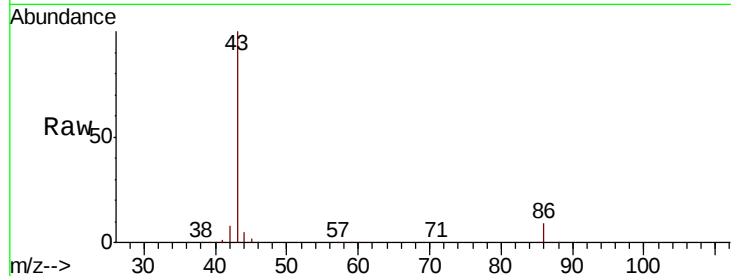
86 9.2 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

11/13/2018 12:19:31 PM



#24

1,1-Dichloroethane

Concen: 19.123 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

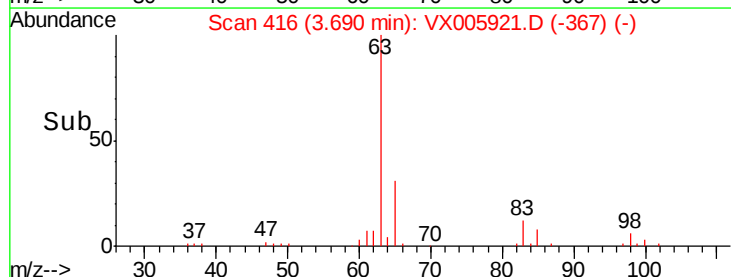
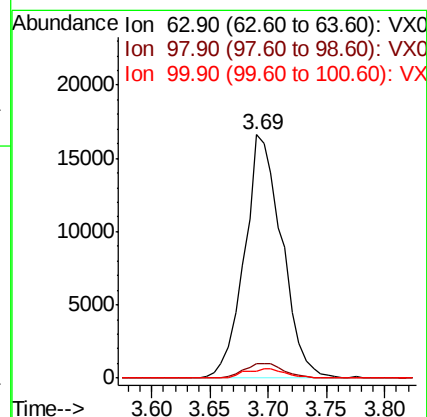
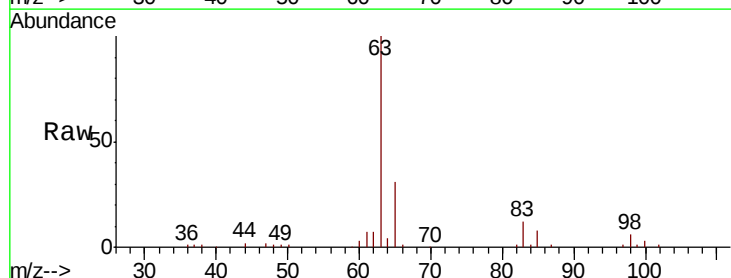
Tgt Ion: 63 Resp: 37260

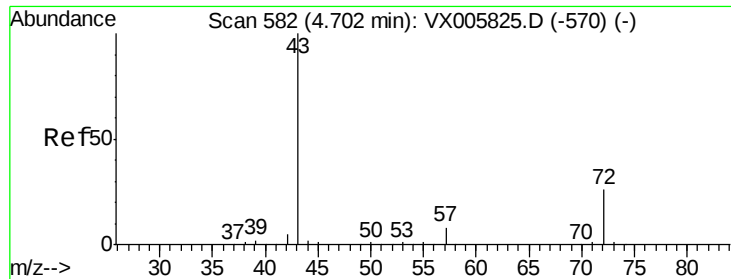
Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

100 3.0 2.1 6.2





#25

2-Butanone

Concen: 96.310 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 43 Resp: 98981

Ion Ratio Lower Upper

43 100

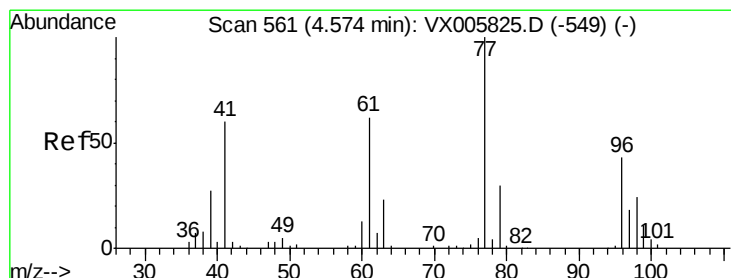
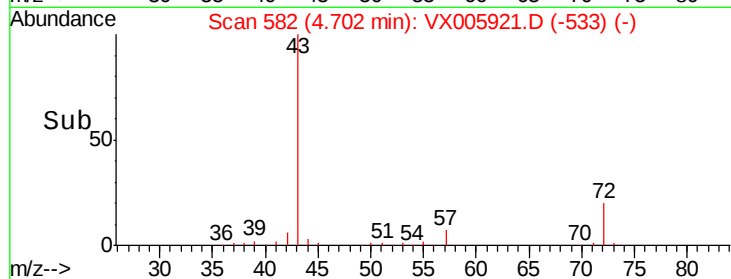
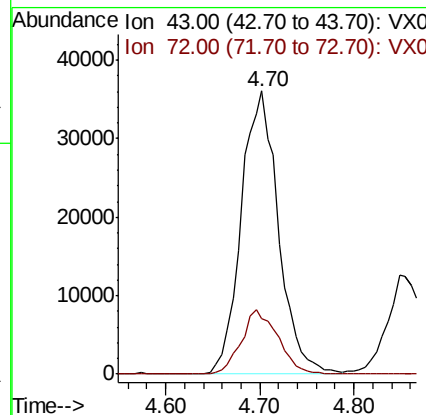
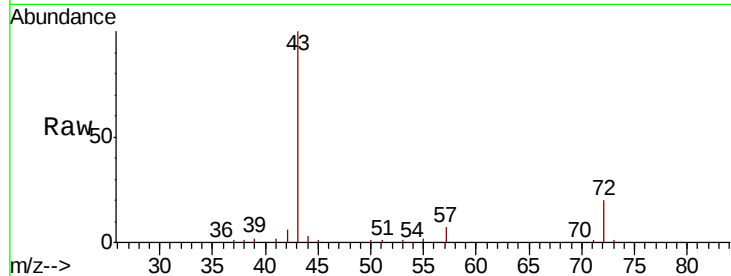
72 19.5 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

11/13/2018 12:19:31 PM



#26

2,2-Dichloropropane

Concen: 15.230 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005921.D

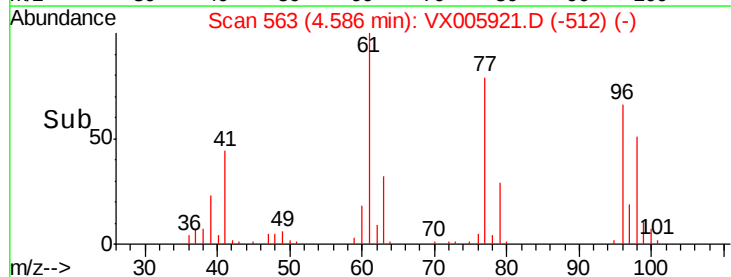
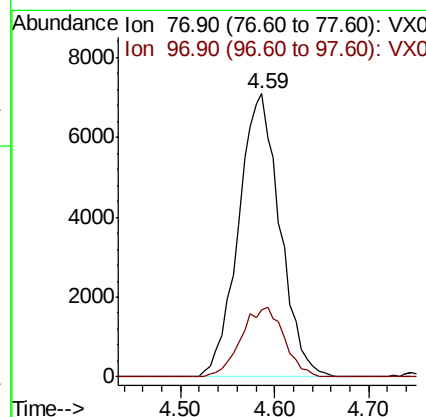
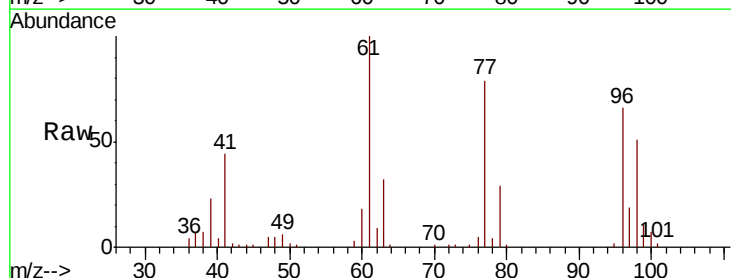
Acq: 13 Nov 2018 01:19

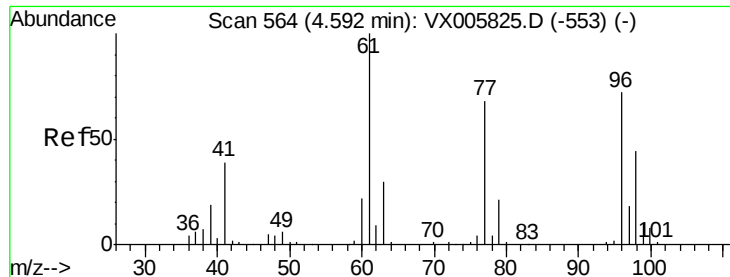
Tgt Ion: 77 Resp: 21768

Ion Ratio Lower Upper

77 100

97 25.5 11.5 34.5





#27

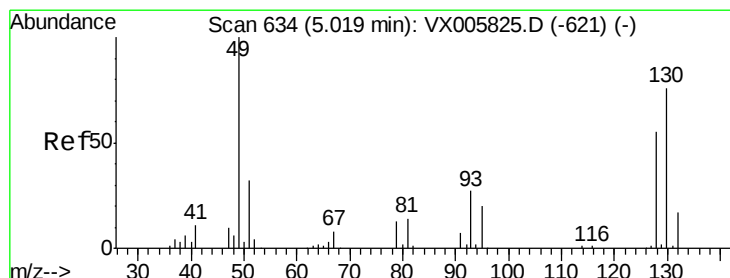
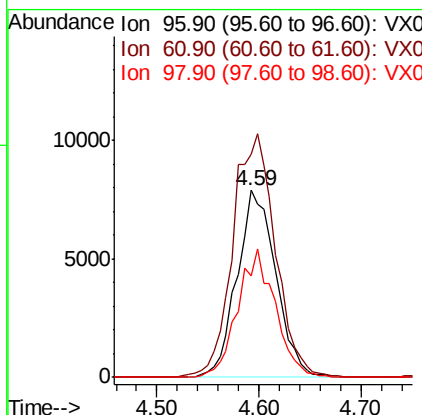
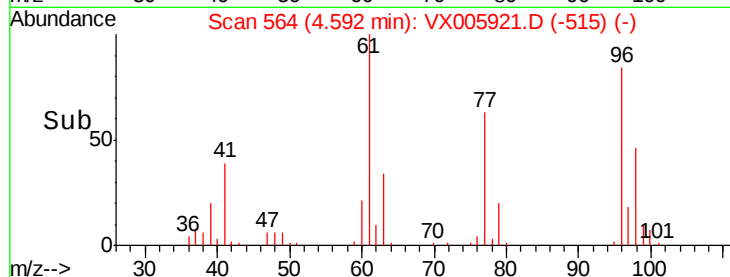
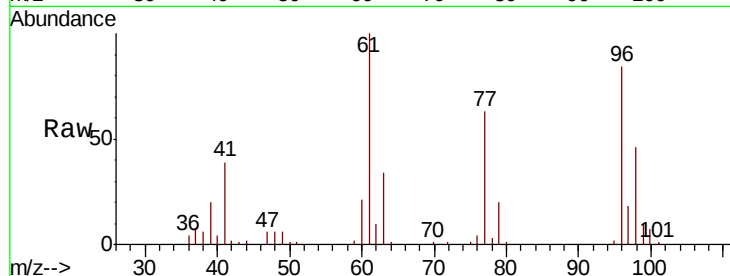
cis-1,2-Dichloroethene
Concen: 19.212 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	304.6
98	66.0	0.0	127.4

Manual Integrations
APPROVED

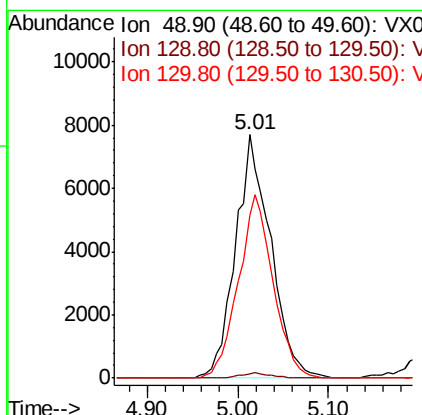
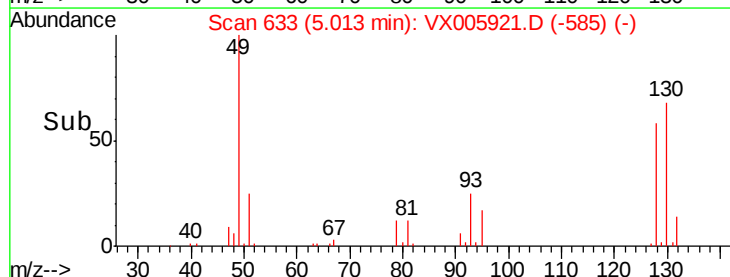
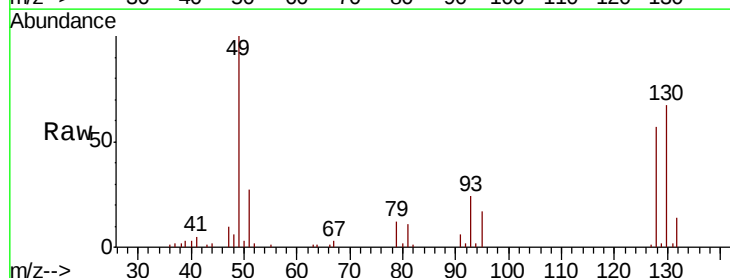
MMDadoda
11/13/2018 12:19:31 PM



#28

Bromochloromethane
Concen: 23.741 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	74.1	58.9	88.3





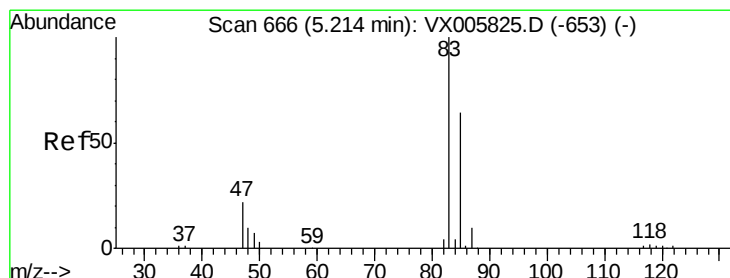
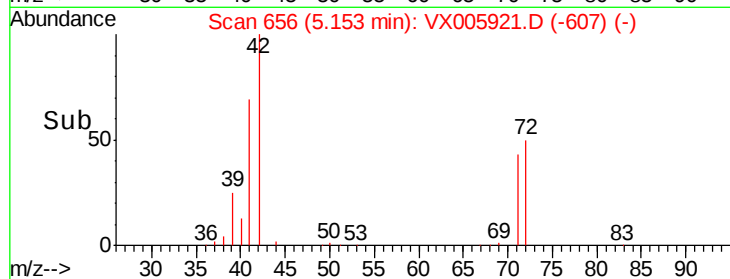
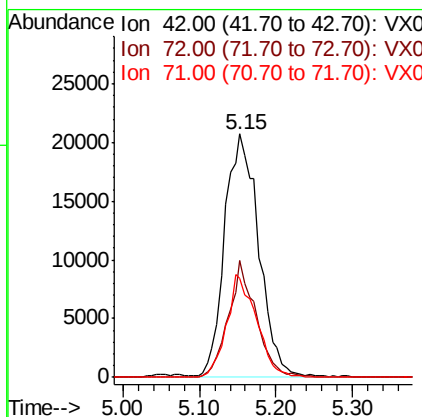
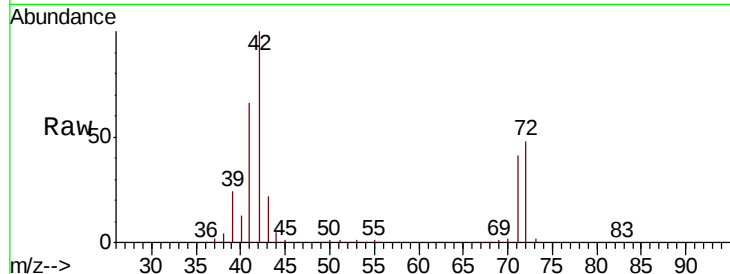
#29
Tetrahydrofuran
Concen: 96.252 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	32.0	48.0
71	37.3	29.8	44.8

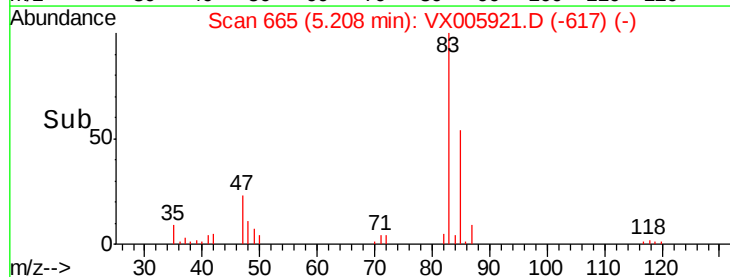
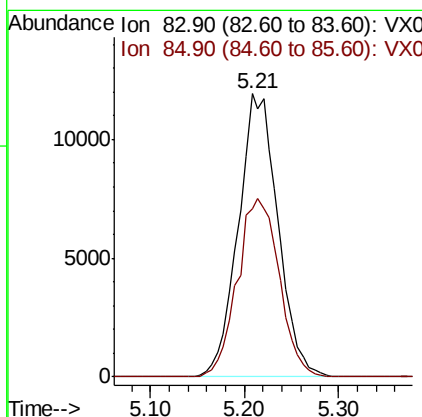
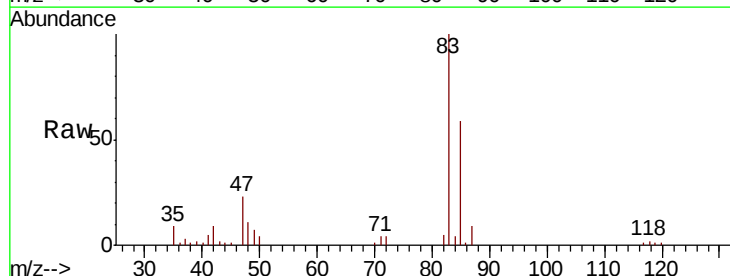
Manual Integrations
APPROVED

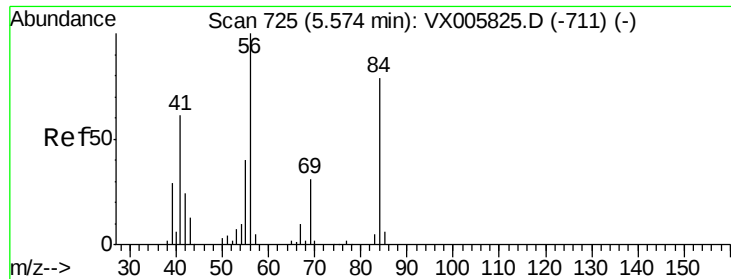
MMDadoda
11/13/2018 12:19:31 PM



#30
Chloroform
Concen: 18.683 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.3	50.6	76.0





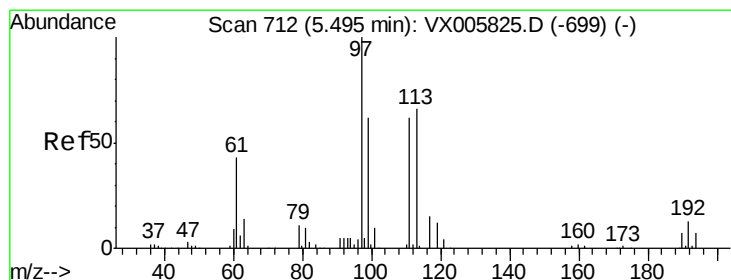
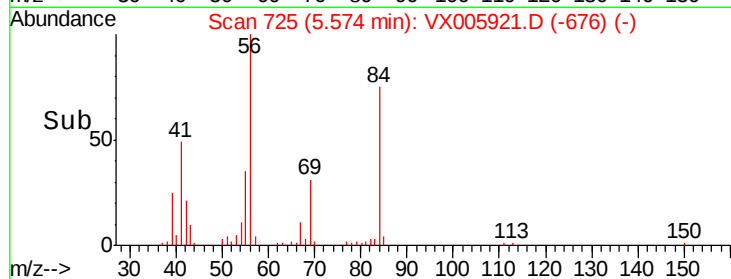
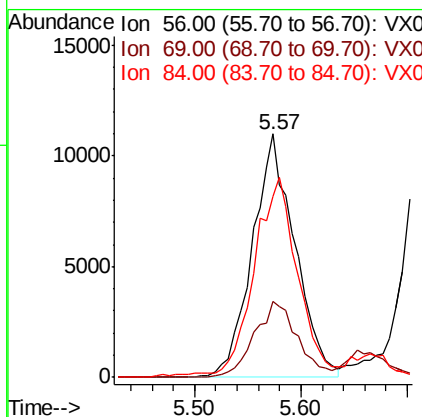
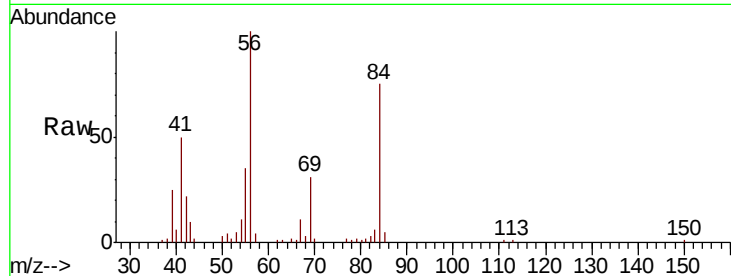
#31
Cyclohexane
Concen: 18.138 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	22.6	34.0
84	73.2	62.7	94.1

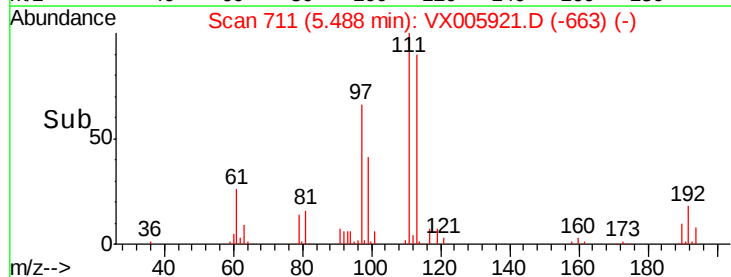
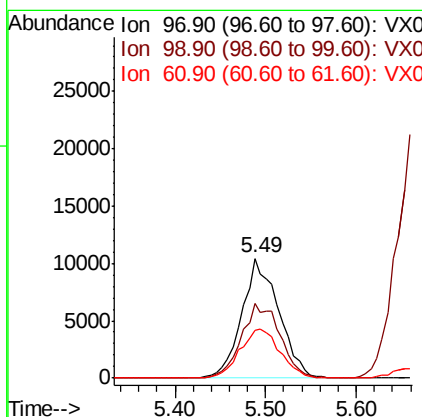
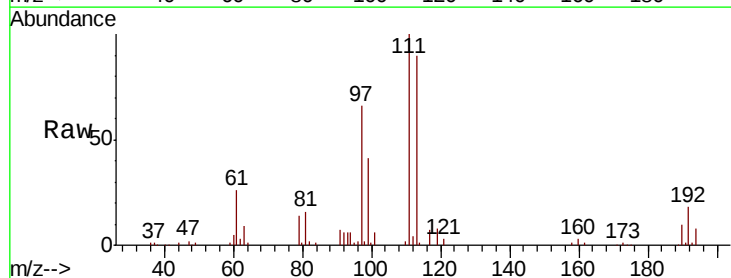
Manual Integrations
APPROVED

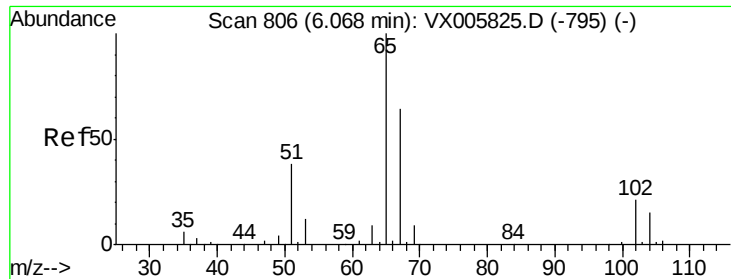
MMDadoda
11/13/2018 12:19:31 PM



#32
1,1,1-Trichloroethane
Concen: 18.759 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.3	78.5
61	44.5	35.2	52.8





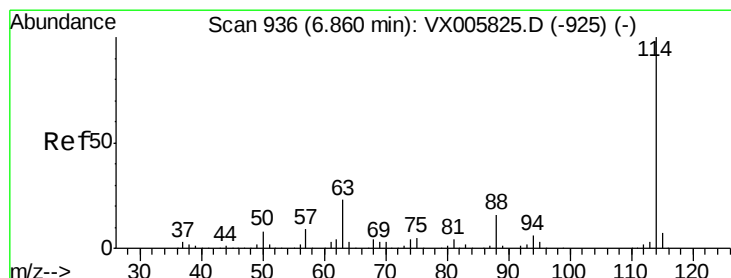
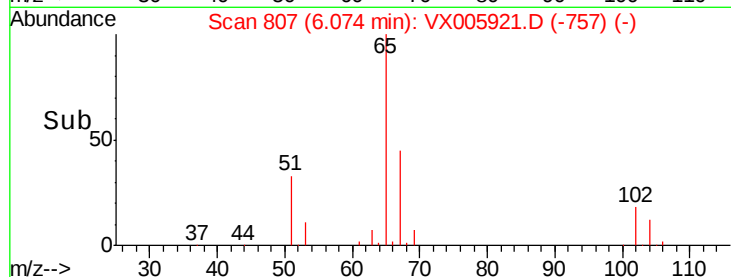
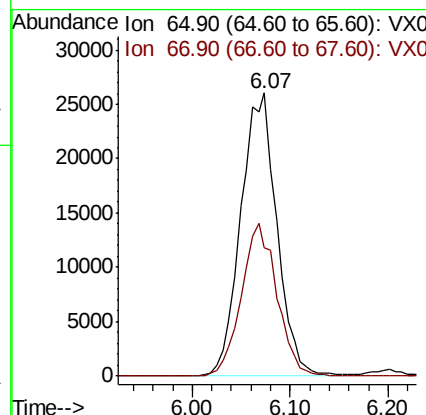
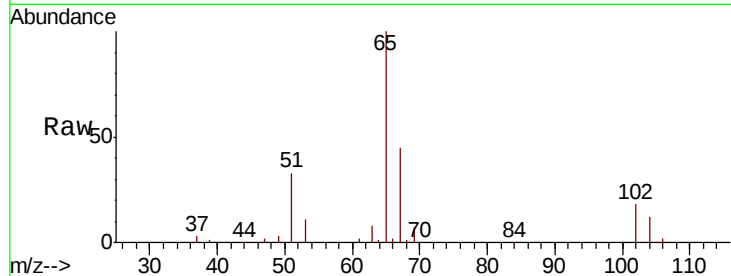
#33
 1,2-Dichloroethane-d4
 Concen: 54.830 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX005921.D
 Acq: 13 Nov 2018 01:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS02

Tot Ion: 65 Resp: 66570
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.0

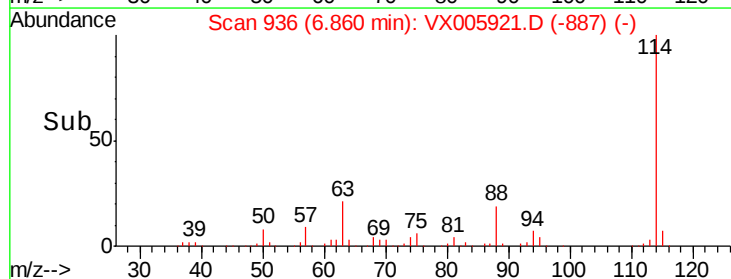
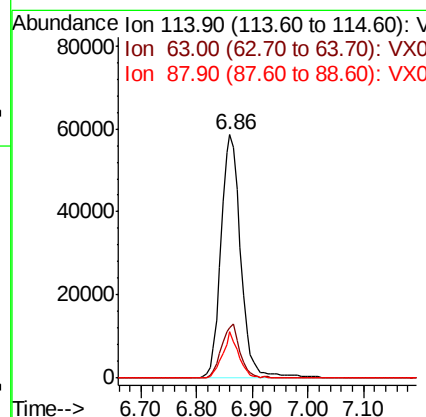
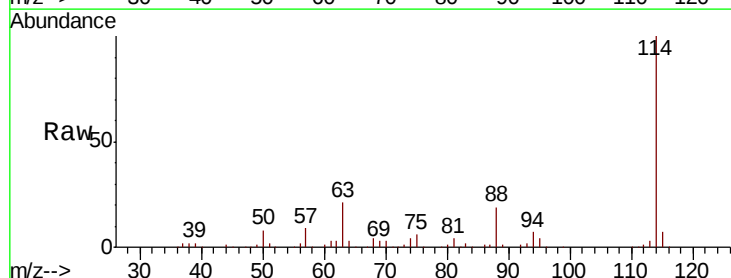
Manual Integrations
 APPROVED

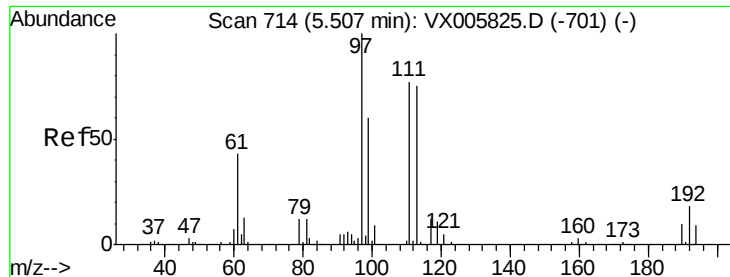
MMDadoda
 11/13/2018 12:19:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005921.D
 Acq: 13 Nov 2018 01:19

Tgt Ion: 114 Resp: 144652
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.8
 88 19.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 52.244 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

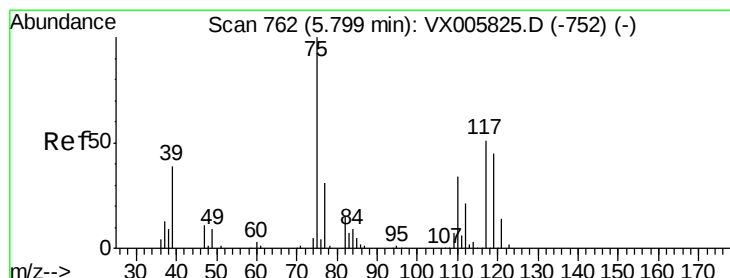
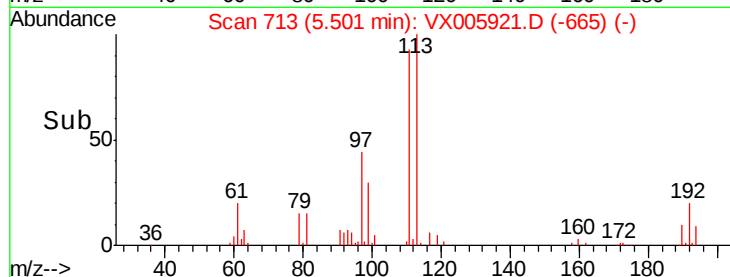
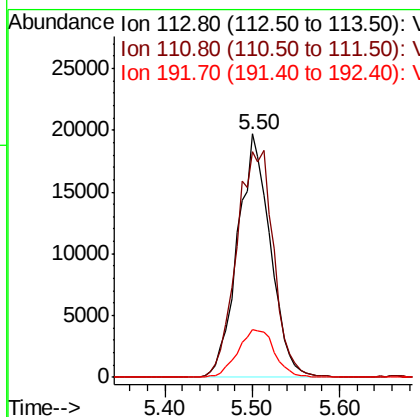
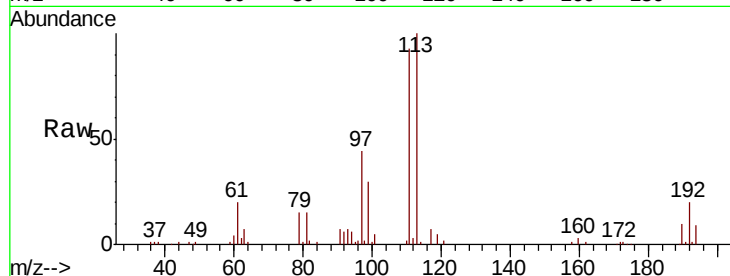
ClientSampleId :

VX1112WBS02

Tot Ion:	113	Resp:	51400
Ion	Ratio	Lower	Upper
113	100		
111	105.5	82.3	123.5
192	21.7	17.9	26.9

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:31 PM



#36

1,1-Dichloropropene

Concen: 17.738 ug/l

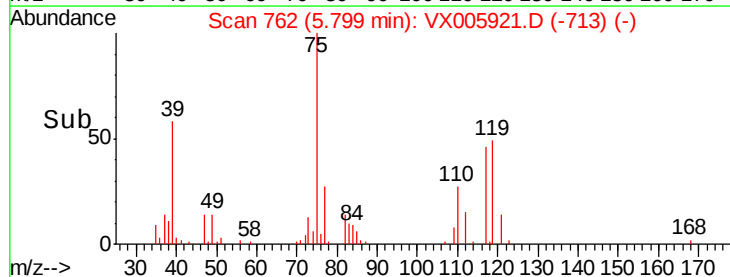
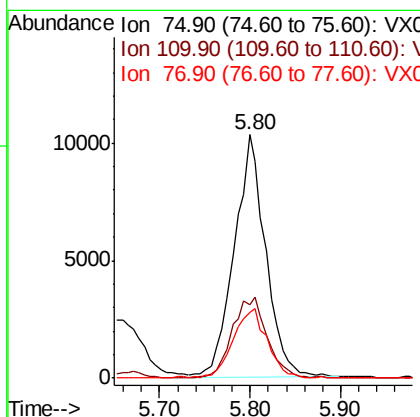
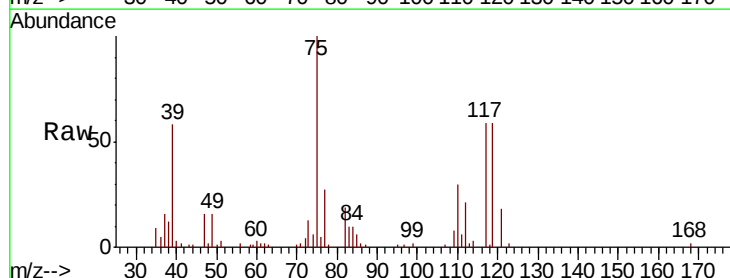
RT: 5.80 min Scan# 762

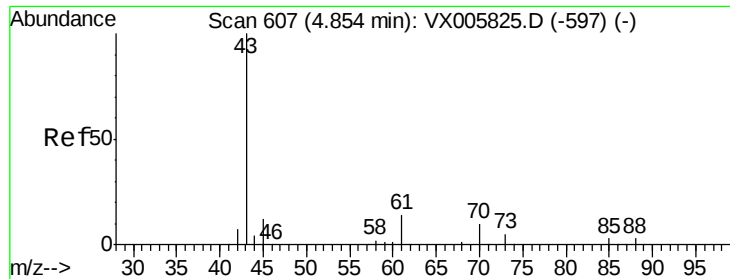
Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Tgt Ion:	75	Resp:	24735
Ion	Ratio	Lower	Upper
75	100		
110	37.0	17.4	52.2
77	31.0	25.8	38.6





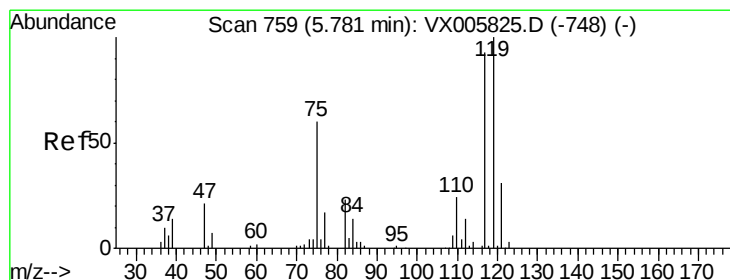
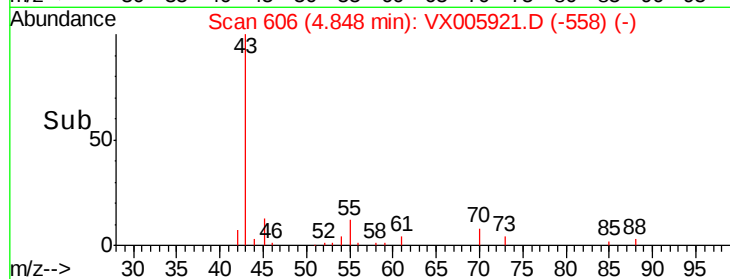
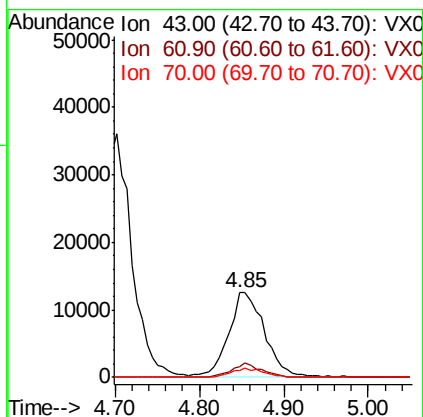
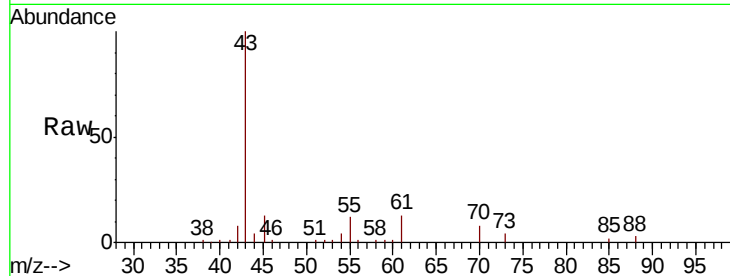
#37
Ethyl Acetate
Concen: 19.520 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.8	16.2
70	9.6	7.8	11.8

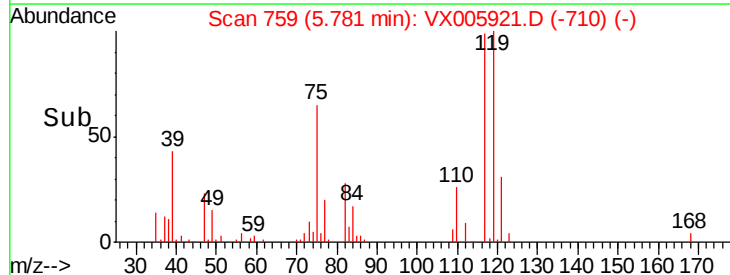
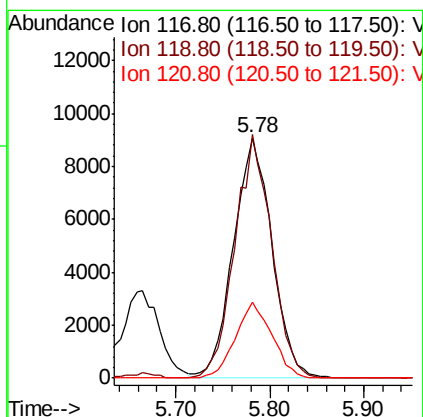
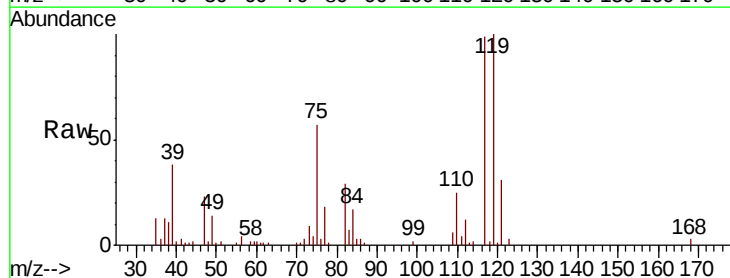
Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:31 PM



#38
Carbon Tetrachloride
Concen: 18.634 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.3	78.1	117.1
121	31.7	24.6	36.8





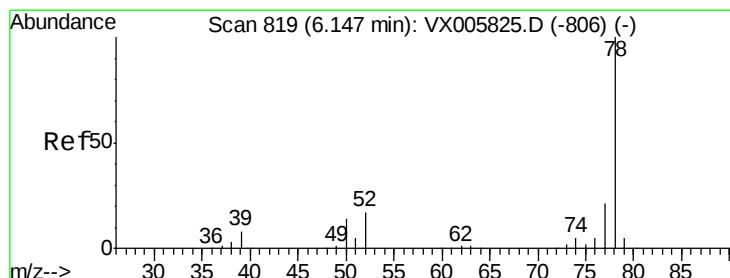
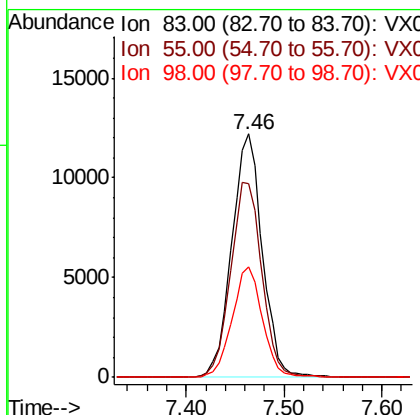
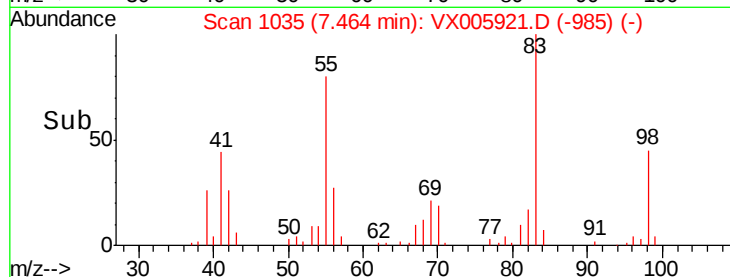
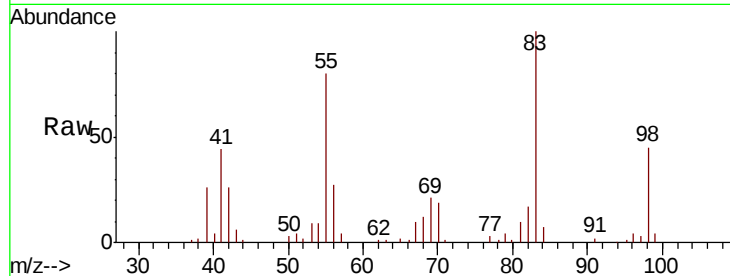
#39
Methvlcvclohexane
Concen: 18.659 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.8	63.7	95.5
98	45.2	36.2	54.2

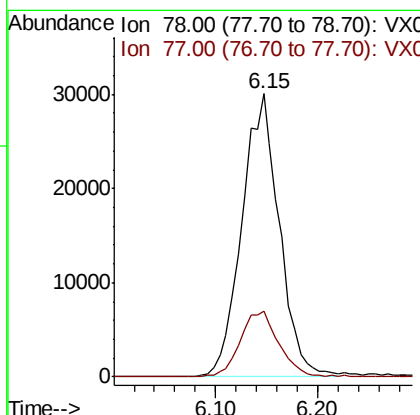
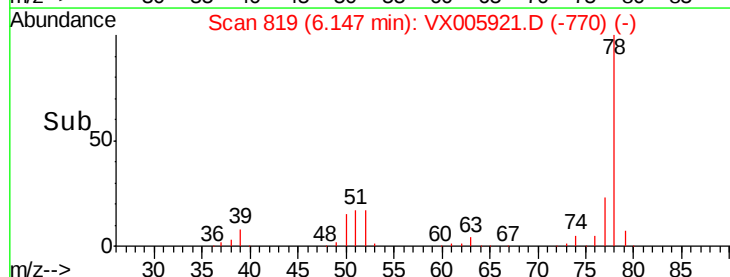
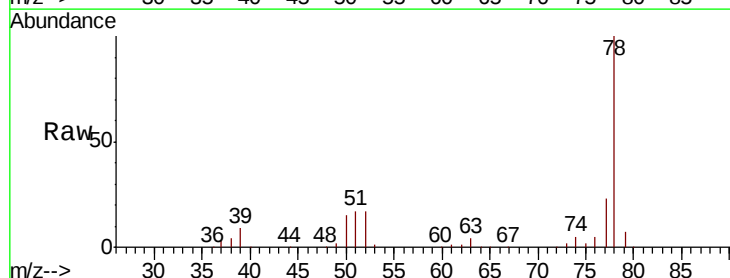
Manual Integrations
APPROVED

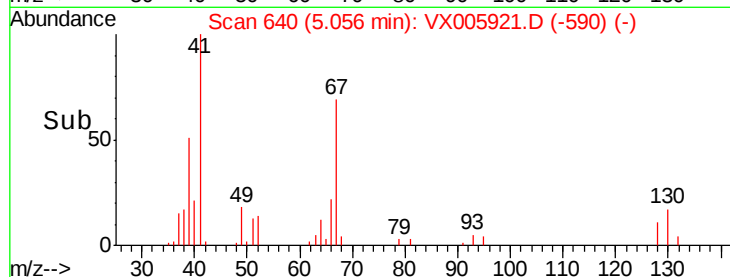
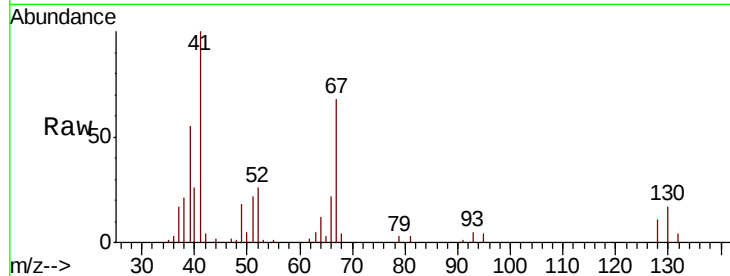
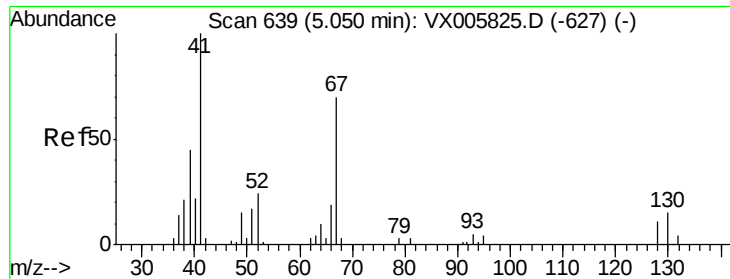
MMDadoda
11/13/2018 12:19:31 PM



#40
Benzene
Concen: 18.845 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.4	27.6





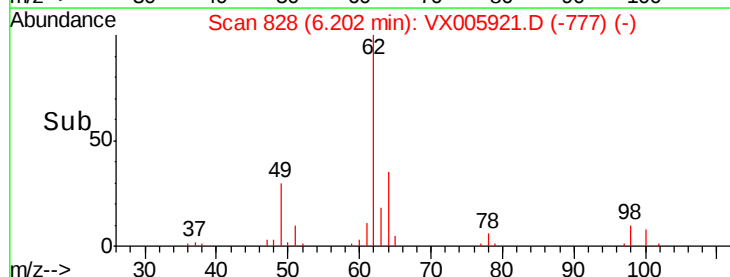
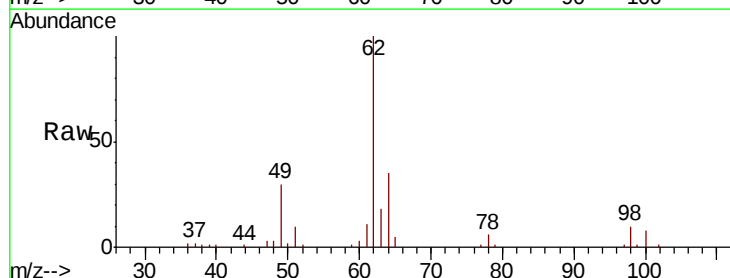
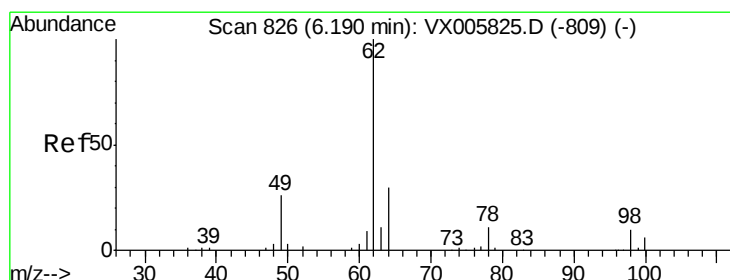
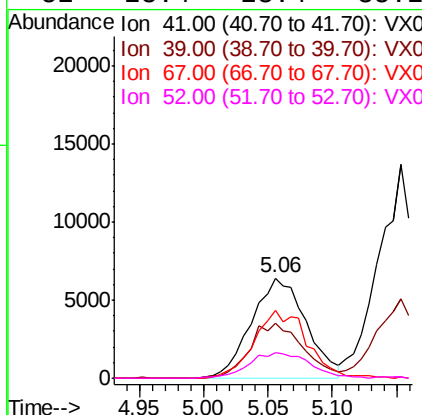
#41
Methacrylonitrile
Concen: 19.093 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		18919		
39	53.5	42.2	63.2		
67	65.9	53.4	80.0		
52	28.4	23.4	35.2		

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

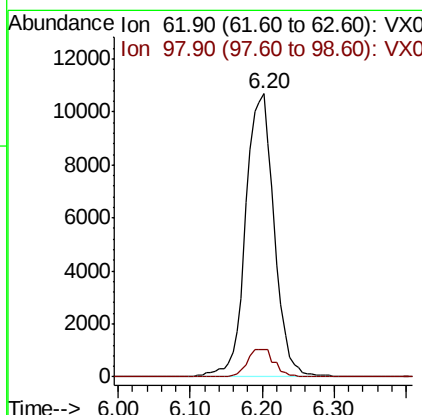
Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:31 PM



#42
1,2-Dichloroethane
Concen: 20.164 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		29360		
98	9.3	0.0	17.8		





#43

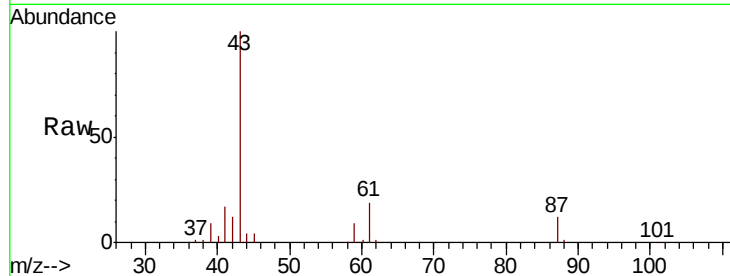
Isopropyl Acetate
 Concen: 18.706 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX005921.D
 Acq: 13 Nov 2018 01:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS02

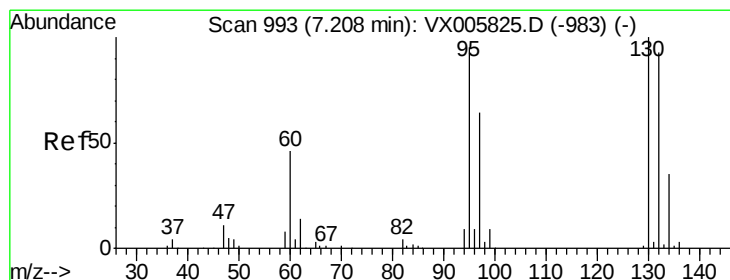
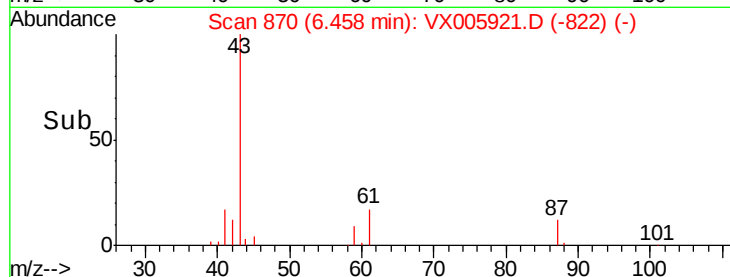
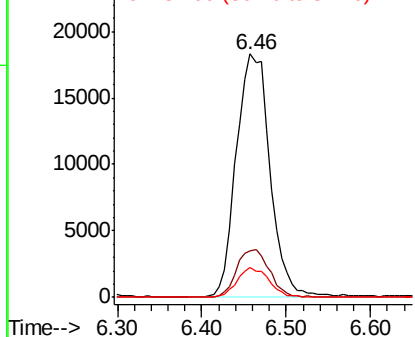
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.6	22.0
87	11.6	9.6	14.4

Manual Integrations
 APPROVED

MMDadoda
 11/13/2018 12:19:31 PM



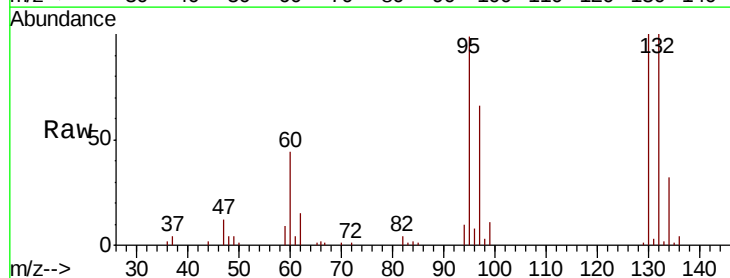
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



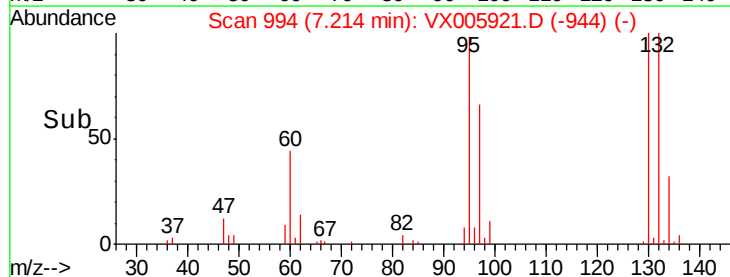
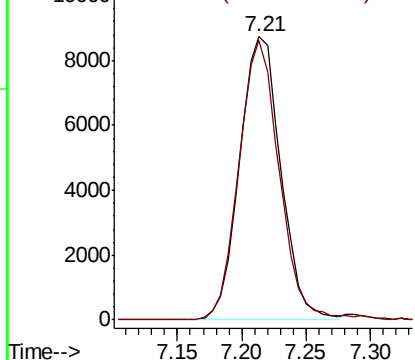
#44

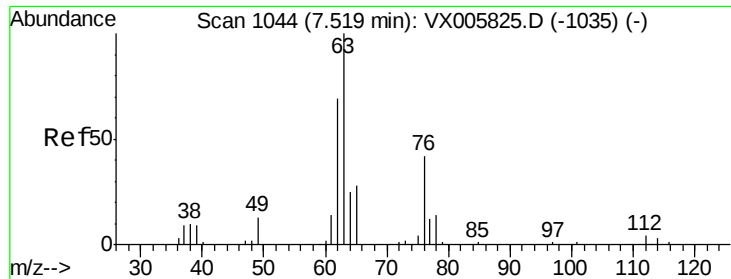
Trichloroethene
 Concen: 18.731 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005921.D
 Acq: 13 Nov 2018 01:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	194.2



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





#45

1,2-Dichloropropane

Concen: 20.563 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 63 Resp: 20290

Ion Ratio Lower Upper

63 100

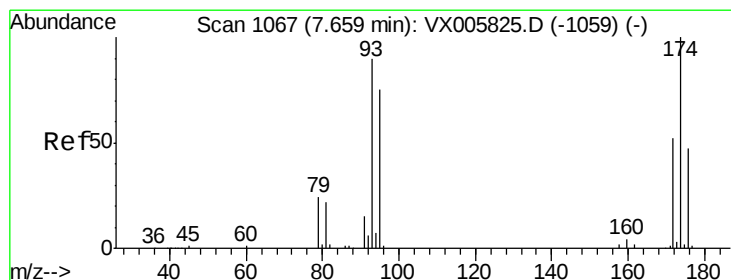
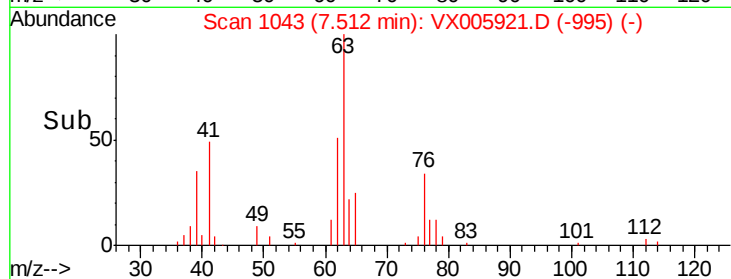
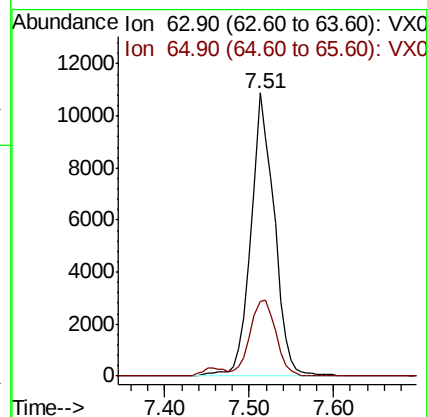
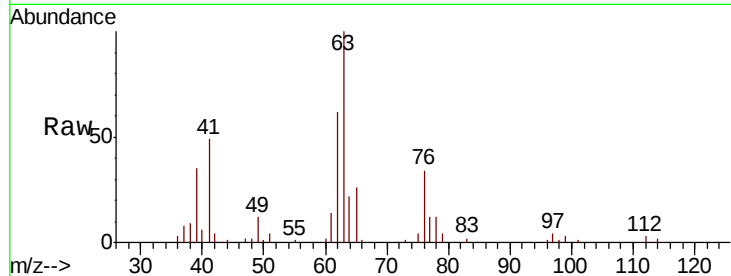
65 26.3 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

11/13/2018 12:19:31 PM



#46

Dibromomethane

Concen: 20.234 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

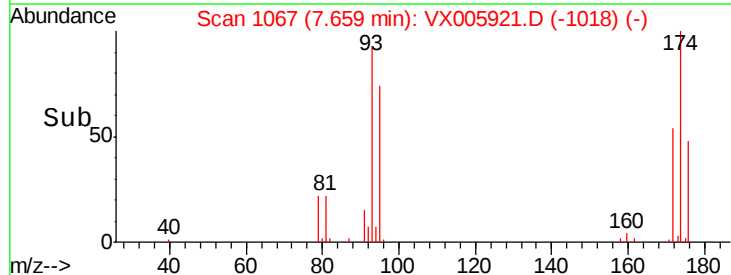
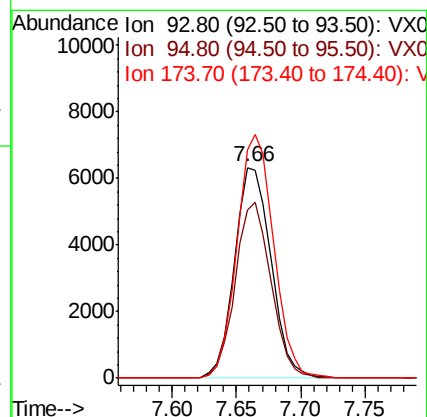
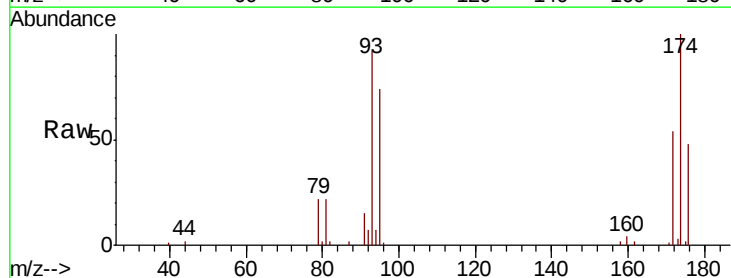
Tgt Ion: 93 Resp: 12528

Ion Ratio Lower Upper

93 100

95 81.5 67.4 101.0

174 115.1 91.5 137.3





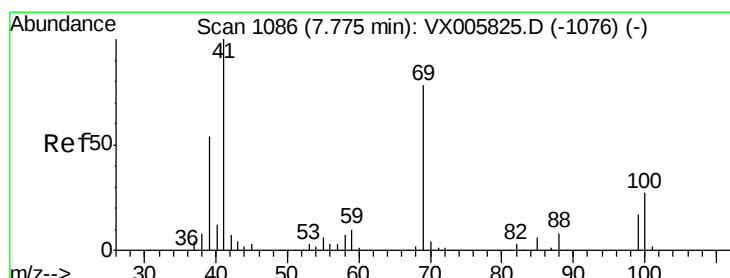
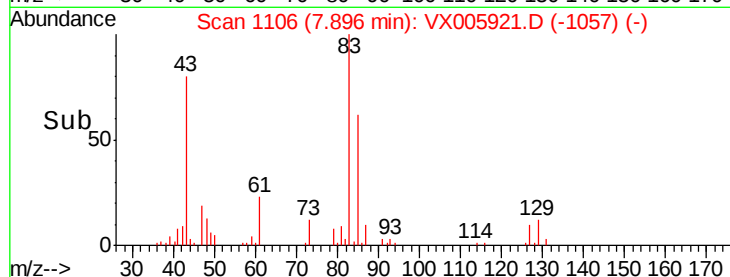
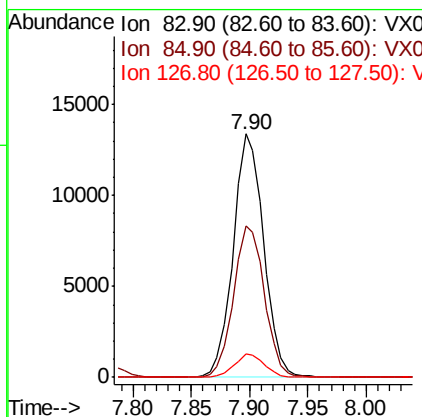
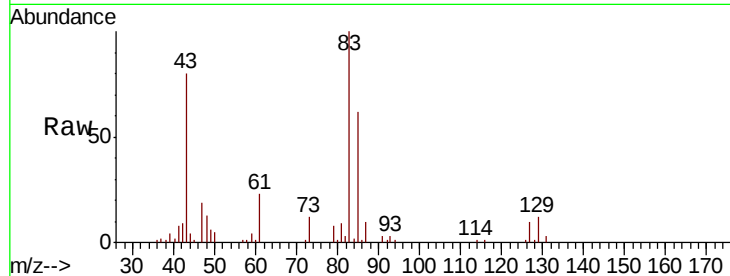
#47
Bromodichloromethane
Concen: 20.880 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.0	50.2	75.4
127	9.5	6.9	10.3

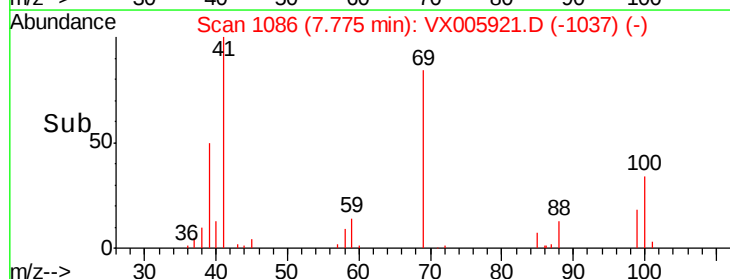
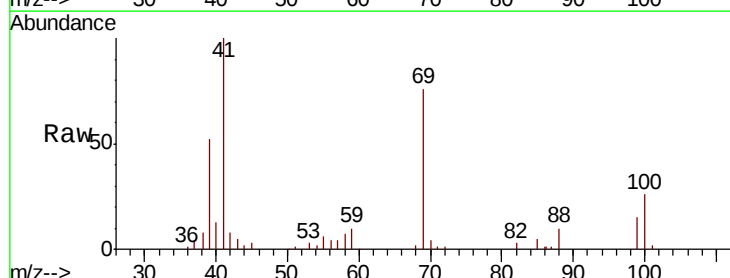
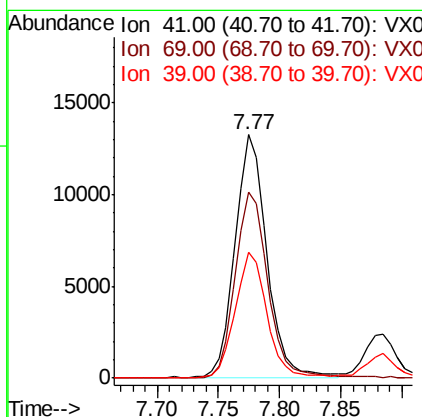
Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:31 PM



#48
Methyl methacrylate
Concen: 20.154 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.7	63.2	94.8
39	51.6	42.2	63.2





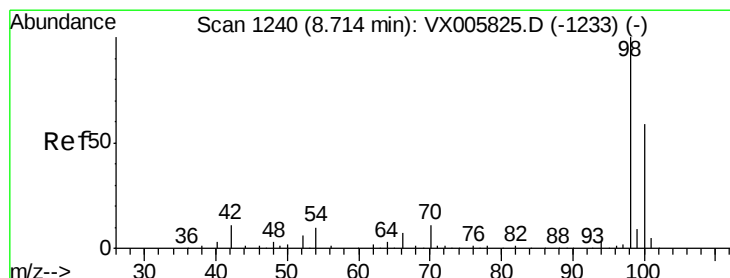
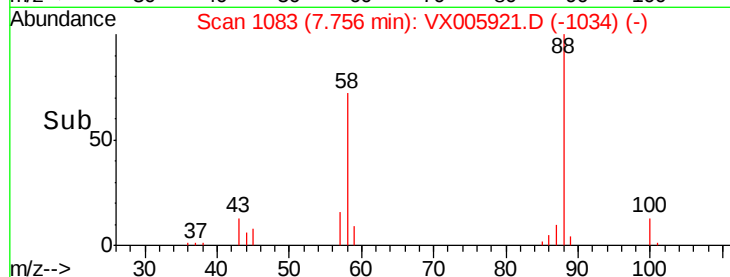
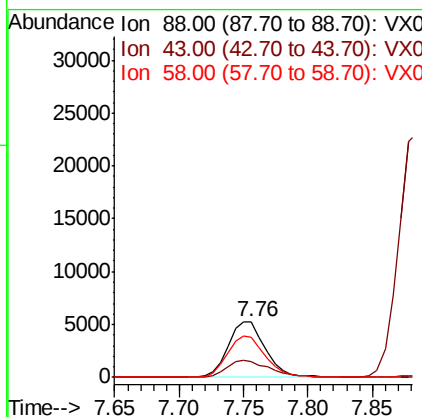
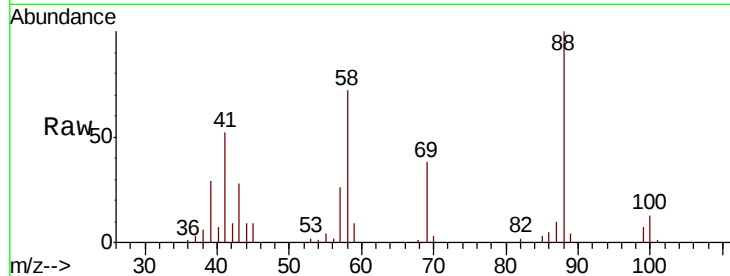
#49
1,4-Dioxane
Concen: 409.609 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	27.4	41.0
58	77.4	59.4	89.2

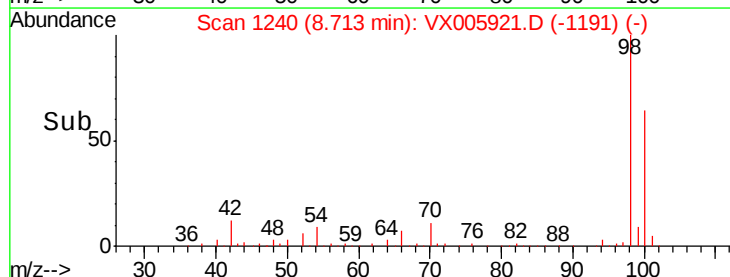
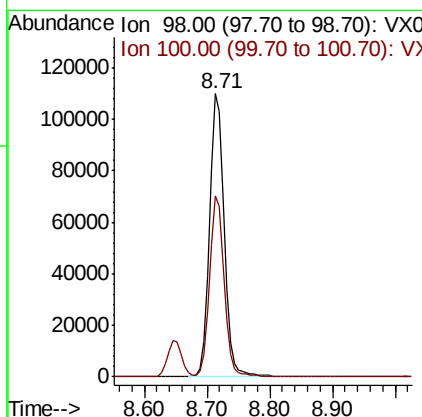
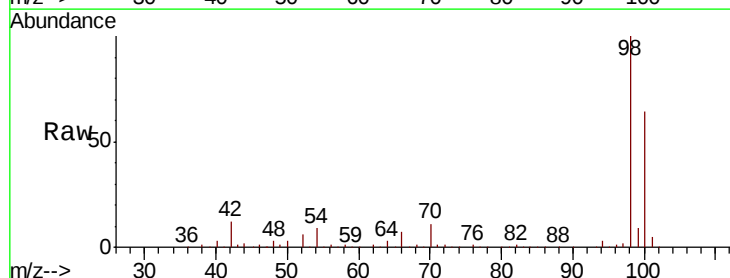
Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:31 PM



#50
Toluene-d8
Concen: 54.545 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 99.832 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 43 Resp: 167183

Ion Ratio Lower Upper

43 100

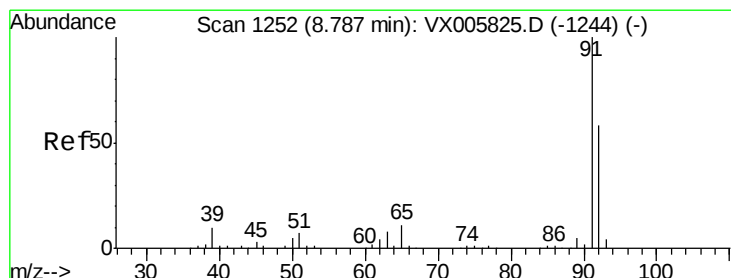
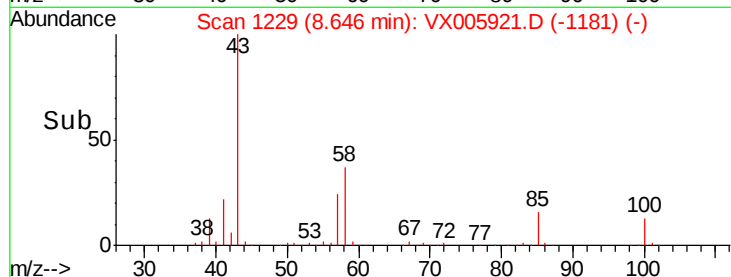
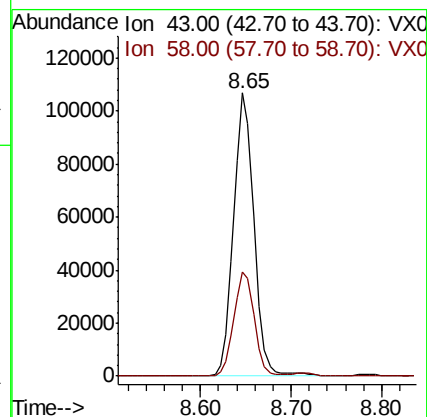
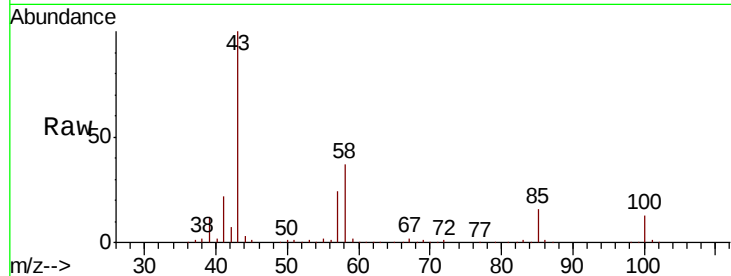
58 36.8 29.7 44.5

Manual Integrations

APPROVED

MMDadoda

11/13/2018 12:19:31 PM



#52

Toluene

Concen: 19.500 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005921.D

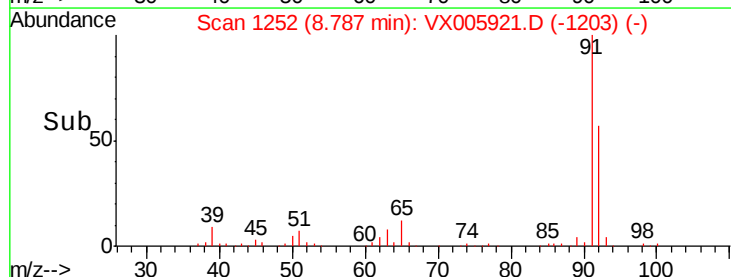
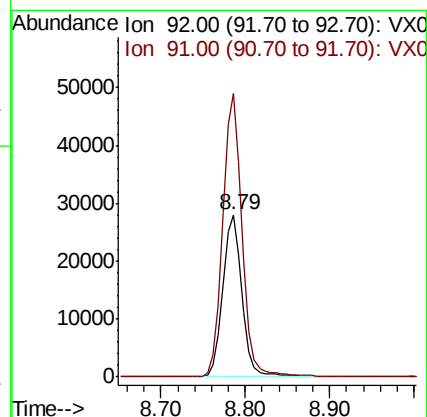
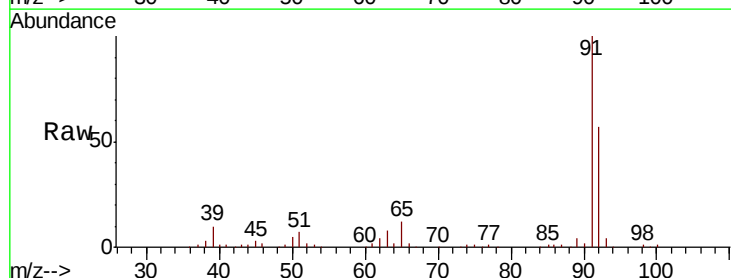
Acq: 13 Nov 2018 01:19

Tgt Ion: 92 Resp: 44304

Ion Ratio Lower Upper

92 100

91 175.5 140.4 210.6





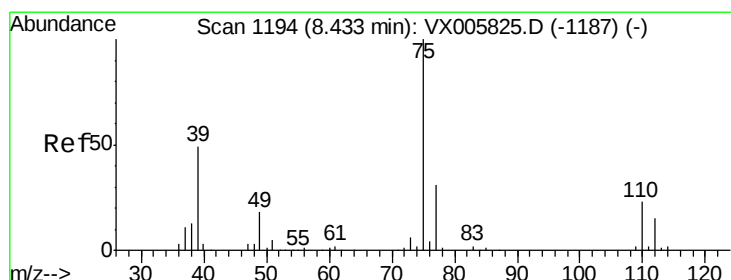
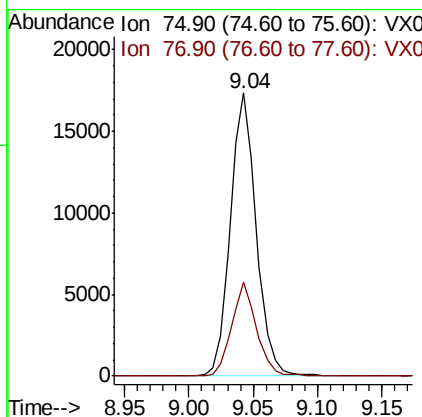
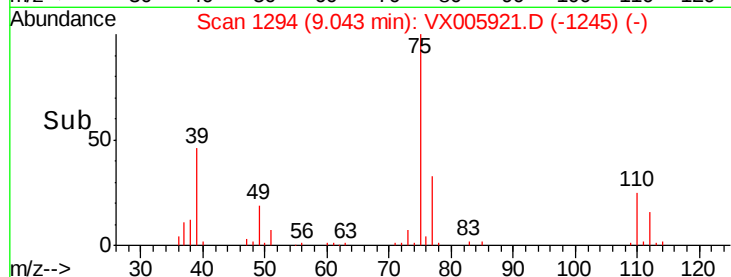
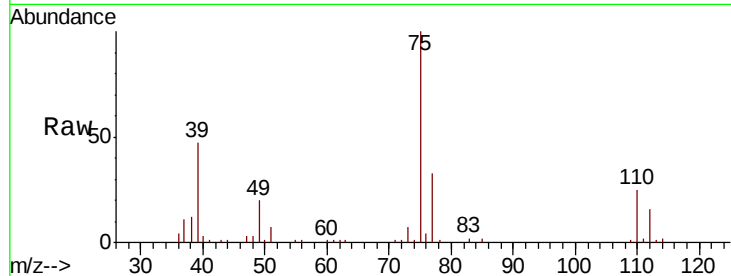
#53
t-1,3-Dichloropropene
Concen: 17.686 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion: 75 Resp: 24422
Ion Ratio Lower Upper
75 100
77 33.1 25.4 38.2

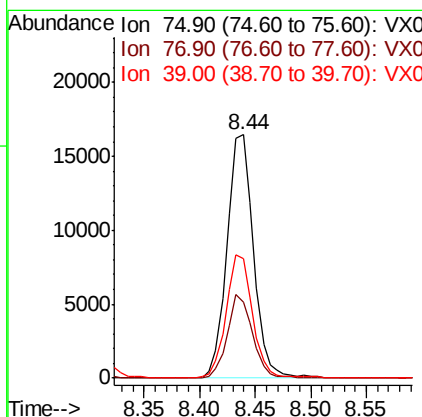
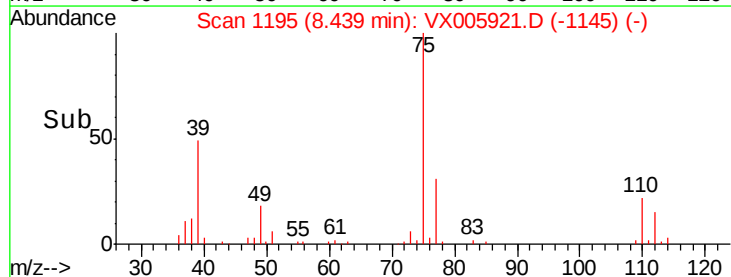
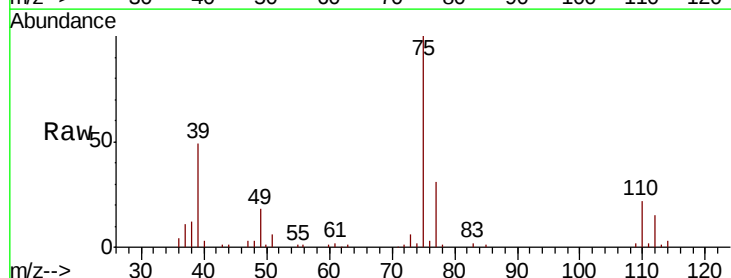
Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:31 PM



#54
cis-1,3-Dichloropropene
Concen: 19.284 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tgt Ion: 75 Resp: 27141
Ion Ratio Lower Upper
75 100
77 31.2 25.2 37.8
39 49.2 38.2 57.2





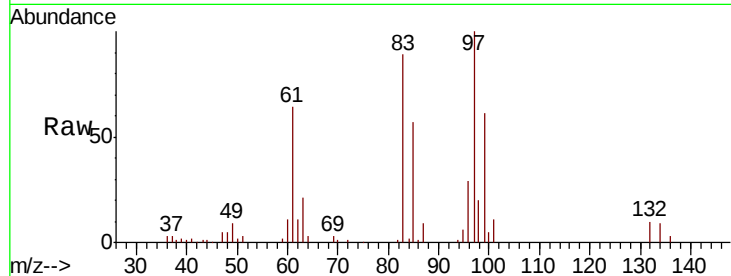
#55
 1,1,2-Trichloroethane
 Concen: 18.556 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005921.D
 Acq: 13 Nov 2018 01:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		18789		
83	89.0	70.7	106.1		
85	56.8	45.8	68.6		
99	61.1	51.8	77.8		

Manual Integrations
 APPROVED

MMDadoda
 11/13/2018 12:19:31 PM



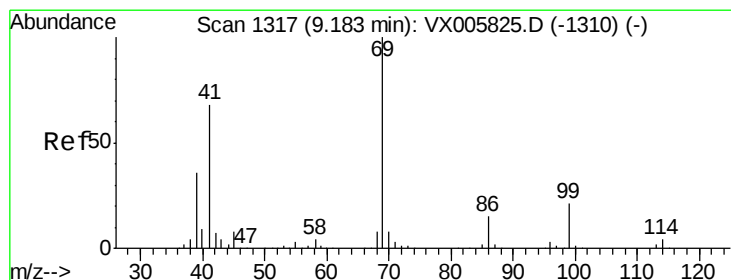
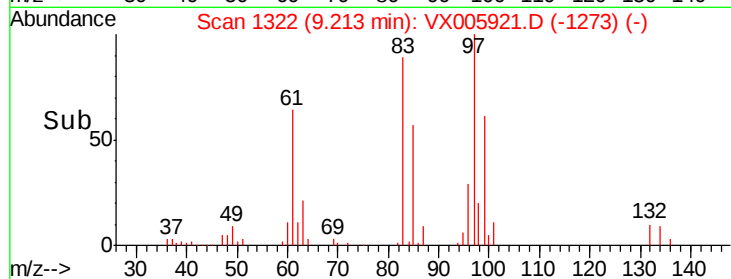
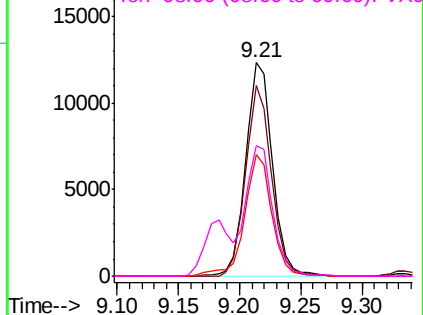
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

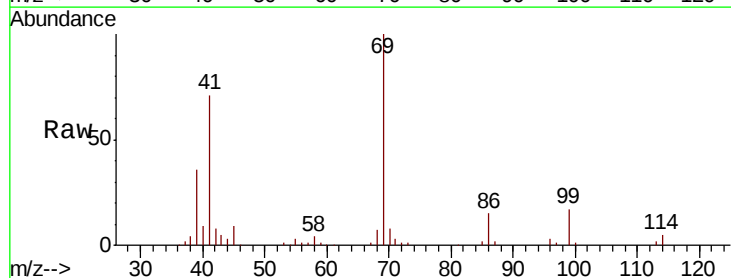
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 17.715 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005921.D
 Acq: 13 Nov 2018 01:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		26840		
41	72.5	57.0	85.6		
39	36.5	28.3	42.5		

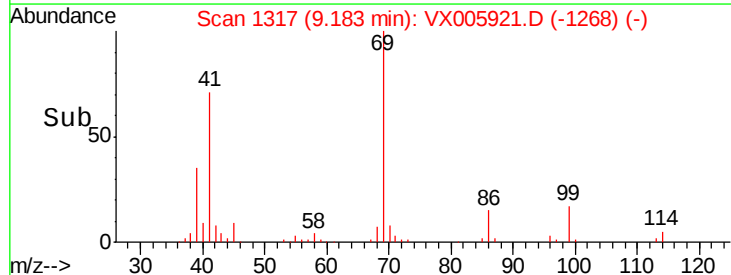
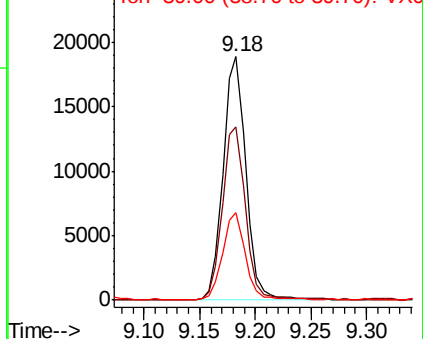


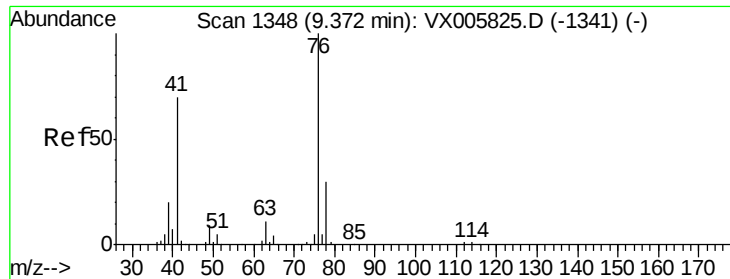
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 18.171 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 76 Resp: 30921

Ion Ratio Lower Upper

76 100

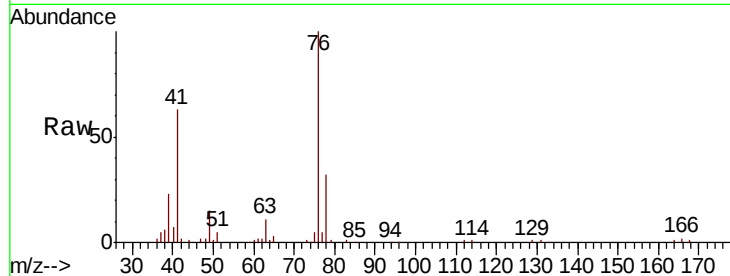
78 32.8 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

11/13/2018 12:19:31 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

25000

20000

15000

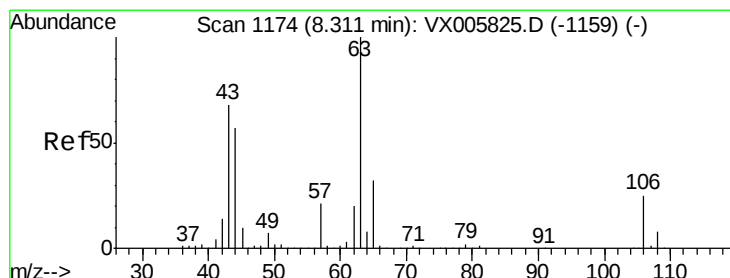
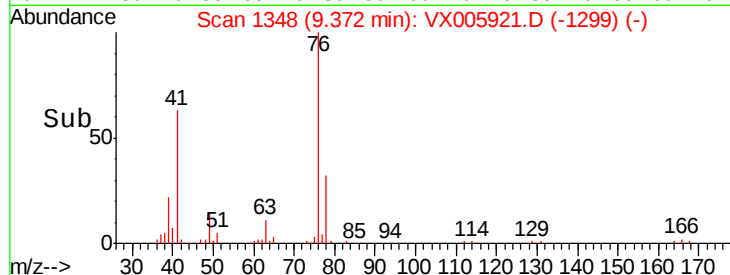
10000

5000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 106.722 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX005921.D

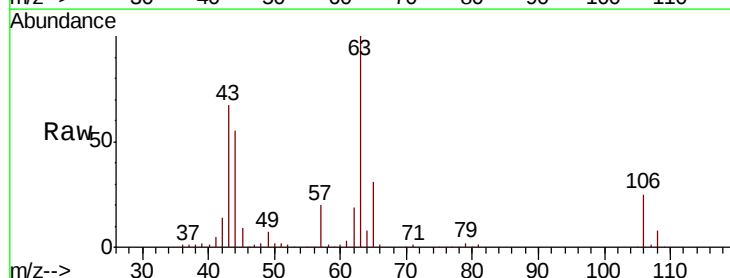
Acq: 13 Nov 2018 01:19

Tgt Ion: 63 Resp: 84055

Ion Ratio Lower Upper

63 100

106 26.9 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

60000

50000

40000

30000

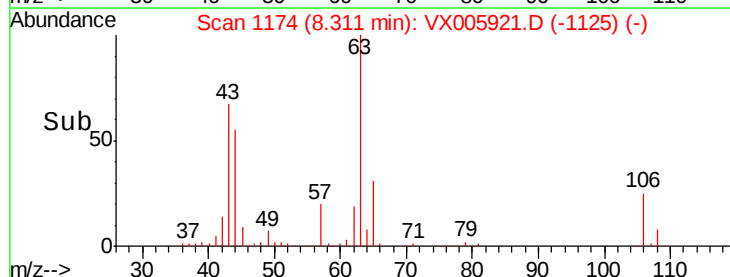
20000

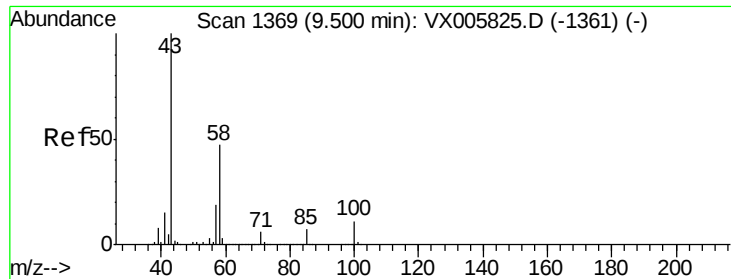
10000

0

8.20 8.30 8.40

Time-->





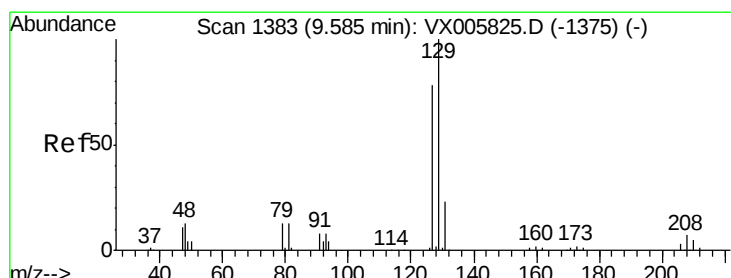
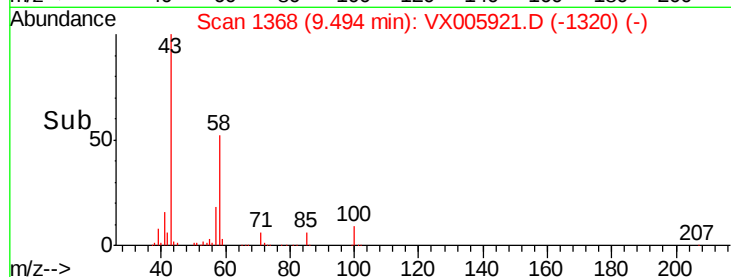
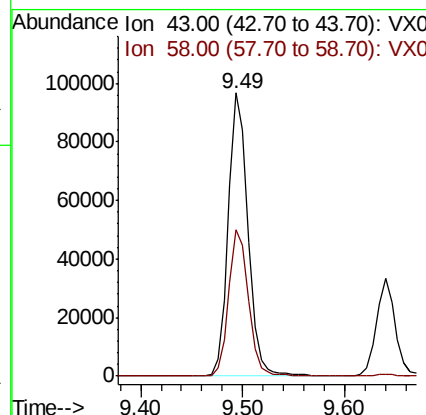
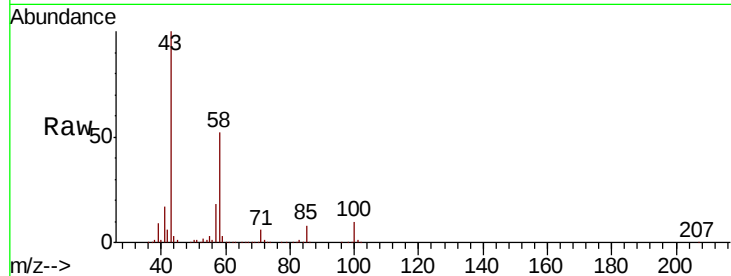
#59
2-Hexanone
Concen: 88.211 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion: 43 Resp: 130211
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.8

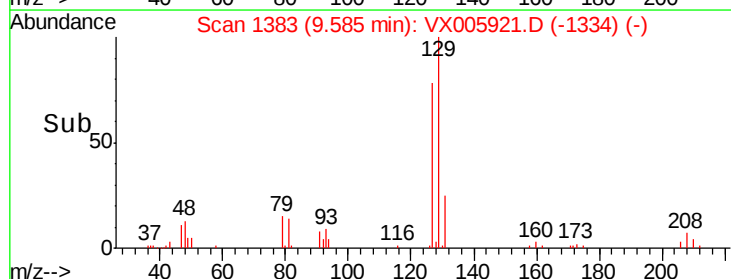
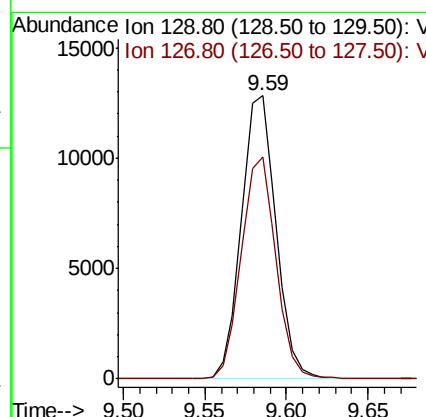
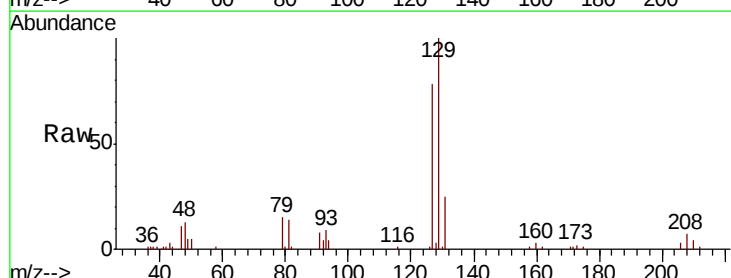
Manual Integrations
APPROVED

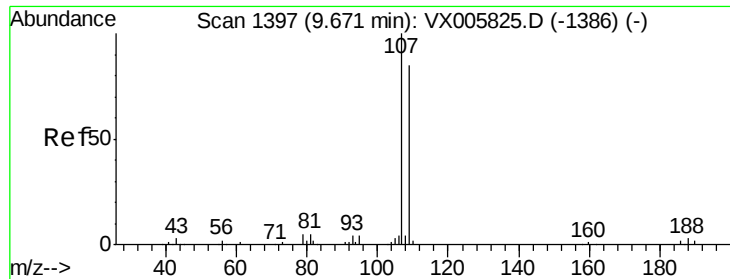
MMDadoda
11/13/2018 12:19:31 PM



#60
Dibromochloromethane
Concen: 17.344 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tgt Ion: 129 Resp: 18980
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 17.285 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion:107 Resp: 19354

Ion Ratio Lower Upper

107 100

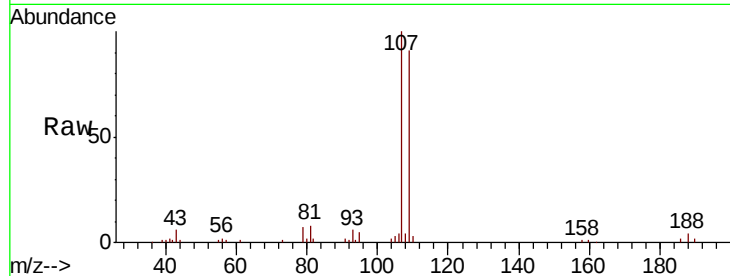
109 94.8 75.7 113.5

Manual Integrations

APPROVED

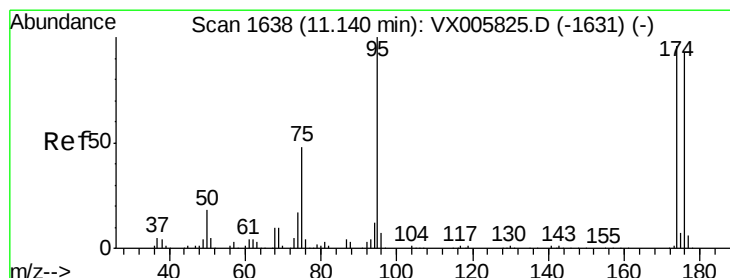
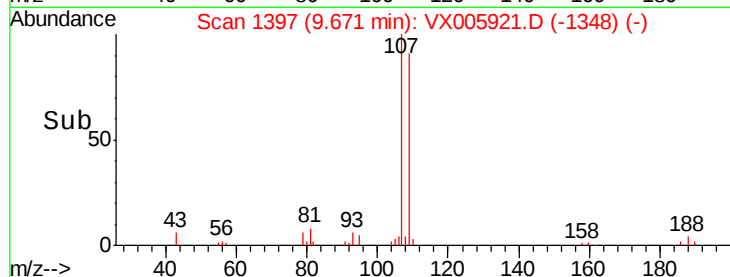
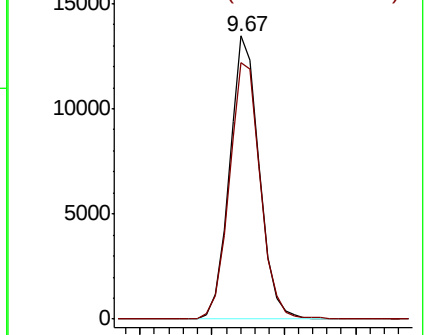
MMDadoda

11/13/2018 12:19:31 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.002 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

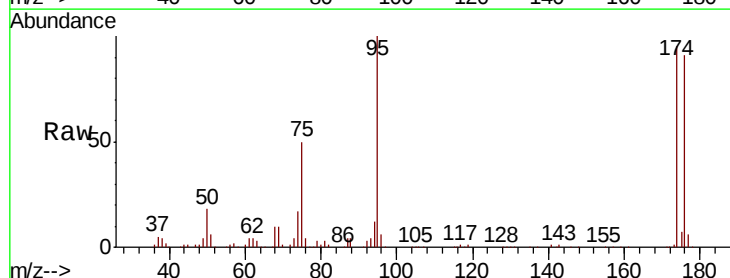
Tgt Ion: 95 Resp: 65859

Ion Ratio Lower Upper

95 100

174 90.4 0.0 184.4

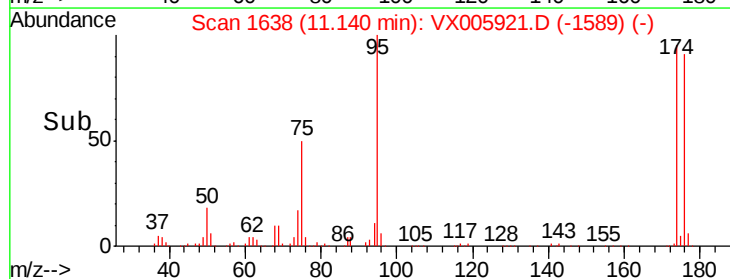
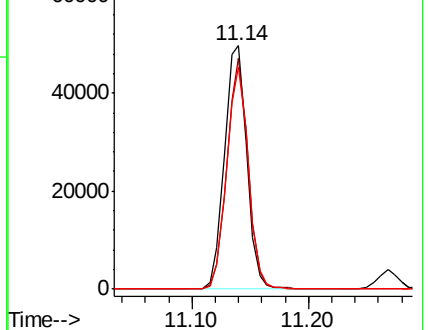
176 88.7 0.0 177.4

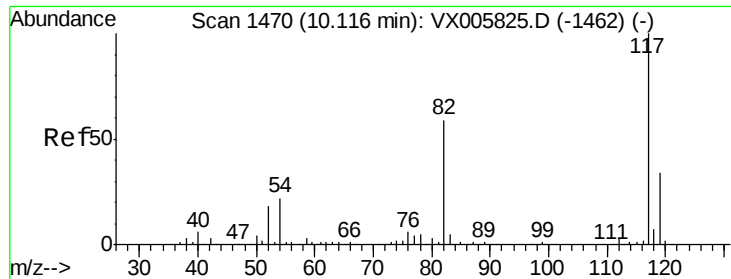


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





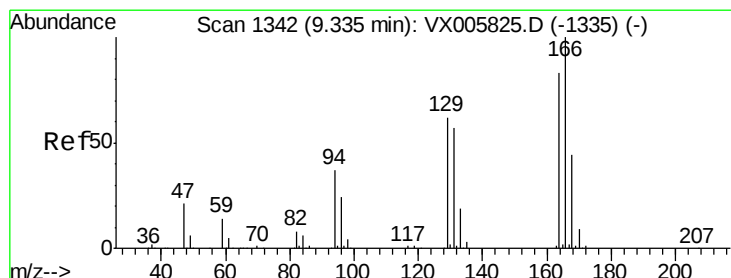
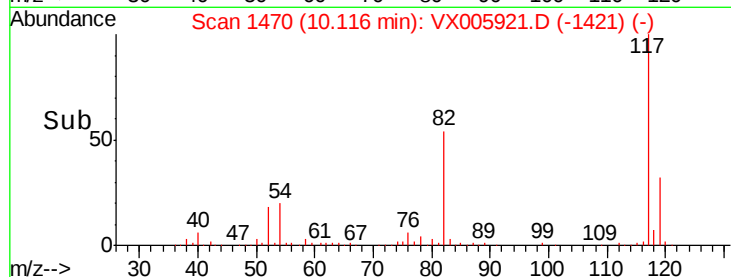
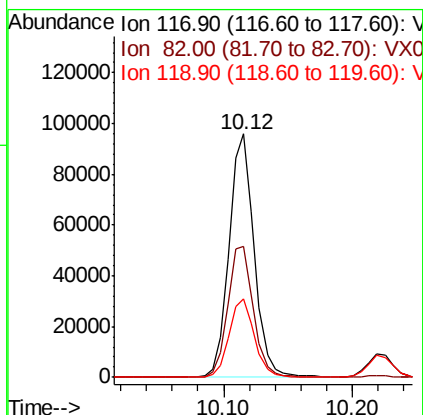
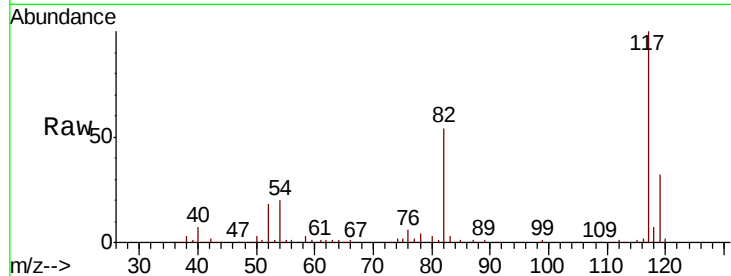
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.1	66.1
119	32.5	26.2	39.2

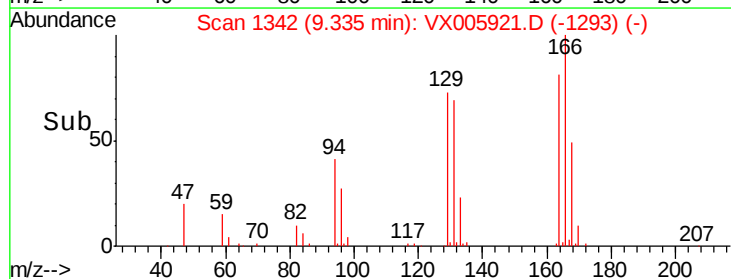
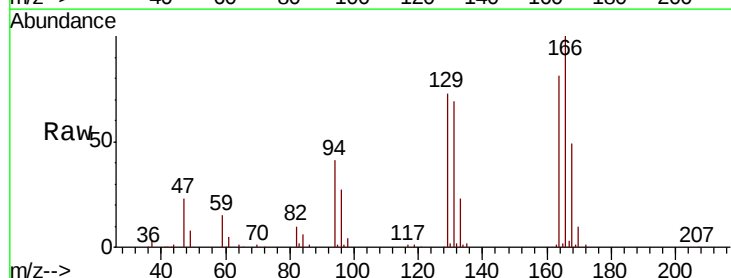
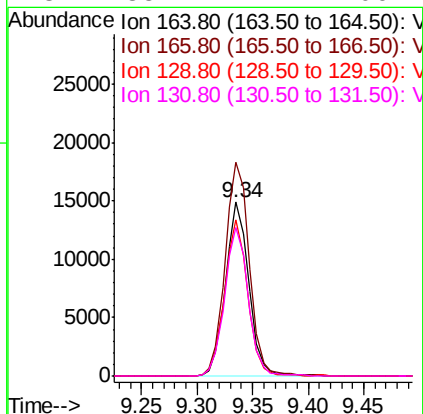
Manual Integrations
APPROVED

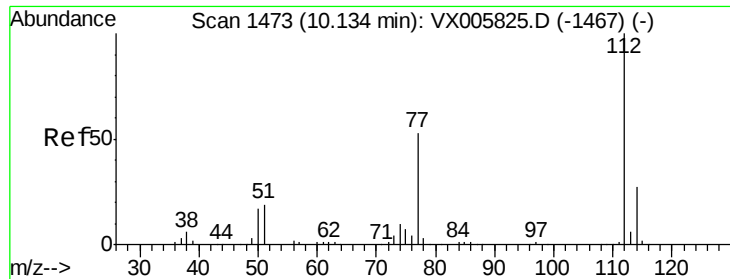
MMDadoda
11/13/2018 12:19:31 PM



#64
Tetrachloroethene
Concen: 19.454 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	101.9	152.9
129	90.1	72.6	109.0
131	85.4	71.1	106.7





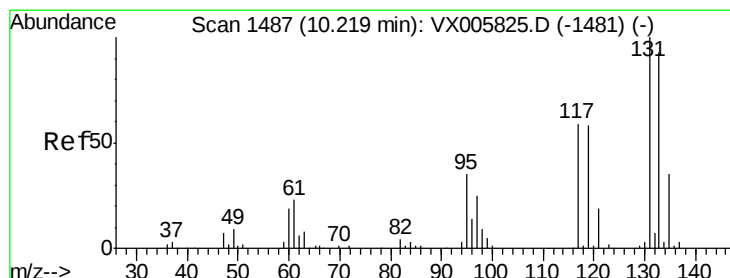
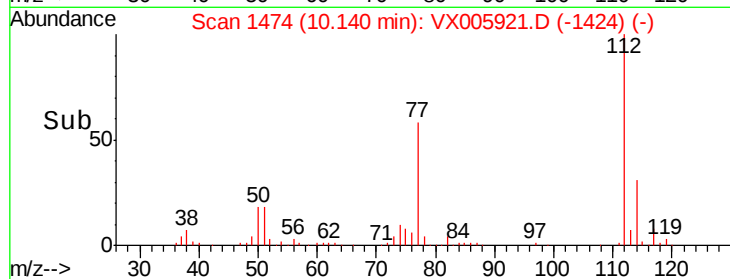
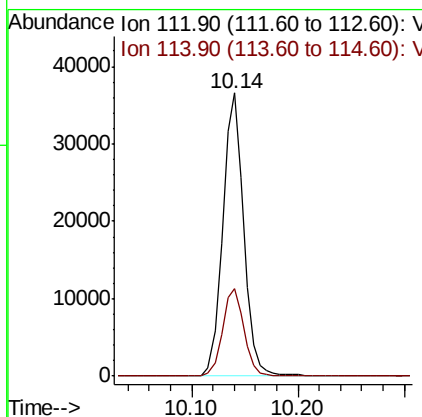
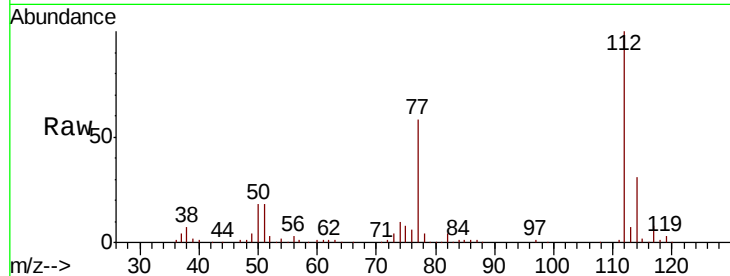
#65
Chlorobenzene
Concen: 19.145 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion:112 Resp: 50156
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.6

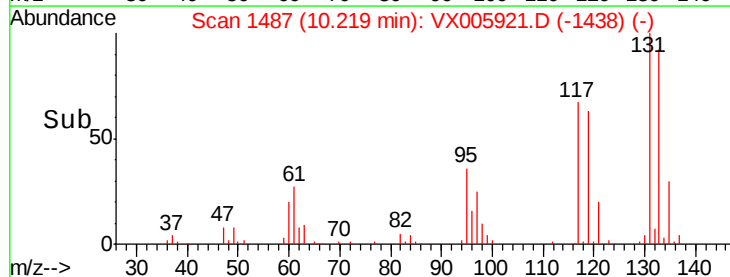
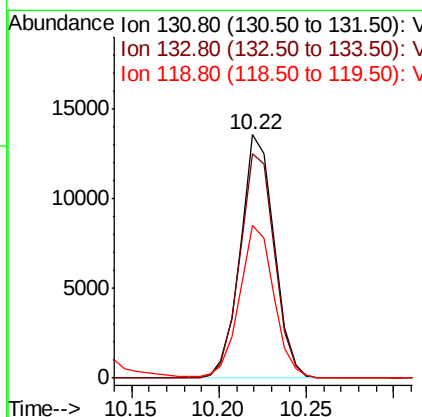
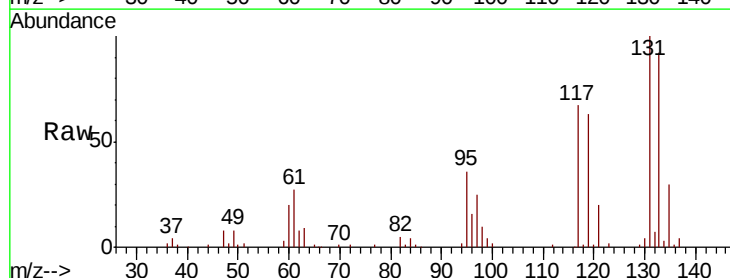
Manual Integrations
APPROVED

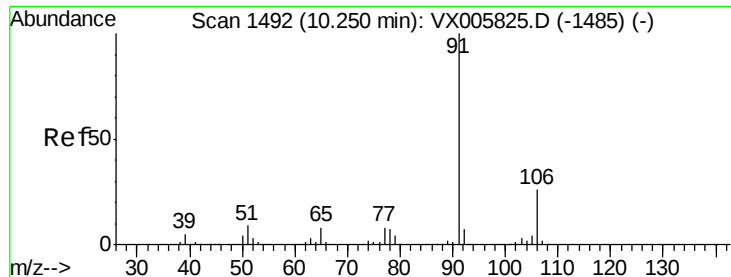
MMDadoda
11/13/2018 12:19:31 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.046 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tgt Ion:131 Resp: 18258
Ion Ratio Lower Upper
131 100
133 94.5 47.5 142.5
119 63.5 31.8 95.3





#67

Ethyl Benzene

Concen: 20.027 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 91 Resp: 84129

Ion Ratio Lower Upper

91 100

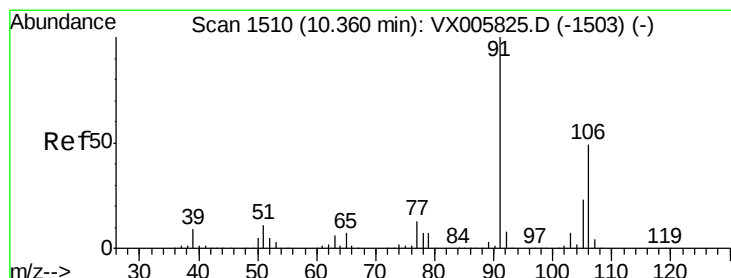
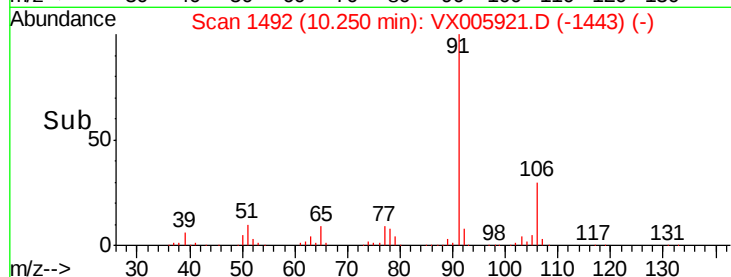
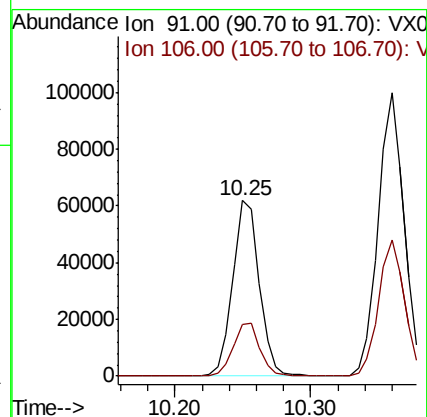
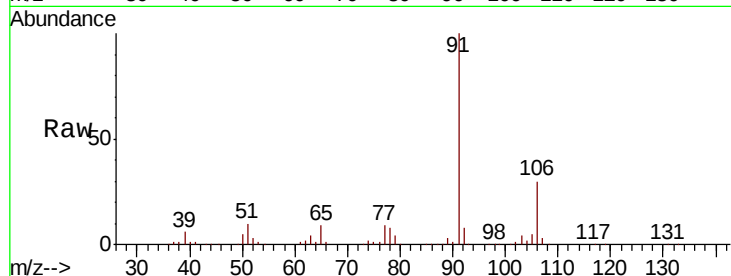
106 29.7 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

11/13/2018 12:19:31 PM



#68

m/p-Xylenes

Concen: 40.241 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005921.D

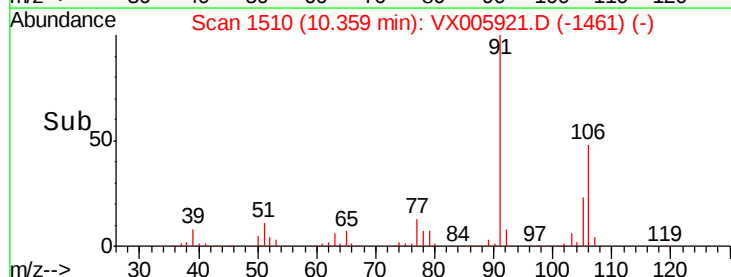
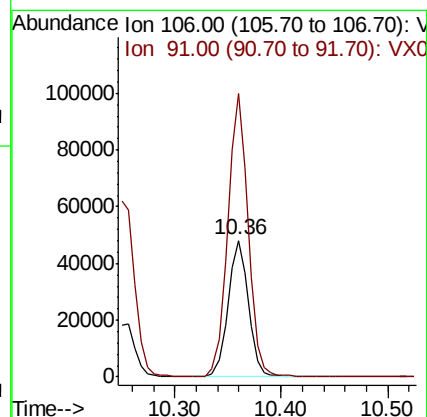
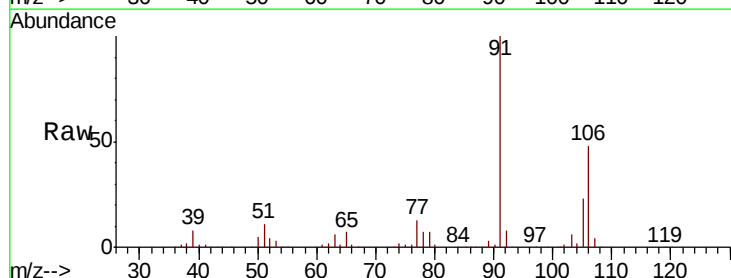
Acq: 13 Nov 2018 01:19

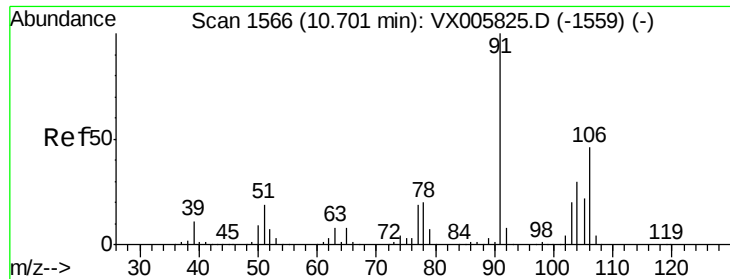
Tgt Ion: 106 Resp: 64481

Ion Ratio Lower Upper

106 100

91 207.3 164.2 246.4





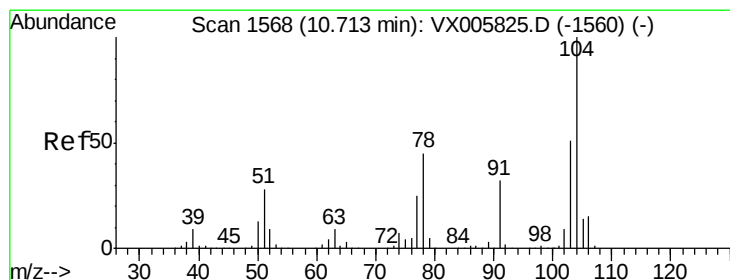
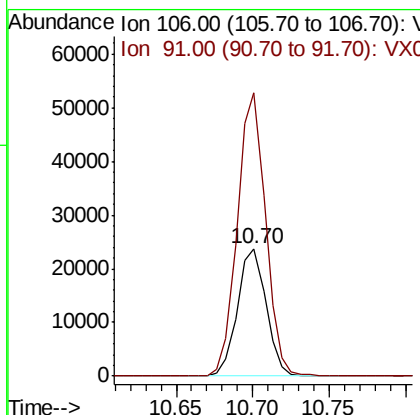
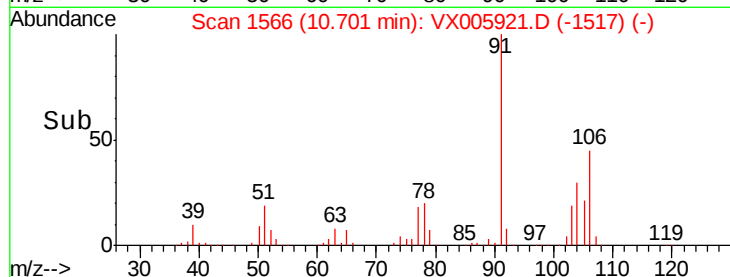
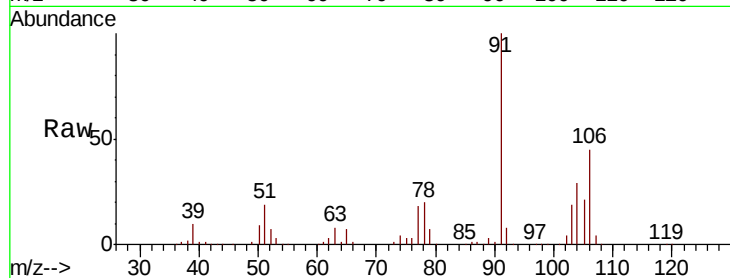
#69
o-Xylene
Concen: 21.509 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion:106 Resp: 30906
Ion Ratio Lower Upper
106 100
91 218.8 108.5 325.5

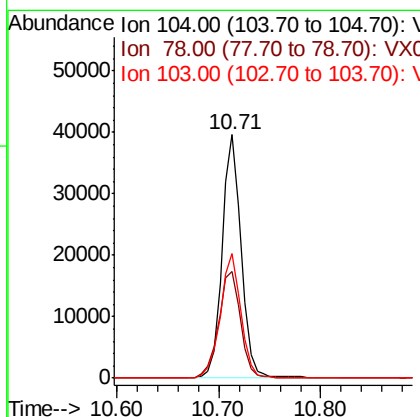
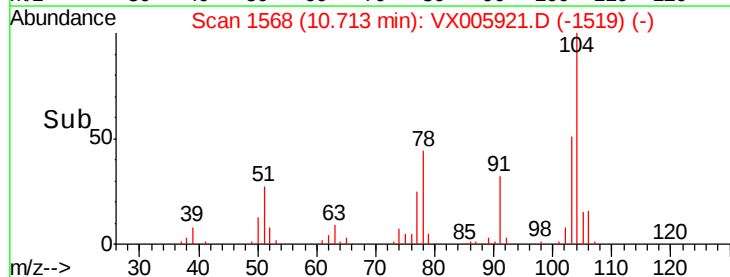
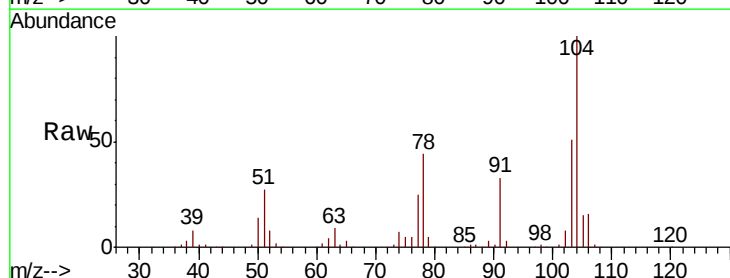
Manual Integrations
APPROVED

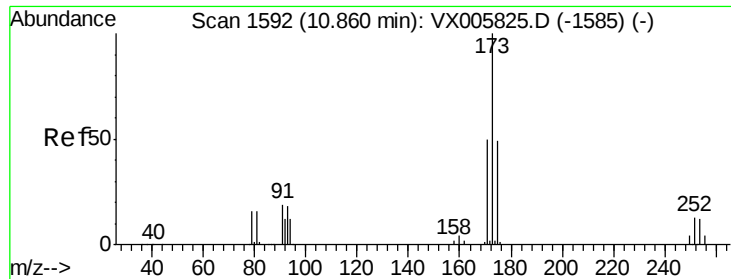
MMDadoda
11/13/2018 12:19:31 PM



#70
Styrene
Concen: 21.738 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tgt Ion:104 Resp: 51524
Ion Ratio Lower Upper
104 100
78 51.1 40.2 60.4
103 55.6 44.9 67.3





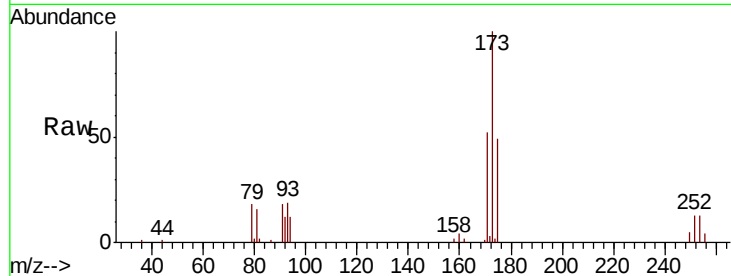
#71
Bromoform
Concen: 20.101 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.8	74.3
254	0.0	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:31 PM

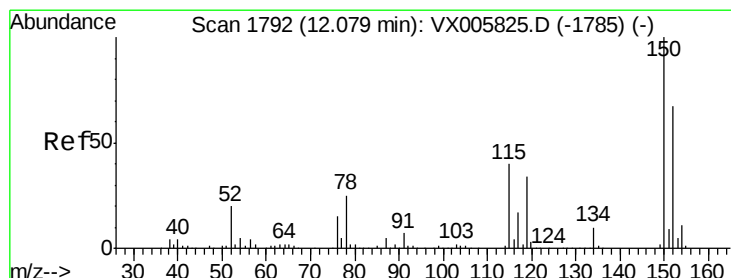
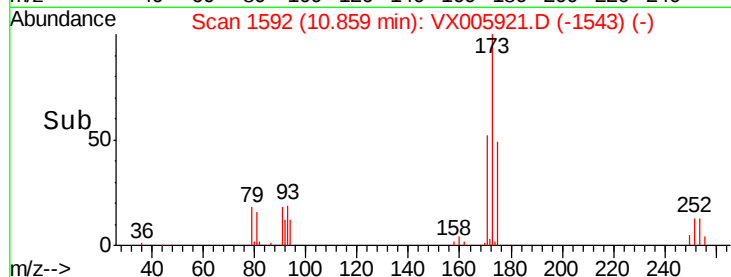
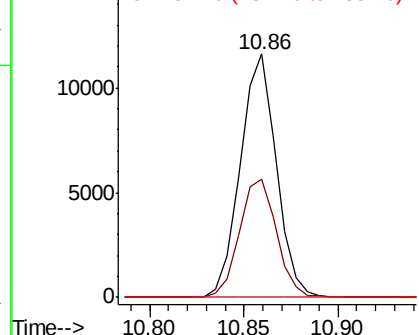


Abundance

Ion 172.70 (172.40 to 173.40): V

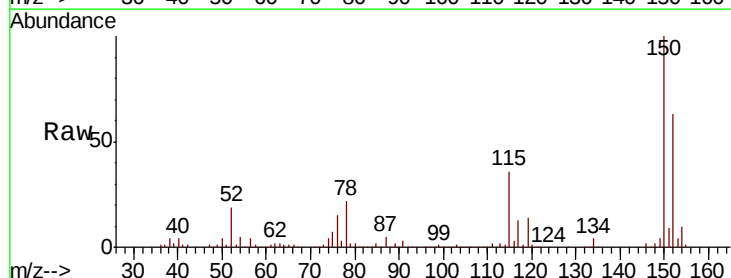
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.0	39.4	118.1
150	163.6	0.0	346.4

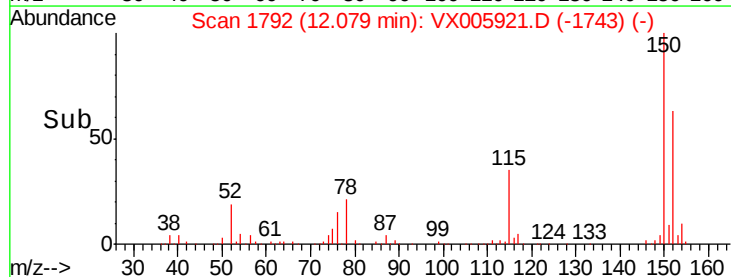
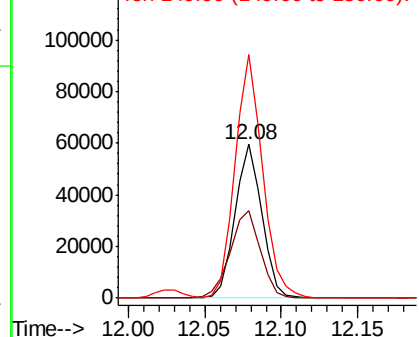


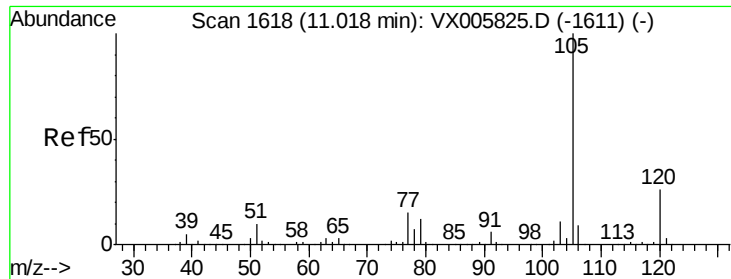
Abundance

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: 20.495 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 105 Resp: 85272

Ion Ratio Lower Upper

105 100

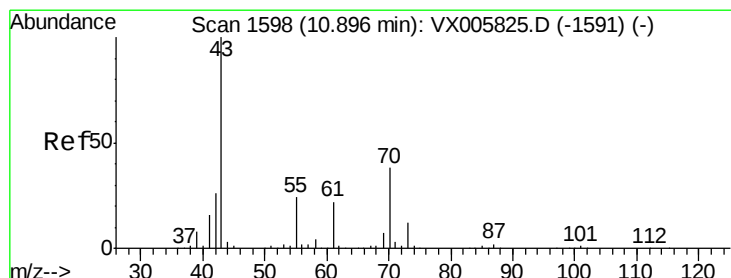
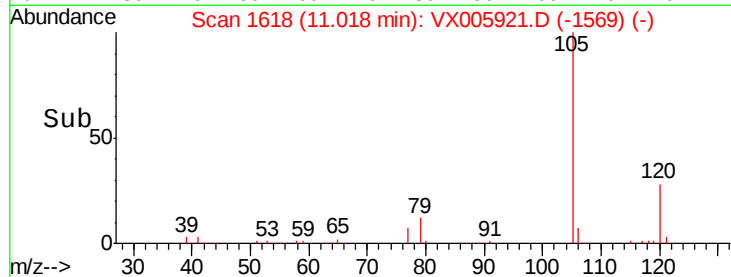
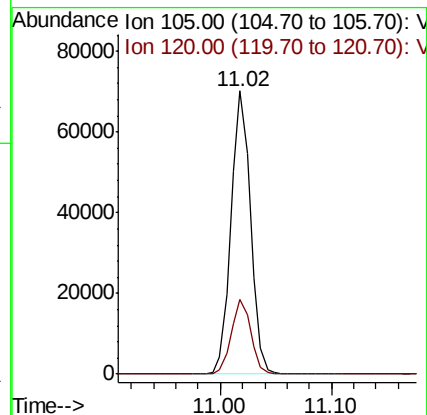
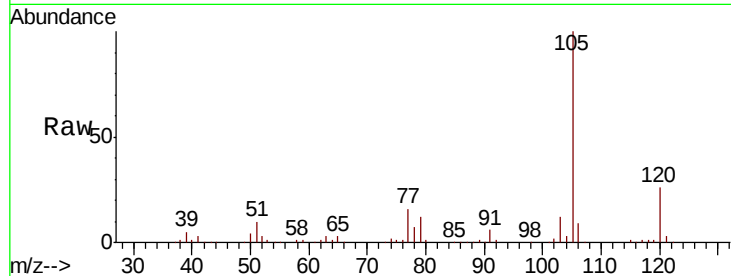
120 26.4 13.1 39.3

Manual Integrations

APPROVED

MMDadoda

11/13/2018 12:19:31 PM



#74

N-ethyl acetate

Concen: 18.140 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Tgt Ion: 43 Resp: 40438

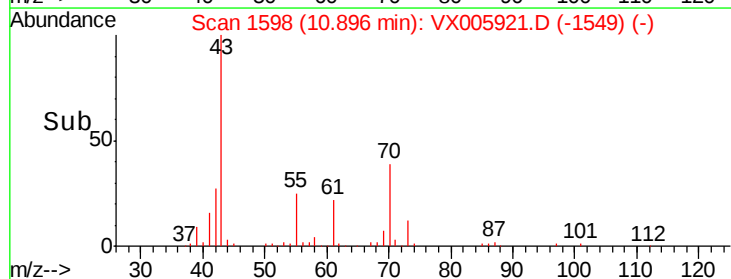
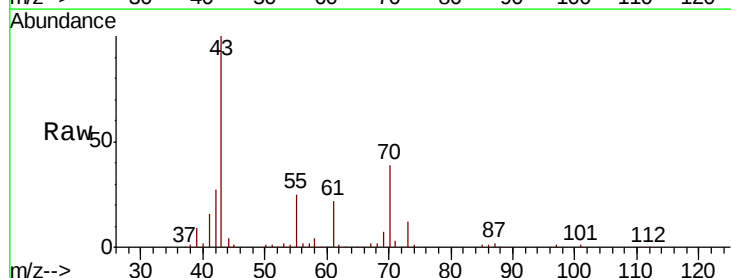
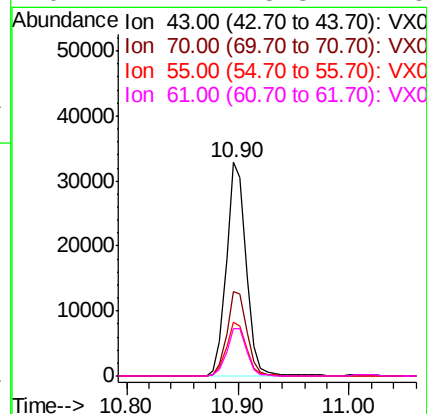
Ion Ratio Lower Upper

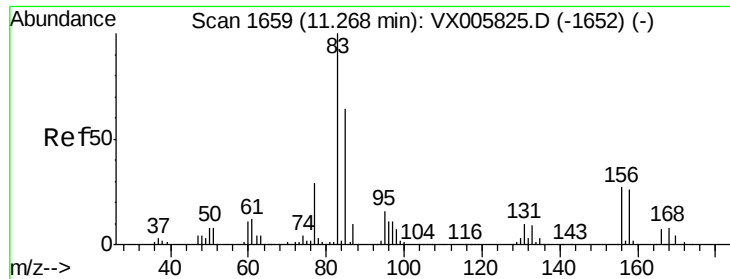
43 100

70 39.6 31.6 47.4

55 25.4 19.7 29.5

61 22.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.394 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

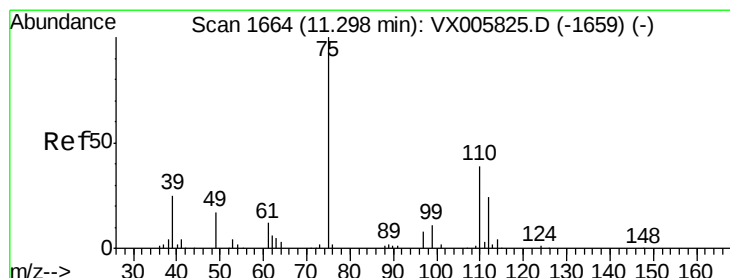
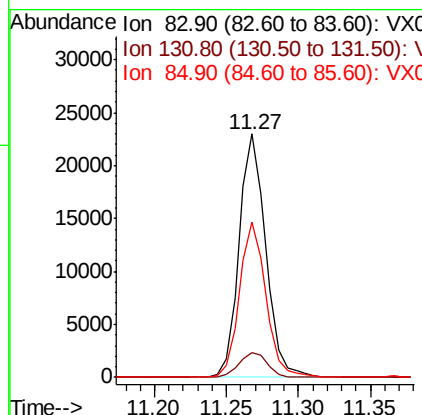
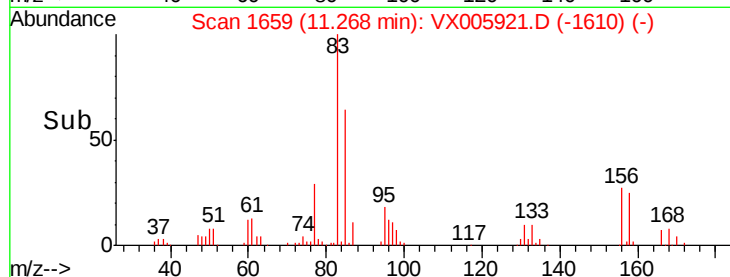
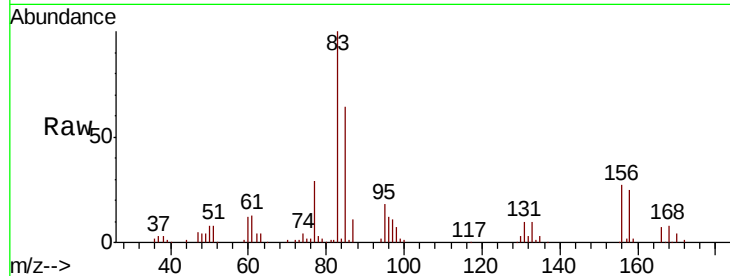
ClientSampleId :

VX1112WBS02

Tot Ion:	83	Resp:	29617
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.9
85	63.1	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:31 PM



#76

1,2,3-Trichloropropane

Concen: 16.763 ug/l m

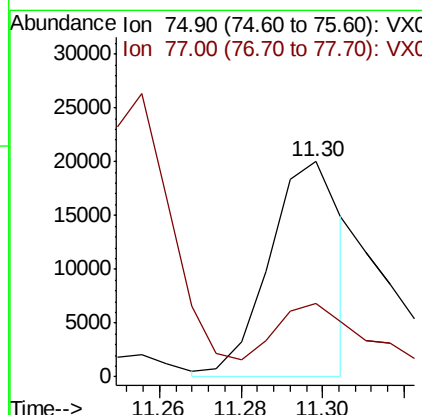
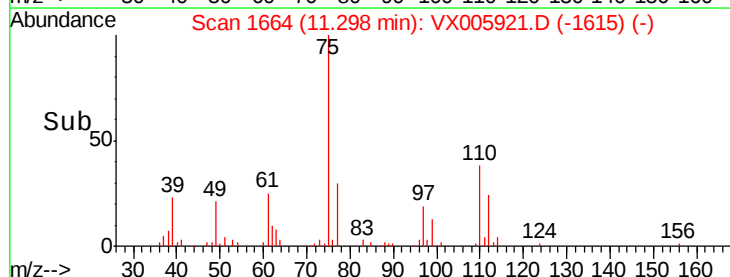
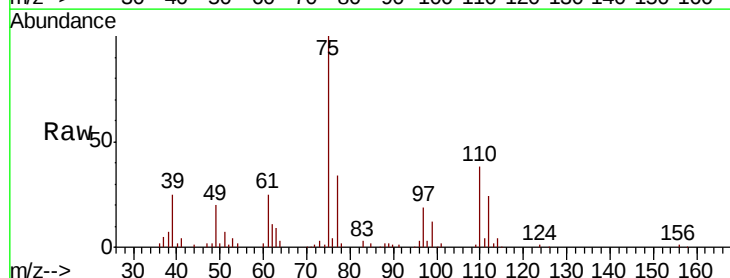
RT: 11.30 min Scan# 1664

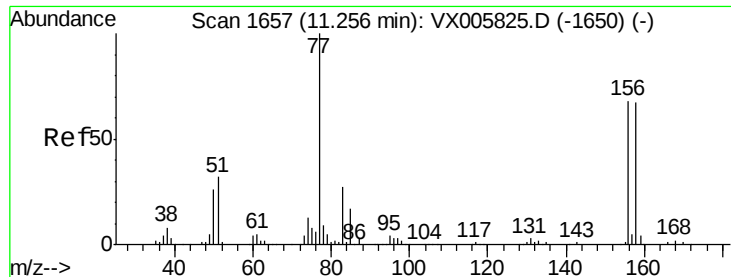
Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Tgt Ion:	75	Resp:	24558
Ion Ratio	Lower	Upper	
75	100		
77	45.4	20.5	61.6





#77

Bromobenzene

Concen: 19.707 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

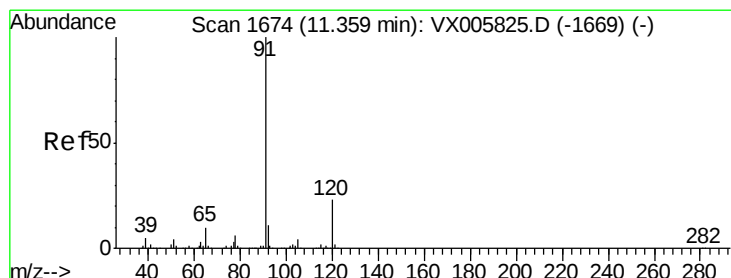
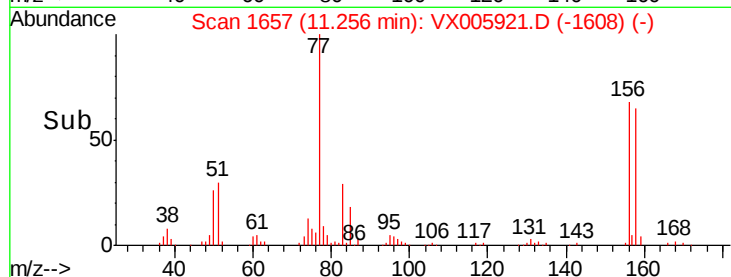
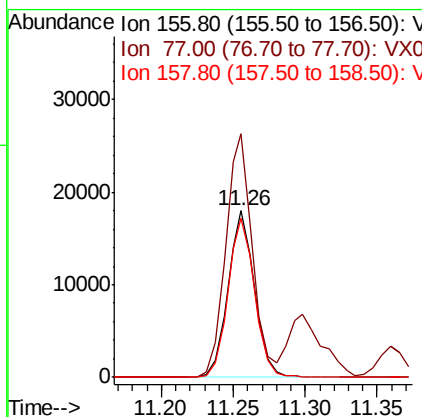
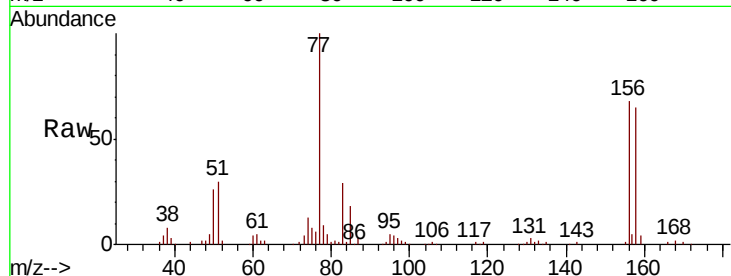
ClientSampleId :

VX1112WBS02

Tot Ion:	156	Resp:	23110
Ion	Ratio	Lower	Upper
156	100		
77	148.2	74.8	224.4
158	96.2	49.1	147.3

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:31 PM



#78

n-propylbenzene

Concen: 19.892 ug/l

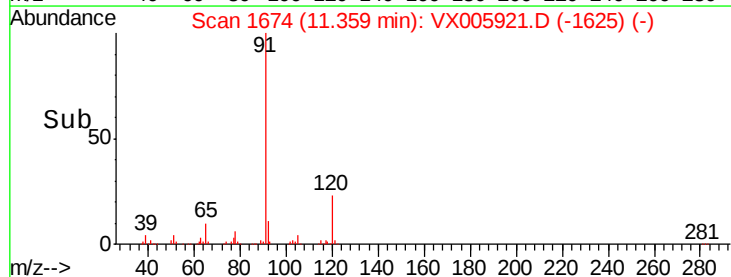
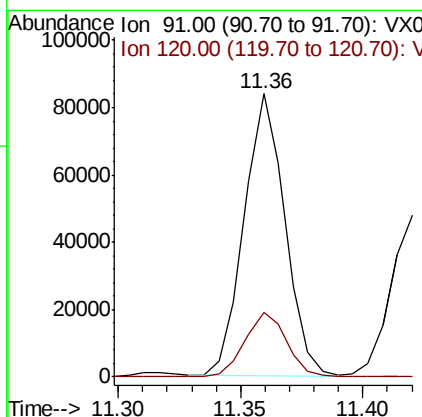
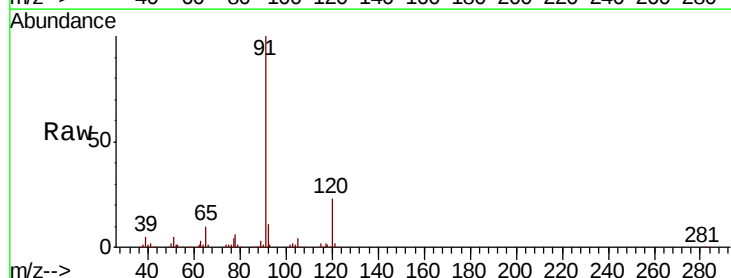
RT: 11.36 min Scan# 1674

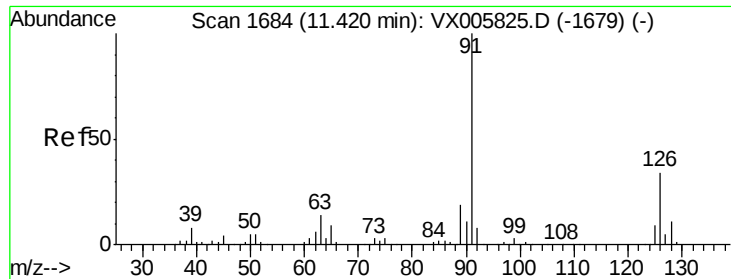
Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Tgt Ion:	91	Resp:	97539
Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.219 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 91 Resp: 59924

Ion Ratio Lower Upper

91 100

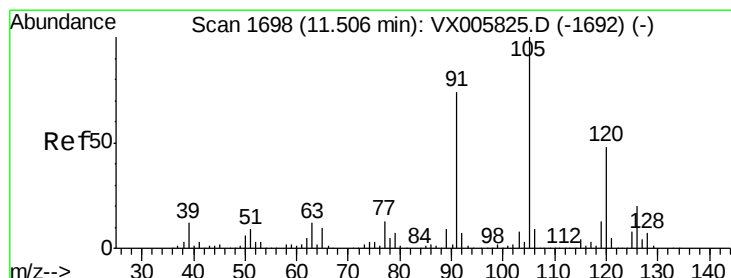
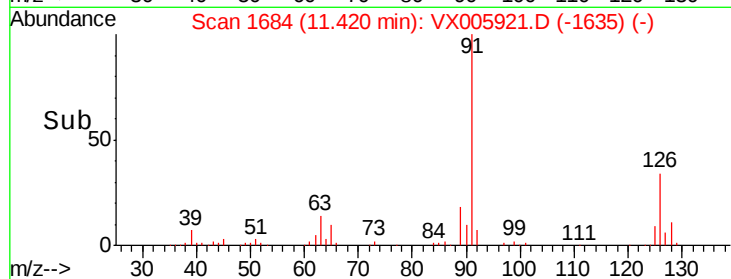
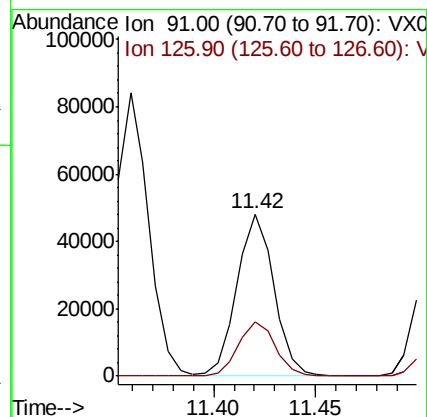
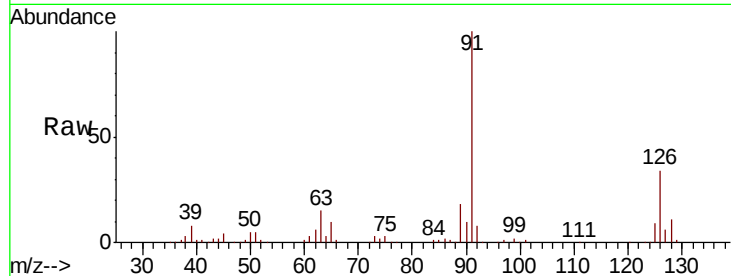
126 34.3 17.3 52.0

Manual Integrations

APPROVED

MMDadoda

11/13/2018 12:19:31 PM



#80

1,3,5-Trimethylbenzene

Concen: 20.553 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005921.D

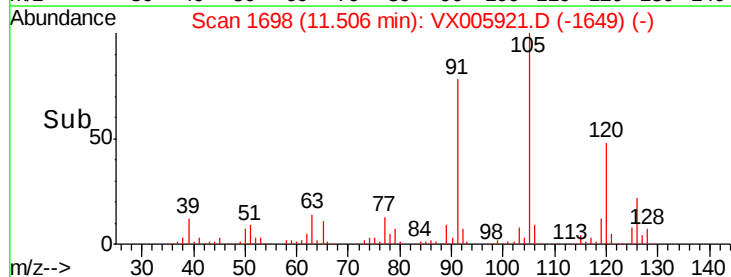
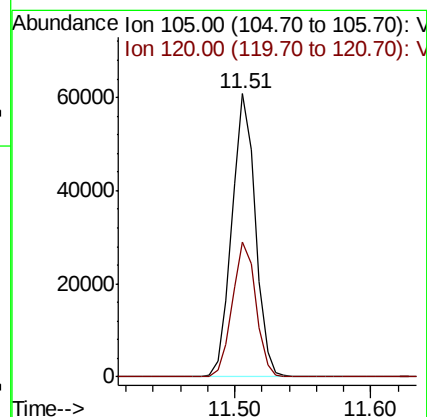
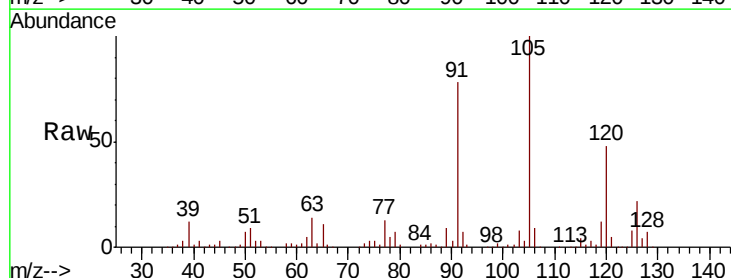
Acq: 13 Nov 2018 01:19

Tgt Ion: 105 Resp: 72667

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.2





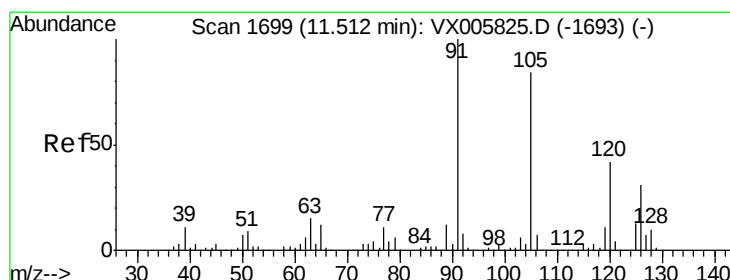
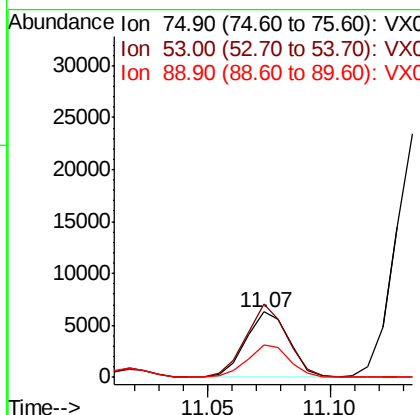
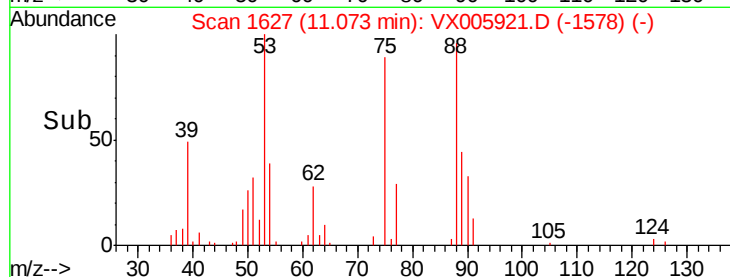
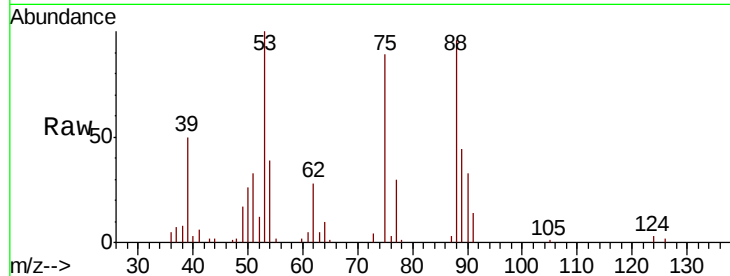
#81
trans-1,4-Dichloro-2-butene
Concen: 17.144 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion: 75 Resp: 7880
Ion Ratio Lower Upper
75 100
53 105.7 80.2 120.2
89 48.1 39.8 59.8

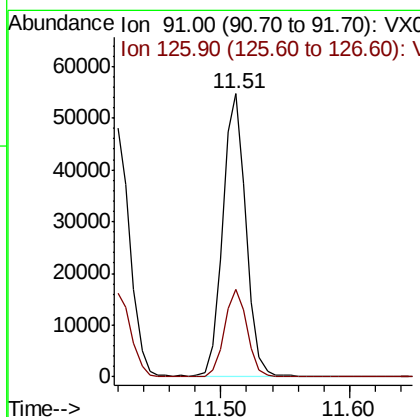
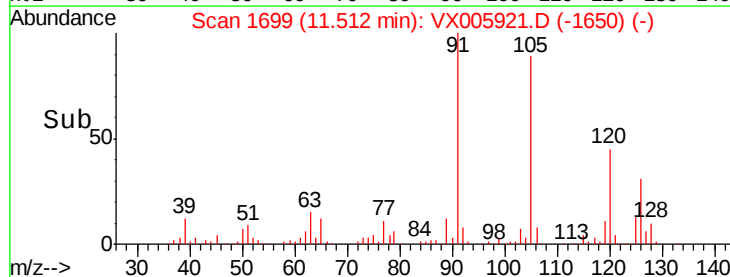
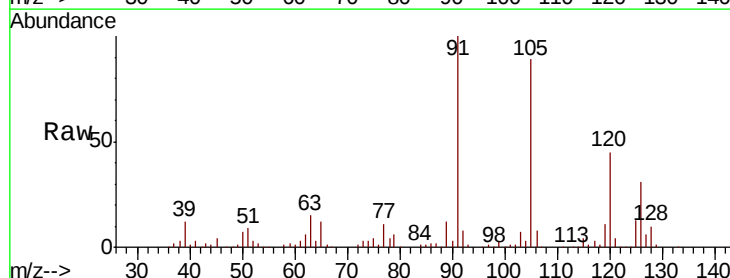
Manual Integrations
APPROVED

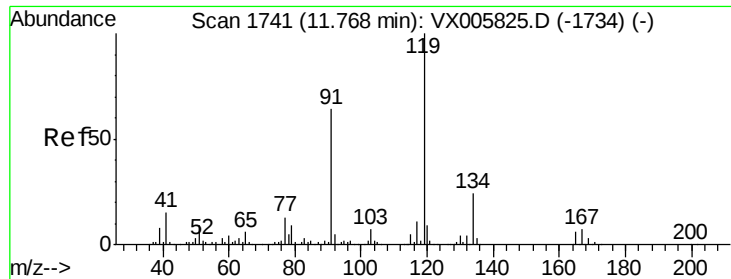
MMDadoda
11/13/2018 12:19:31 PM



#82
4-Chlorotoluene
Concen: 19.952 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tgt Ion: 91 Resp: 69690
Ion Ratio Lower Upper
91 100
126 30.2 15.2 45.6





#83

tert-Butylbenzene

Concen: 19.555 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

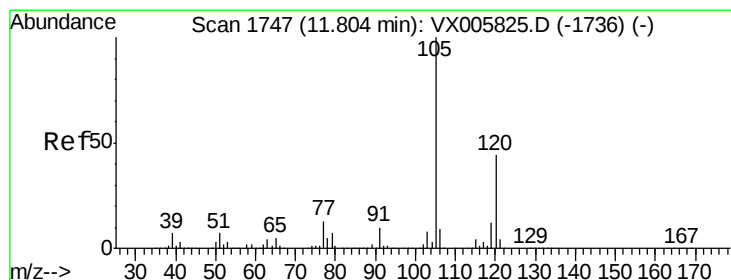
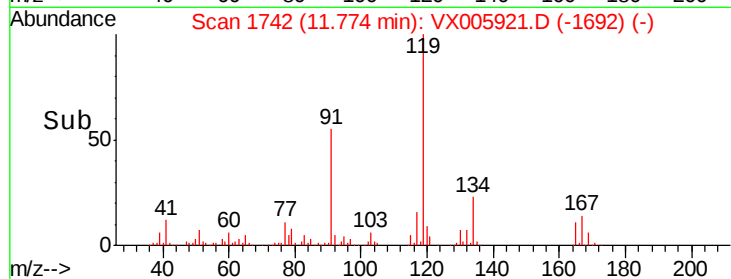
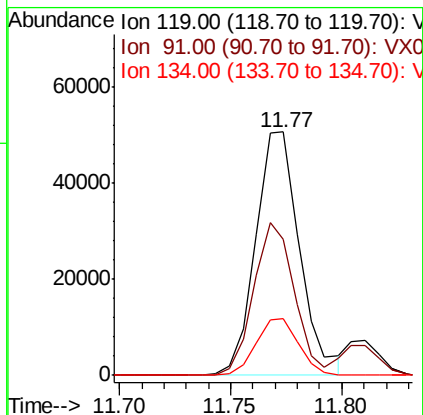
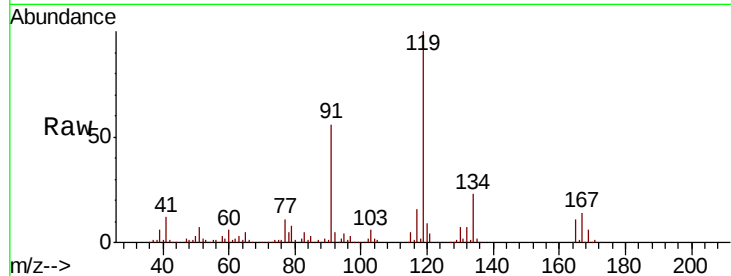
ClientSampleId :

VX1112WBS02

Tot Ion:	119	Resp:	69945
Ion Ratio	Lower	Upper	
119	100		
91	58.0	28.5	85.5
134	22.7	11.3	33.8

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:31 PM



#84

1,2,4-Trimethylbenzene

Concen: 19.053 ug/l

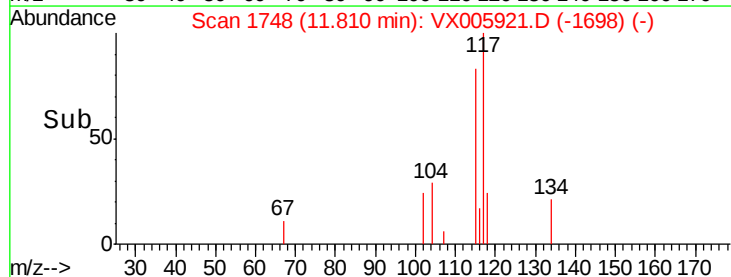
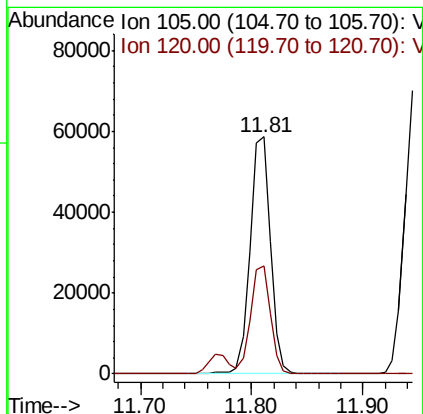
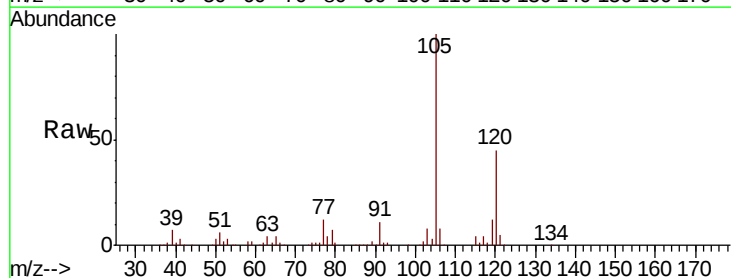
RT: 11.81 min Scan# 1748

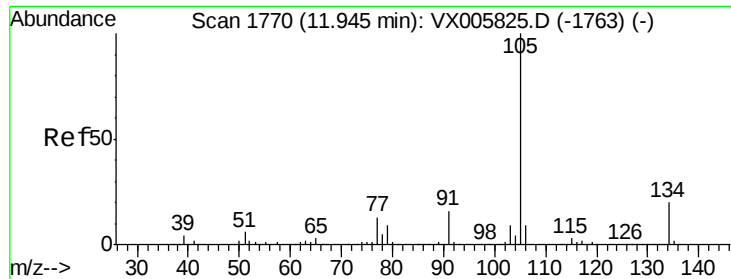
Delta R.T. 0.01 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Tgt Ion:	105	Resp:	74633
Ion Ratio	Lower	Upper	
105	100		
120	44.3	22.4	67.0





#85

sec-Butylbenzene

Concen: 19.653 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion:105 Resp: 85963

Ion Ratio Lower Upper

105 100

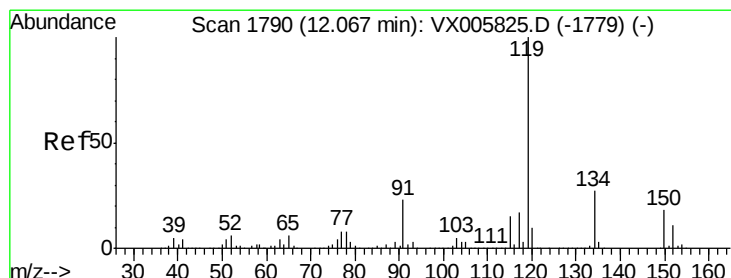
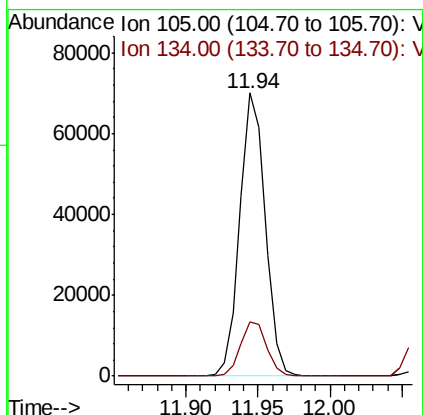
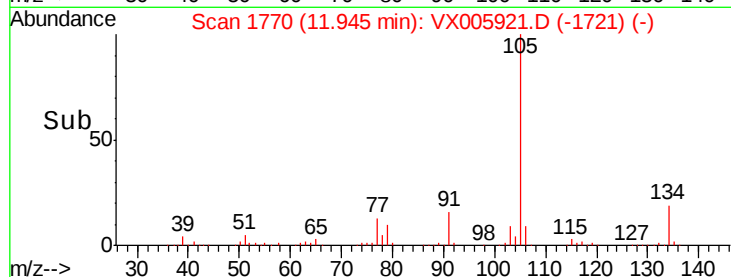
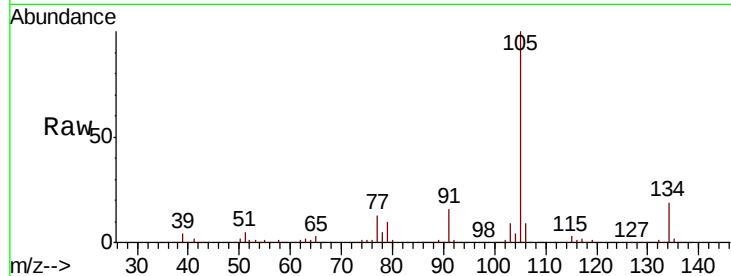
134 19.8 10.2 30.4

Manual Integrations

APPROVED

MMDadoda

11/13/2018 12:19:31 PM



#86

p-Isopropyltoluene

Concen: 19.893 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

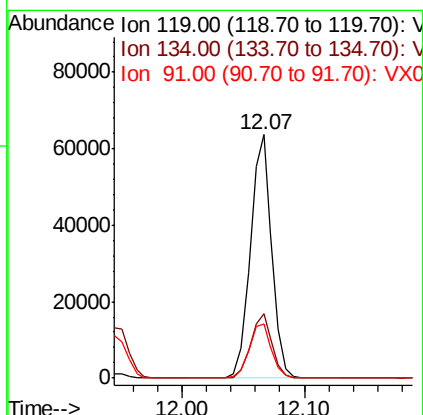
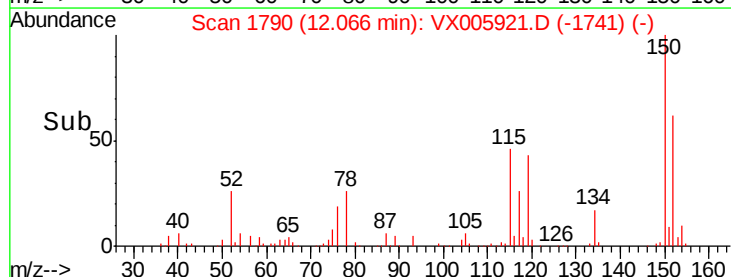
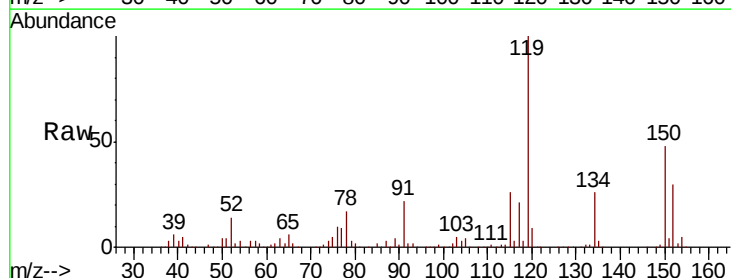
Tgt Ion:119 Resp: 77072

Ion Ratio Lower Upper

119 100

134 26.2 13.0 39.0

91 23.3 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 18.541 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Instrument :

MSVOA_X

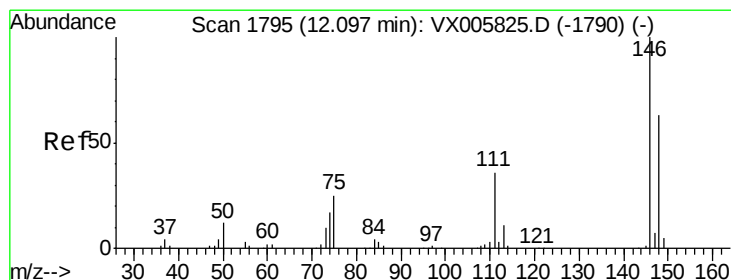
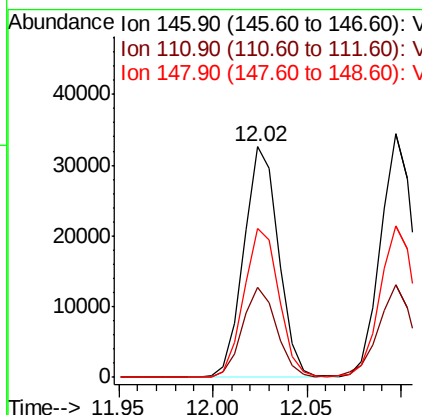
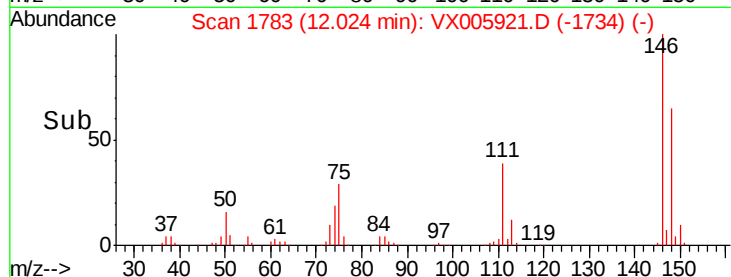
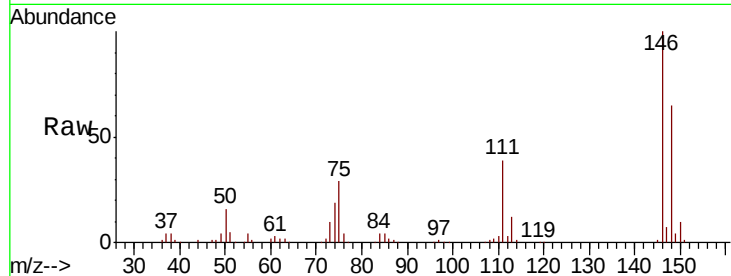
ClientSampleId :

VX1112WBS02

Tot Ion:	146	Resp:	41727
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.0	57.0
148	65.1	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:31 PM



#88

1,4-Dichlorobenzene

Concen: 18.529 ug/l

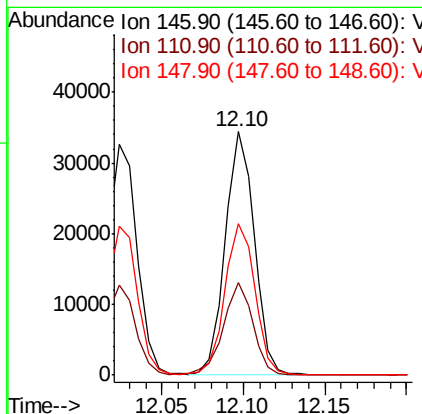
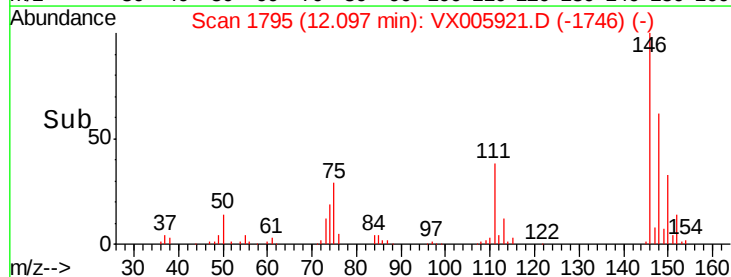
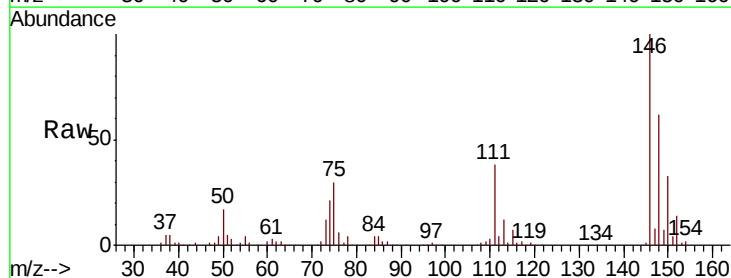
RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX005921.D

Acq: 13 Nov 2018 01:19

Tgt Ion:	146	Resp:	42689
Ion Ratio	Lower	Upper	
146	100		
111	38.8	18.6	55.8
148	64.5	32.1	96.3





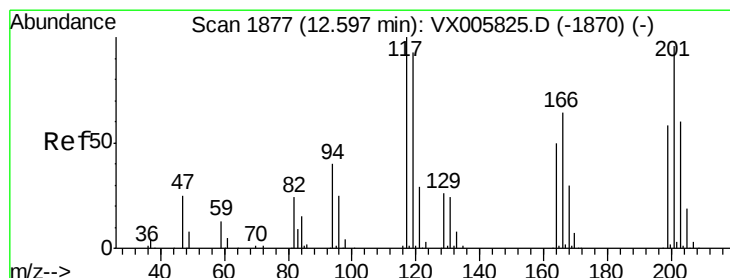
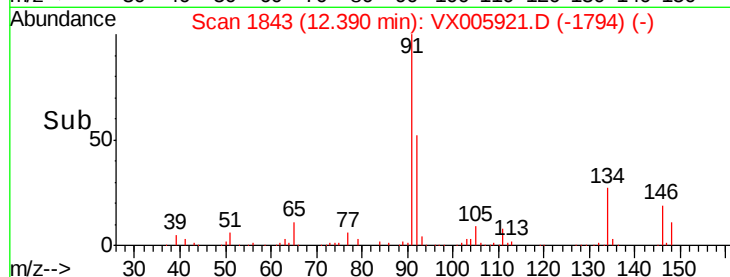
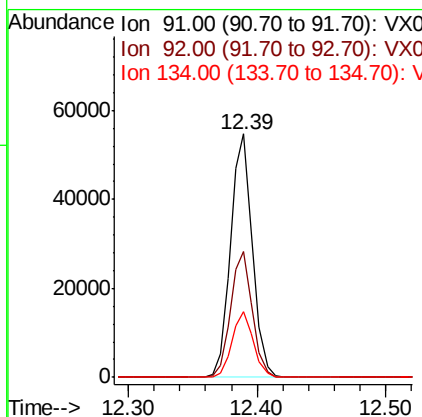
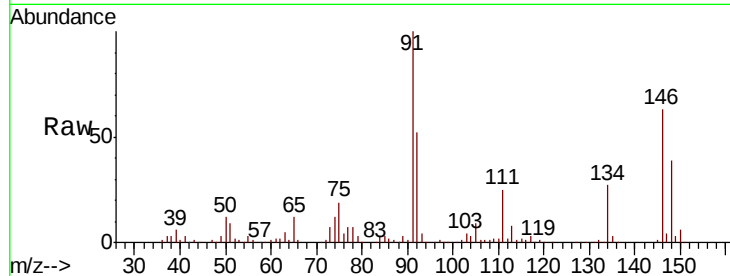
#89
n-Butylbenzene
Concen: 18.102 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.1	78.2
134	26.1	13.1	39.3

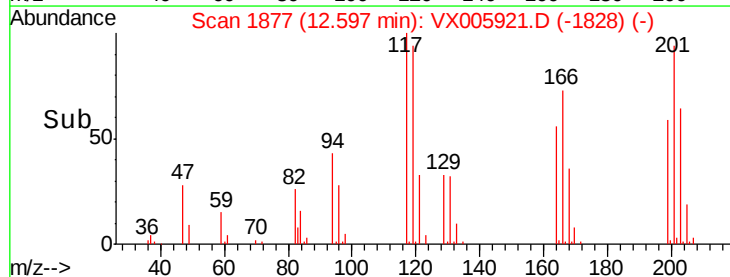
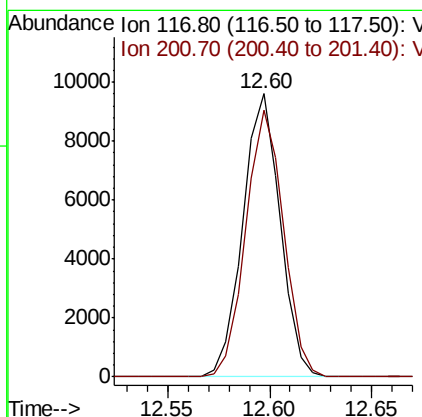
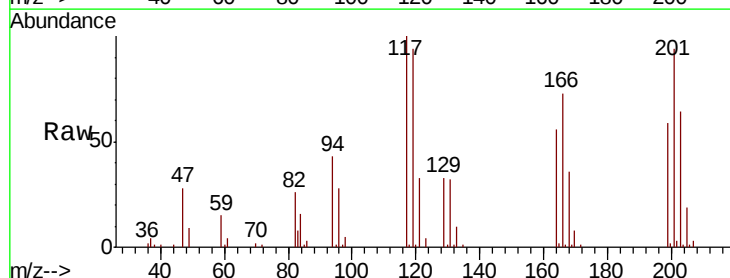
Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:31 PM



#90
Hexachloroethane
Concen: 18.833 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.7	47.9	143.6





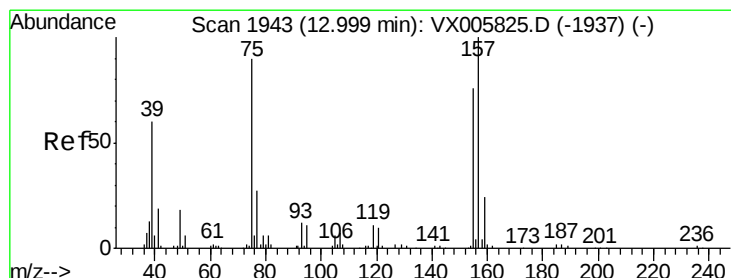
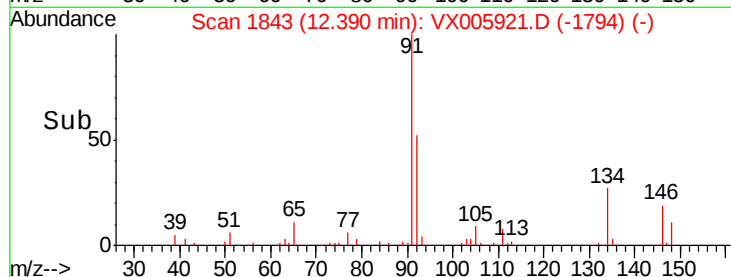
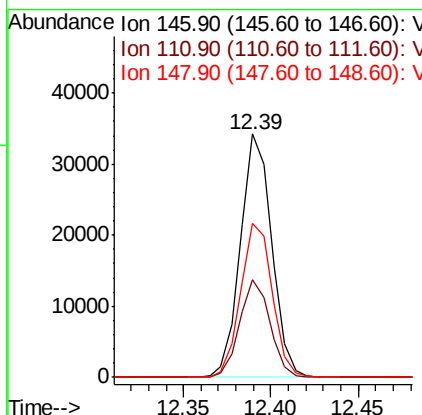
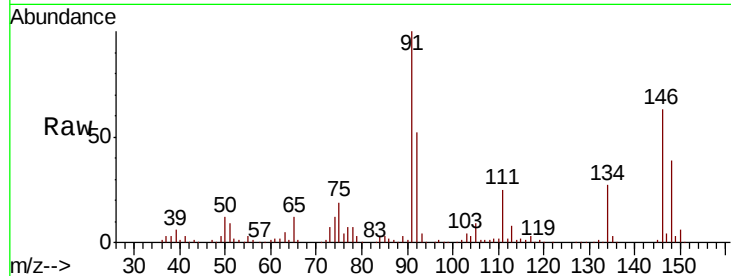
#91
 1,2-Dichlorobenzene
 Concen: 18.858 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005921.D
 Acq: 13 Nov 2018 01:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	59.9
148	64.3	32.2	96.6

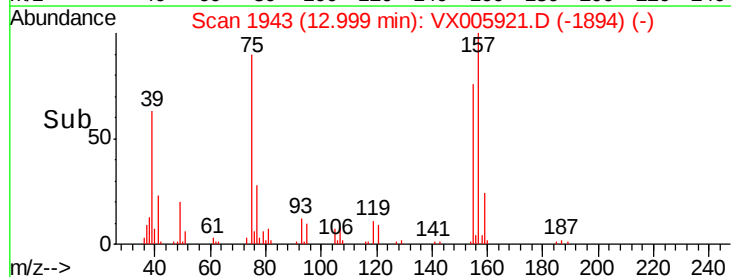
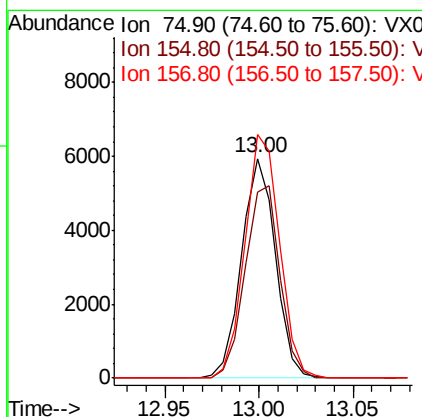
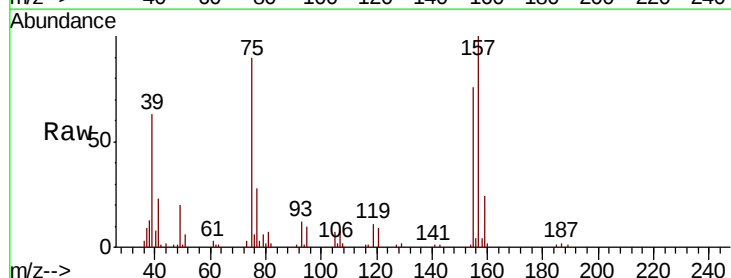
Manual Integrations
 APPROVED

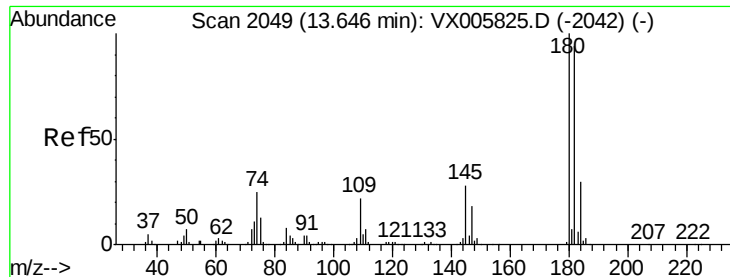
MMDadoda
 11/13/2018 12:19:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.871 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005921.D
 Acq: 13 Nov 2018 01:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	45.4	136.1
157	113.7	57.4	172.0





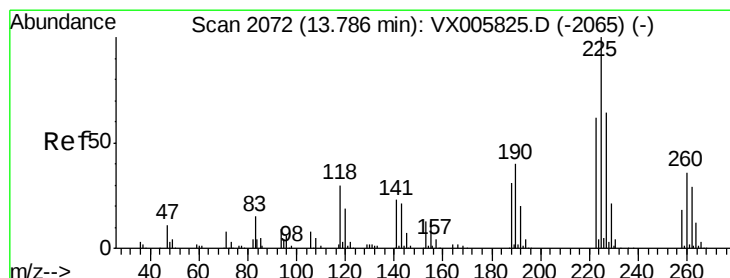
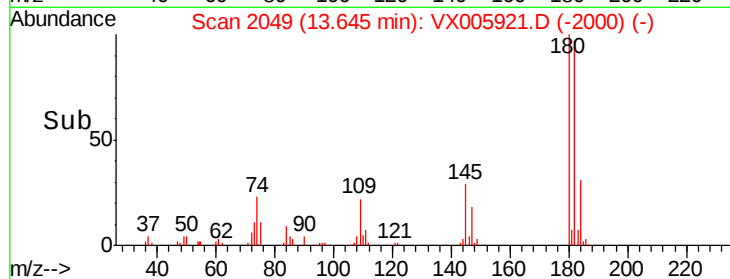
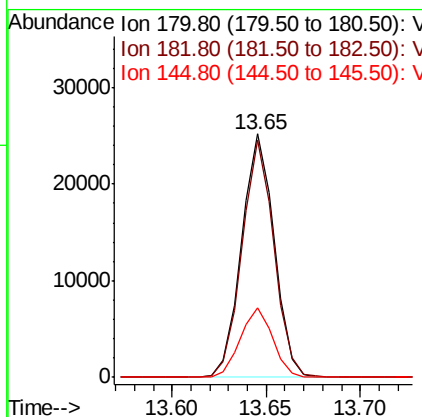
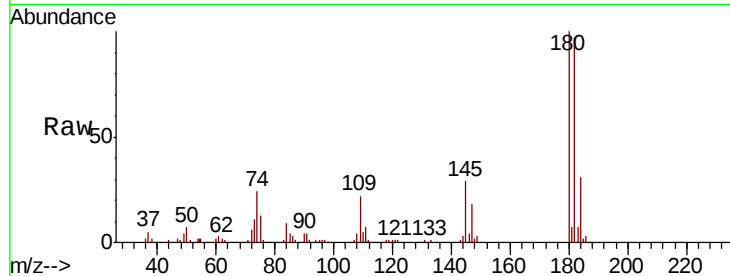
#93
 1,2,4-Trichlorobenzene
 Concen: 19.021 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005921.D
 Acq: 13 Nov 2018 01:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.6	142.8
145	28.4	14.1	42.2

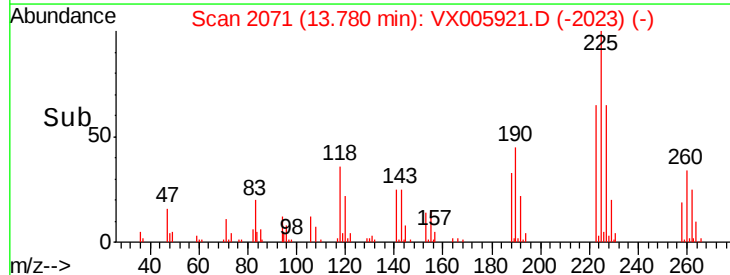
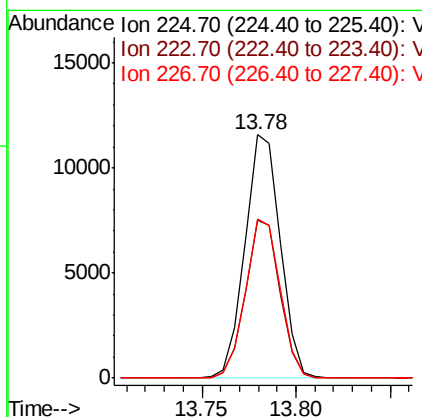
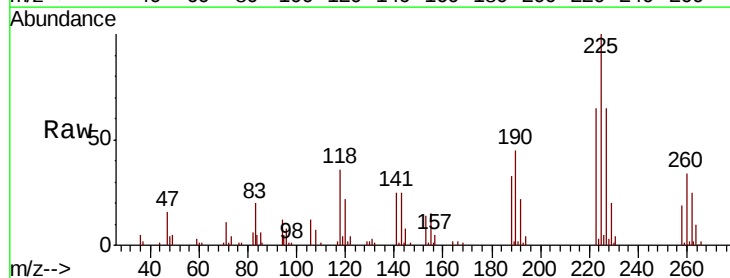
Manual Integrations
 APPROVED

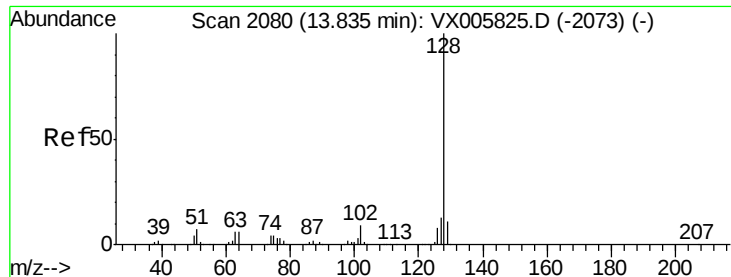
MMDadoda
 11/13/2018 12:19:31 PM



#94
 Hexachlorobutadiene
 Concen: 18.078 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005921.D
 Acq: 13 Nov 2018 01:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.7	95.1
227	64.2	32.3	96.9





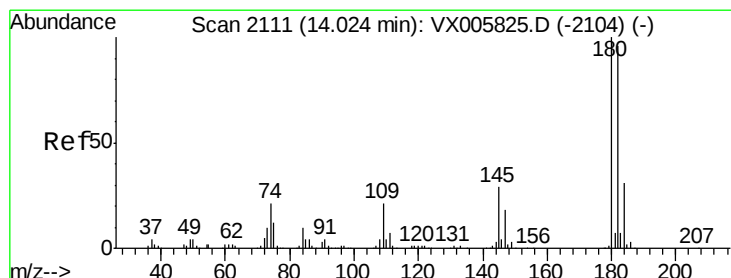
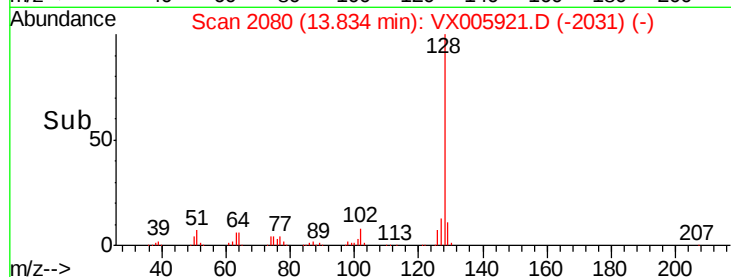
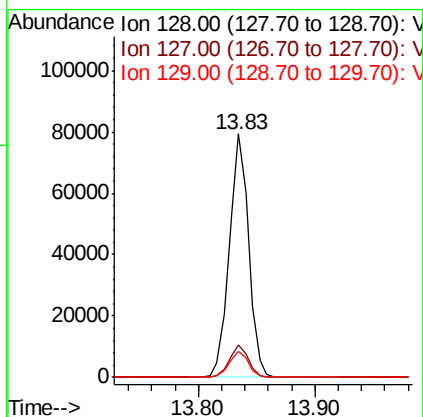
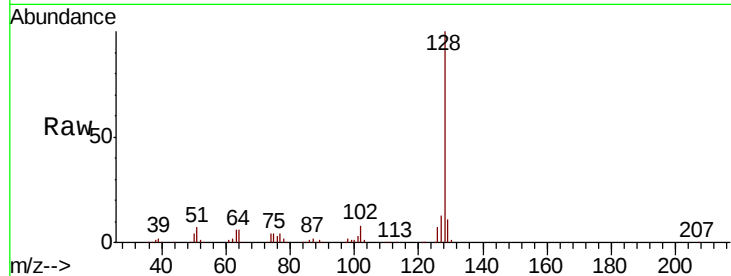
#95
Naphthalene
Concen: 18.473 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:19:31 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.645 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005921.D
Acq: 13 Nov 2018 01:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.0	144.2
145	30.3	15.1	45.3

