

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050218\
 Data File : VX001333.D
 Acq On : 02 May 2018 23:24
 Operator : JC/MD
 Sample : VX0502WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/3/2018 12:21:21 PM

Quant Time: May 03 06:38:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	162992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	219264	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	208230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	137182	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	109252	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	5.51	113	93068	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	8.72	98	342196	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	11.14	95	124420	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	37982	21.07	ug/l	98
3) Chloromethane	1.32	50	35683	20.16	ug/l	98
4) Vinyl Chloride	1.40	62	39341	21.11	ug/l	97
5) Bromomethane	1.64	94	31765	21.97	ug/l	98
6) Chloroethane	1.72	64	25946	22.03	ug/l	99
7) Trichlorofluoromethane	1.93	101	70480	22.41	ug/l	98
8) Diethyl Ether	2.19	74	24293	22.50	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	38855	21.43	ug/l	98
10) Methyl Iodide	2.51	142	50465	27.65	ug/l	100
11) Tert butyl alcohol	3.09	59	53874	138.79	ug/l	98
12) 1,1-Dichloroethene	2.37	96	34938	21.37	ug/l	96
13) Acrolein	2.30	56	17902	80.10	ug/l	96
14) Allyl chloride	2.73	41	61491	21.50	ug/l	98
15) Acrylonitrile	3.15	53	111145	123.54	ug/l	99
16) Acetone	2.45	43	109134	113.32	ug/l	98
17) Carbon Disulfide	2.57	76	79797	18.73	ug/l	100
18) Methyl Acetate	2.78	43	61832	27.18	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	126637	22.74	ug/l	100
20) Methylene Chloride	2.86	84	40113	22.20	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	37249	20.93	ug/l	96
22) Diisopropyl ether	3.88	45	125333	22.75	ug/l	96
23) Vinyl Acetate	3.84	43	532450	114.05	ug/l	100
24) 1,1-Dichloroethane	3.70	63	70025	22.82	ug/l	100
25) 2-Butanone	4.73	43	147766	113.47	ug/l	98
26) 2,2-Dichloropropane	4.59	77	30702	12.29	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	39413	20.15	ug/l	97
28) Bromochloromethane	5.03	49	32475	23.54	ug/l	98
29) Tetrahydrofuran	5.18	42	93971	117.34	ug/l	98
30) Chloroform	5.23	83	66748	20.58	ug/l	99
31) Cyclohexane	5.58	56	51882	18.72	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	56982	20.10	ug/l	99
36) 1,1-Dichloropropene	5.81	75	45420	17.95	ug/l	98
37) Ethyl Acetate	4.88	43	55008	21.53	ug/l	98
38) Carbon Tetrachloride	5.79	117	51609	19.47	ug/l	97

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050218\
 Data File : VX001333.D
 Acq On : 02 May 2018 23:24
 Operator : JC/MD
 Sample : VX0502WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0502WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/3/2018 12:21:21 PM

Quant Time: May 03 06:38:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	52083	17.40	ug/l	97
40) Benzene	6.15	78	146221	20.09	ug/l	99
41) Methacrylonitrile	5.07	41	31336	21.06	ug/l	99
42) 1,2-Dichloroethane	6.21	62	54943	19.49	ug/l	99
43) Isopropyl Acetate	6.48	43	85818	20.74	ug/l	99
44) Trichloroethene	7.22	130	44194	19.83	ug/l	93
45) 1,2-Dichloropropane	7.53	63	37486	20.05	ug/l	97
46) Dibromomethane	7.67	93	26704	20.38	ug/l	99
47) Bromodichloromethane	7.91	83	46401	19.80	ug/l	97
48) Methyl methacrylate	7.79	41	45321	20.61	ug/l	99
49) 1,4-Dioxane	7.77	88	20746	499.89	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	301953	113.22	ug/l	100
52) Toluene	8.79	92	93713	19.69	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	49572	17.79	ug/l	95
54) cis-1,3-Dichloropropene	9.05	75	44831	17.49	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	40281	20.96	ug/l	97
56) Ethyl methacrylate	9.19	69	54859	20.60	ug/l	98
57) 1,3-Dichloropropane	9.38	76	62874	20.33	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	135322	105.31	ug/l	99
59) 2-Hexanone	9.51	43	232058	111.32	ug/l	100
60) Dibromochloromethane	9.59	129	39461	19.68	ug/l	100
61) 1,2-Dibromoethane	9.68	107	41306	20.27	ug/l	98
64) Tetrachloroethene	9.34	164	58057	23.53	ug/l	99
65) Chlorobenzene	10.15	112	109421	19.32	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	40393	20.55	ug/l	98
67) Ethyl Benzene	10.26	91	176656	18.93	ug/l	96
68) m/p-Xylenes	10.37	106	142069	38.69	ug/l	100
69) o-Xylene	10.71	106	69647	19.56	ug/l	97
70) Styrene	10.72	104	111722	19.18	ug/l	99
71) Bromoform	10.87	173	31445	19.18	ug/l #	99
73) Isopropylbenzene	11.02	105	186032	20.27	ug/l	99
74) N-amyl acetate	6.48	43	85818	21.80	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	57341	20.85	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	54243m	21.38	ug/l	
77) Bromobenzene	11.26	156	54566	20.61	ug/l	97
78) n-propylbenzene	11.37	91	201322	19.74	ug/l	99
79) 2-Chlorotoluene	11.43	91	123884	20.13	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	156458	20.30	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	10919	17.09	ug/l	92
82) 4-Chlorotoluene	11.52	91	145188	19.61	ug/l	99
83) tert-Butylbenzene	11.77	119	148202	19.28	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	161985	20.51	ug/l	99
85) sec-Butylbenzene	11.95	105	185223	20.14	ug/l	99
86) p-Isopropyltoluene	12.07	119	166939	19.79	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	96467	19.52	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	97409	19.12	ug/l	100
89) n-Butylbenzene	12.40	91	134751	18.30	ug/l	99
90) Hexachloroethane	12.60	117	23188	18.98	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	99990	20.33	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	12639	22.75	ug/l	98

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050218\
Data File : VX001333.D
Acq On : 02 May 2018 23:24
Operator : JC/MD
Sample : VX0502WBS02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS02

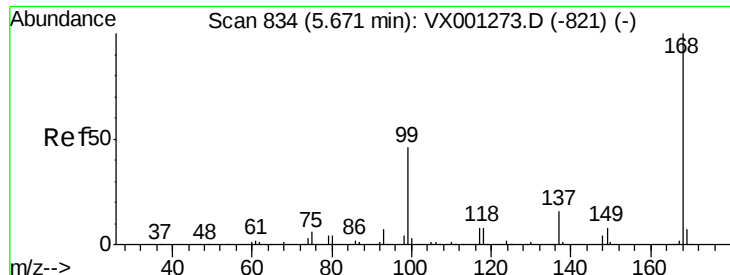
Manual Integrations
APPROVED

MMDadoda
5/3/2018 12:21:21 PM

Quant Time: May 03 06:38:34 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
Quant Title : SW846 8260
QLast Update : Wed May 02 01:48:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	70849	17.91	ug/l	100
94) Hexachlorobutadiene	13.79	225	38281	18.49	ug/l	99
95) Naphthalene	13.84	128	208618	20.78	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	75832	19.52	ug/l	99

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



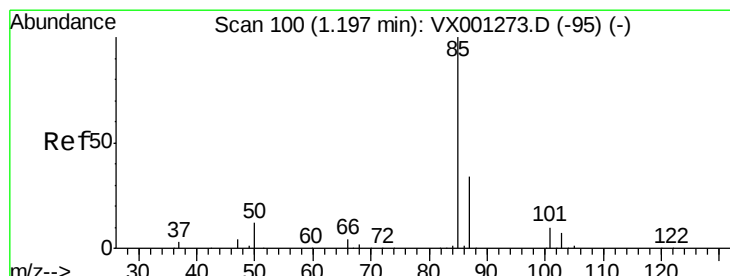
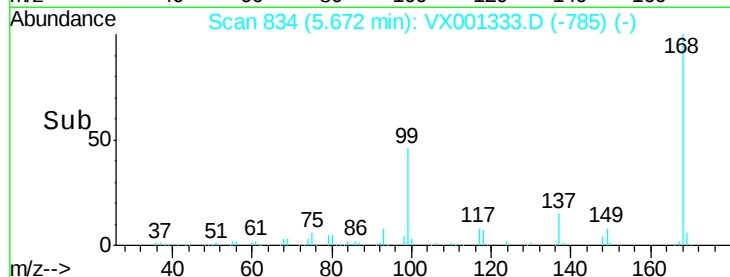
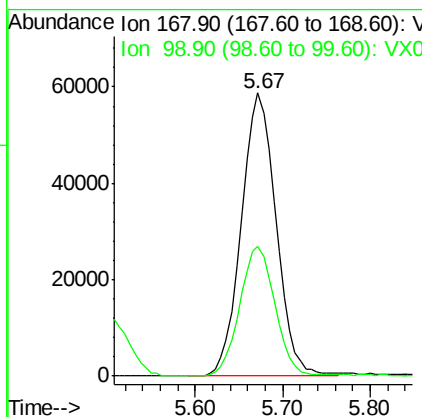
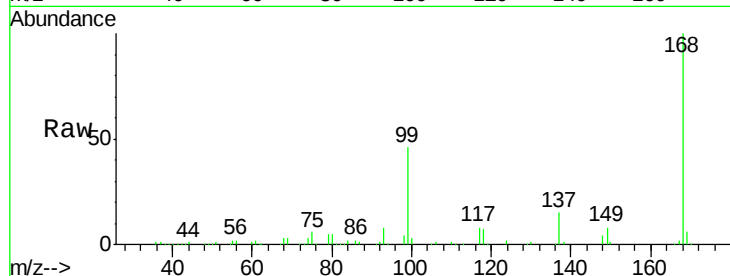
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.00 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
168	100		162992		
99	45.6		36.5	54.7	

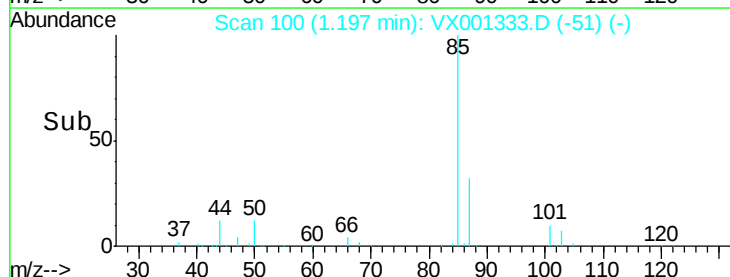
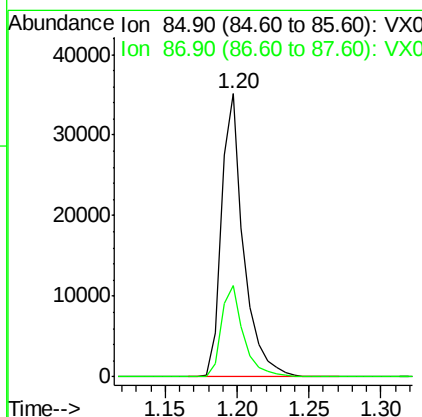
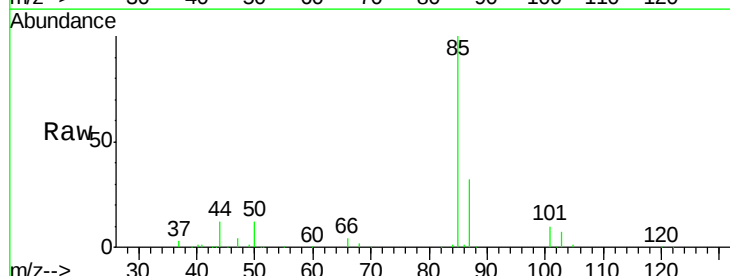
Manual Integrations
APPROVED

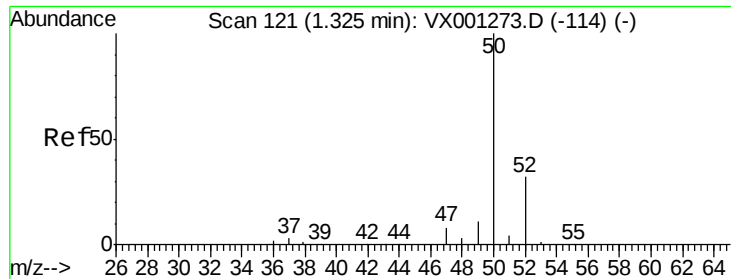
MMDadoda
5/3/2018 12:21:21 PM



#2
Dichlorodifluoromethane
Concen: 21.07 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		37982		
87	32.2		16.8	50.4	





#3

Chloromethane

Concen: 20.16 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS02

Tot Ion: 50 Resp: 35683

Ion Ratio Lower Upper

50 100

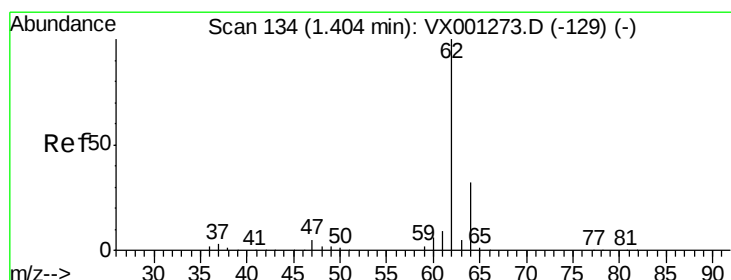
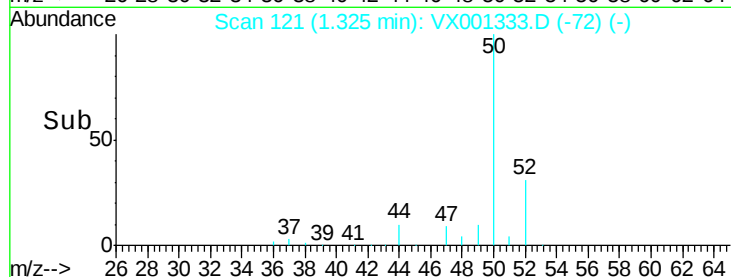
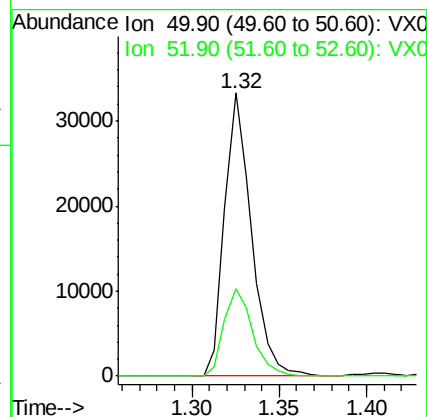
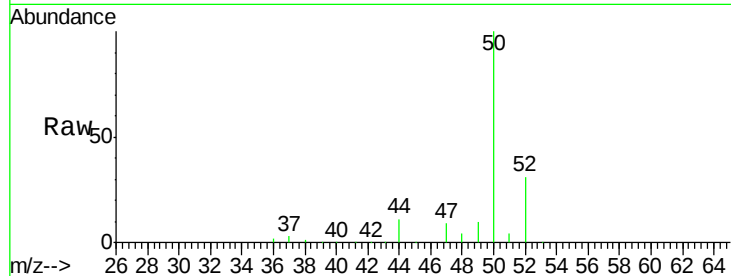
52 30.8 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

5/3/2018 12:21:21 PM



#4

Vinyl Chloride

Concen: 21.11 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001333.D

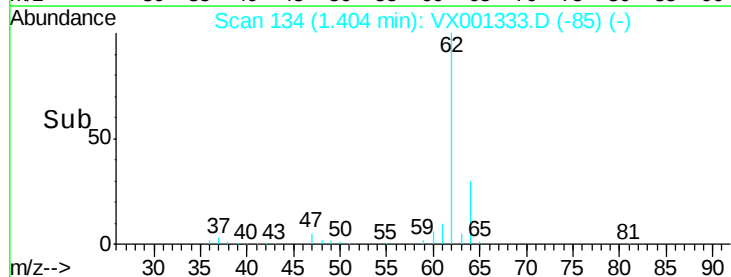
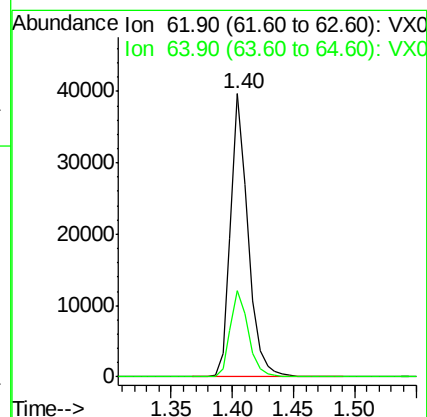
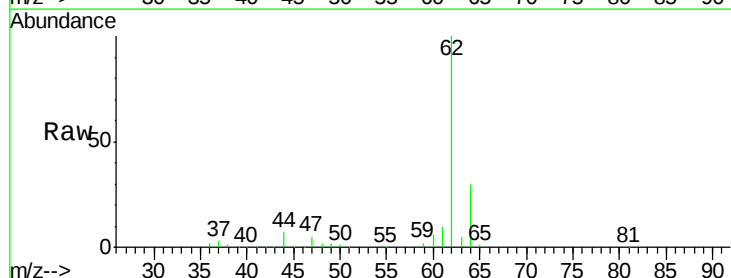
Acq: 02 May 2018 23:24

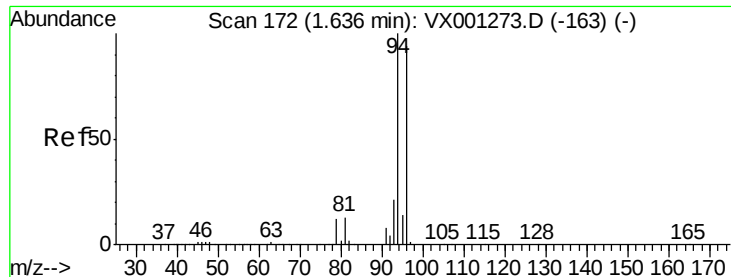
Tgt Ion: 62 Resp: 39341

Ion Ratio Lower Upper

62 100

64 30.3 25.4 38.2





#5

Bromomethane

Concen: 21.97 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS02

Tot Ion: 94 Resp: 31765

Ion Ratio Lower Upper

94 100

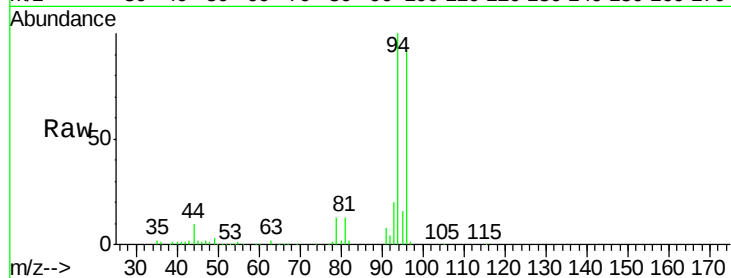
96 92.4 75.6 113.4

Manual Integrations

APPROVED

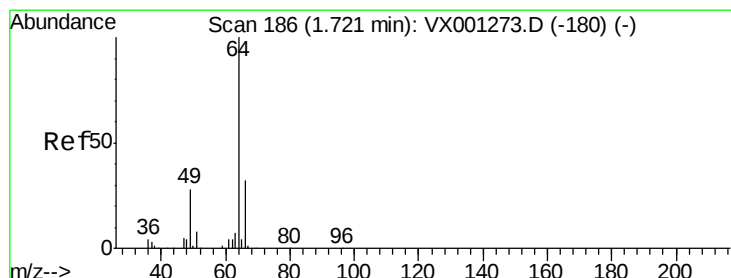
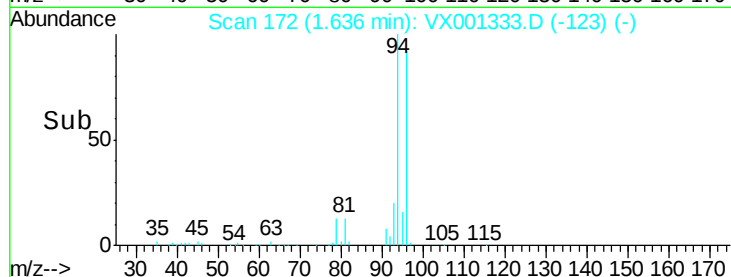
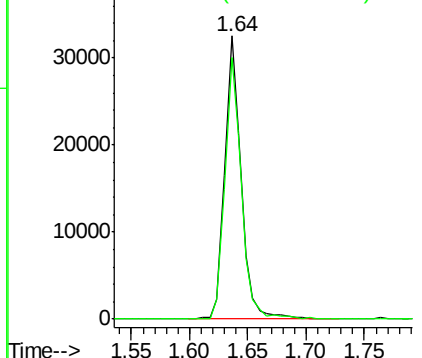
MMDadoda

5/3/2018 12:21:21 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 22.03 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001333.D

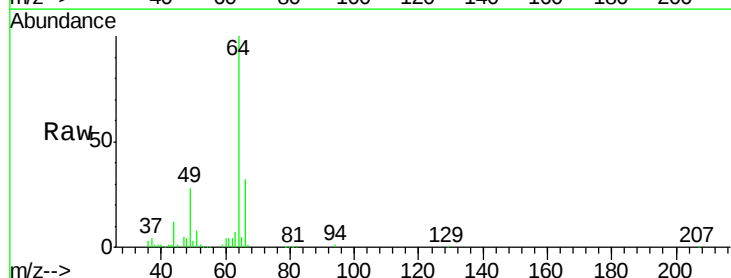
Acq: 02 May 2018 23:24

Tgt Ion: 64 Resp: 25946

Ion Ratio Lower Upper

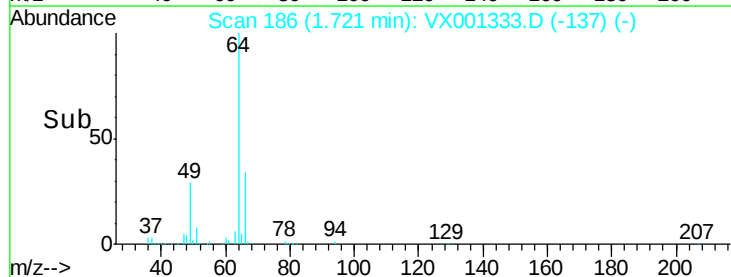
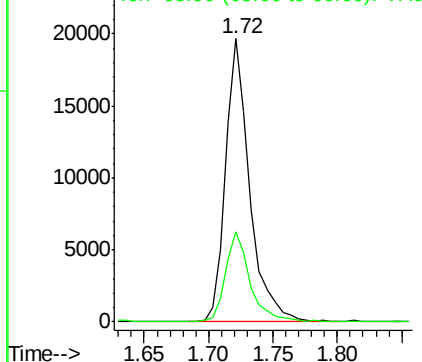
64 100

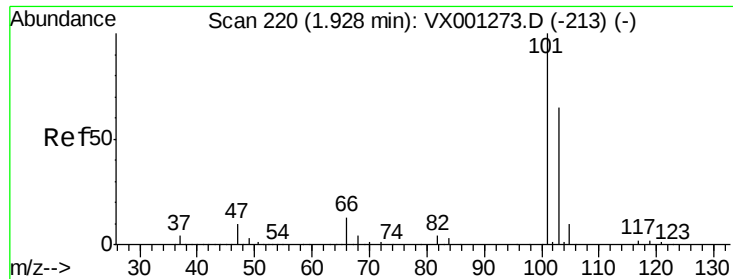
66 31.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

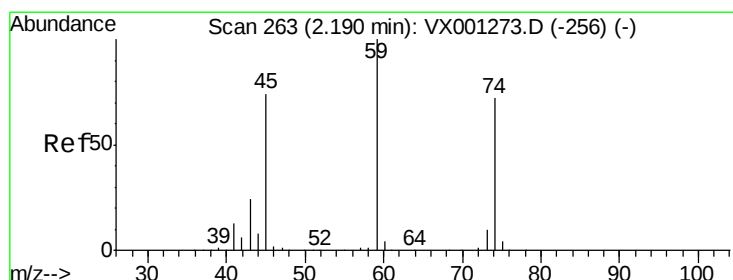
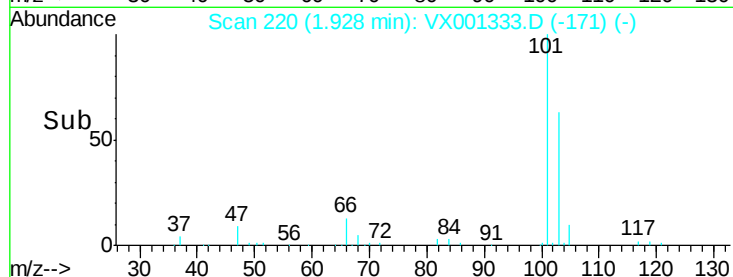
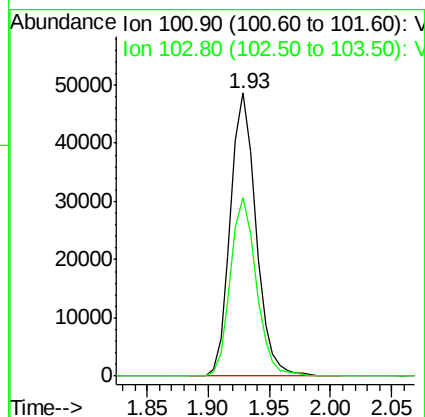
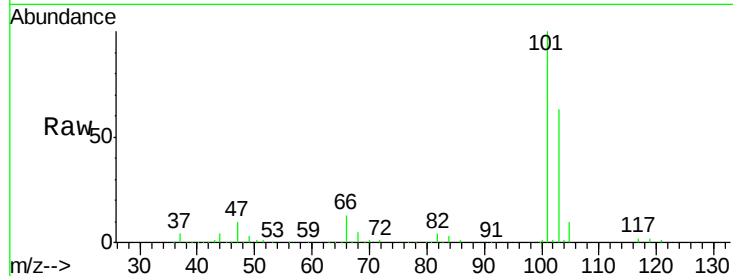
Trichlorofluoromethane
Concen: 22.41 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS02

Tot Ion:101 Resp: 70480
Ion Ratio Lower Upper
101 100
103 63.0 51.8 77.8

Manual Integrations
APPROVED

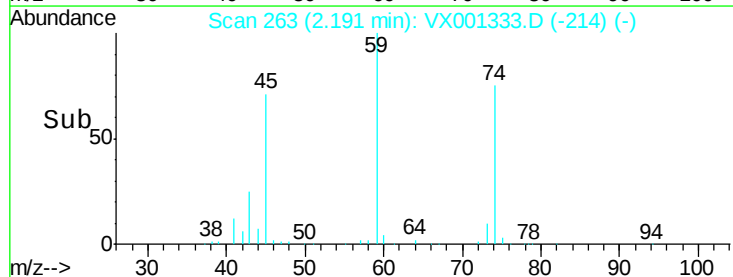
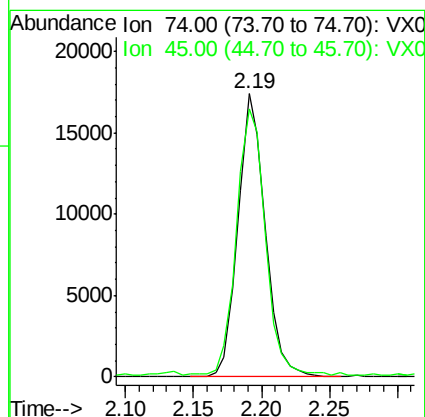
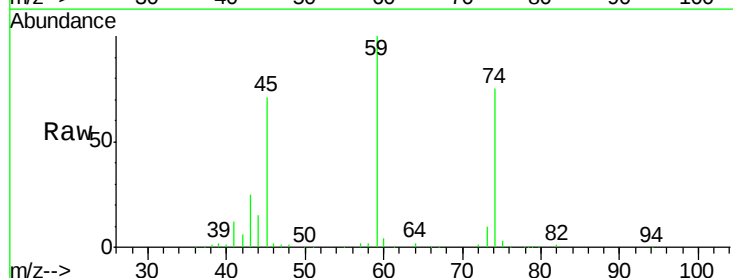
MMDadoda
5/3/2018 12:21:21 PM

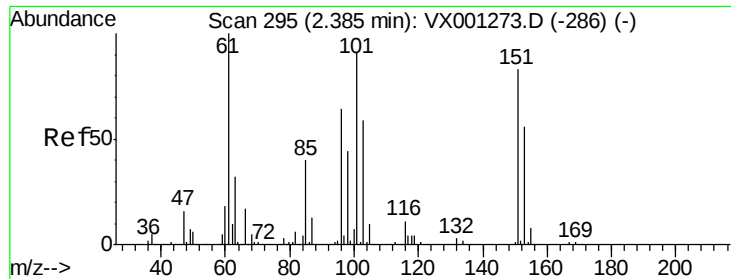


#8

Diethyl Ether
Concen: 22.50 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Tgt Ion: 74 Resp: 24293
Ion Ratio Lower Upper
74 100
45 98.7 49.3 147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.43 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

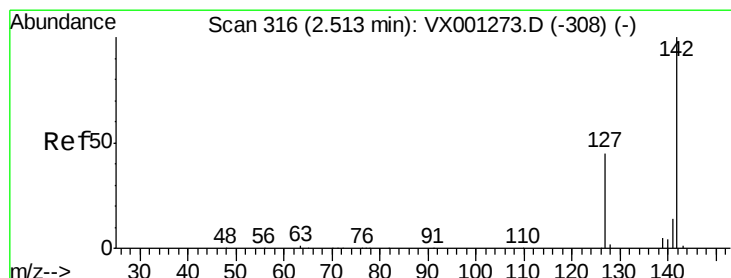
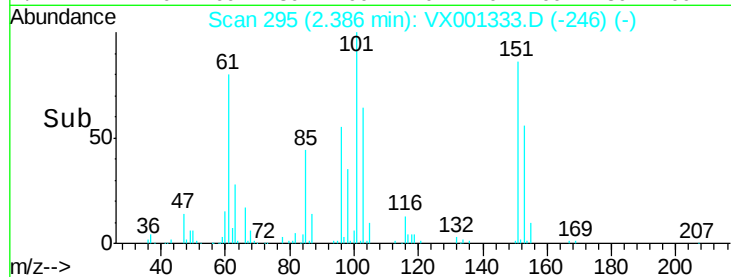
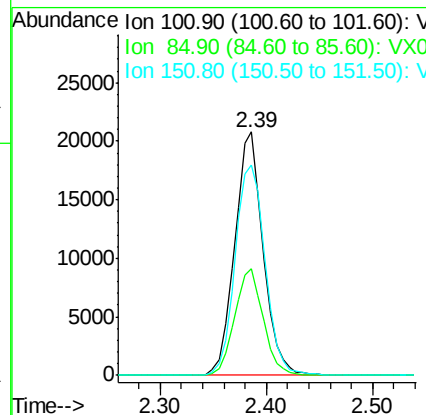
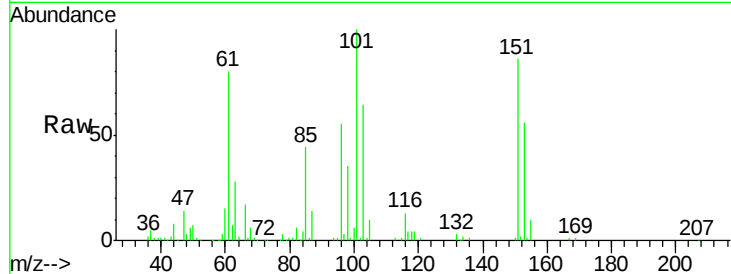
ClientSampleId :

VX0502WBS02

Tot Ion:	101	Resp:	38855
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.6	53.4
151	91.6	74.8	112.2

Manual Integrations
APPROVED

MMDadoda
5/3/2018 12:21:21 PM



#10

Methyl Iodide

Concen: 27.65 ug/l

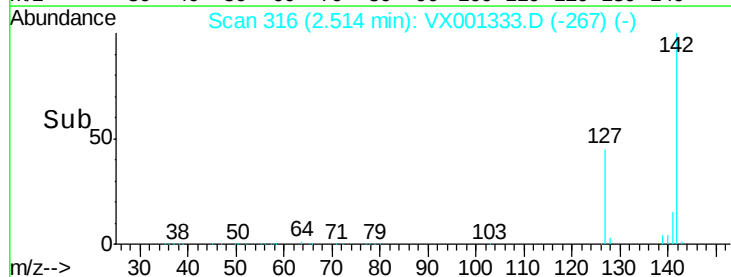
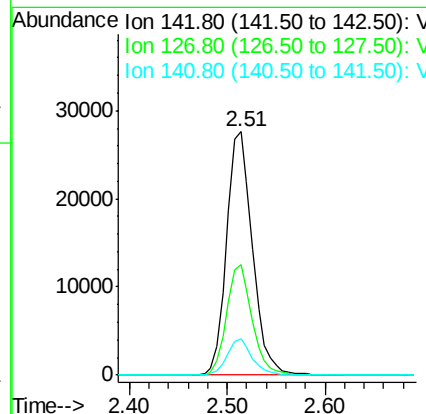
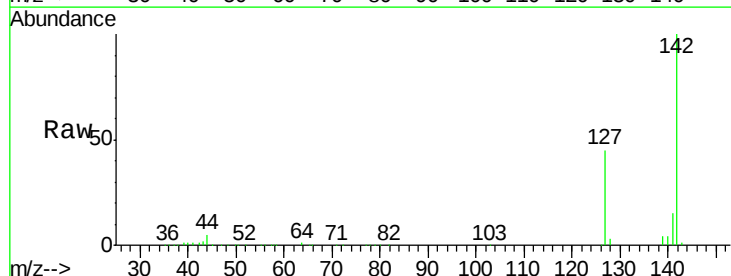
RT: 2.51 min Scan# 316

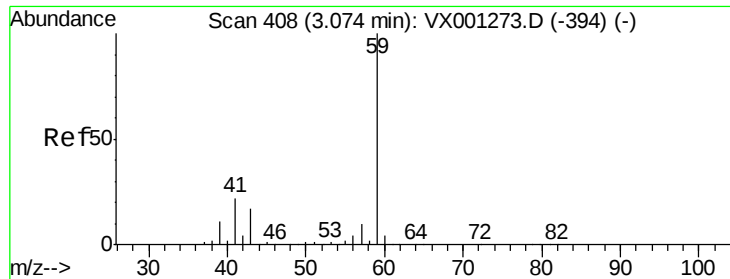
Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Tgt Ion:	142	Resp:	50465
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.7	53.5
141	14.5	11.4	17.0





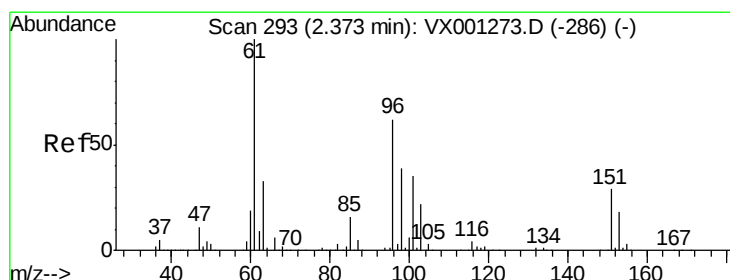
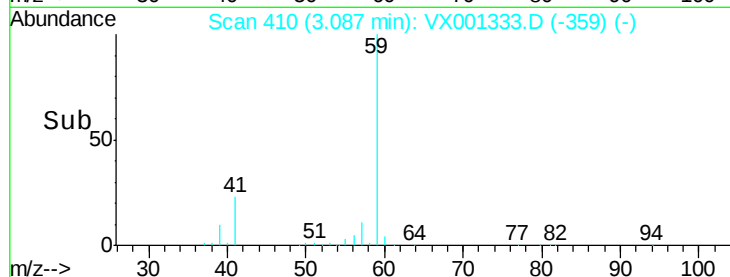
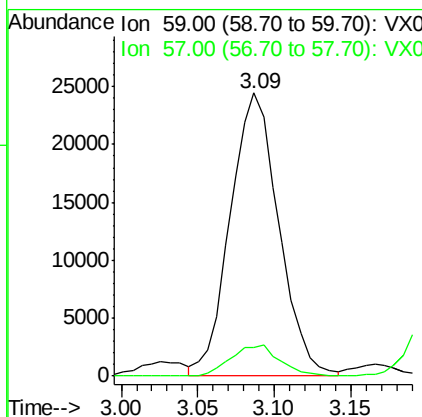
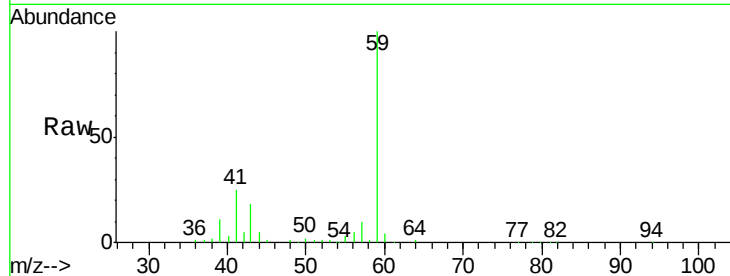
#11
Tert butyl alcohol
Concen: 138.79 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Instrument :
MSVOA_X
ClientSampled :
VX0502WBS02

Tot Ion: 59 Resp: 53874
Ion Ratio Lower Upper
59 100
57 11.3 8.6 12.8

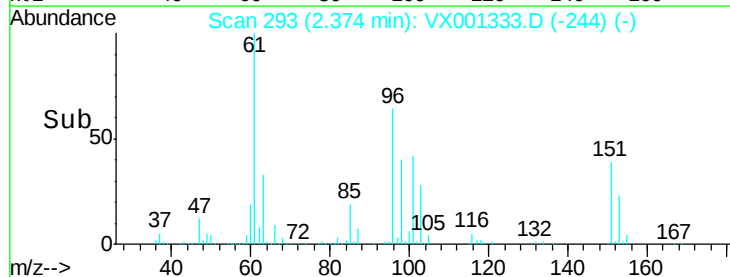
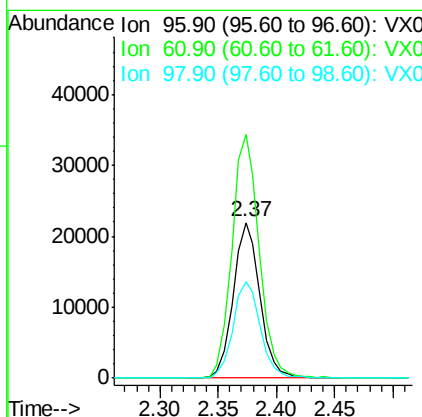
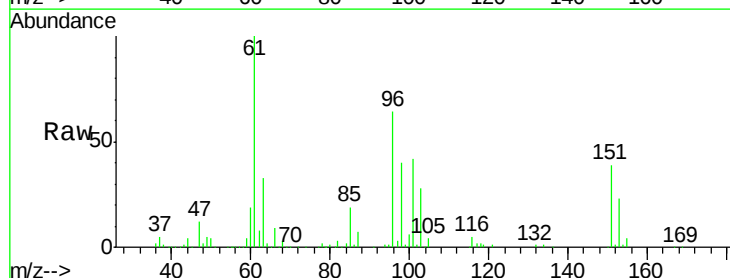
Manual Integrations
APPROVED

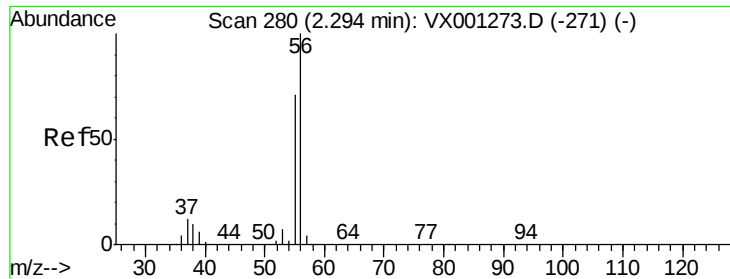
MMDadoda
5/3/2018 12:21:21 PM



#12
1,1-Dichloroethene
Concen: 21.37 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Tgt Ion: 96 Resp: 34938
Ion Ratio Lower Upper
96 100
61 156.3 130.1 195.1
98 62.2 50.3 75.5





#13

Acrolein

Concen: 80.10 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

ClientSampled :

VX0502WBS02

Tot Ion: 56 Resp: 17902

Ion Ratio Lower Upper

56 100

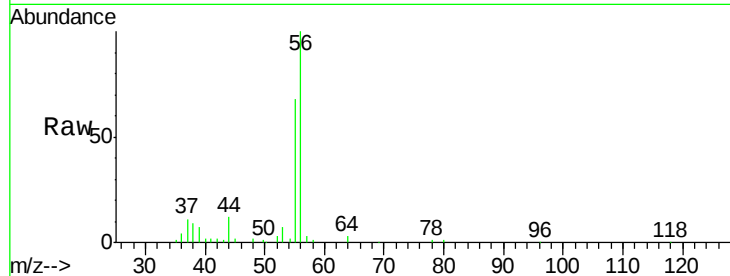
55 68.2 57.2 85.8

Manual Integrations

APPROVED

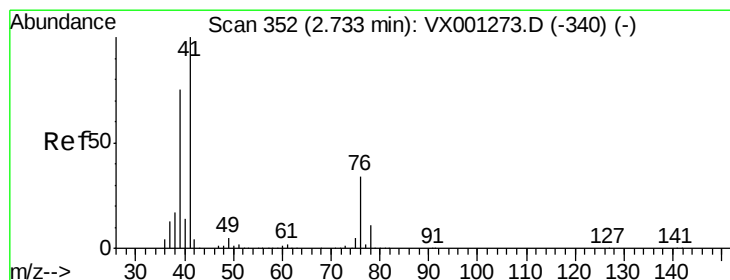
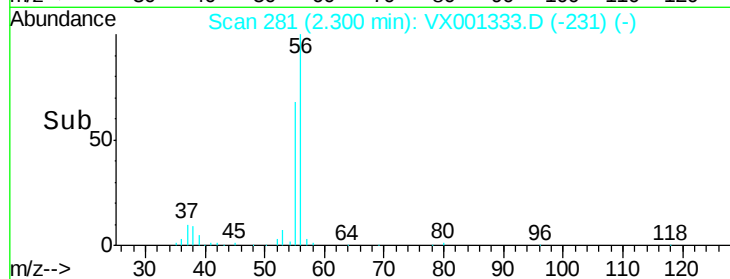
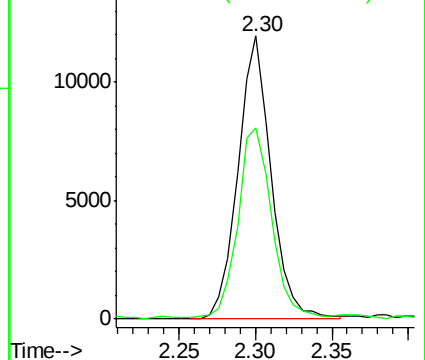
MMDadoda

5/3/2018 12:21:21 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 21.50 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

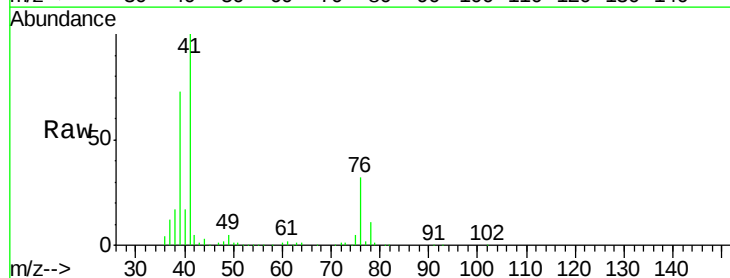
Tgt Ion: 41 Resp: 61491

Ion Ratio Lower Upper

41 100

39 70.9 58.1 87.1

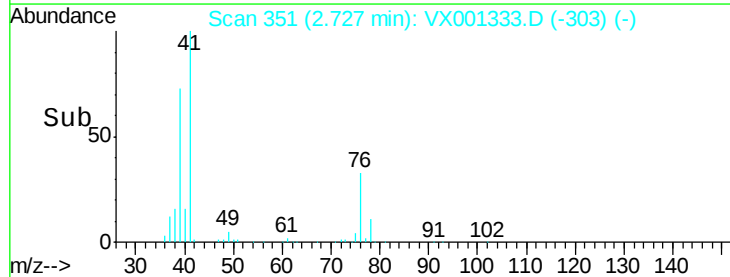
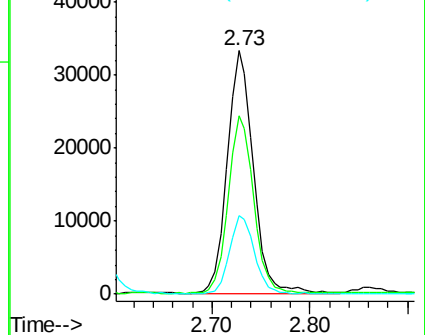
76 30.9 25.1 37.7

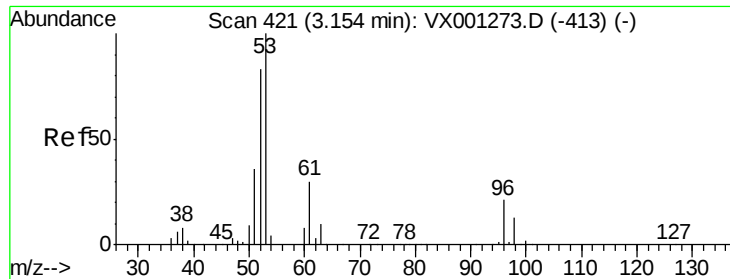


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 123.54 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

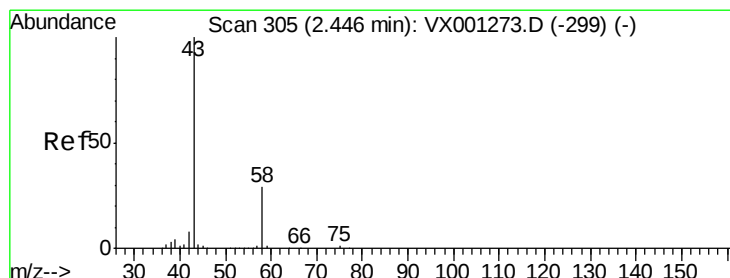
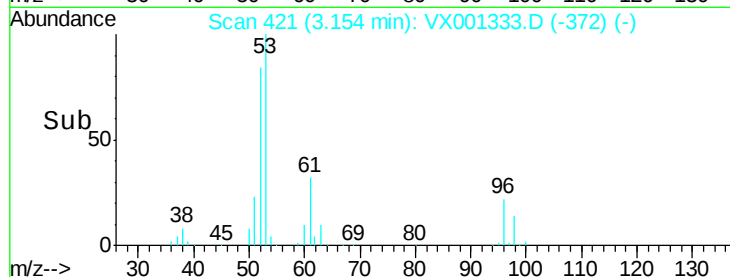
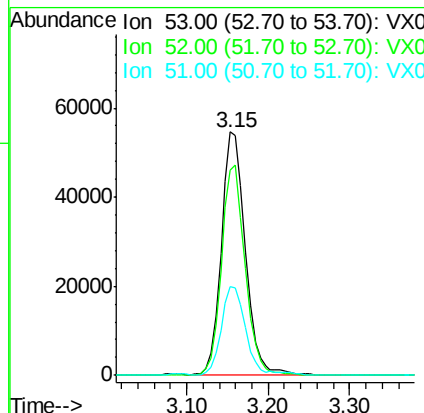
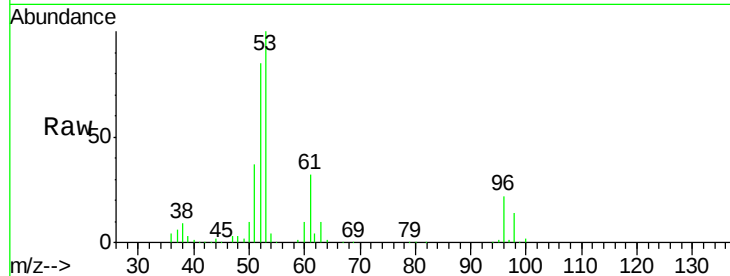
ClientSampleId :

VX0502WBS02

Tot Ion:	53	Resp:	111145
Ion Ratio	Lower	Upper	
53	100		
52	84.8	67.0	100.4
51	37.5	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
5/3/2018 12:21:21 PM



#16

Acetone

Concen: 113.32 ug/l

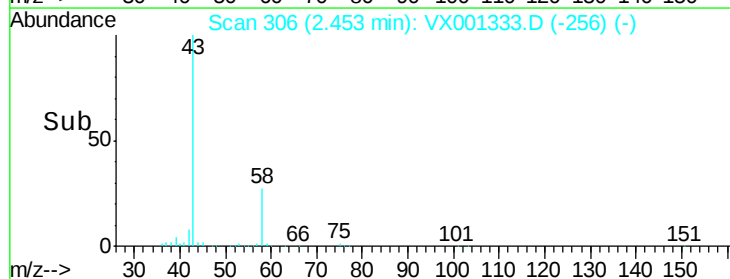
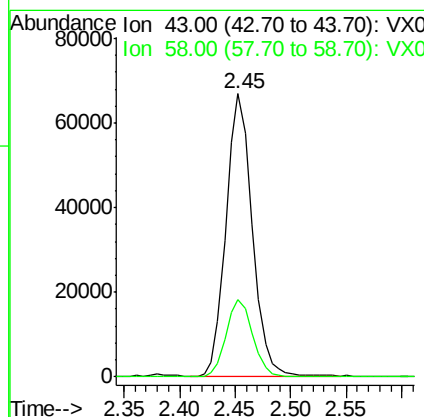
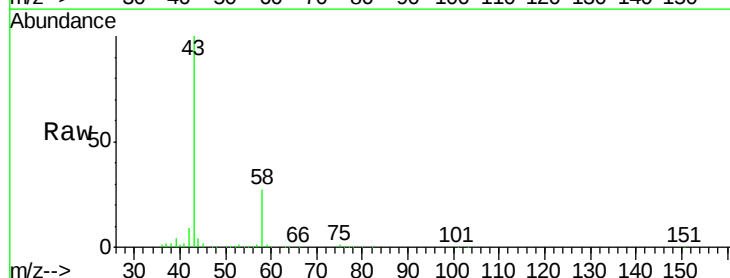
RT: 2.45 min Scan# 306

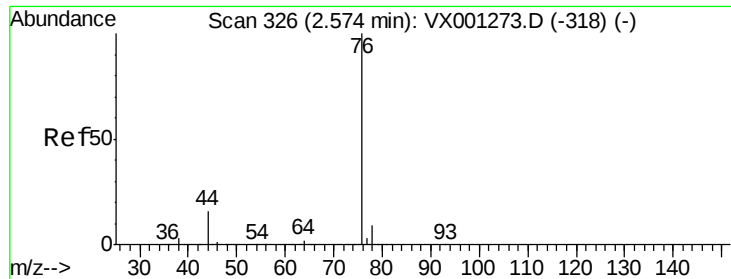
Delta R.T. 0.01 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Tgt Ion:	43	Resp:	109134
Ion Ratio	Lower	Upper	
43	100		
58	27.3	22.8	34.2





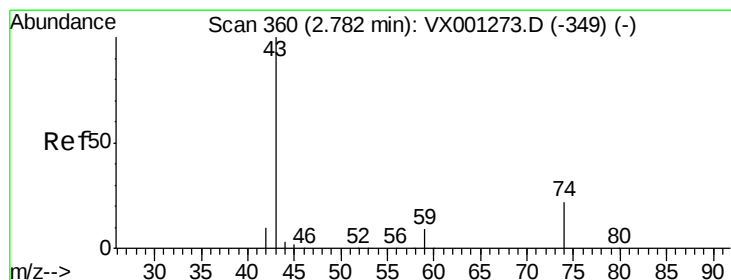
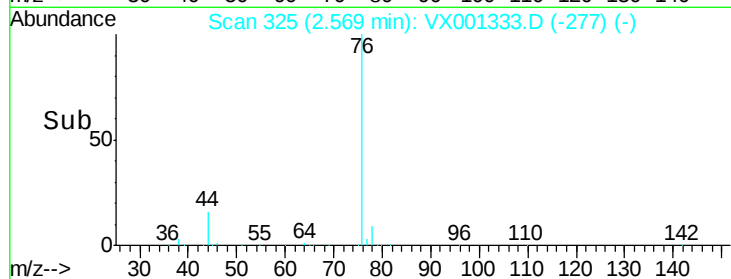
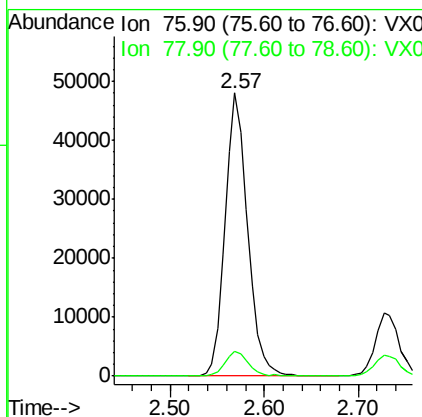
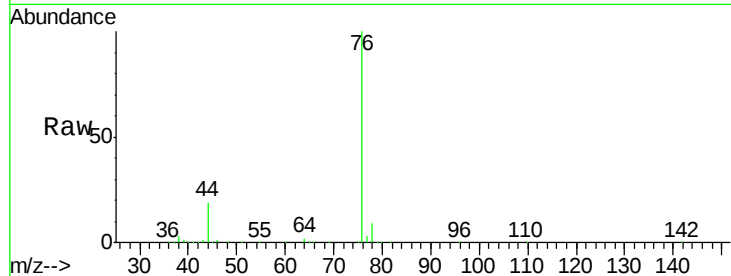
#17
Carbon Disulfide
Concen: 18.73 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Instrument :
MSVOA_X
ClientSampled :
VX0502WBS02

Tot Ion: 76 Resp: 79797
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4

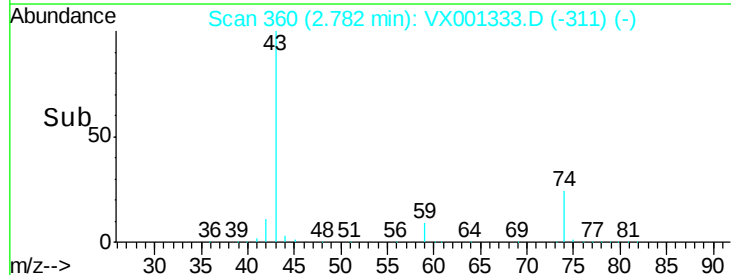
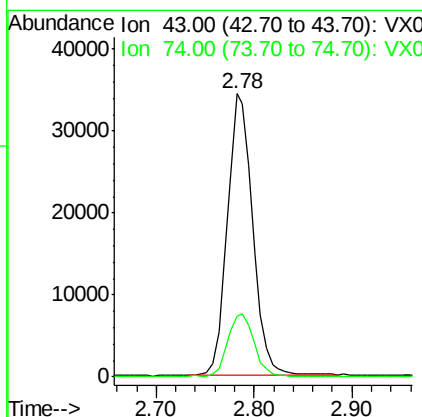
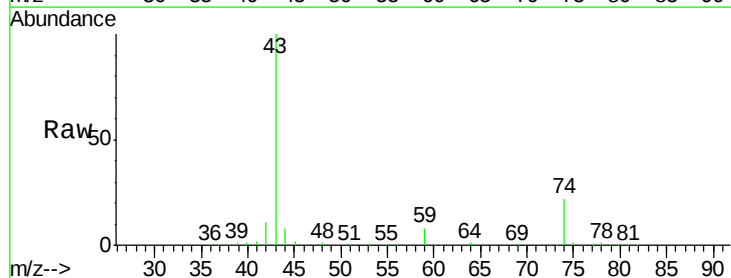
Manual Integrations
APPROVED

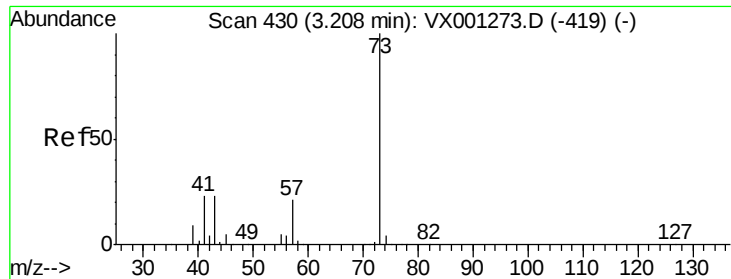
MMDadoda
5/3/2018 12:21:21 PM



#18
Methyl Acetate
Concen: 27.18 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Tgt Ion: 43 Resp: 61832
Ion Ratio Lower Upper
43 100
74 23.7 17.8 26.6





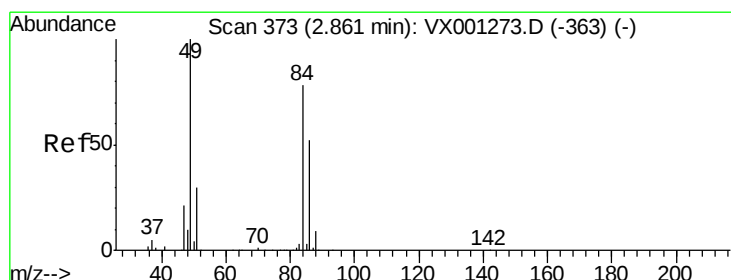
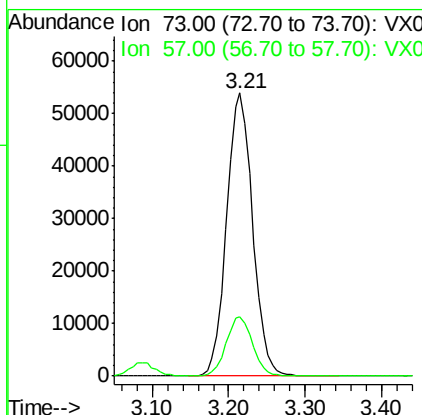
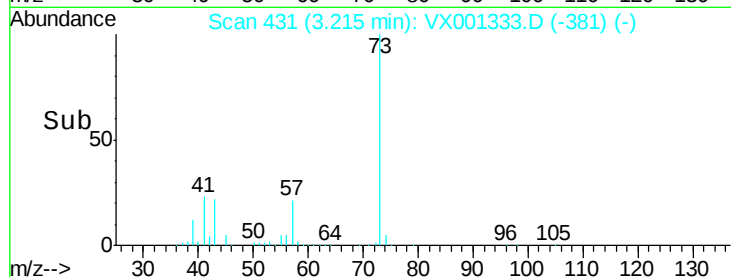
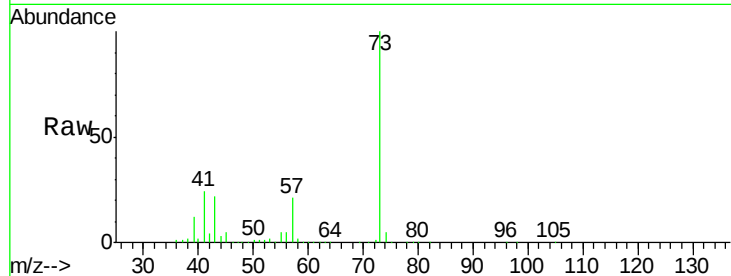
#19
Methyl tert-butyl Ether
Concen: 22.74 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	16.8	25.2

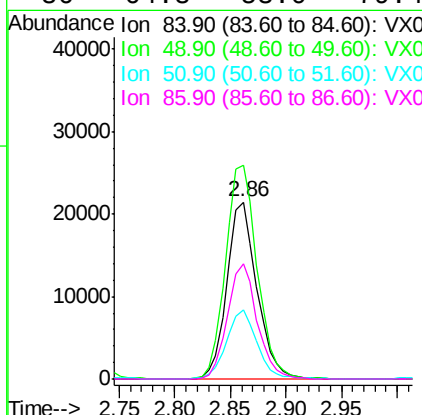
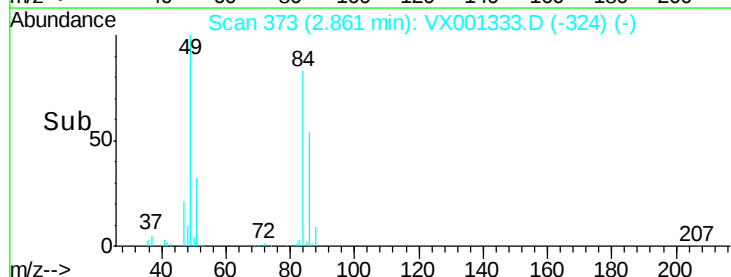
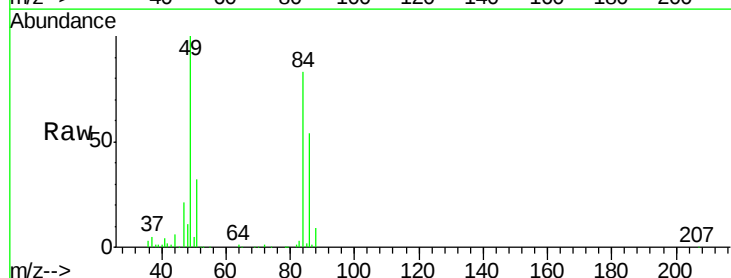
Manual Integrations
APPROVED

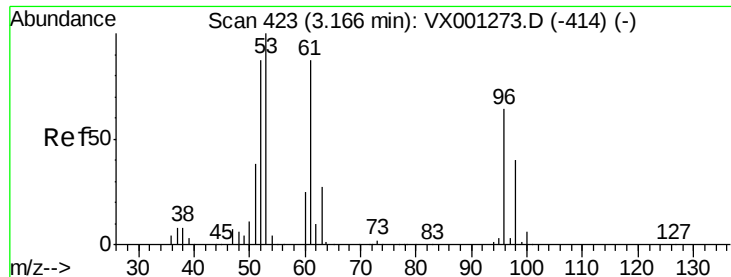
MMDadoda
5/3/2018 12:21:21 PM



#20
Methylene Chloride
Concen: 22.20 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.3	102.8	154.2
51	38.8	30.9	46.3
86	64.8	53.0	79.4





#21

trans-1,2-Dichloroethene

Concen: 20.93 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS02

Tot Ion: 96 Resp: 37249

Ion Ratio Lower Upper

96 100

61 141.1 108.6 162.8

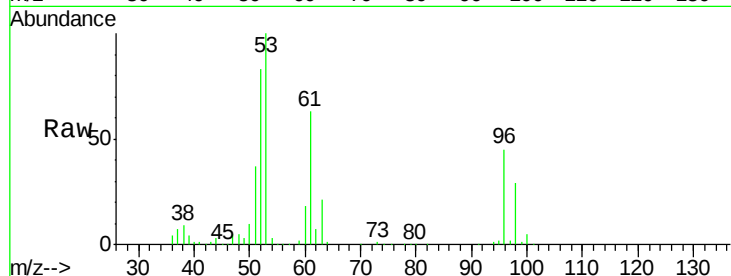
98 64.5 49.7 74.5

Manual Integrations

APPROVED

MMDadoda

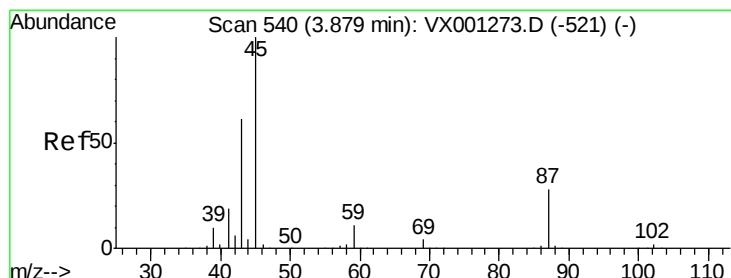
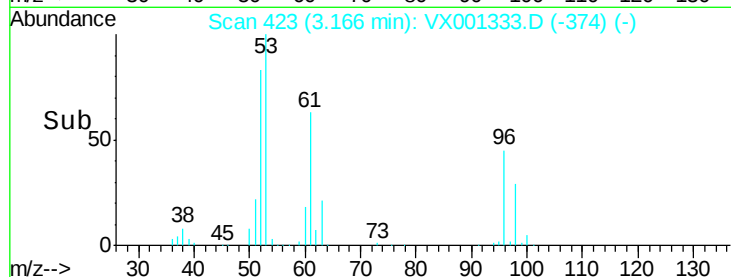
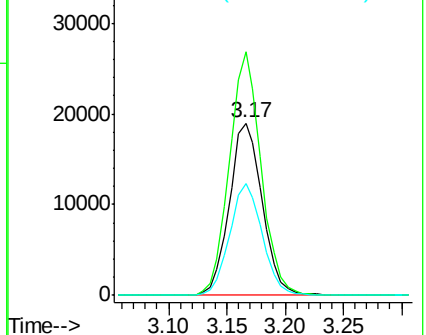
5/3/2018 12:21:21 PM



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: 22.75 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Tgt Ion: 45 Resp: 125333

Ion Ratio Lower Upper

45 100

43 65.5 48.7 73.1

87 27.5 22.2 33.4

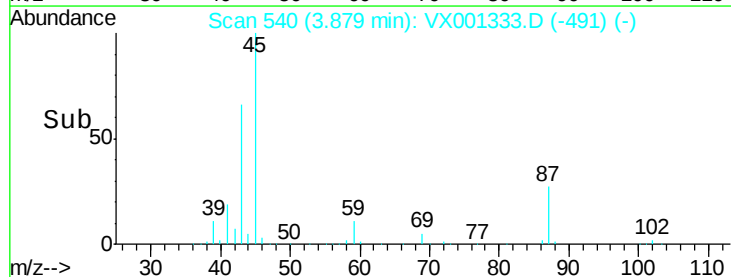
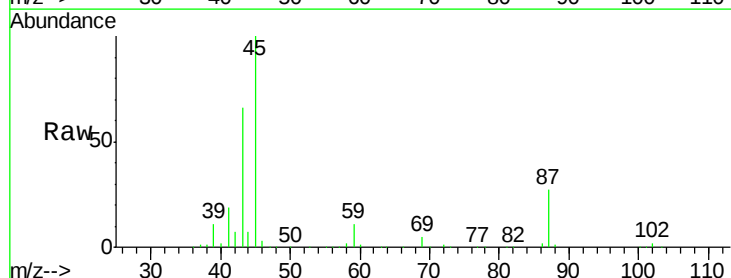
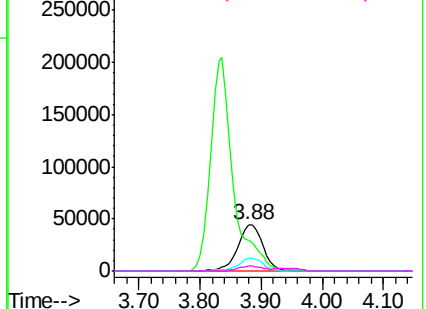
59 11.5 9.1 13.7

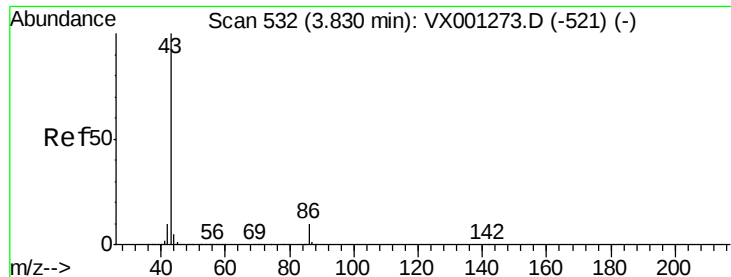
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 114.05 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.01 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS02

Tot Ion: 43 Resp: 532450

Ion Ratio Lower Upper

43 100

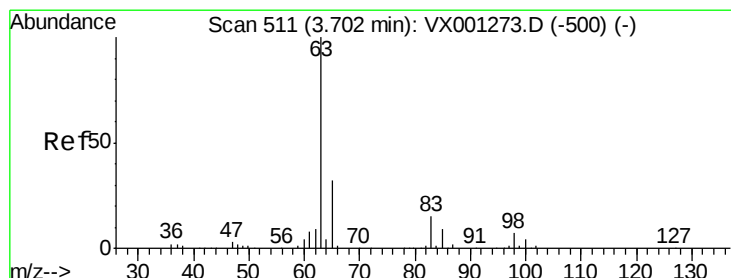
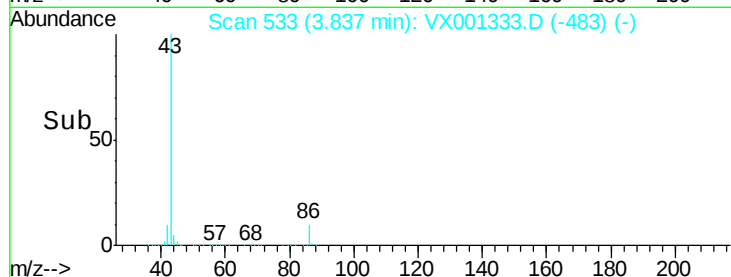
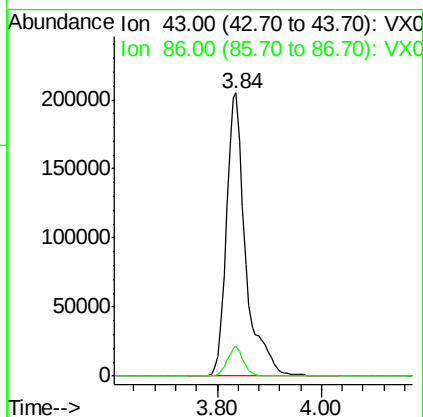
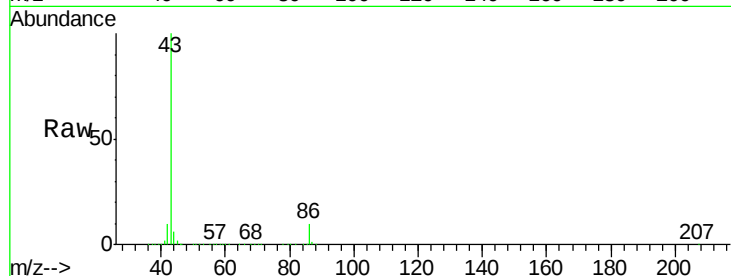
86 10.5 8.2 12.4

Manual Integrations

APPROVED

MMDadoda

5/3/2018 12:21:21 PM



#24

1,1-Dichloroethane

Concen: 22.82 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

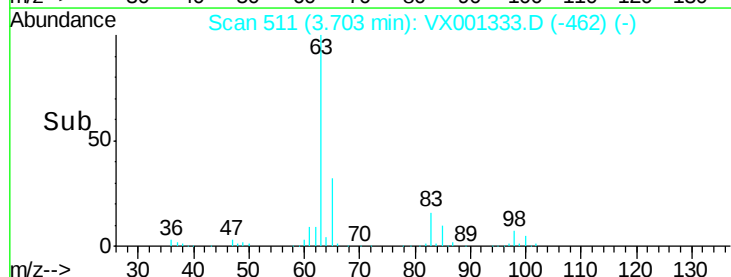
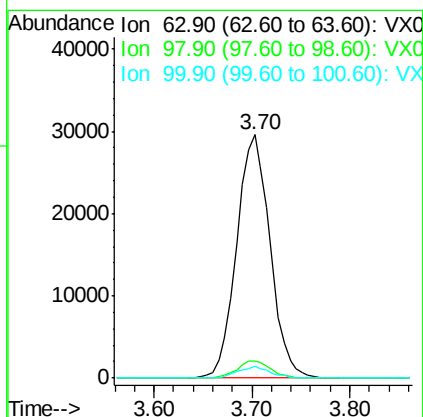
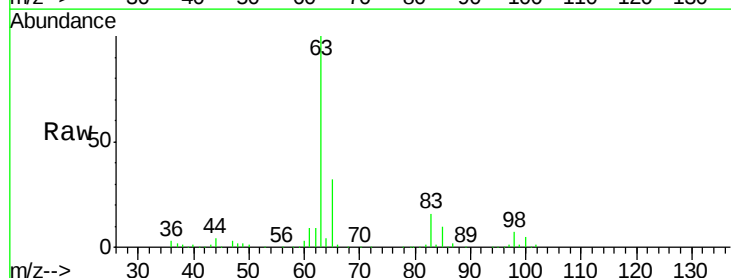
Tgt Ion: 63 Resp: 70025

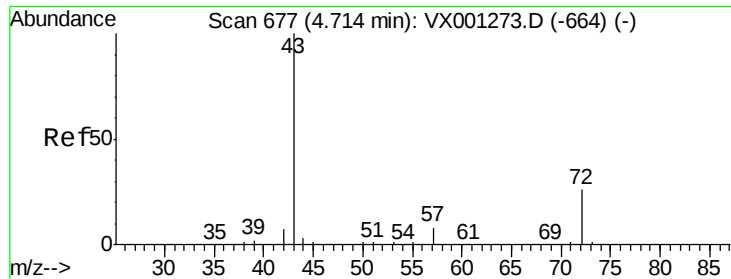
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 4.7 2.3 6.8





#25

2-Butanone

Concen: 113.47 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS02

Tot Ion: 43 Resp: 147766

Ion Ratio Lower Upper

43 100

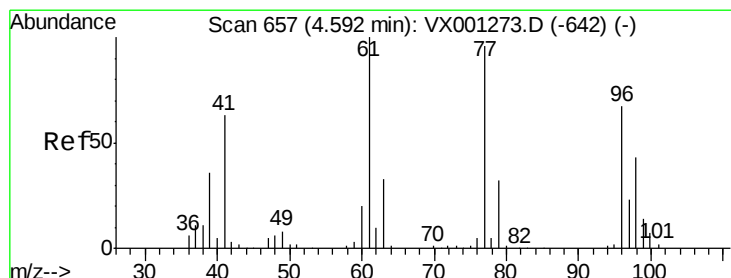
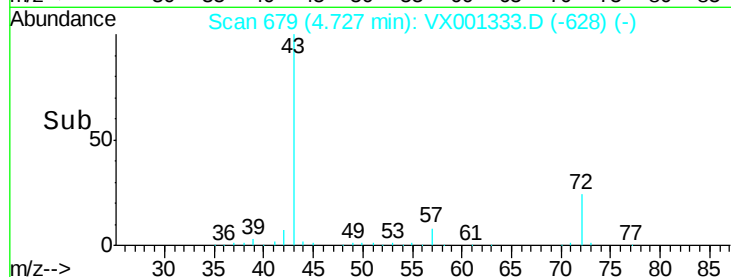
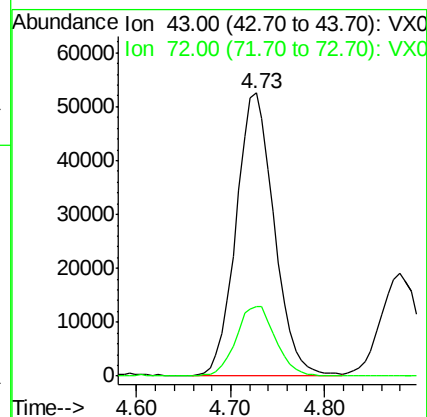
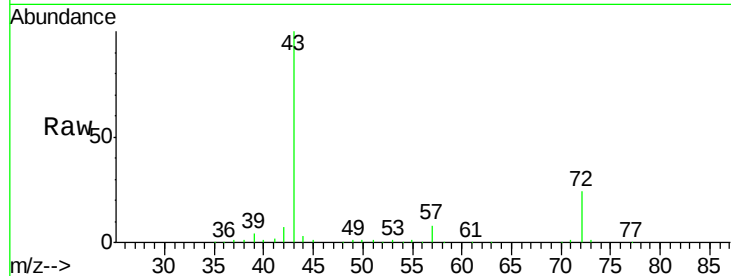
72 24.4 20.5 30.7

Manual Integrations

APPROVED

MMDadoda

5/3/2018 12:21:21 PM



#26

2,2-Dichloropropane

Concen: 12.29 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001333.D

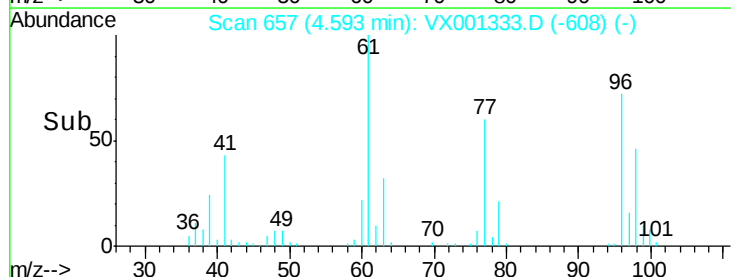
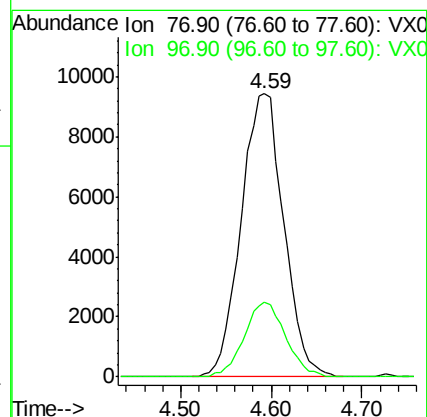
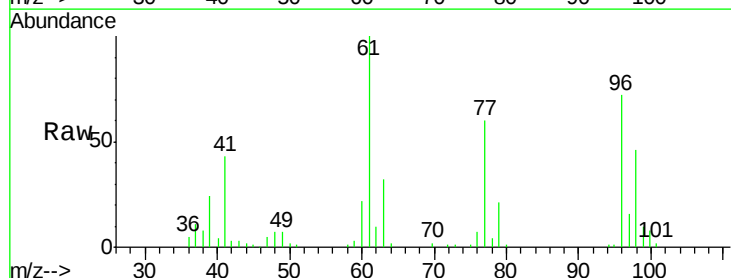
Acq: 02 May 2018 23:24

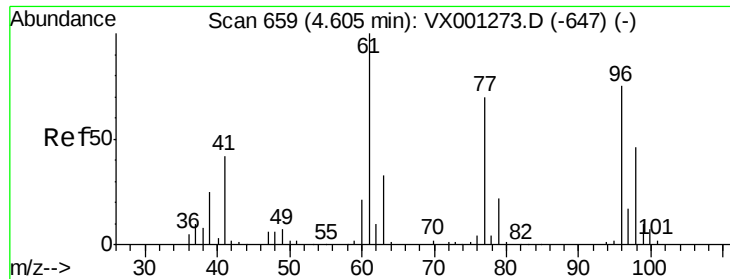
Tgt Ion: 77 Resp: 30702

Ion Ratio Lower Upper

77 100

97 25.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.15 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

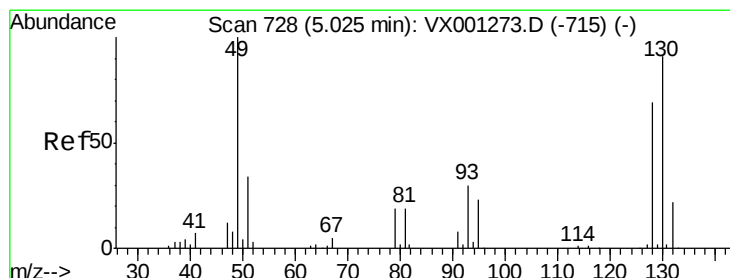
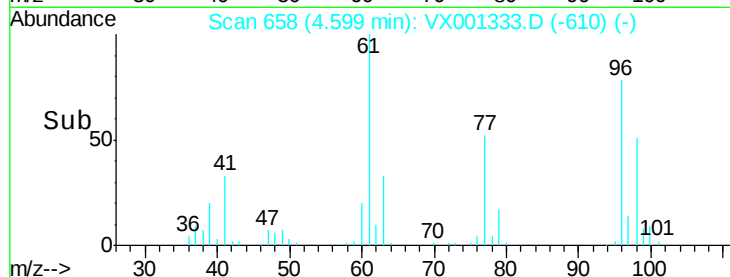
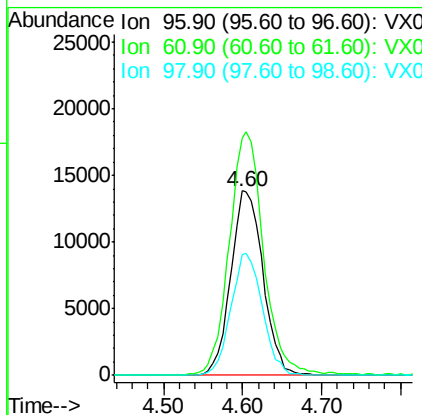
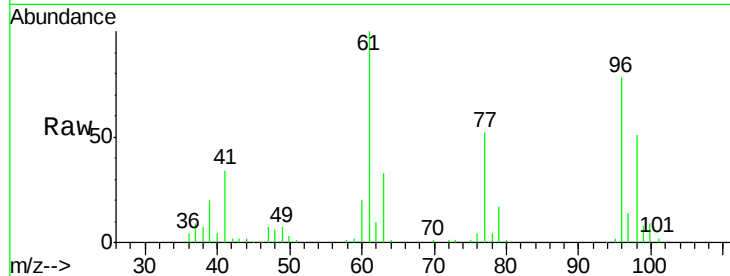
ClientSampled :

VX0502WBS02

Tot Ion:	96	Resp:	39413
Ion	Ratio	Lower	Upper
96	100		
61	139.8	0.0	288.0
98	64.6	0.0	130.2

Manual Integrations
APPROVED

MMDadoda
5/3/2018 12:21:21 PM



#28

Bromochloromethane

Concen: 23.54 ug/l

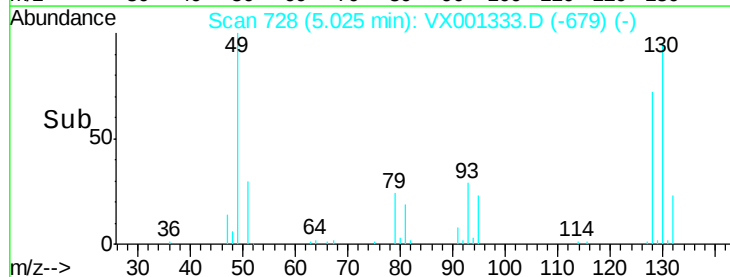
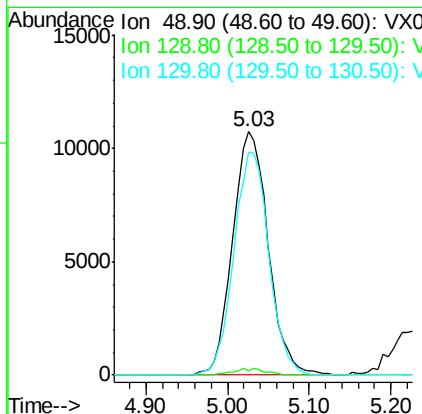
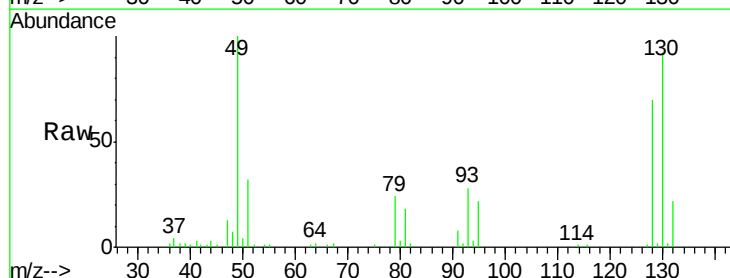
RT: 5.03 min Scan# 728

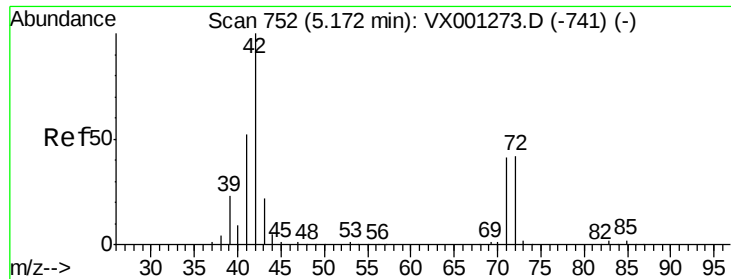
Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Tgt Ion:	49	Resp:	32475
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.8
130	90.1	70.4	105.6





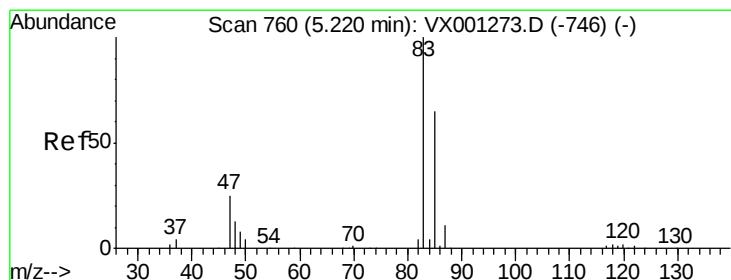
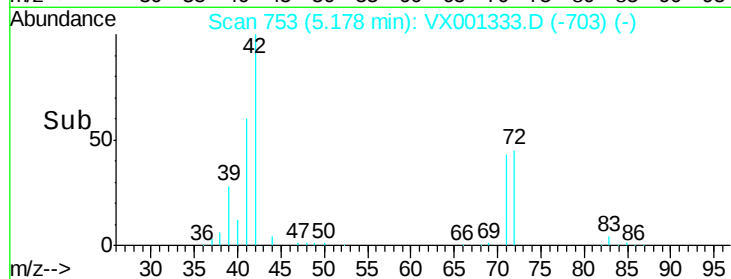
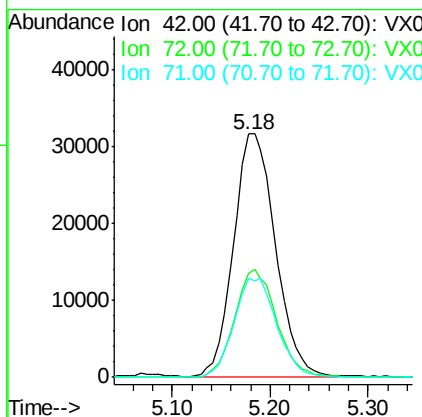
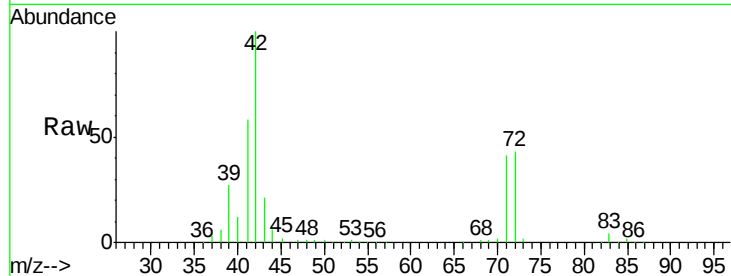
#29
Tetrahydrofuran
Concen: 117.34 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Instrument :
MSVOA_X
ClientSampled :
VX0502WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.6	52.0
71	41.8	32.7	49.1

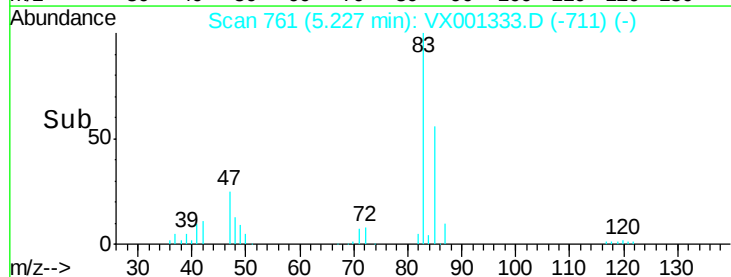
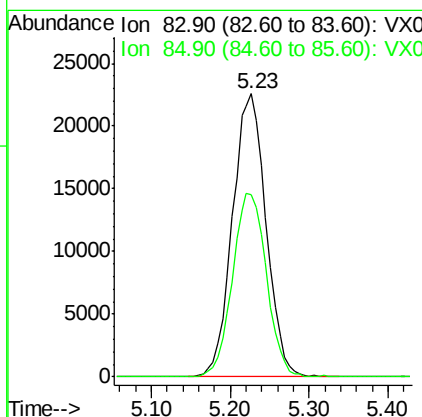
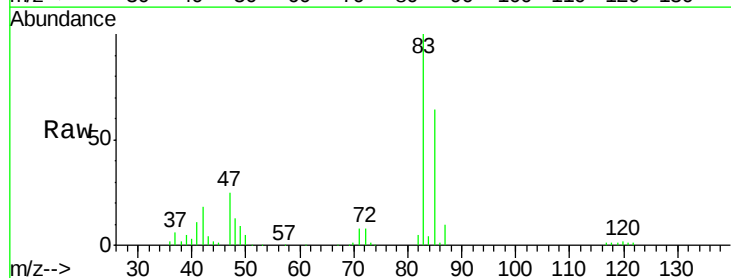
Manual Integrations
APPROVED

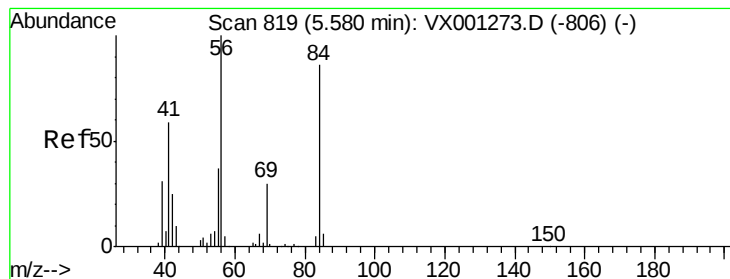
MMDadoda
5/3/2018 12:21:21 PM



#30
Chloroform
Concen: 20.58 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.2





#31

Cyclohexane

Concen: 18.72 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

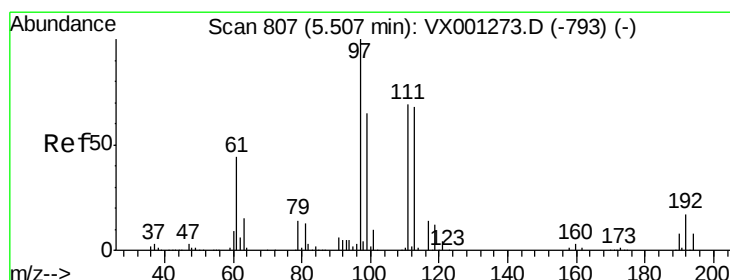
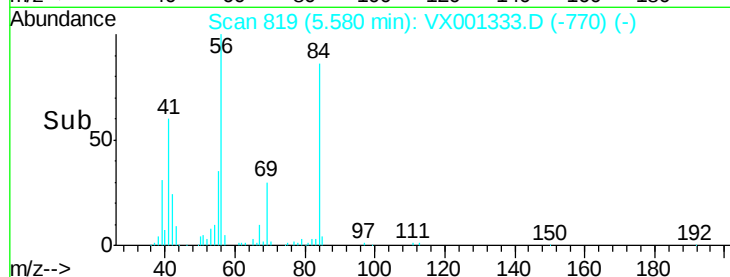
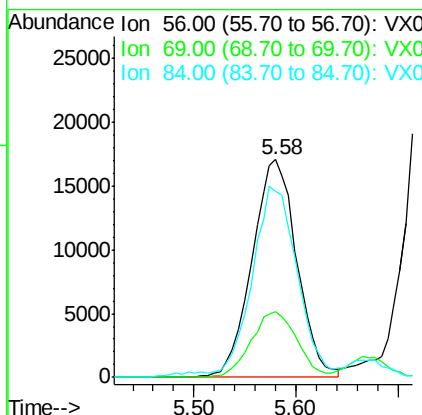
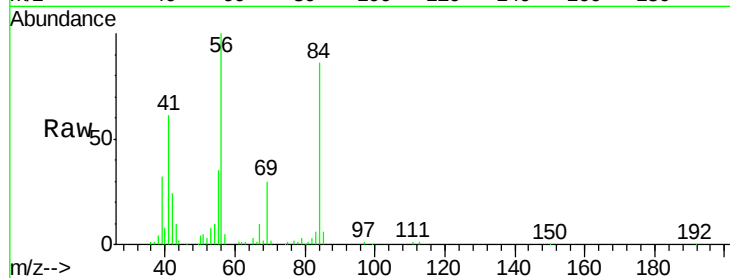
ClientSampleId :

VX0502WBS02

Tot Ion:	56	Resp:	51882
Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.0	36.0
84	83.1	69.0	103.4

Manual Integrations
APPROVED

MMDadoda
5/3/2018 12:21:21 PM



#32

1,1,1-Trichloroethane

Concen: 20.10 ug/l

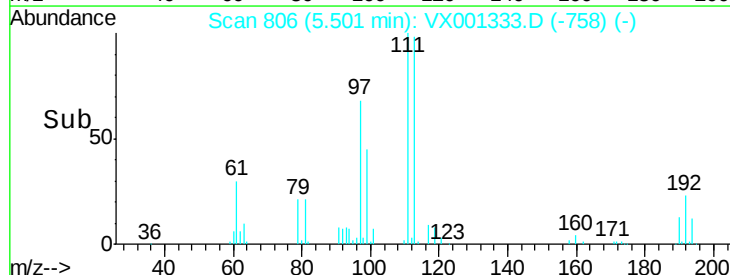
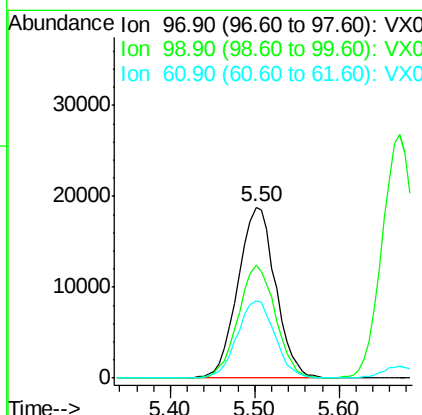
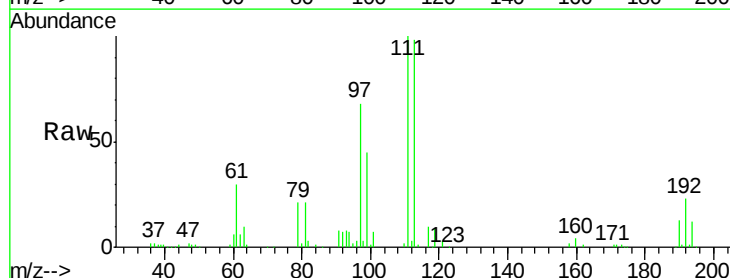
RT: 5.50 min Scan# 806

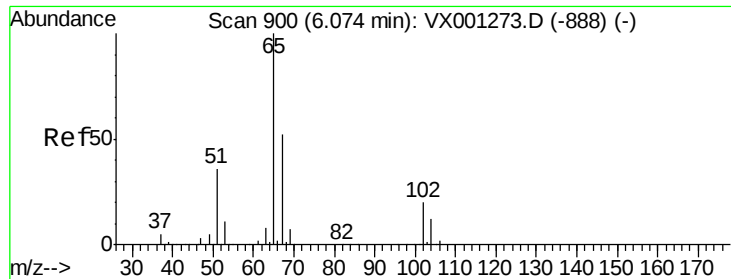
Delta R.T. -0.01 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Tgt Ion:	97	Resp:	56982
Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.8	77.6
61	45.2	35.4	53.2





#33

1,2-Dichloroethane-d4

Concen: 48.42 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS02

Tot Ion: 65 Resp: 109252

Ion Ratio Lower Upper

65 100

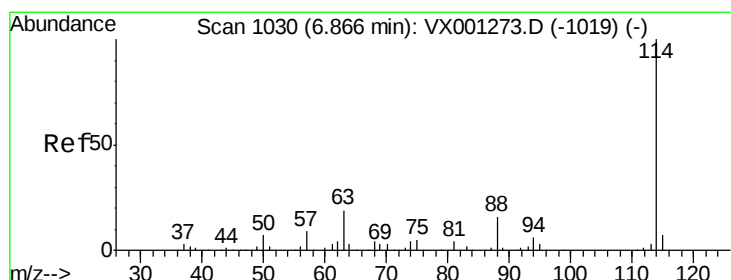
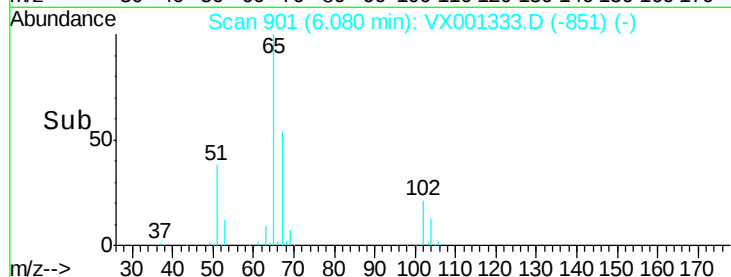
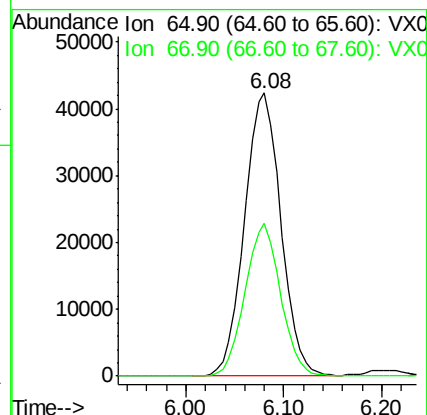
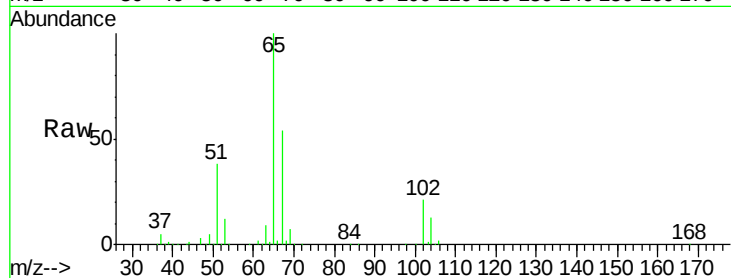
67 52.6 0.0 102.8

Manual Integrations

APPROVED

MMDadoda

5/3/2018 12:21:21 PM



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

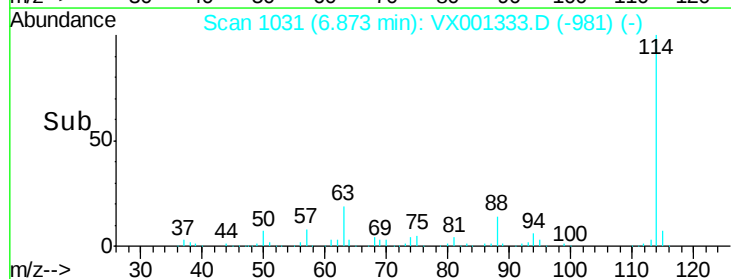
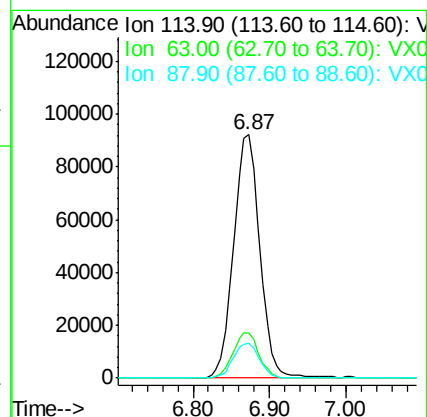
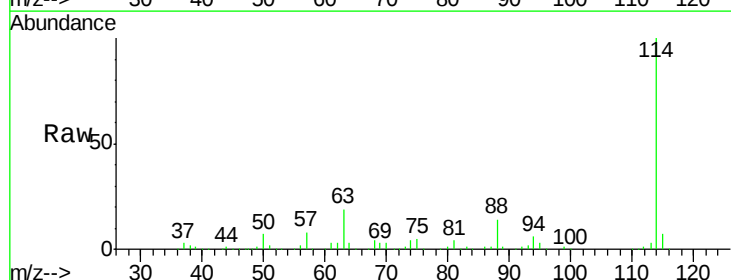
Tgt Ion: 114 Resp: 219264

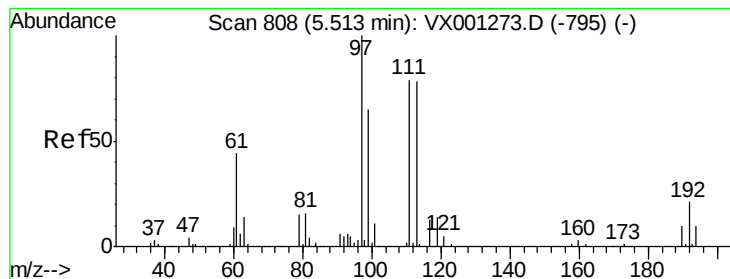
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.8

88 14.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 49.27 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

ClientSampled :

VX0502WBS02

Tot Ion:113 Resp: 93068

Ion Ratio Lower Upper

113 100

111 102.4 81.2 121.8

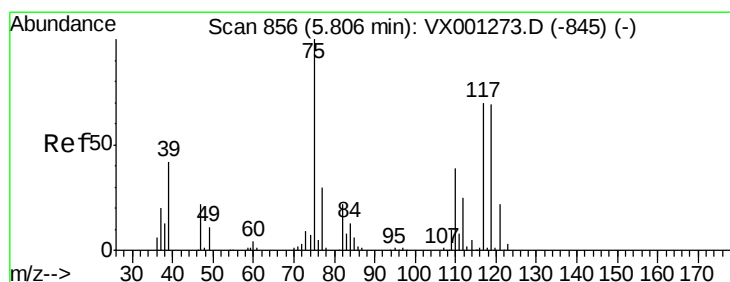
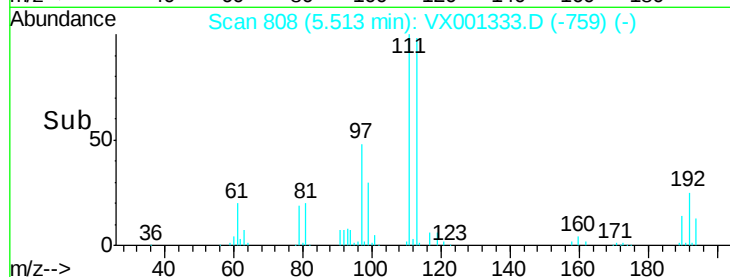
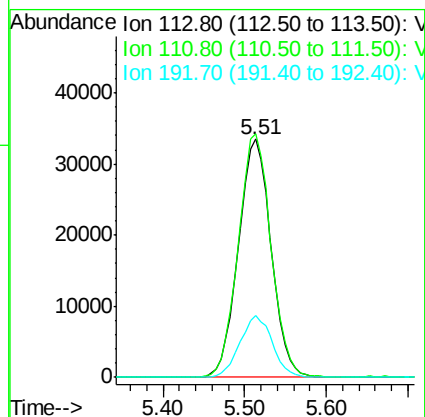
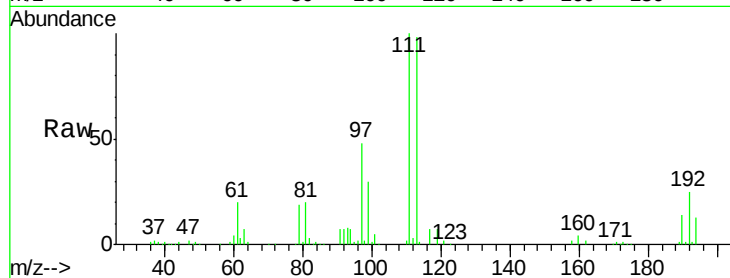
192 25.7 20.7 31.1

Manual Integrations

APPROVED

MMDadoda

5/3/2018 12:21:21 PM



#36

1,1-Dichloropropene

Concen: 17.95 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

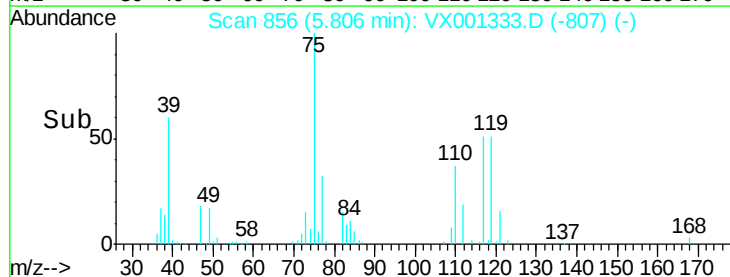
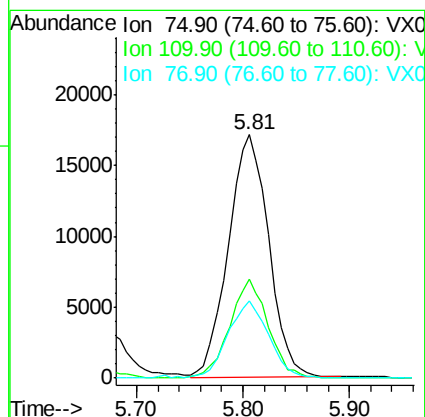
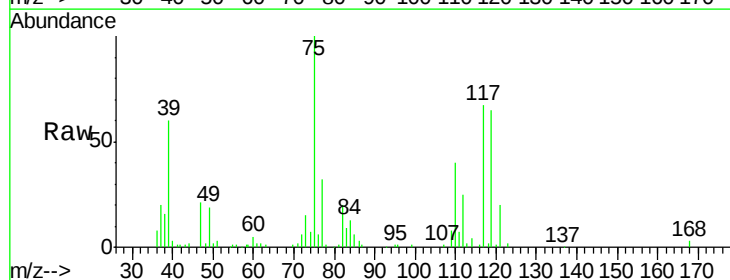
Tgt Ion: 75 Resp: 45420

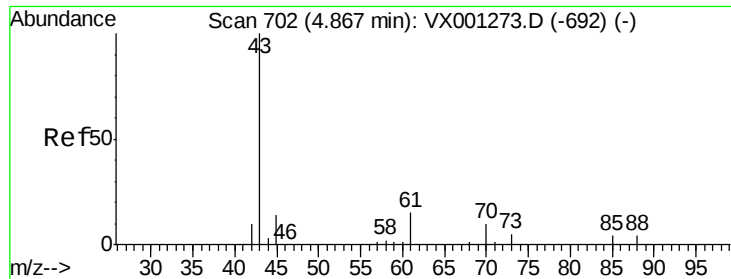
Ion Ratio Lower Upper

75 100

110 38.7 18.9 56.9

77 32.2 24.2 36.2





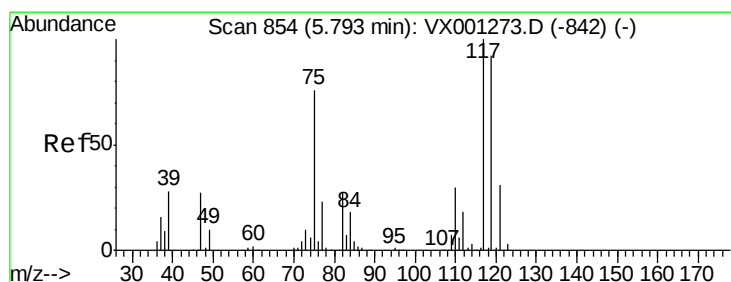
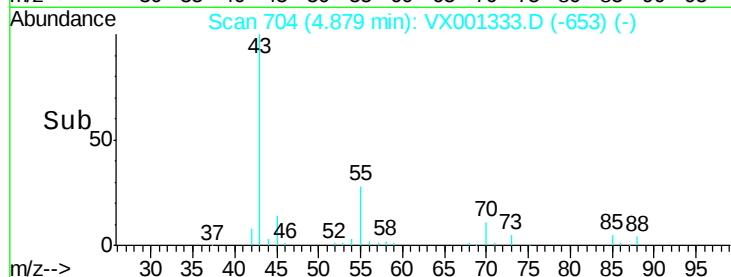
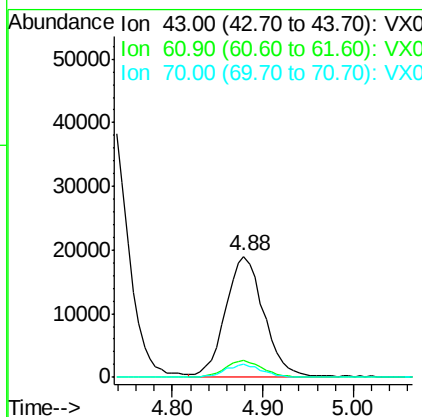
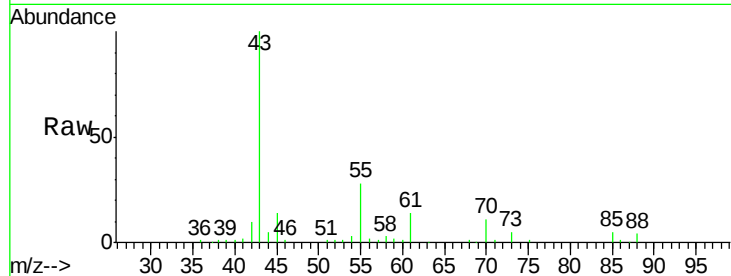
#37
Ethyl Acetate
Concen: 21.53 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Instrument :
MSVOA_X
ClientSampled :
VX0502WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.7	16.1
70	10.4	8.0	12.0

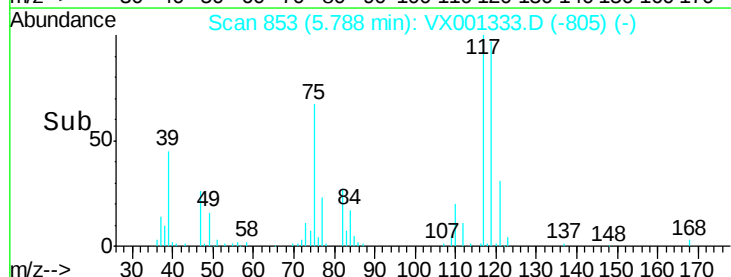
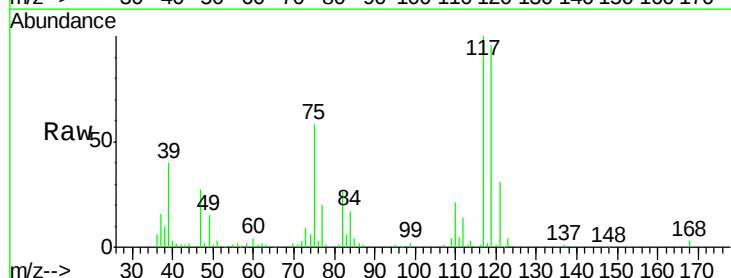
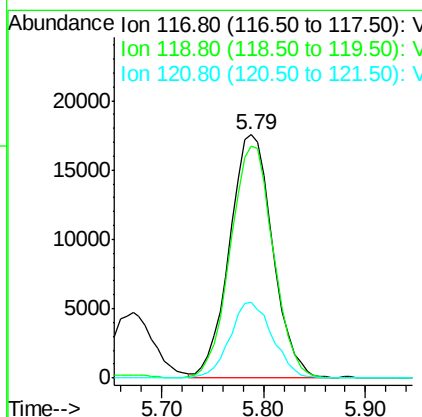
Manual Integrations
APPROVED

MMDadoda
5/3/2018 12:21:21 PM



#38
Carbon Tetrachloride
Concen: 19.47 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	73.4	110.2
121	31.3	25.0	37.4





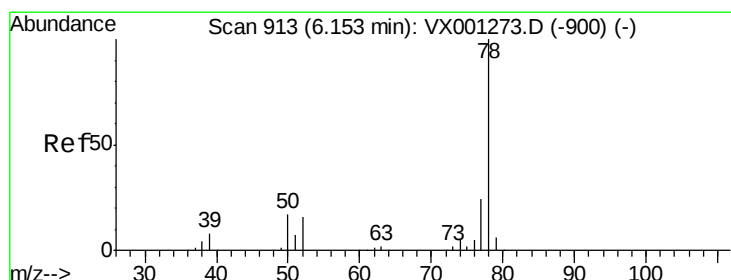
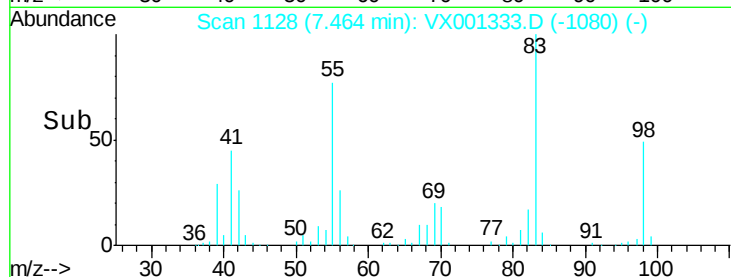
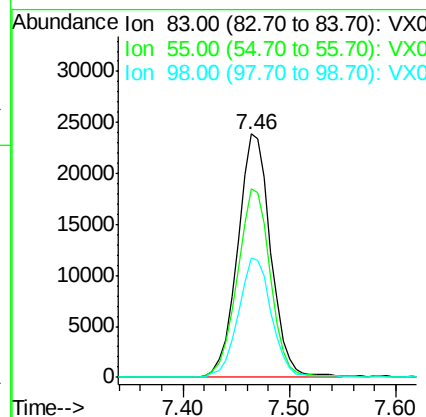
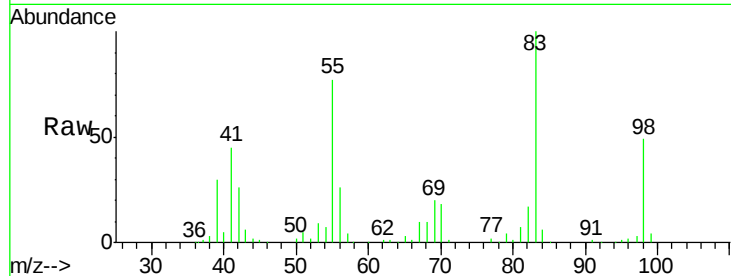
#39
Methvlcvclohexane
Concen: 17.40 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	60.4	90.6
98	49.0	37.0	55.6

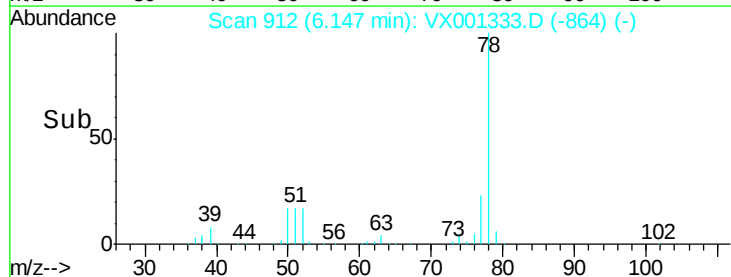
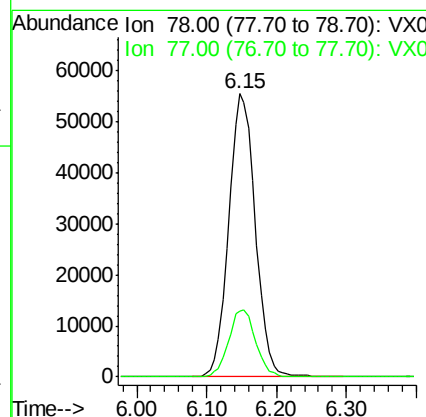
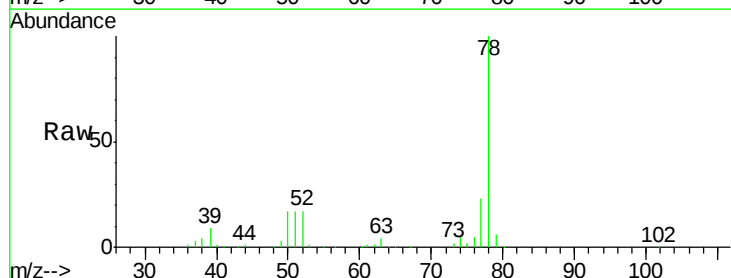
Manual Integrations
APPROVED

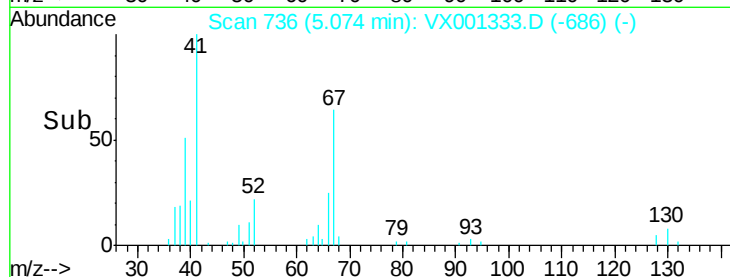
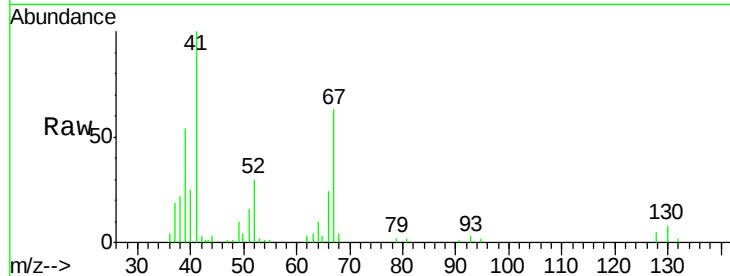
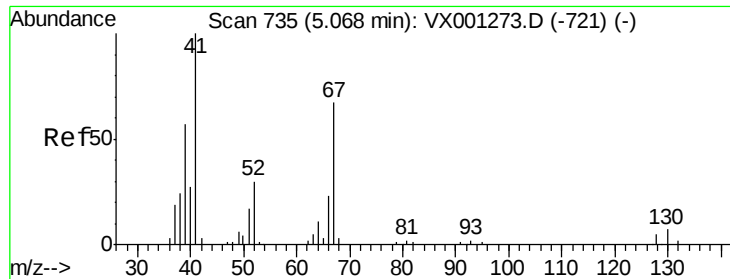
MMDadoda
5/3/2018 12:21:21 PM



#40
Benzene
Concen: 20.09 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

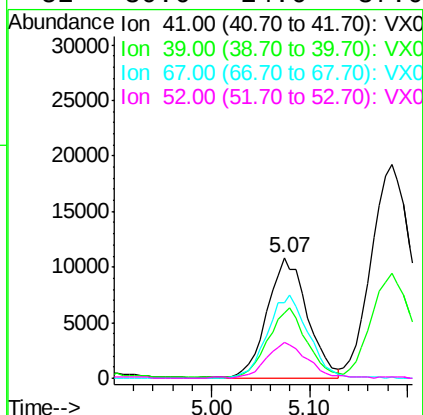
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.4





#41
Methacrylonitrile
Concen: 21.06 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

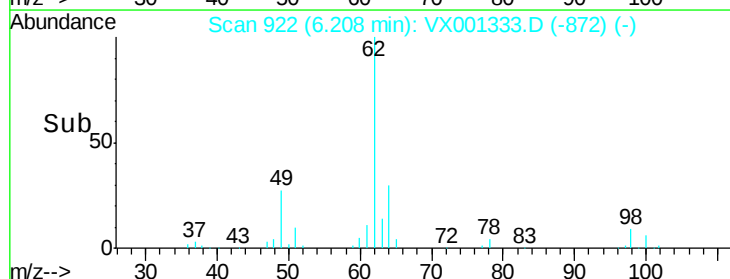
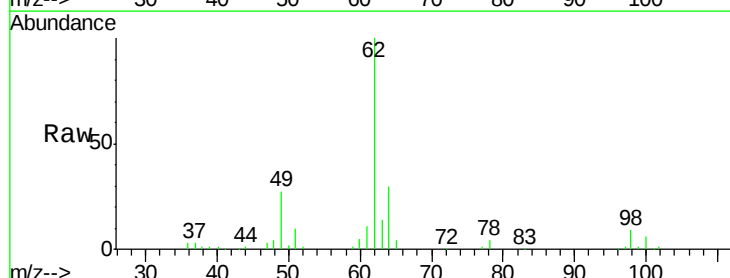
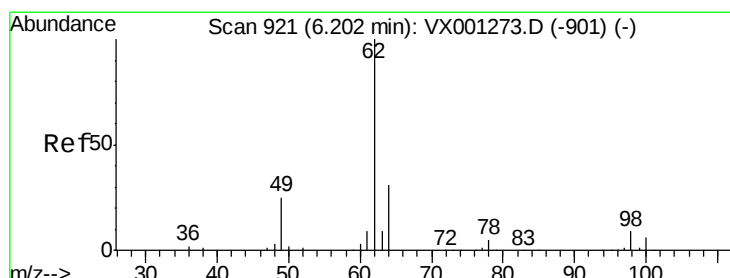
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		31336		
39	56.6	45.8	68.8		
67	69.4	54.8	82.2		
52	30.6	24.6	37.0		



Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS02

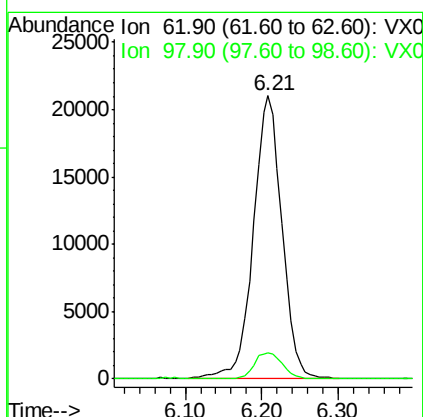
Manual Integrations
APPROVED

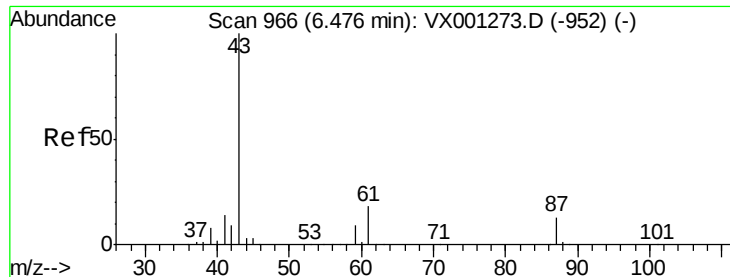
MMDadoda
5/3/2018 12:21:21 PM



#42
1,2-Dichloroethane
Concen: 19.49 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		54943		
98	9.1	0.0	17.2		





#43

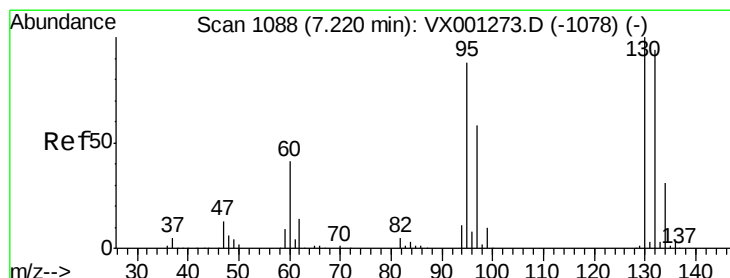
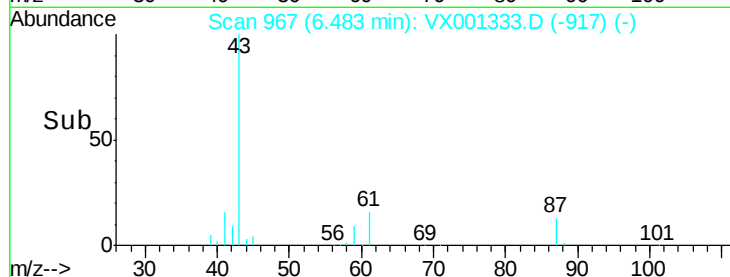
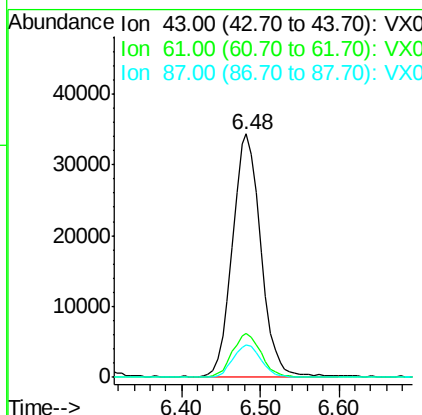
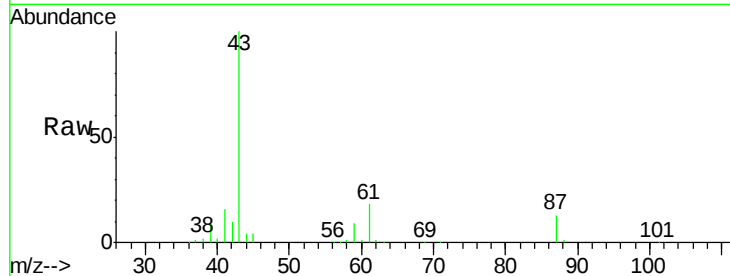
Isopropyl Acetate
 Concen: 20.74 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX001333.D
 Acq: 02 May 2018 23:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.0	22.4
87	13.4	10.2	15.4

Manual Integrations
 APPROVED

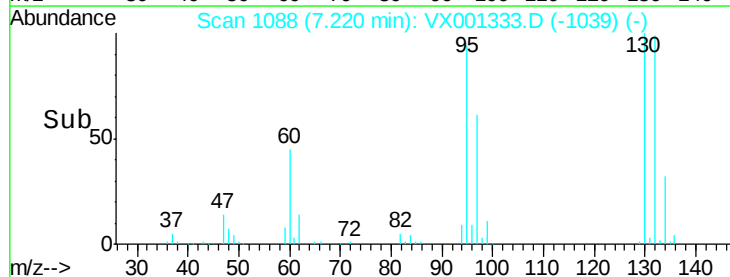
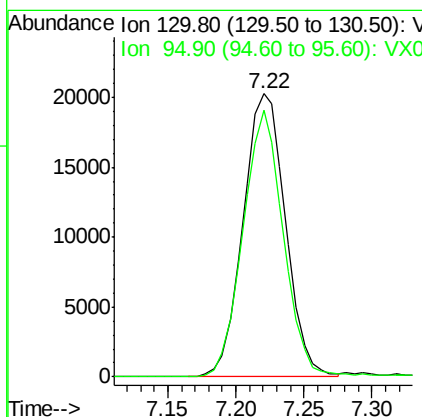
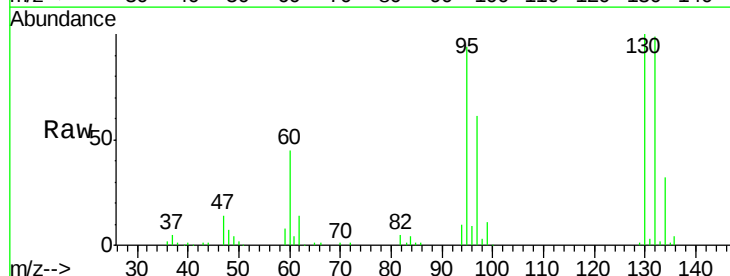
MMDadoda
 5/3/2018 12:21:21 PM

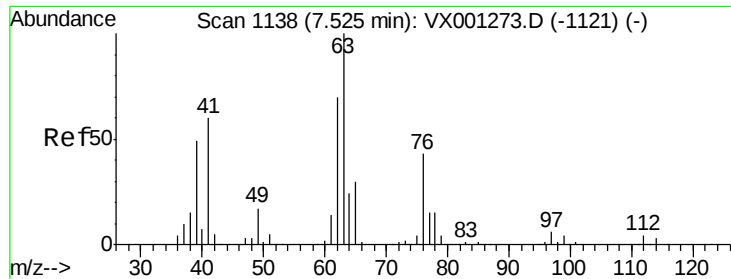


#44

Trichloroethene
 Concen: 19.83 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001333.D
 Acq: 02 May 2018 23:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	176.0





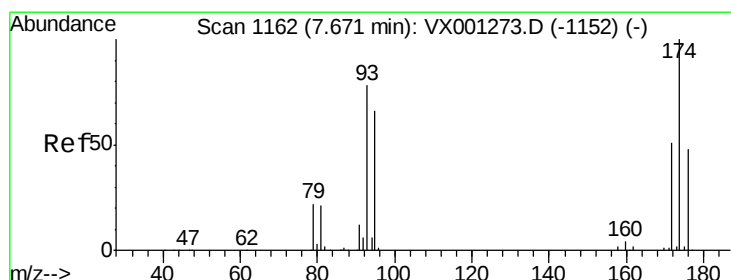
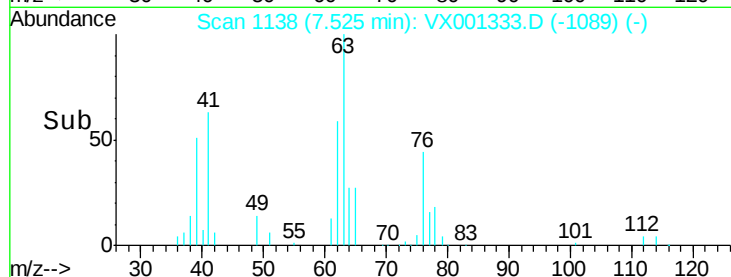
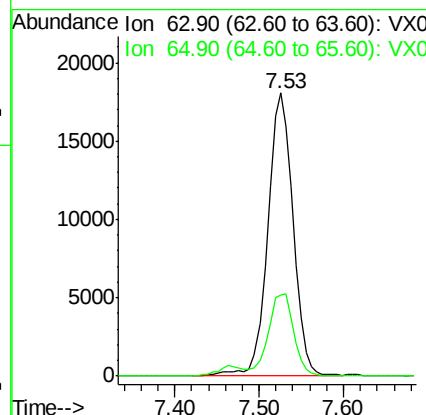
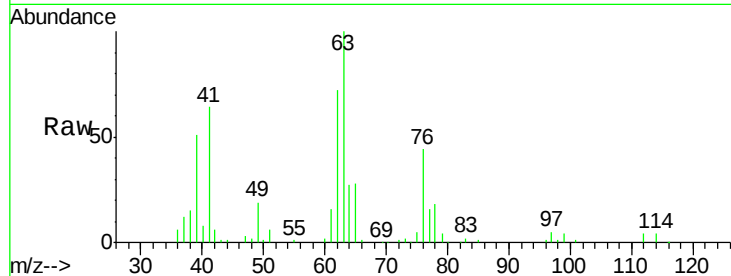
#45
 1,2-Dichloropropane
 Concen: 20.05 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001333.D
 Acq: 02 May 2018 23:24

Instrument :
 MSVOA_X
 ClientSampled :
 VX0502WBS02

Tot Ion: 63 Resp: 37486
 Ion Ratio Lower Upper
 63 100
 65 28.5 24.2 36.4

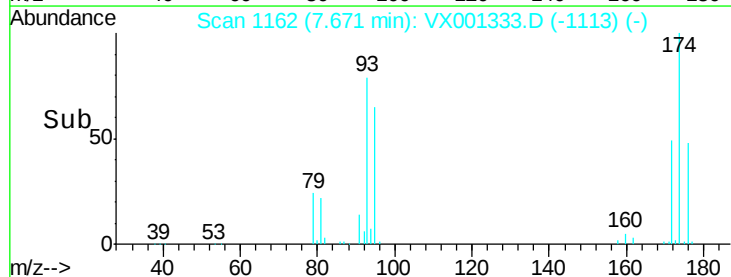
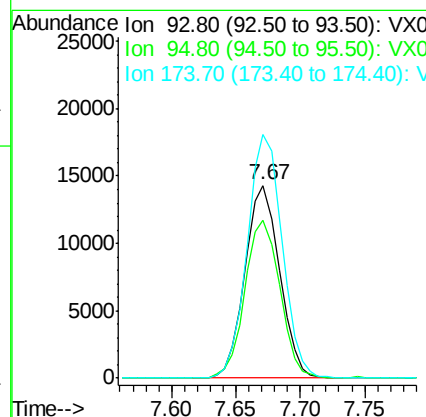
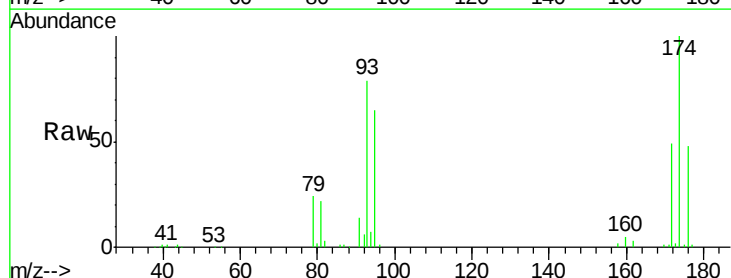
Manual Integrations
 APPROVED

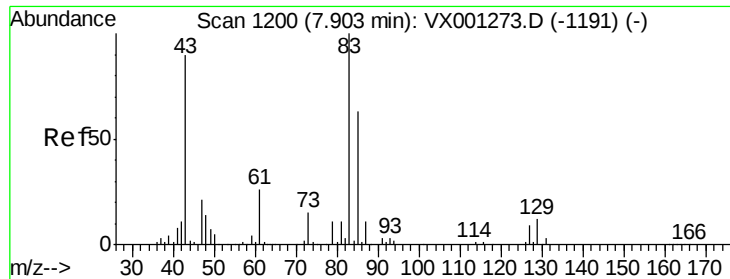
MMDadoda
 5/3/2018 12:21:21 PM



#46
 Dibromomethane
 Concen: 20.38 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001333.D
 Acq: 02 May 2018 23:24

Tgt Ion: 93 Resp: 26704
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.0 100.6
 174 127.0 102.3 153.5





#47

Bromodichloromethane

Concen: 19.80 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

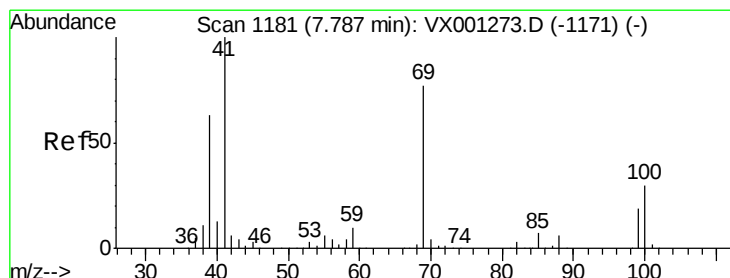
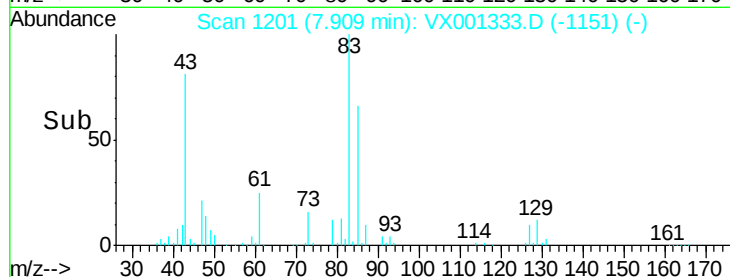
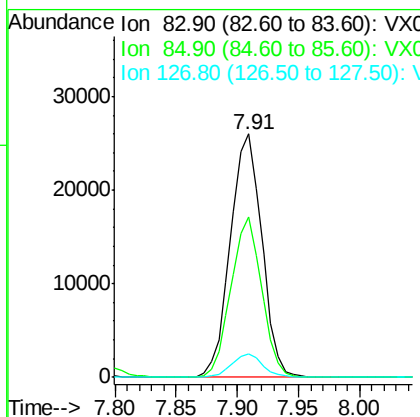
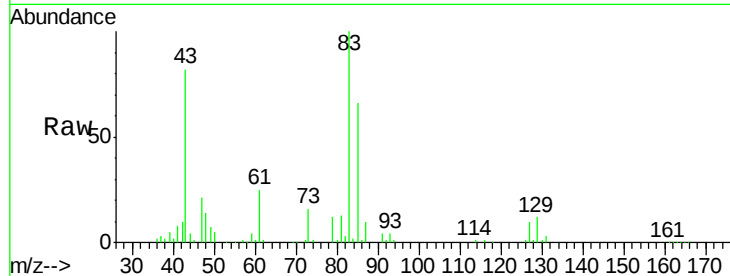
ClientSampleId :

VX0502WBS02

Tot Ion:	83	Resp:	46401
Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.3	75.5
127	9.7	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
5/3/2018 12:21:21 PM



#48

Methyl methacrylate

Concen: 20.61 ug/l

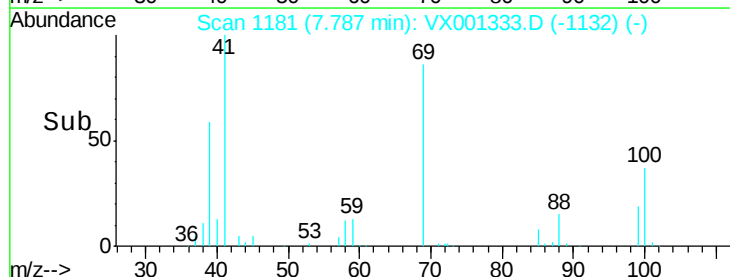
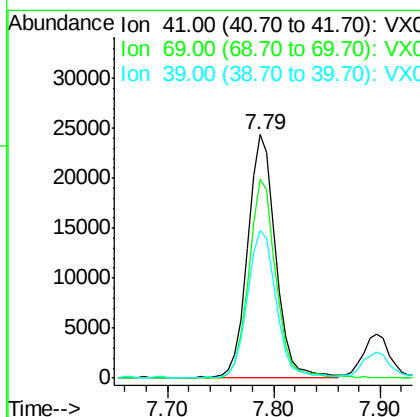
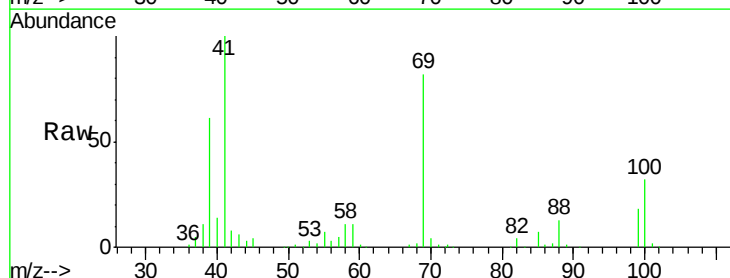
RT: 7.79 min Scan# 1181

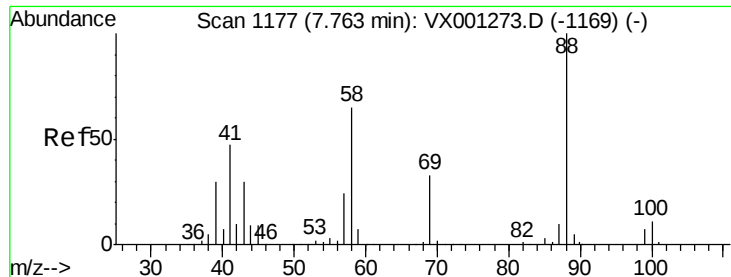
Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Tgt Ion:	41	Resp:	45321
Ion	Ratio	Lower	Upper
41	100		
69	78.3	63.0	94.6
39	61.2	50.2	75.4





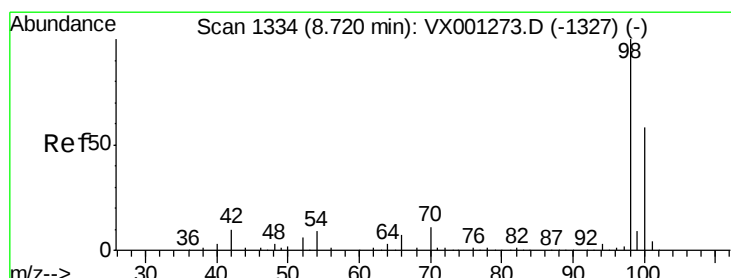
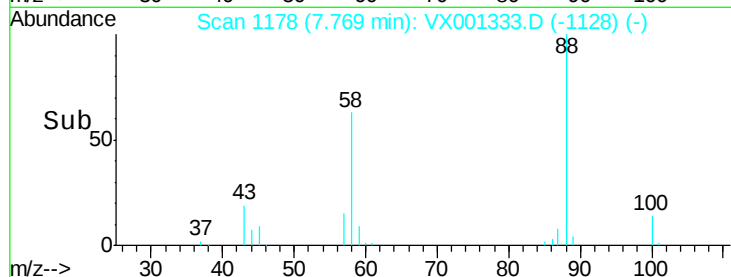
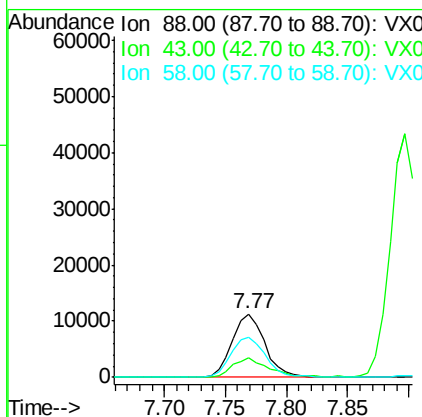
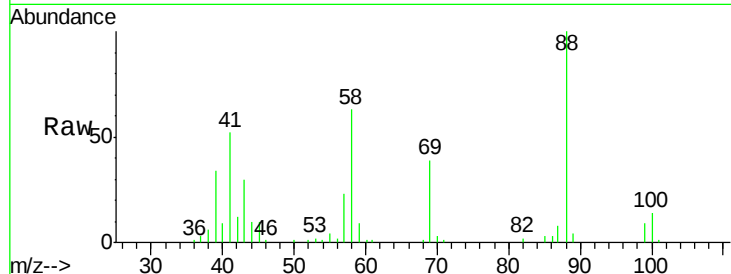
#49
 1,4-Dioxane
 Concen: 499.89 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: VX001333.D
 Acq: 02 May 2018 23:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS02

Tot Ion:	88	Resp:	20746
Ion	Ratio	Lower	Upper
88	100		
43	33.0	27.9	41.9
58	68.6	54.2	81.2

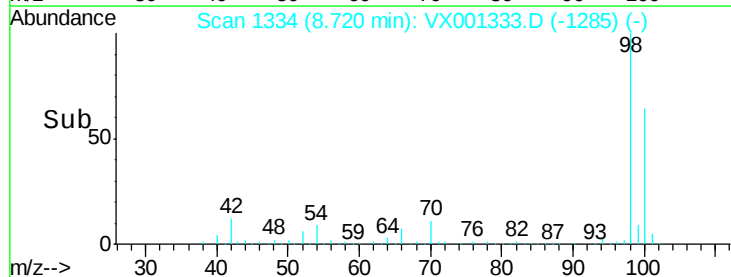
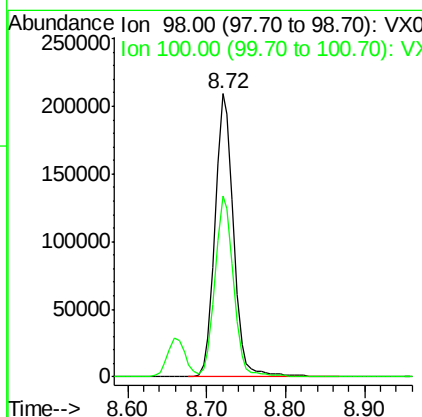
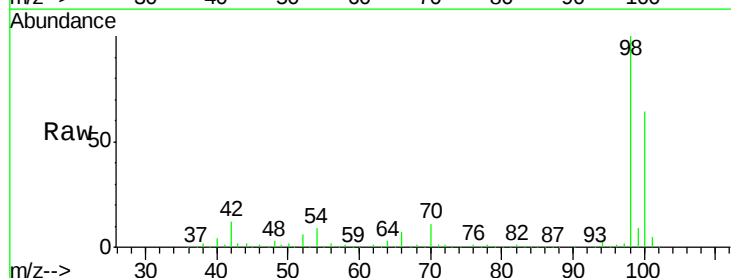
Manual Integrations
 APPROVED

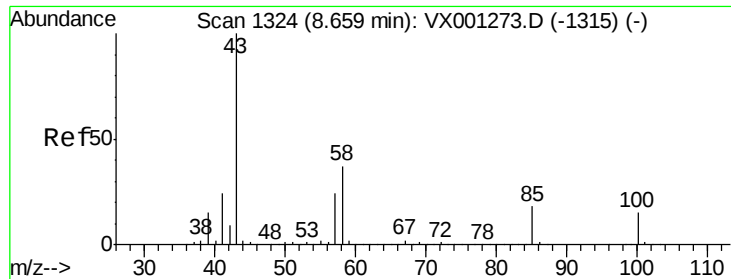
MMDadoda
 5/3/2018 12:21:21 PM



#50
 Toluene-d8
 Concen: 50.71 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX001333.D
 Acq: 02 May 2018 23:24

Tgt Ion:	98	Resp:	342196
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 113.22 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

ClientSampled :

VX0502WBS02

Tot Ion: 43 Resp: 301953

Ion Ratio Lower Upper

43 100

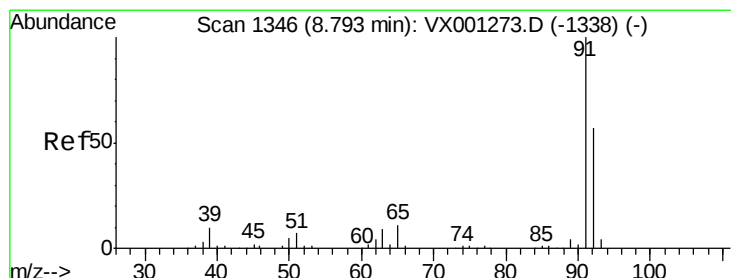
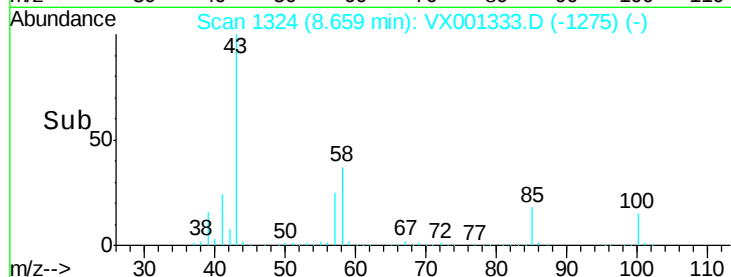
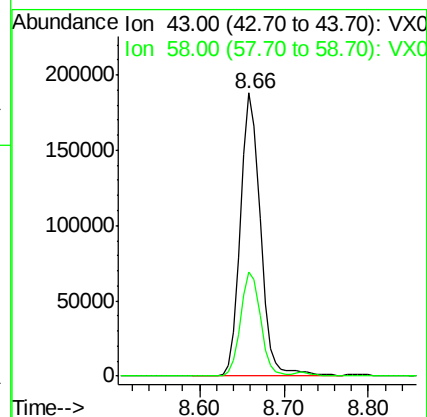
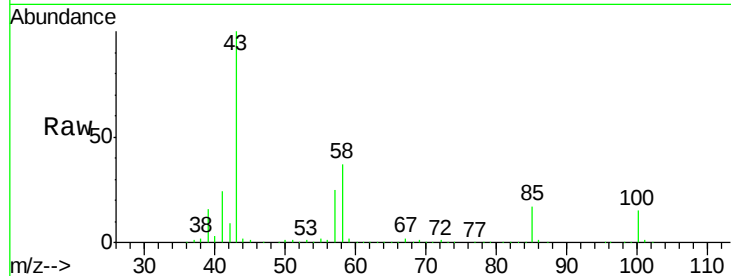
58 36.2 29.0 43.6

Manual Integrations

APPROVED

MMDadoda

5/3/2018 12:21:21 PM



#52

Toluene

Concen: 19.69 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001333.D

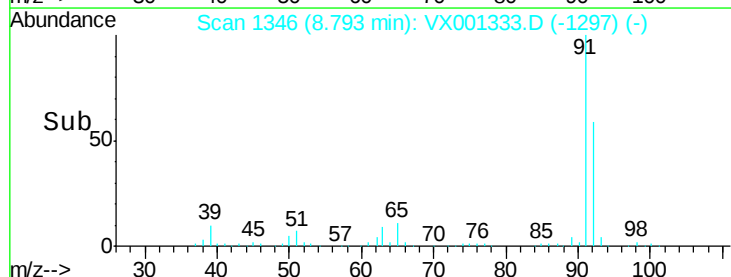
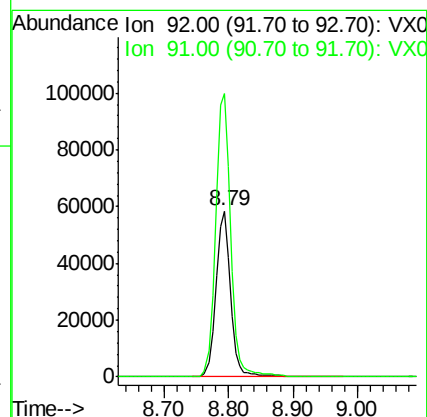
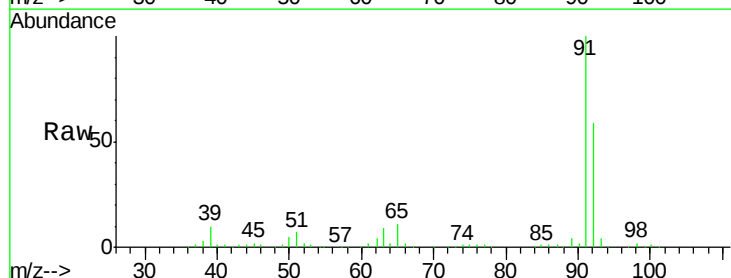
Acq: 02 May 2018 23:24

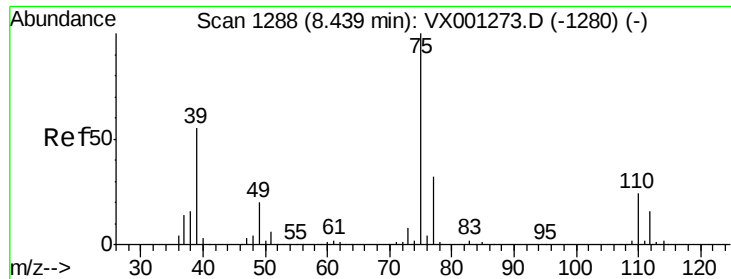
Tgt Ion: 92 Resp: 93713

Ion Ratio Lower Upper

92 100

91 175.5 139.0 208.6





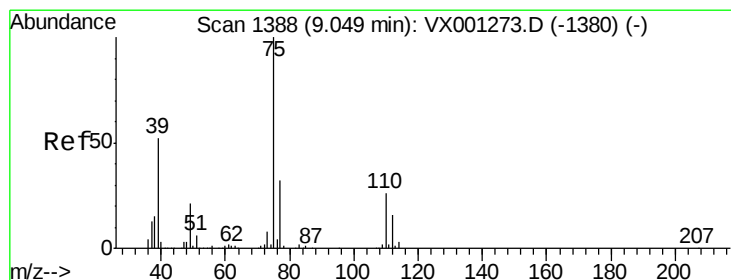
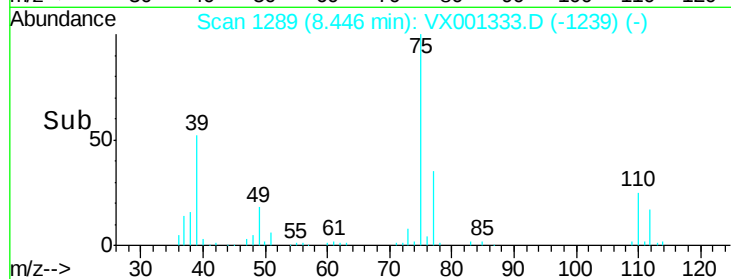
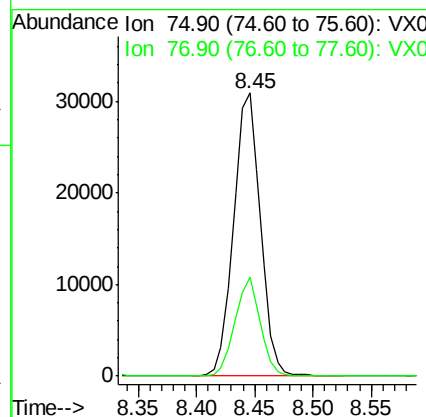
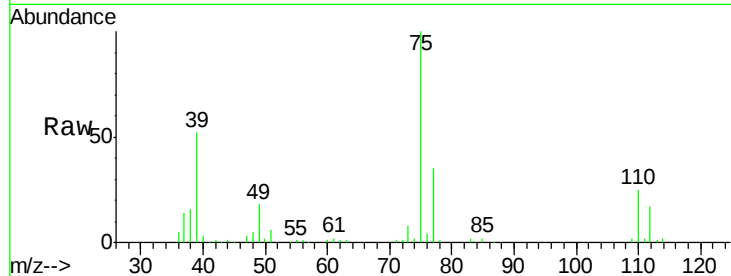
#53
t-1,3-Dichloropropene
Concen: 17.79 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS02

Tot Ion: 75 Resp: 49572
Ion Ratio Lower Upper
75 100
77 34.9 25.6 38.4

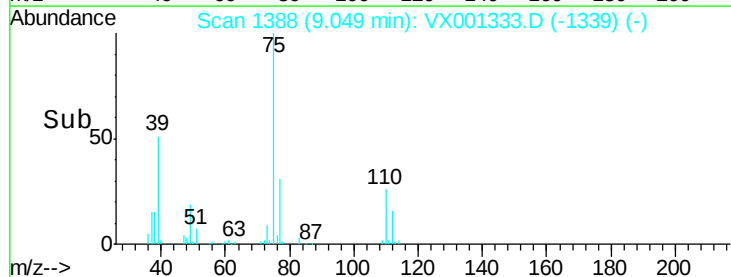
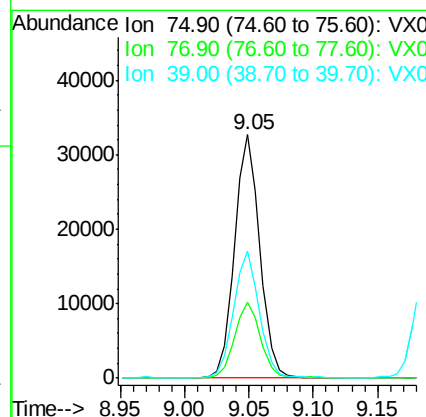
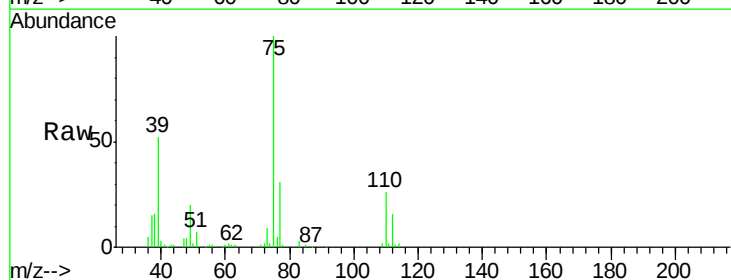
Manual Integrations
APPROVED

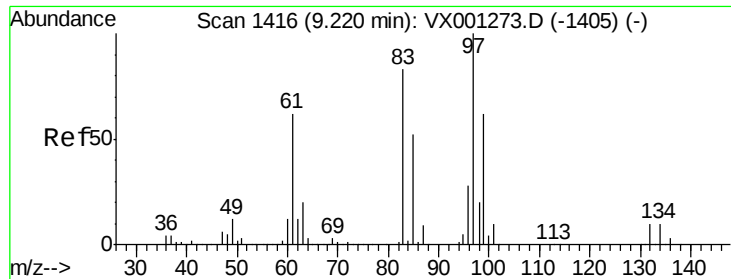
MMDadoda
5/3/2018 12:21:21 PM



#54
cis-1,3-Dichloropropene
Concen: 17.49 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Tgt Ion: 75 Resp: 44831
Ion Ratio Lower Upper
75 100
77 31.2 25.5 38.3
39 51.9 41.9 62.9





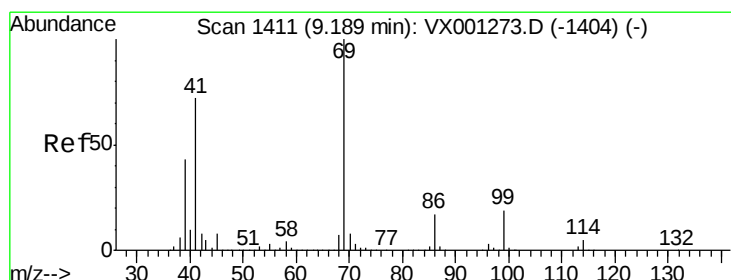
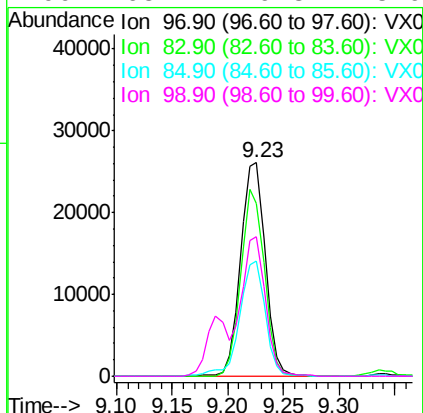
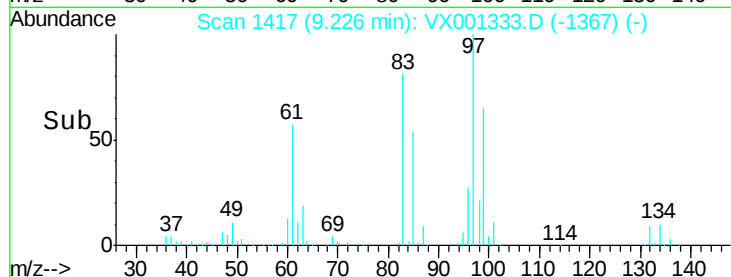
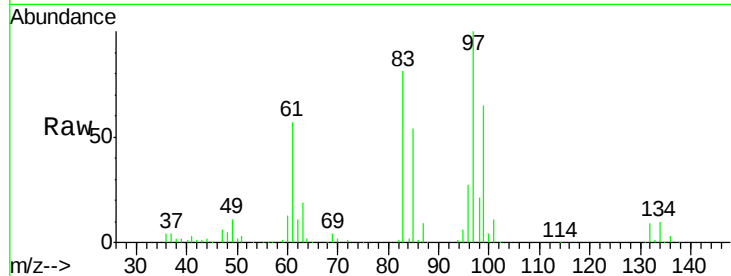
#55
 1,1,2-Trichloroethane
 Concen: 20.96 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VX001333.D
 Acq: 02 May 2018 23:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS02

Tot Ion:	97	Resp:	40281
Ion	Ratio	Lower	Upper
97	100		
83	80.9	66.4	99.6
85	54.0	41.6	62.4
99	65.1	49.3	73.9

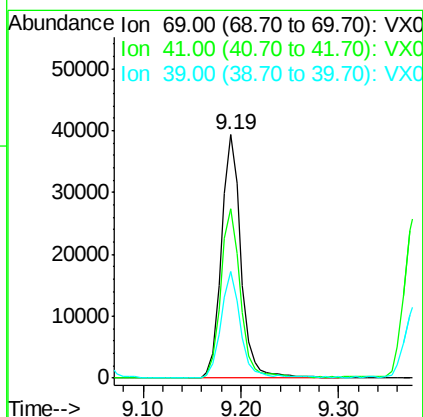
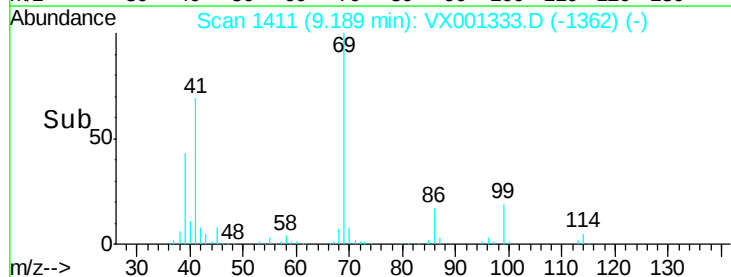
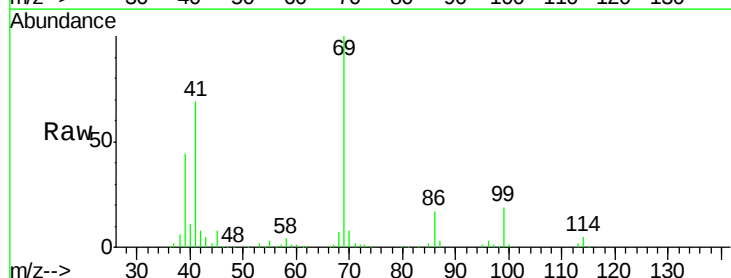
Manual Integrations
 APPROVED

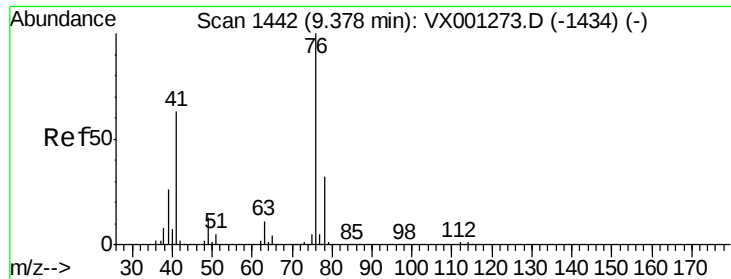
MMDadoda
 5/3/2018 12:21:21 PM



#56
 Ethyl methacrylate
 Concen: 20.60 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001333.D
 Acq: 02 May 2018 23:24

Tgt Ion:	69	Resp:	54859
Ion	Ratio	Lower	Upper
69	100		
41	69.8	57.2	85.8
39	43.6	34.3	51.5





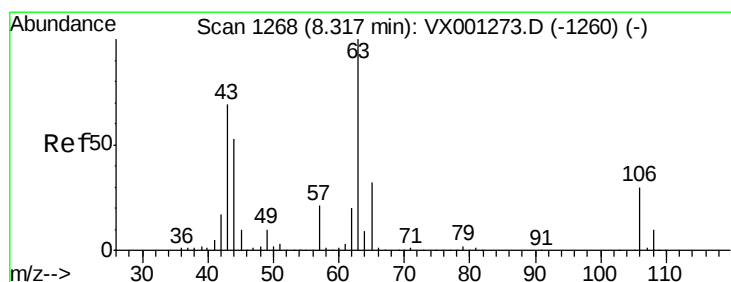
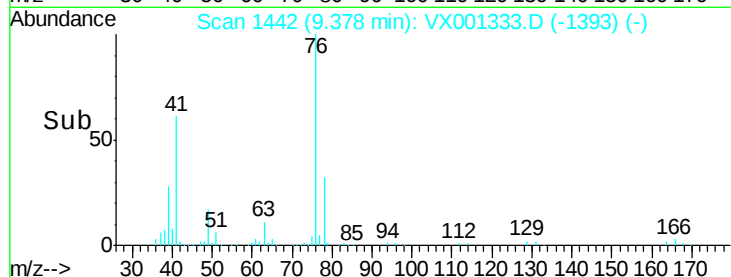
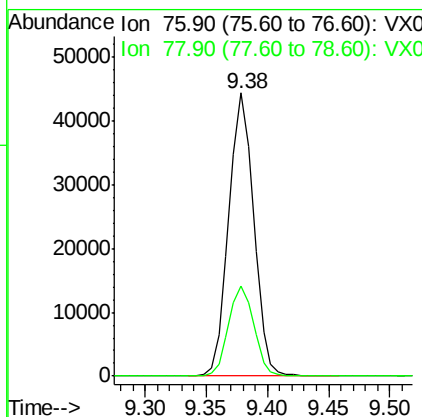
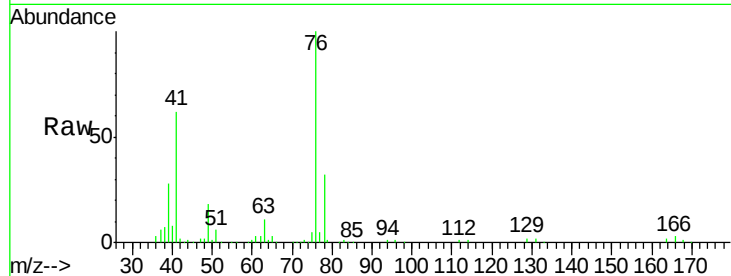
#57
 1,3-Dichloropropane
 Concen: 20.33 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001333.D
 Acq: 02 May 2018 23:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS02

Tot Ion: 76 Resp: 62874
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.6 38.4

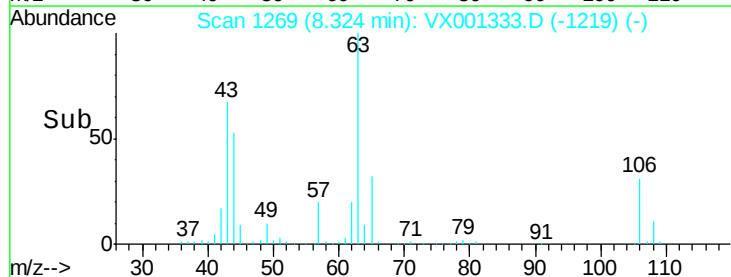
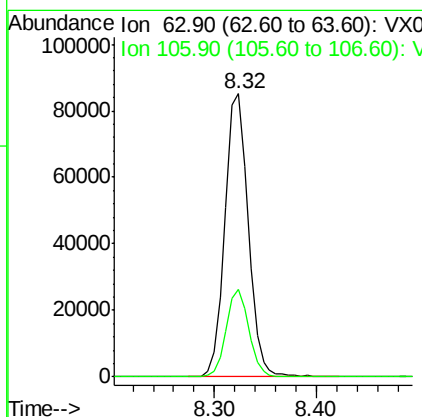
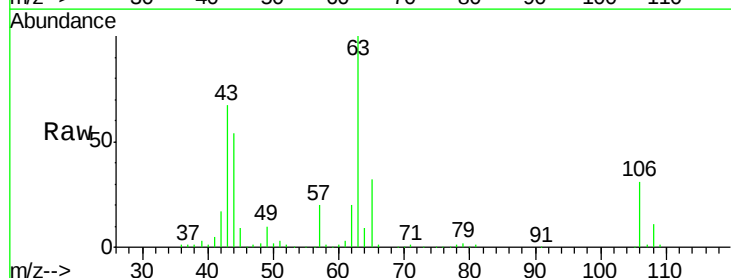
Manual Integrations
 APPROVED

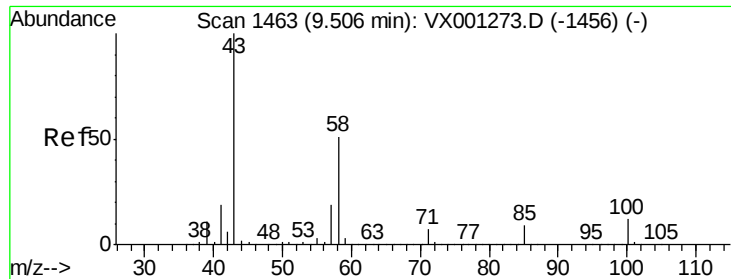
MMDadoda
 5/3/2018 12:21:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.31 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VX001333.D
 Acq: 02 May 2018 23:24

Tgt Ion: 63 Resp: 135322
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.8 35.6





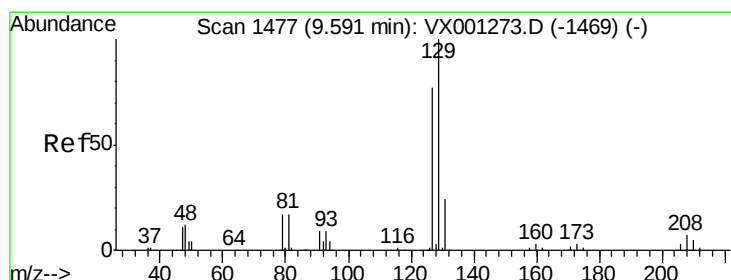
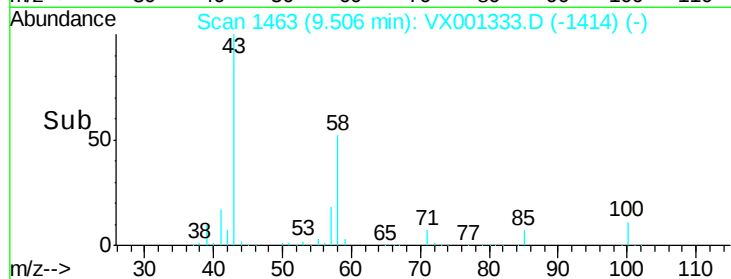
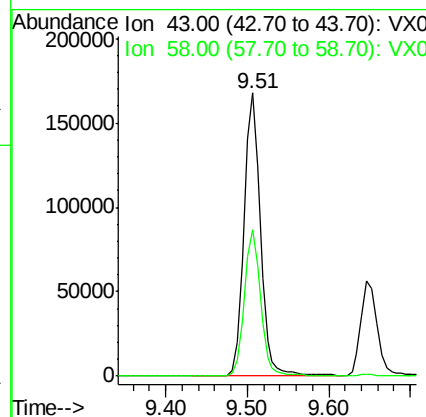
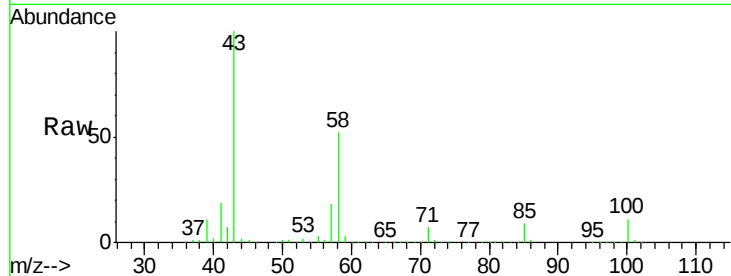
#59
2-Hexanone
Concen: 111.32 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS02

Tot Ion: 43 Resp: 232058
Ion Ratio Lower Upper
43 100
58 51.2 25.7 77.0

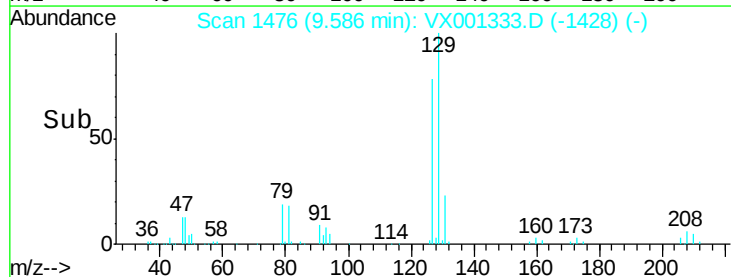
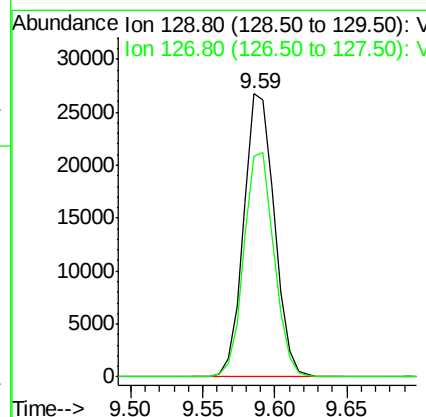
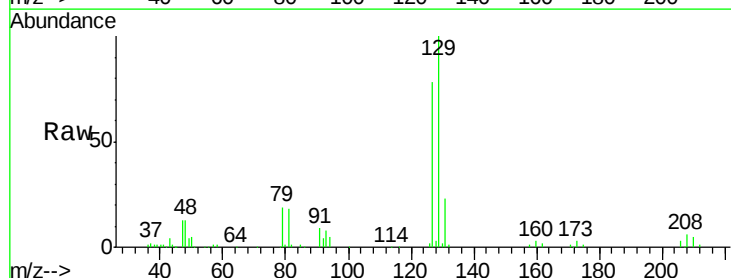
Manual Integrations
APPROVED

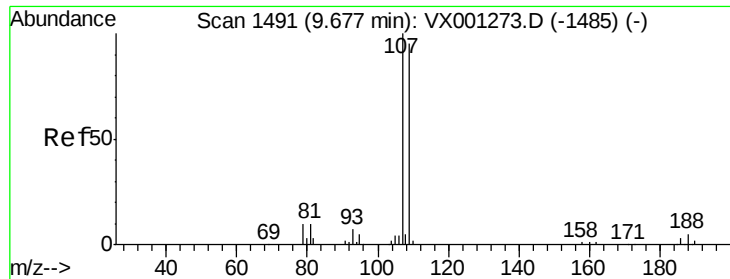
MMDadoda
5/3/2018 12:21:21 PM



#60
Dibromochloromethane
Concen: 19.68 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Tgt Ion: 129 Resp: 39461
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.3





#61

1,2-Dibromoethane

Concen: 20.27 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS02

Tot Ion:107 Resp: 41306

Ion Ratio Lower Upper

107 100

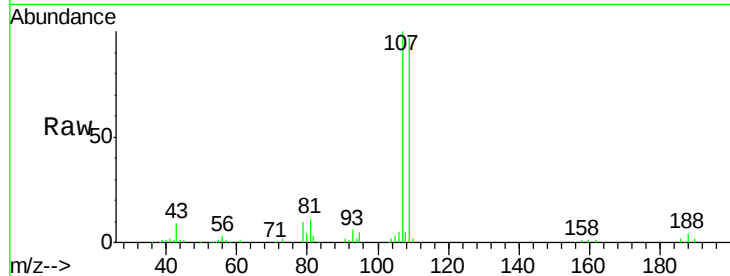
109 95.9 75.4 113.2

Manual Integrations

APPROVED

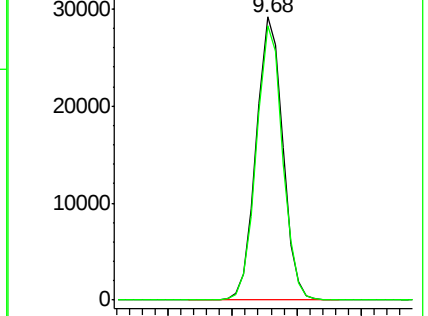
MMDadoda

5/3/2018 12:21:21 PM

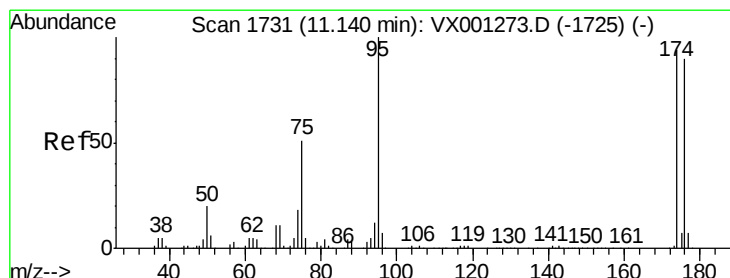
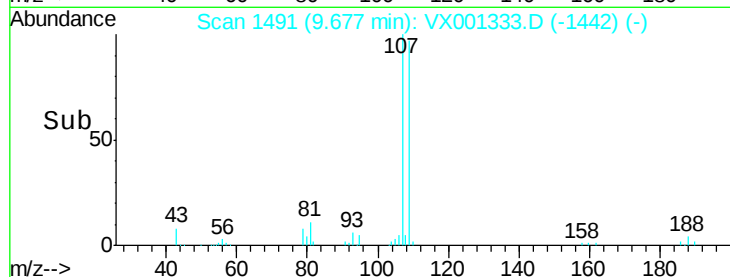


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 46.10 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

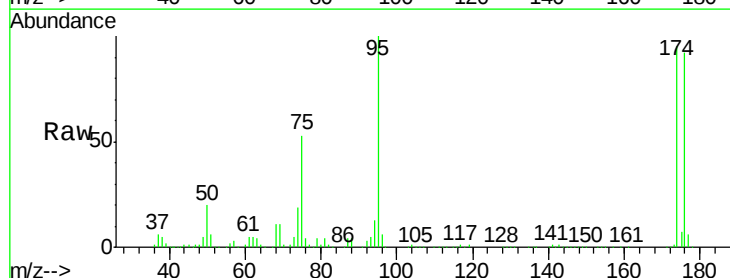
Tgt Ion: 95 Resp: 124420

Ion Ratio Lower Upper

95 100

174 104.1 0.0 201.8

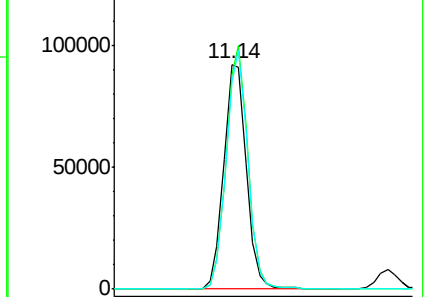
176 101.6 0.0 197.2



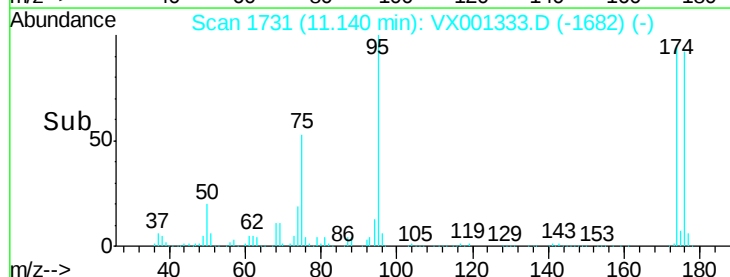
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





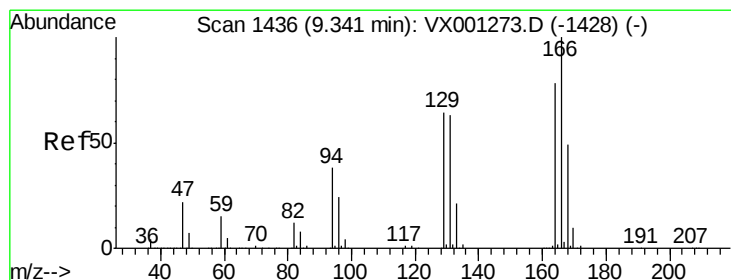
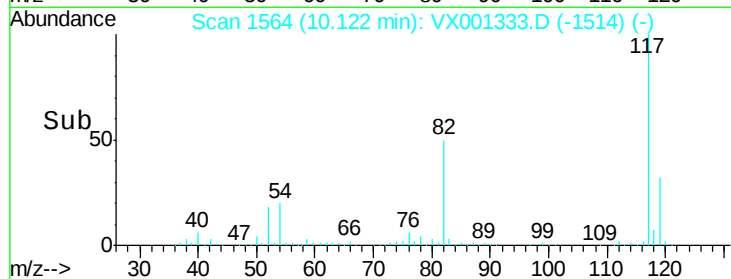
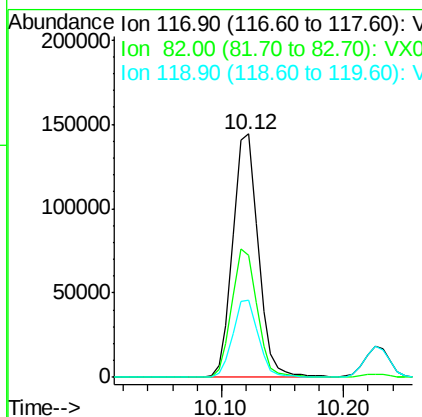
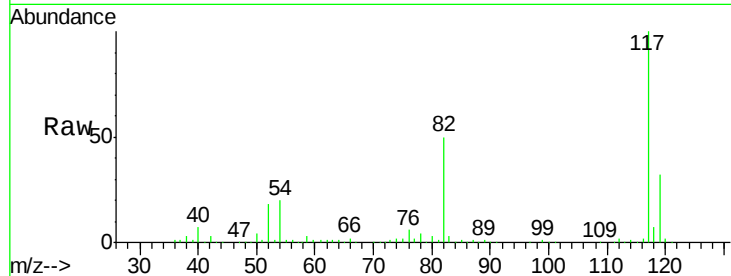
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	208230		
82	50.1		41.4	62.0
119	32.0		25.5	38.3

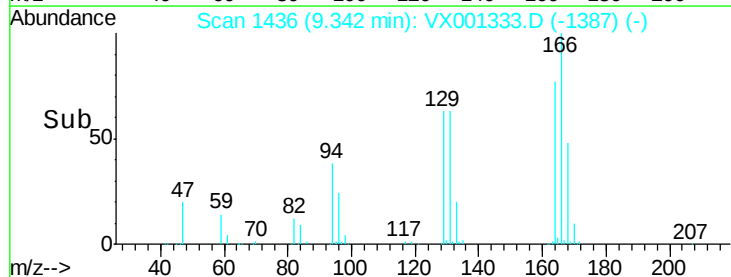
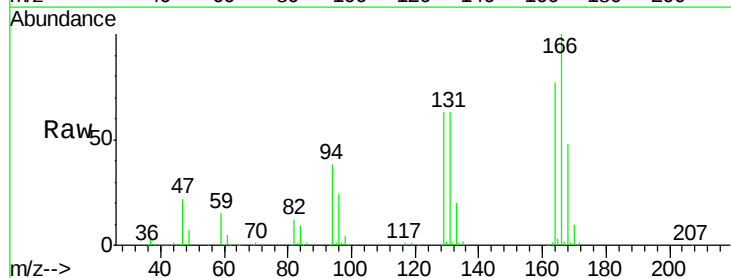
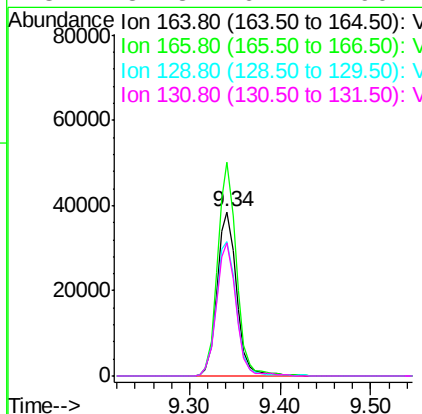
Manual Integrations
APPROVED

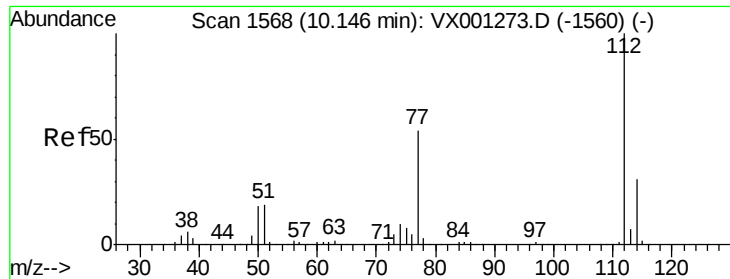
MMDadoda
5/3/2018 12:21:21 PM



#64
Tetrachloroethene
Concen: 23.53 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	58057		
166	129.9		102.3	153.5
129	81.6		65.1	97.7
131	81.3		64.2	96.4





#65

Chlorobenzene

Concen: 19.32 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

ClientSampled :

VX0502WBS02

Tot Ion:112 Resp: 109421

Ion Ratio Lower Upper

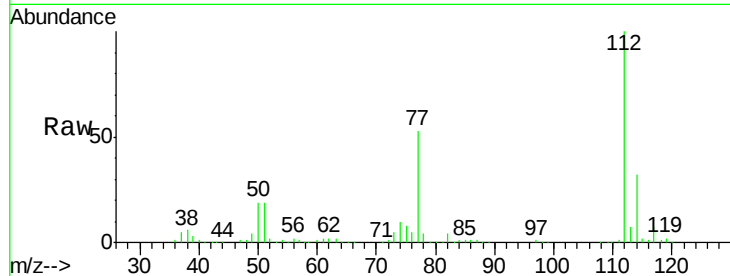
112 100

114 32.0 24.8 37.2

Manual Integrations
APPROVED

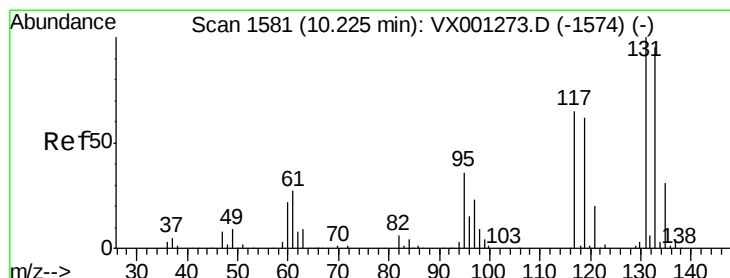
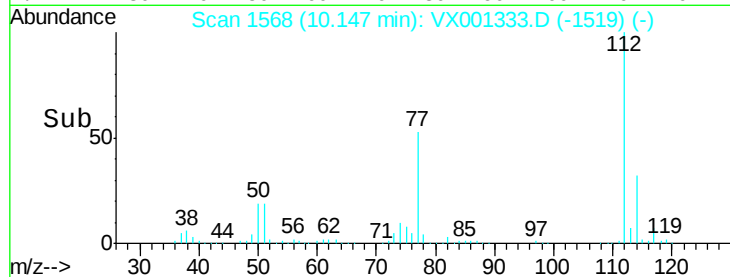
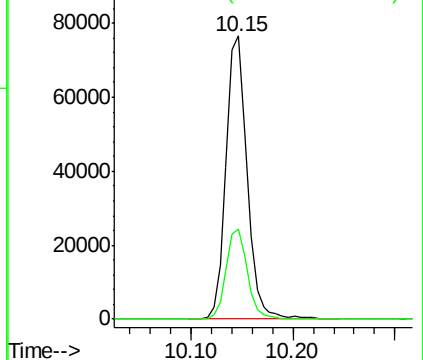
MMDadoda

5/3/2018 12:21:21 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.55 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

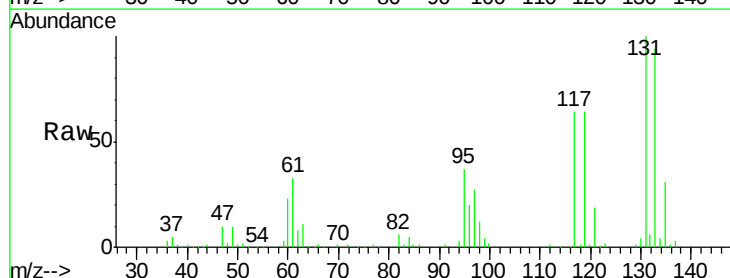
Tgt Ion:131 Resp: 40393

Ion Ratio Lower Upper

131 100

133 94.6 48.3 144.9

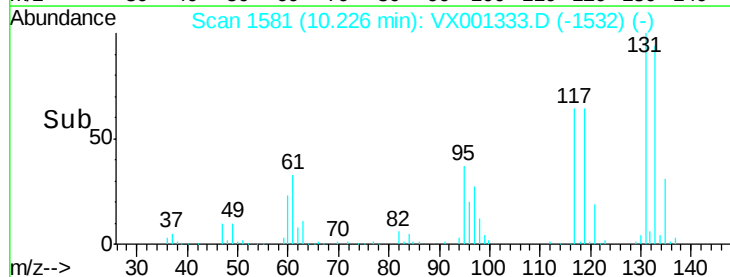
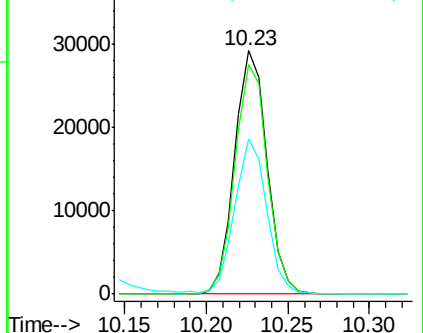
119 63.0 31.2 93.6

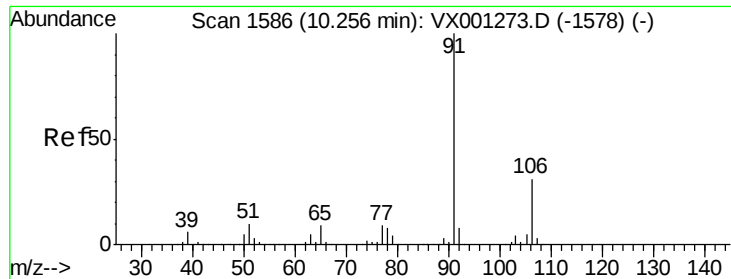


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





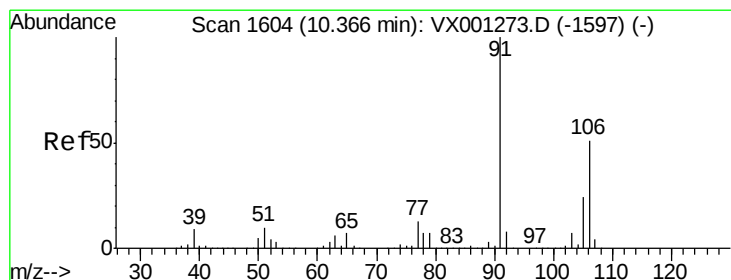
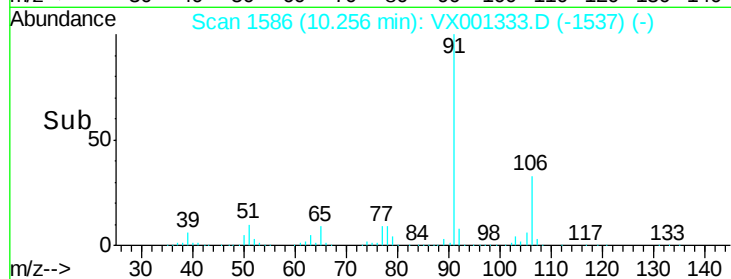
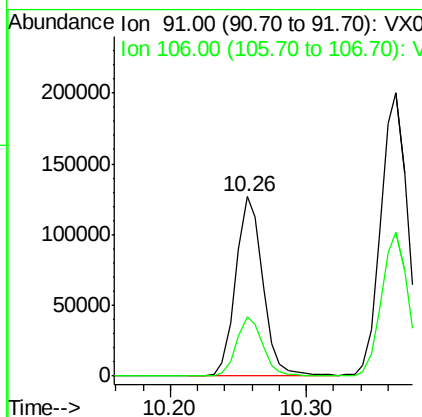
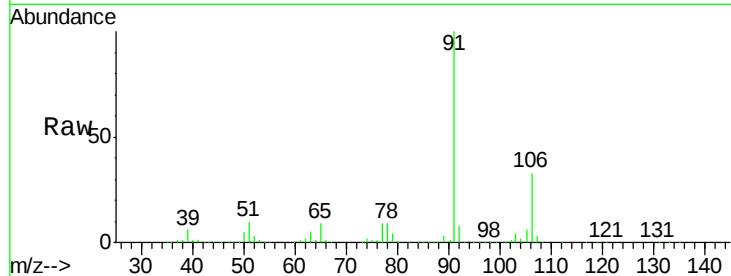
#67
Ethyl Benzene
Concen: 18.93 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Instrument :
MSVOA_X
ClientSampled :
VX0502WBS02

Tot Ion: 91 Resp: 176656
Ion Ratio Lower Upper
91 100
106 33.1 24.9 37.3

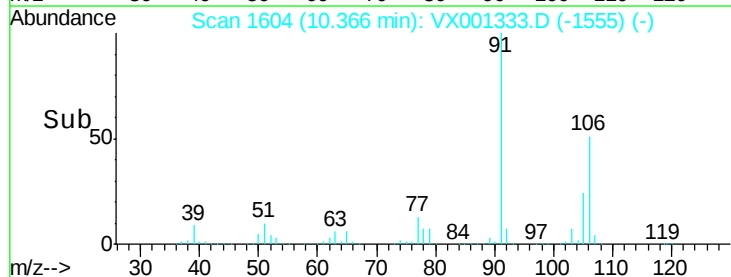
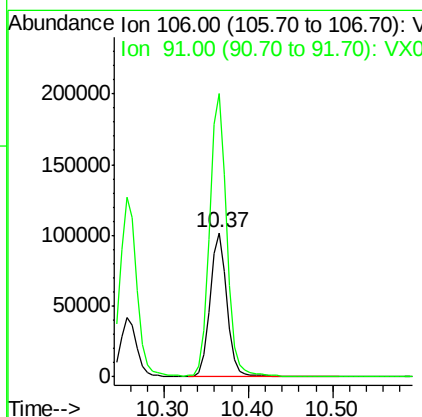
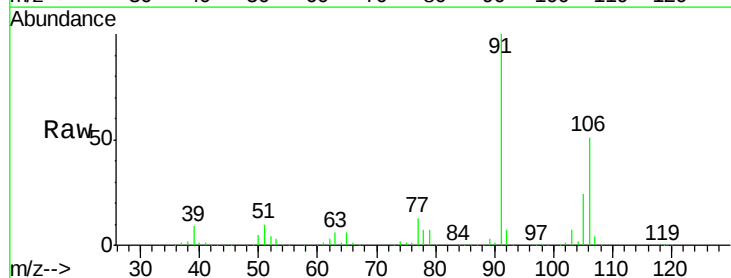
Manual Integrations
APPROVED

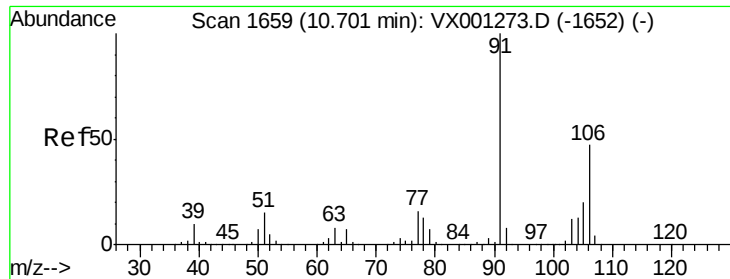
MMDadoda
5/3/2018 12:21:21 PM



#68
m/p-Xylenes
Concen: 38.69 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Tgt Ion: 106 Resp: 142069
Ion Ratio Lower Upper
106 100
91 199.7 159.4 239.2





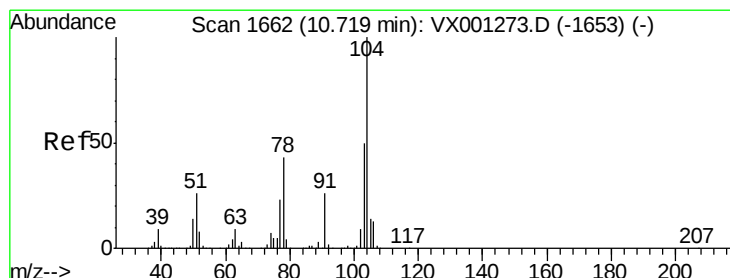
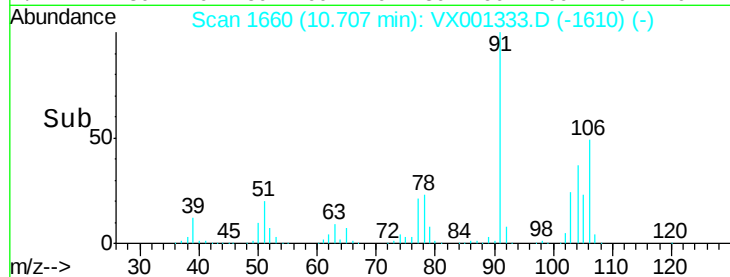
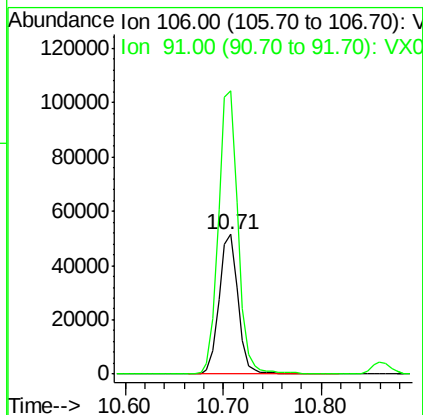
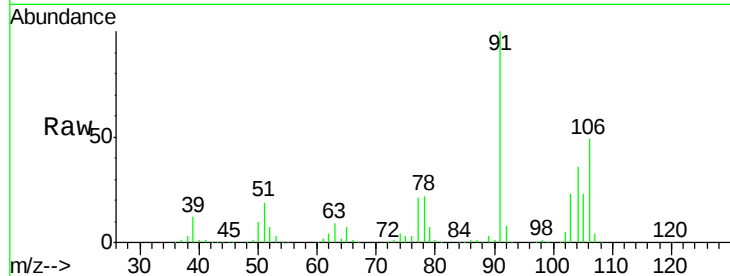
#69
o-Xylene
Concen: 19.56 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS02

Tot Ion:106 Resp: 69647
Ion Ratio Lower Upper
106 100
91 208.7 106.3 319.0

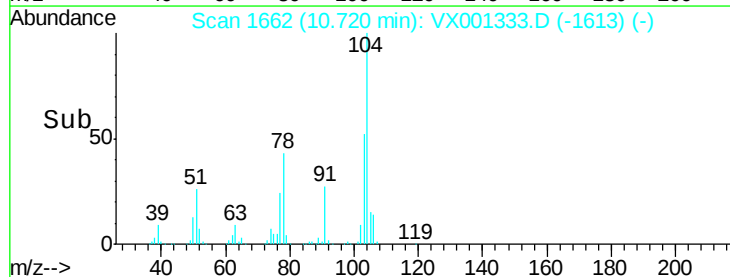
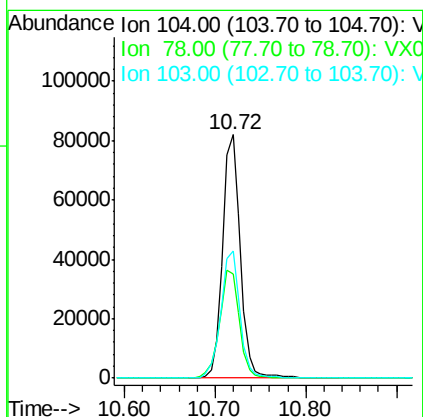
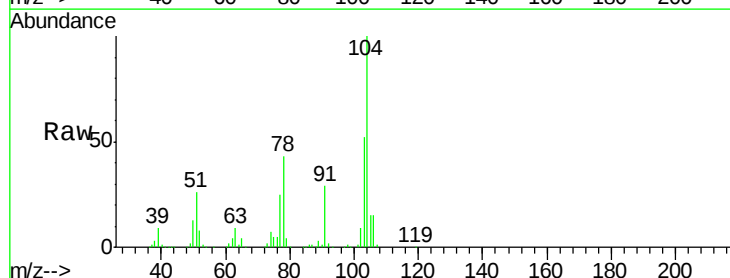
Manual Integrations
APPROVED

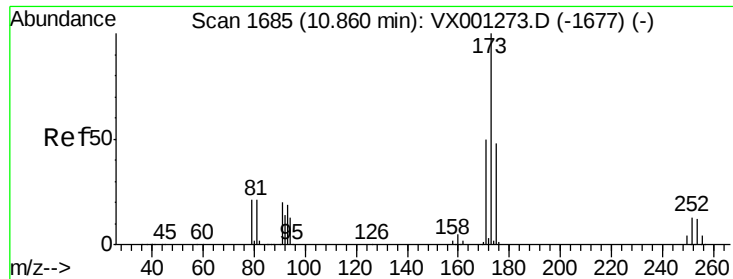
MMDadoda
5/3/2018 12:21:21 PM



#70
Styrene
Concen: 19.18 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Tgt Ion:104 Resp: 111722
Ion Ratio Lower Upper
104 100
78 49.5 40.1 60.1
103 56.5 44.5 66.7





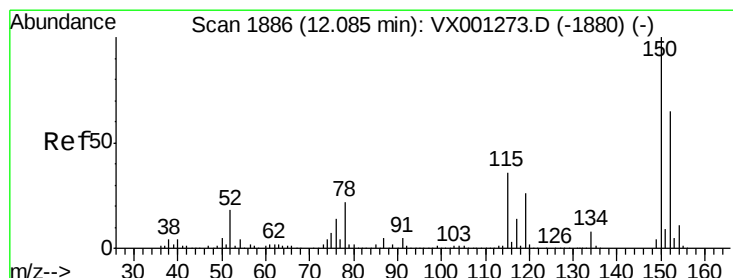
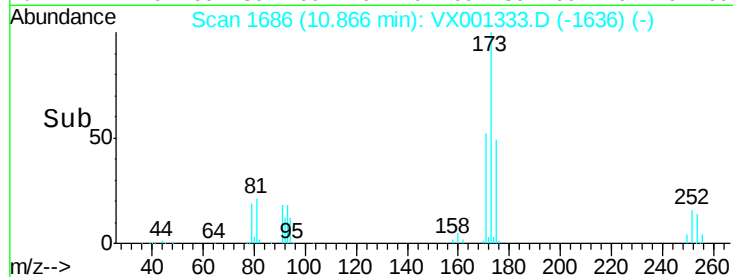
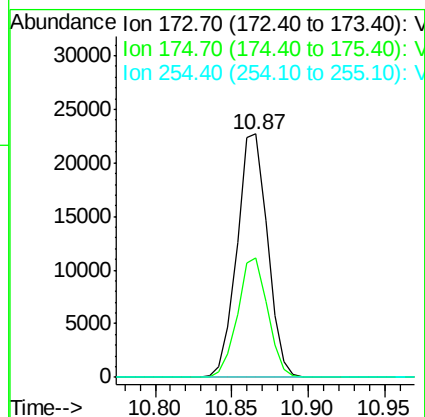
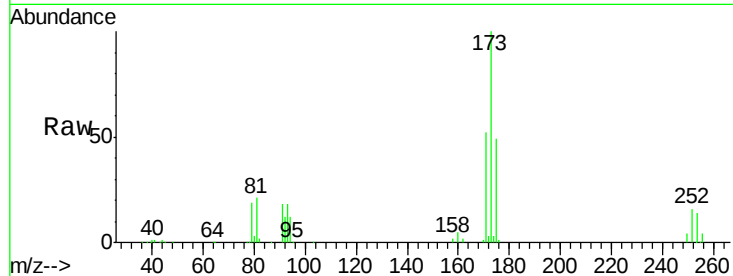
#71
Bromoform
Concen: 19.18 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	74.0
254	0.1	0.2	0.2#

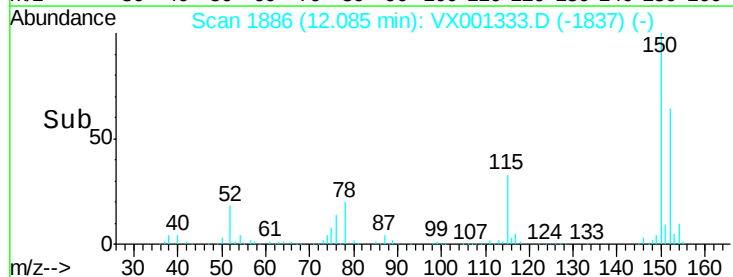
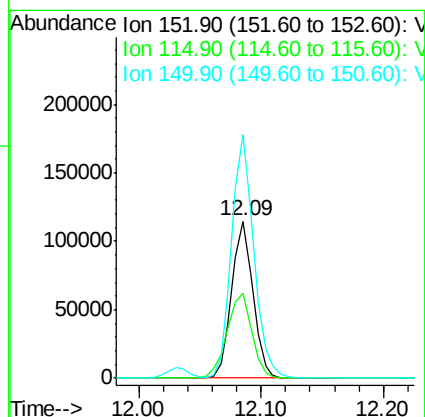
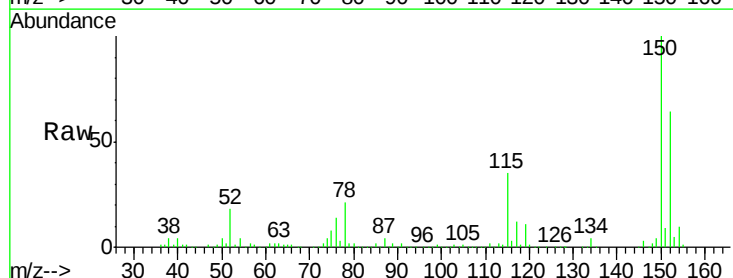
Manual Integrations
APPROVED

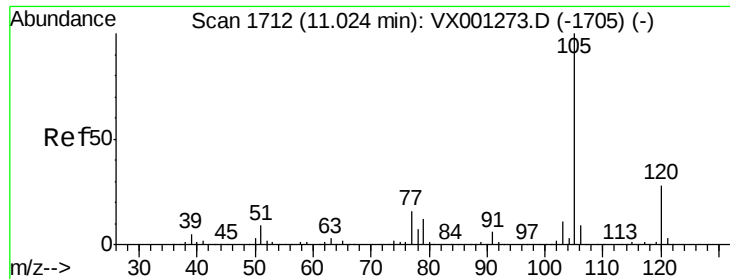
MMDadoda
5/3/2018 12:21:21 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	38.6	115.7
150	162.7	0.0	349.2





#73

Isopropylbenzene

Concen: 20.27 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

ClientSampled :

VX0502WBS02

Tot Ion:105 Resp: 186032

Ion Ratio Lower Upper

105 100

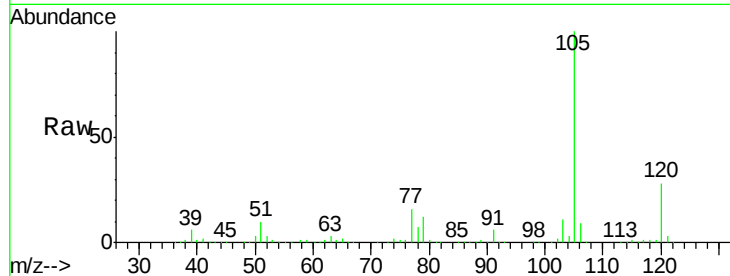
120 27.9 13.7 41.1

Manual Integrations

APPROVED

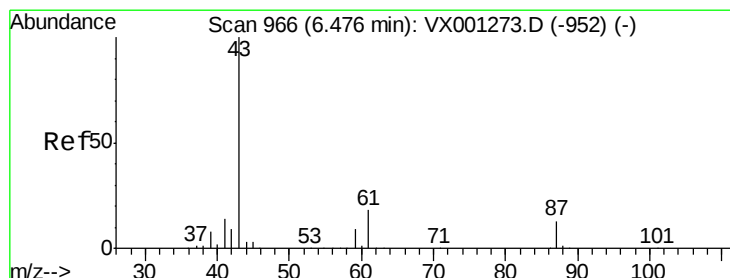
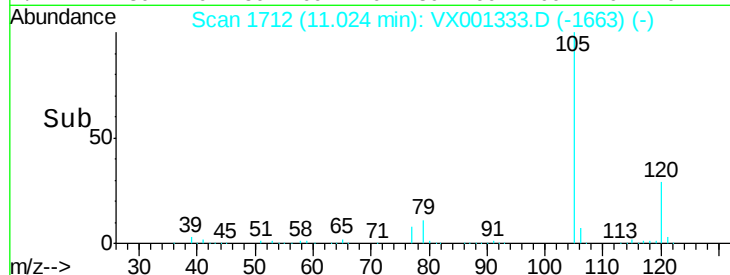
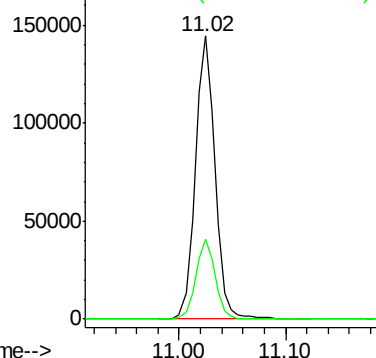
MMDadoda

5/3/2018 12:21:21 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.80 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Tgt Ion: 43 Resp: 85818

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

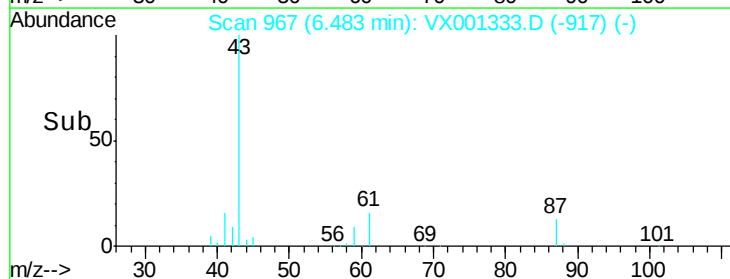
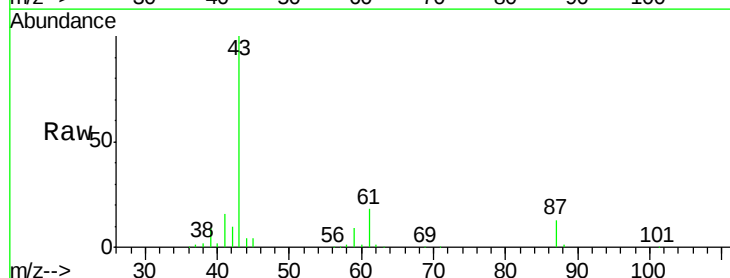
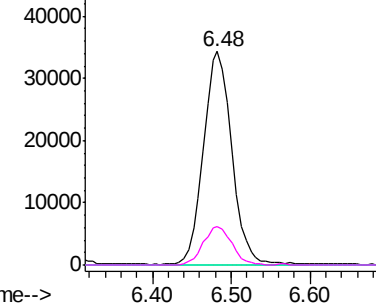
61 18.4 15.0 22.4

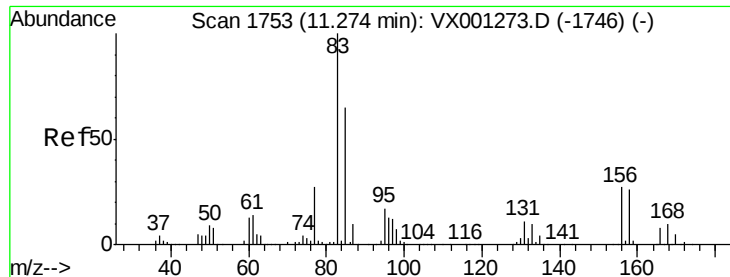
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.85 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

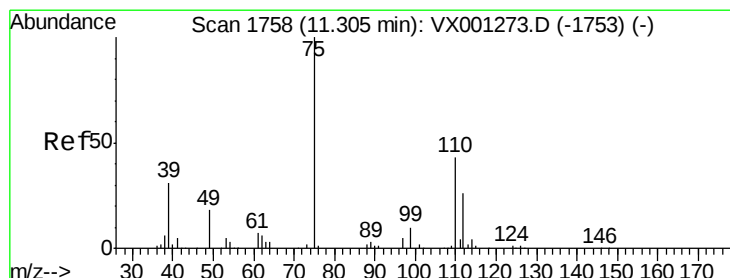
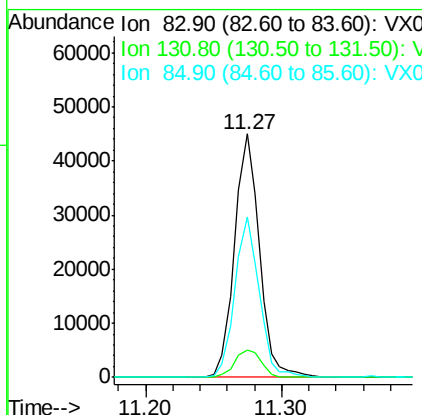
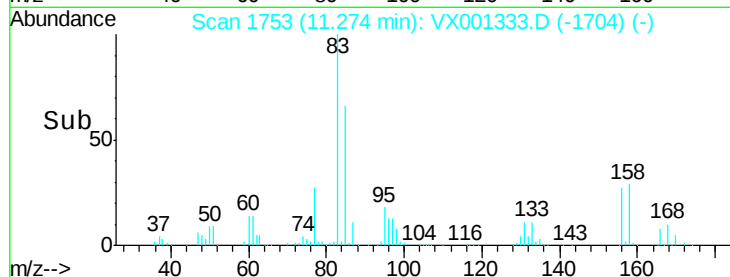
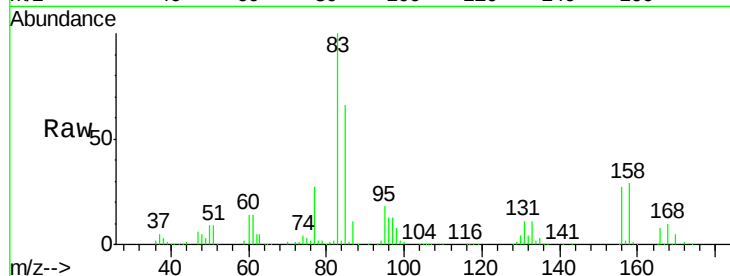
ClientSampled :

VX0502WBS02

Tot Ion:	83	Resp:	57341
Ion	Ratio	Lower	Upper
83	100		
131	12.1	5.8	17.3
85	65.0	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
5/3/2018 12:21:21 PM



#76

1,2,3-Trichloropropane

Concen: 21.38 ug/l m

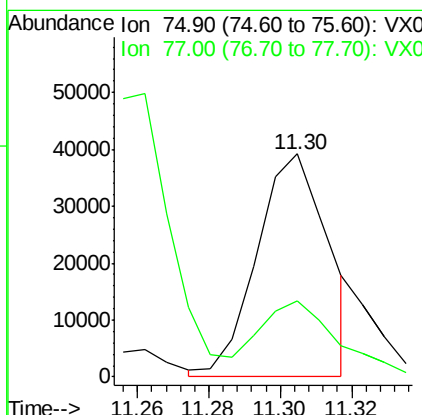
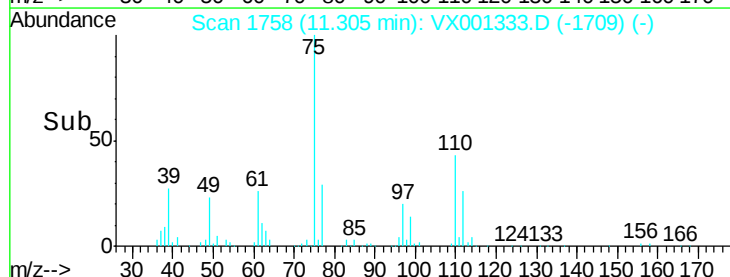
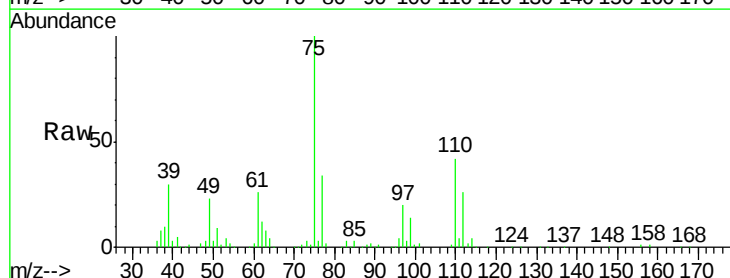
RT: 11.30 min Scan# 1758

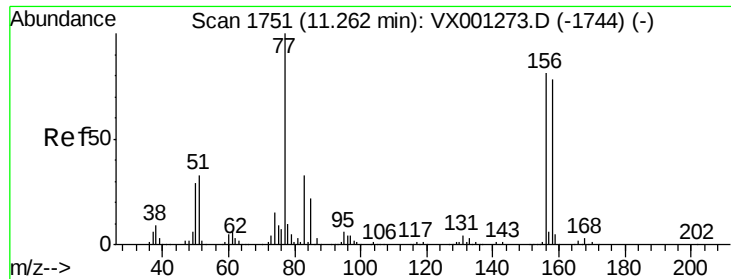
Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Tgt Ion:	75	Resp:	54243
Ion	Ratio	Lower	Upper
75	100		
77	37.3	18.9	56.5





#77

Bromobenzene

Concen: 20.61 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

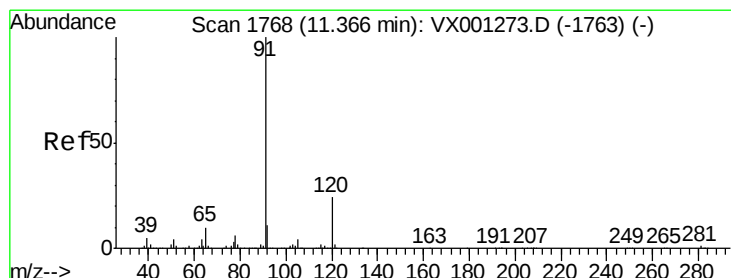
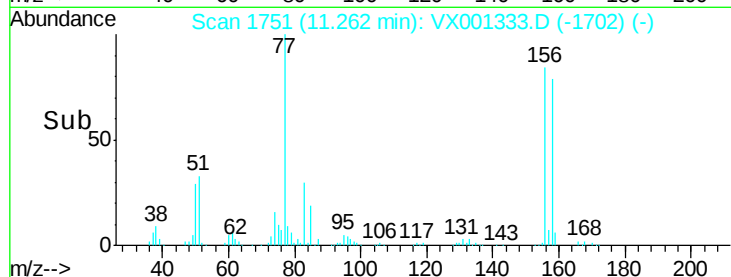
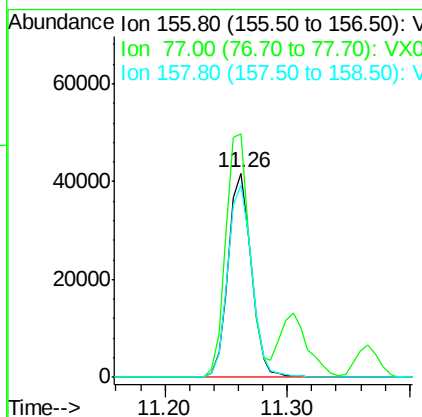
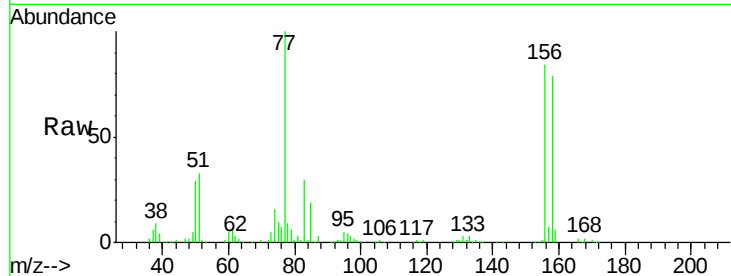
ClientSampled :

VX0502WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	125.1	65.3	195.8
158	98.5	48.5	145.5

Manual Integrations
APPROVED

MMDadoda
5/3/2018 12:21:21 PM



#78

n-propylbenzene

Concen: 19.74 ug/l

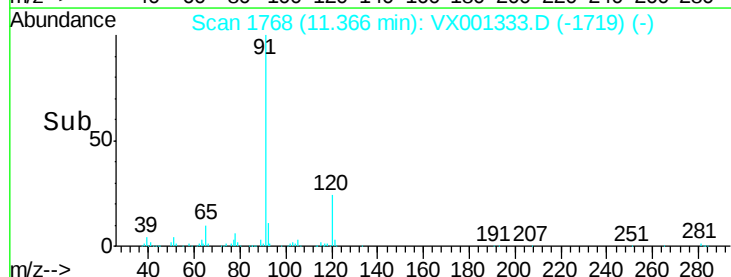
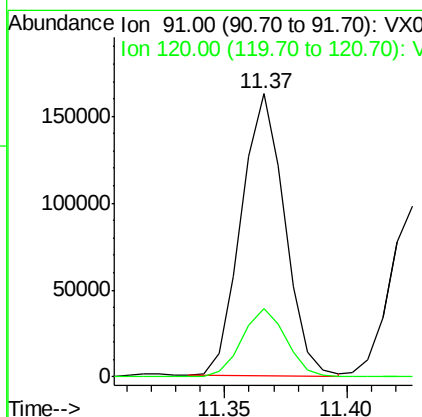
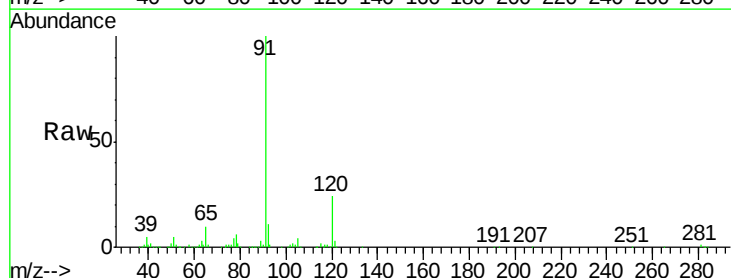
RT: 11.37 min Scan# 1768

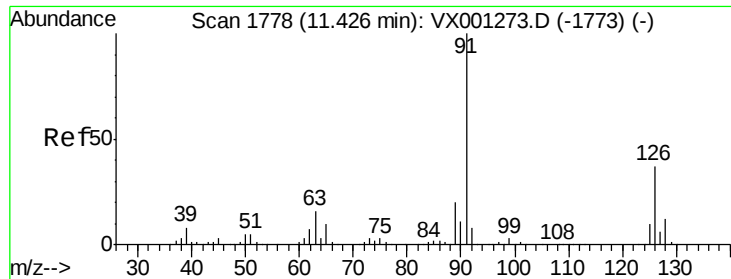
Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.3	36.8





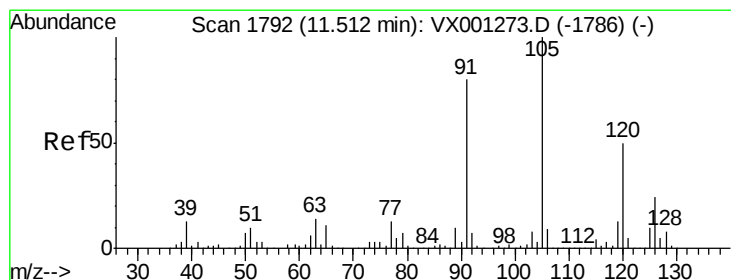
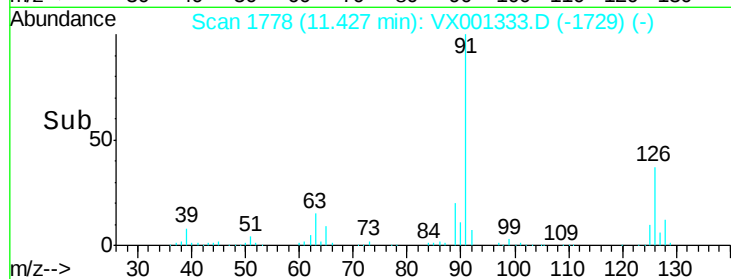
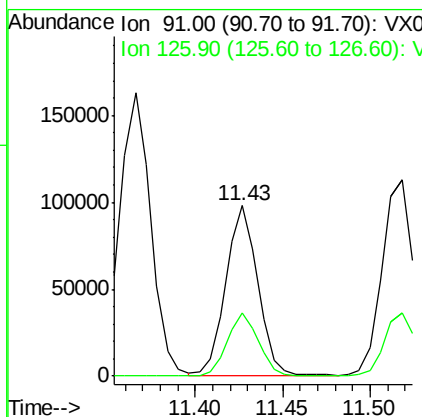
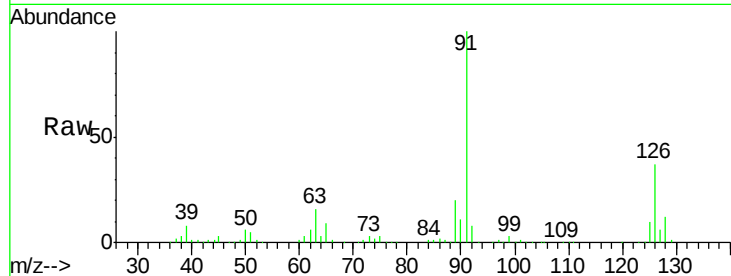
#79
 2-Chlorotoluene
 Concen: 20.13 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX001333.D
 Acq: 02 May 2018 23:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS02

Tot Ion: 91 Resp: 123884
 Ion Ratio Lower Upper
 91 100
 126 36.7 18.4 55.4

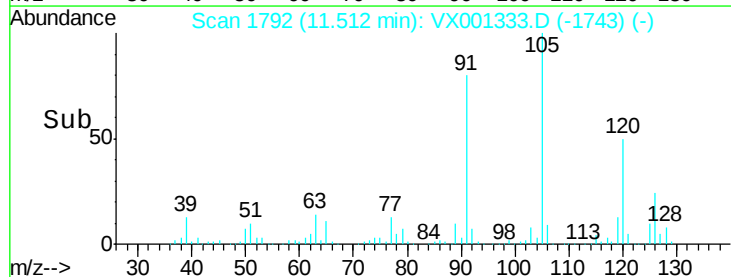
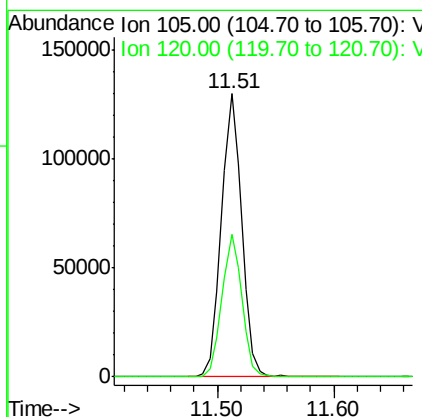
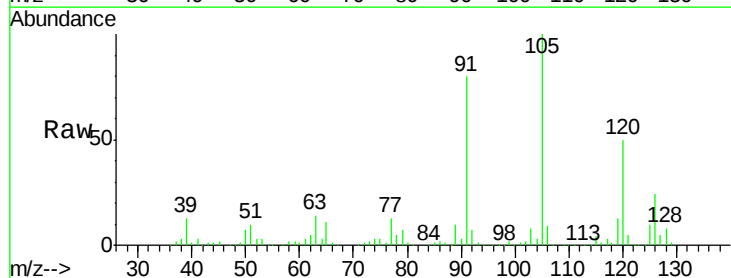
Manual Integrations
 APPROVED

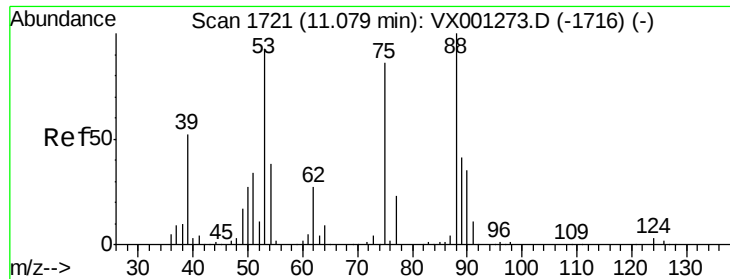
MMDadoda
 5/3/2018 12:21:21 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.30 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX001333.D
 Acq: 02 May 2018 23:24

Tgt Ion: 105 Resp: 156458
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.6 74.0





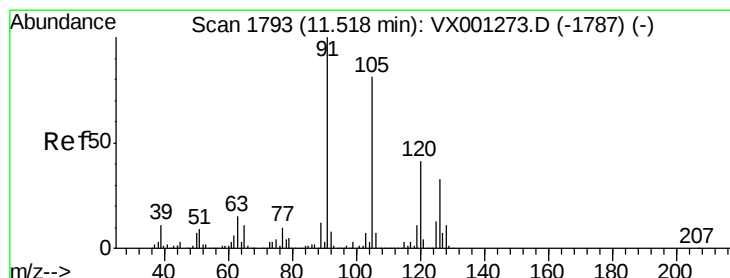
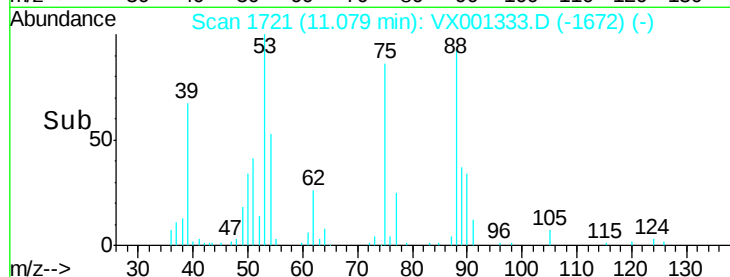
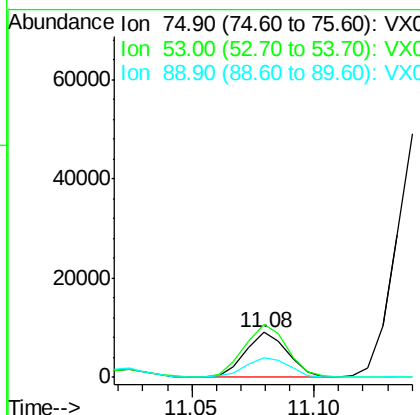
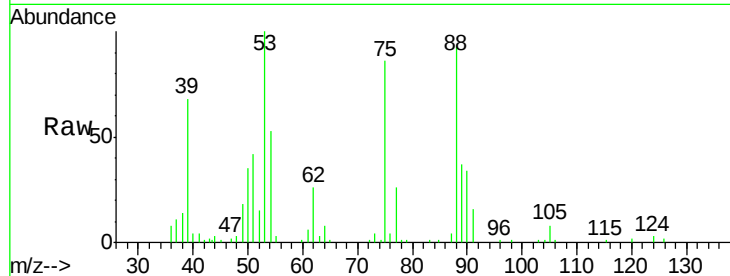
#81
trans-1,4-Dichloro-2-butene
Concen: 17.09 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.2	87.1	130.7
89	46.6	38.9	58.3

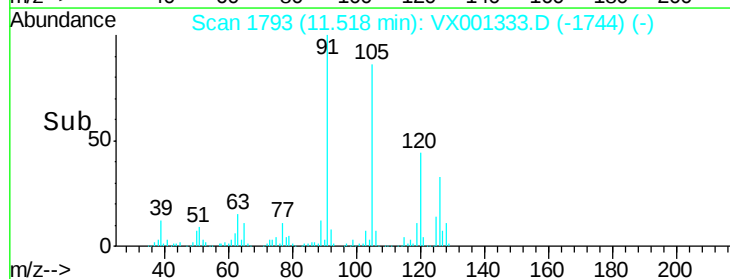
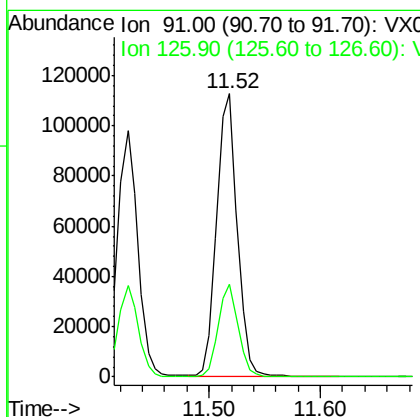
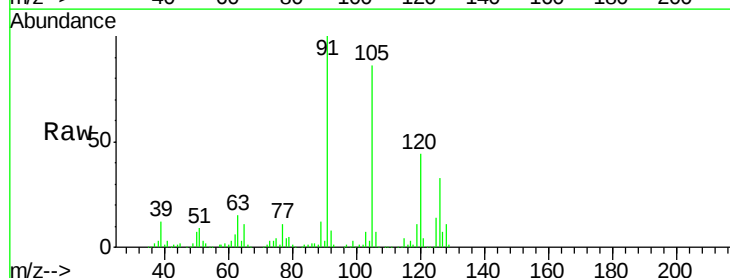
Manual Integrations
APPROVED

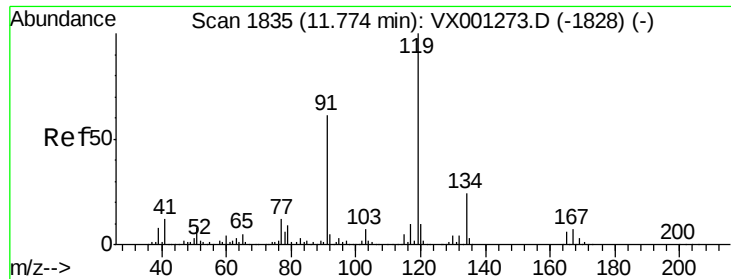
MMDadoda
5/3/2018 12:21:21 PM



#82
4-Chlorotoluene
Concen: 19.61 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.1	48.2





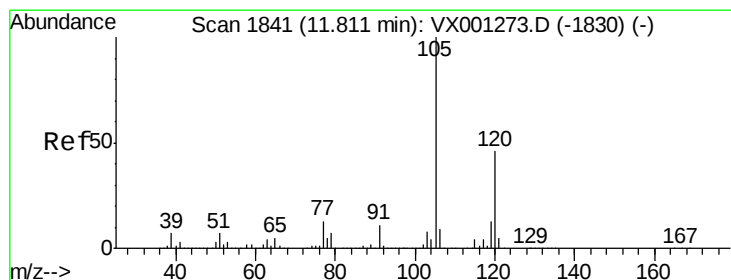
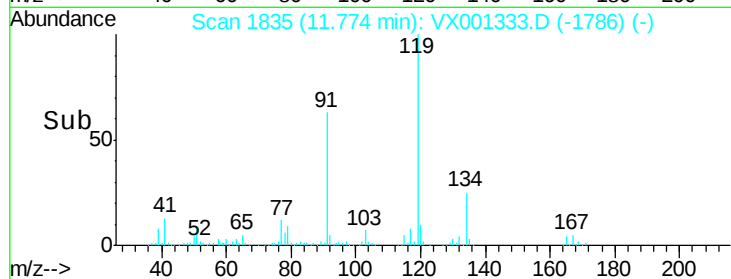
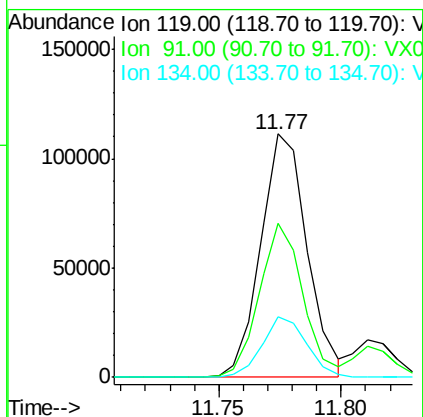
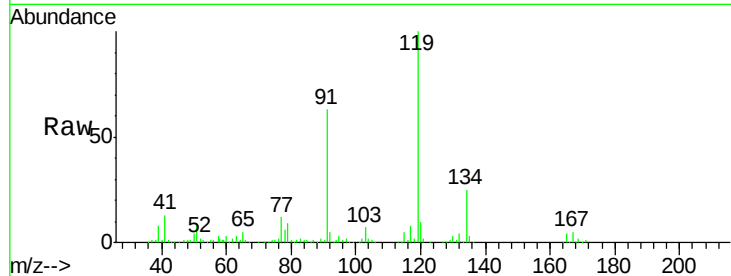
#83
 tert-Butylbenzene
 Concen: 19.28 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001333.D
 Acq: 02 May 2018 23:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	148202		
91	59.2	28.1	84.3	
134	24.0	11.8	35.3	

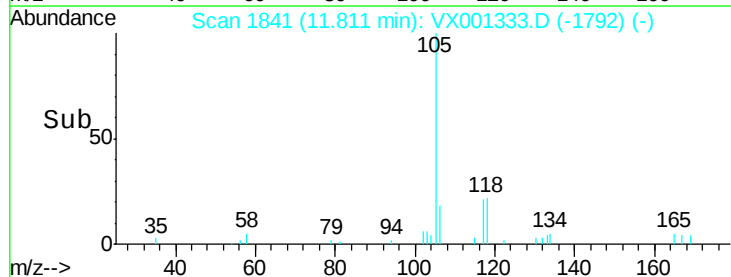
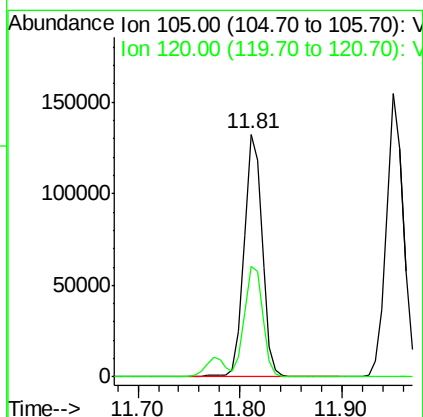
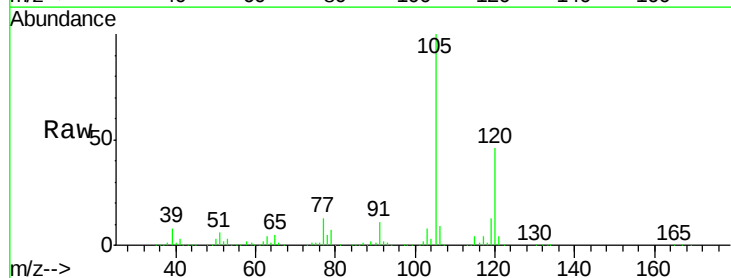
Manual Integrations
 APPROVED

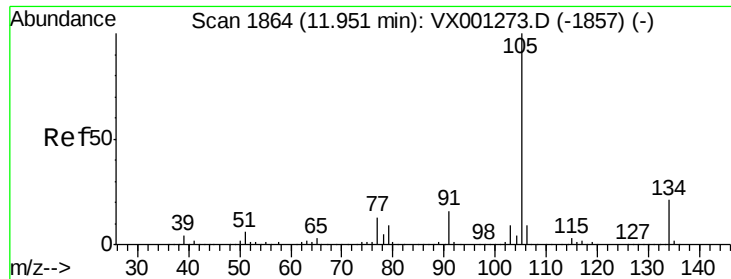
MMDadoda
 5/3/2018 12:21:21 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.51 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001333.D
 Acq: 02 May 2018 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	161985		
120	46.3	22.7	68.1	





#85

sec-Butylbenzene

Concen: 20.14 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

ClientSampled :

VX0502WBS02

Tot Ion:105 Resp: 185223

Ion Ratio Lower Upper

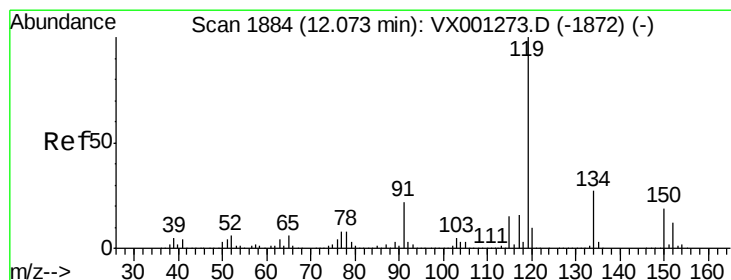
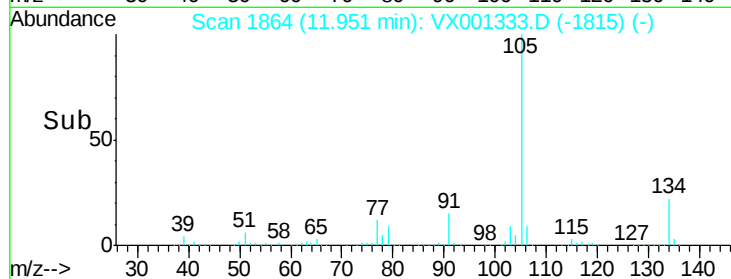
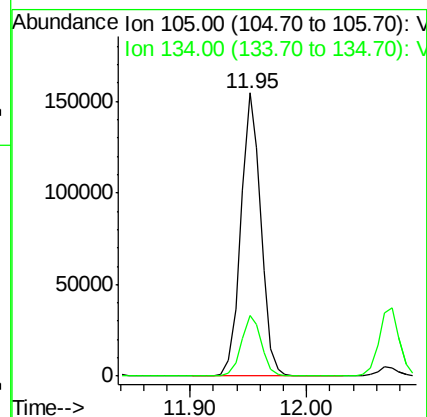
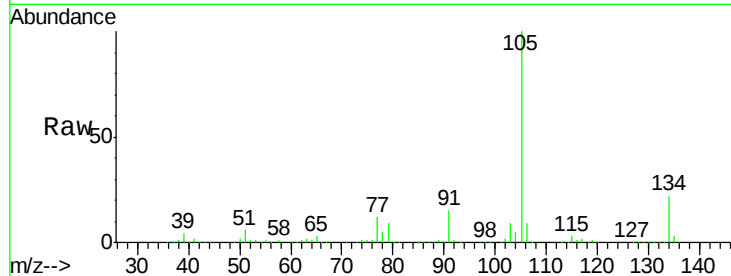
105 100

134 21.5 10.7 31.9

Manual Integrations
APPROVED

MMDadoda

5/3/2018 12:21:21 PM



#86

p-Isopropyltoluene

Concen: 19.79 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

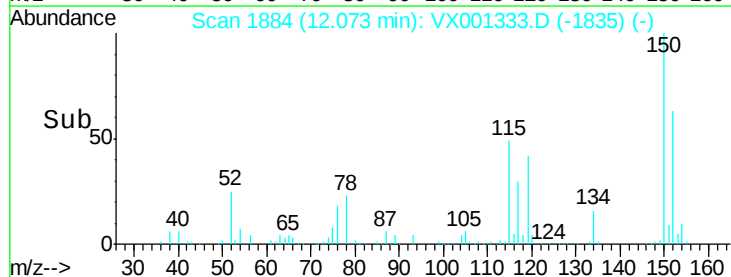
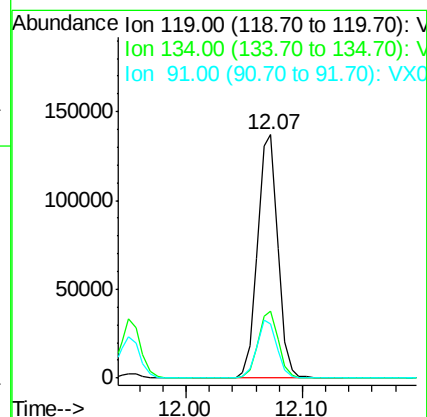
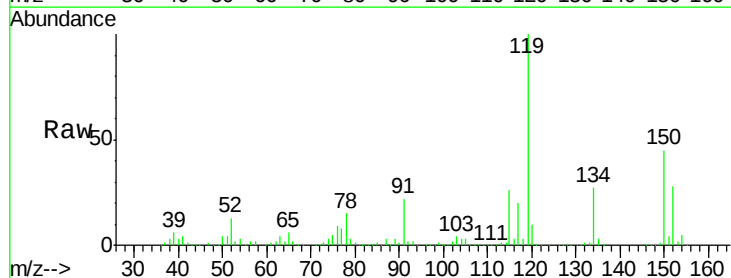
Tgt Ion:119 Resp: 166939

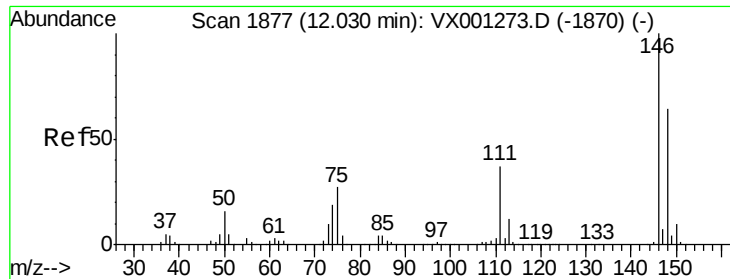
Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.7

91 23.7 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 19.52 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

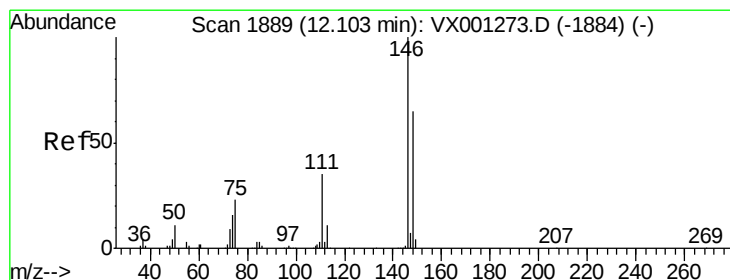
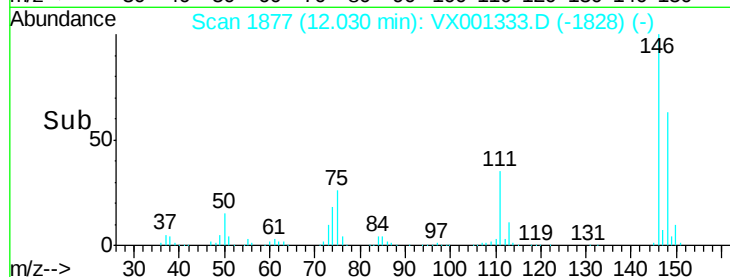
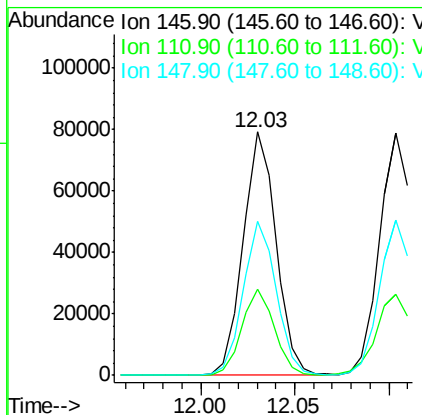
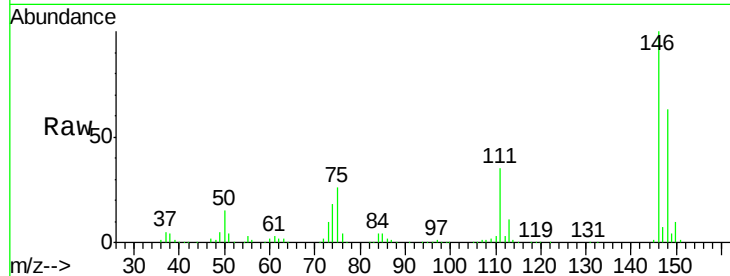
ClientSampled :

VX0502WBS02

Tot Ion:	146	Resp:	96467
Ion Ratio	Lower	Upper	
146	100		
111	34.8	18.4	55.2
148	63.3	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
5/3/2018 12:21:21 PM



#88

1,4-Dichlorobenzene

Concen: 19.12 ug/l

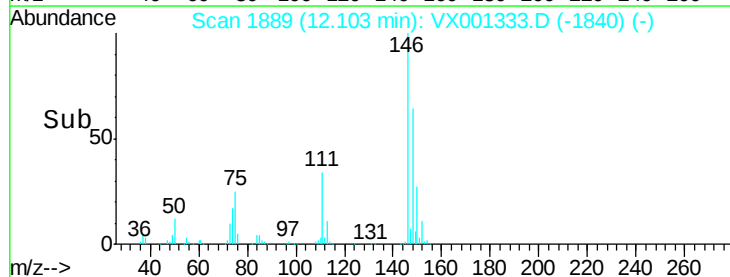
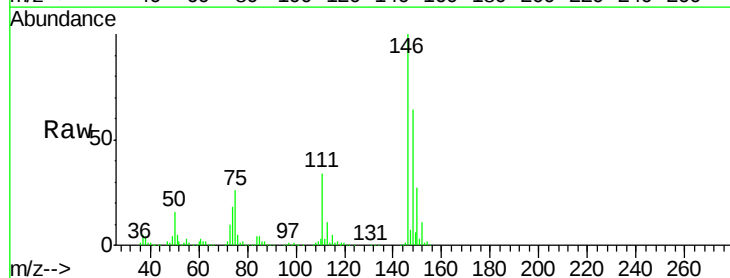
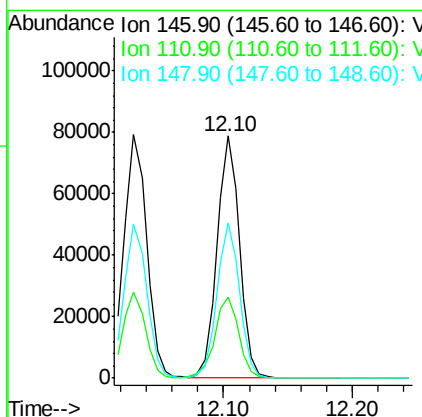
RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Tgt Ion:	146	Resp:	97409
Ion Ratio	Lower	Upper	
146	100		
111	36.0	17.9	53.7
148	64.6	32.3	96.8





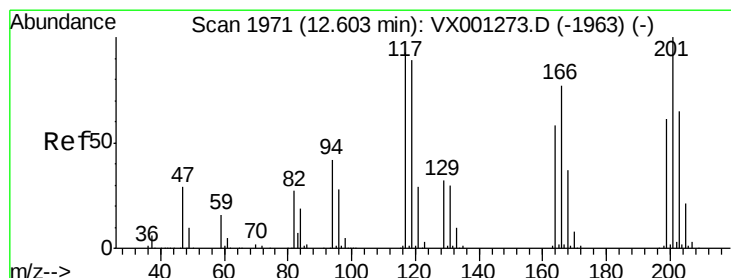
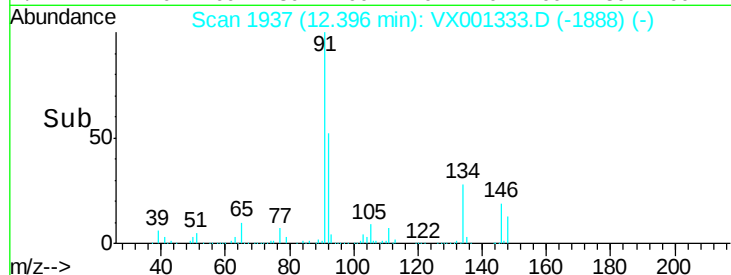
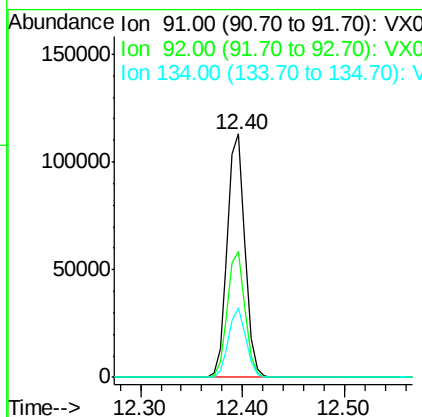
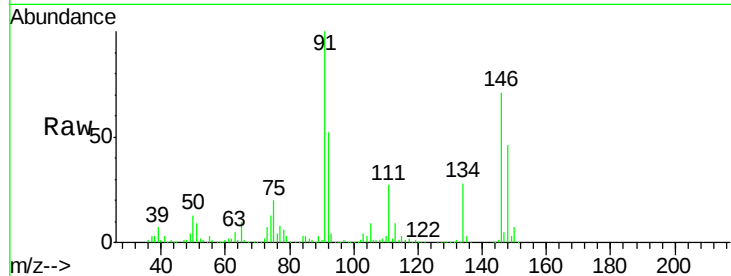
#89
n-Butylbenzene
Concen: 18.30 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Instrument :
MSVOA_X
ClientSampled :
VX0502WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.2	78.5
134	27.8	14.0	42.0

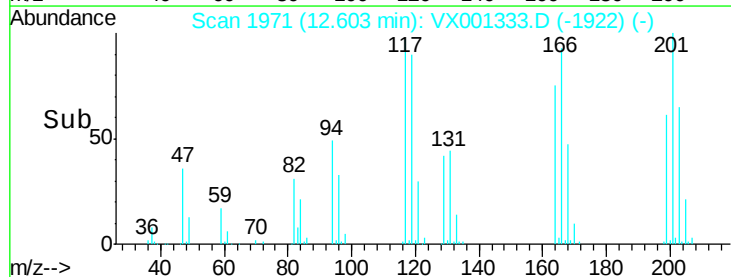
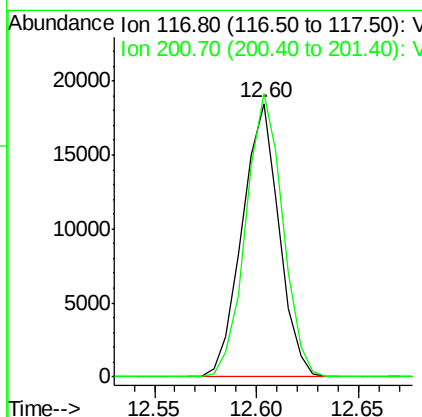
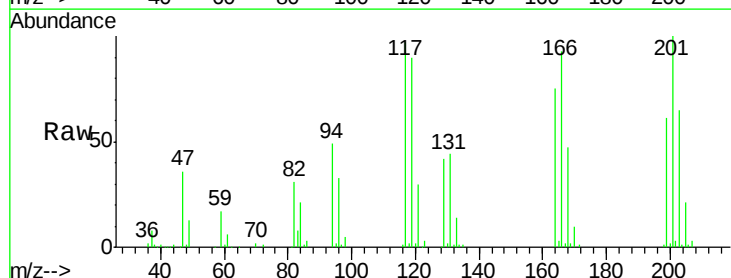
Manual Integrations
APPROVED

MMDadoda
5/3/2018 12:21:21 PM



#90
Hexachloroethane
Concen: 18.98 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001333.D
Acq: 02 May 2018 23:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	103.5	51.6	154.8





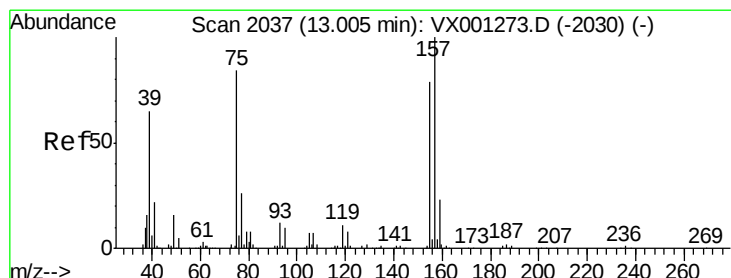
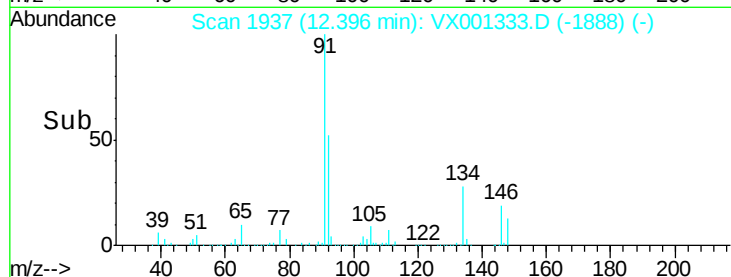
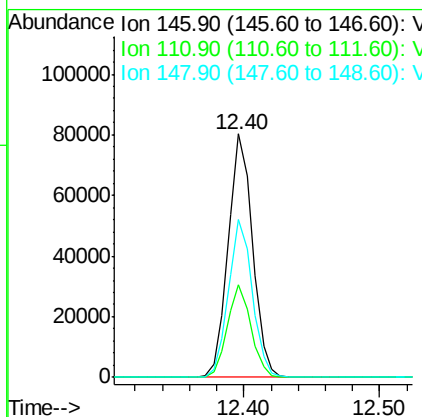
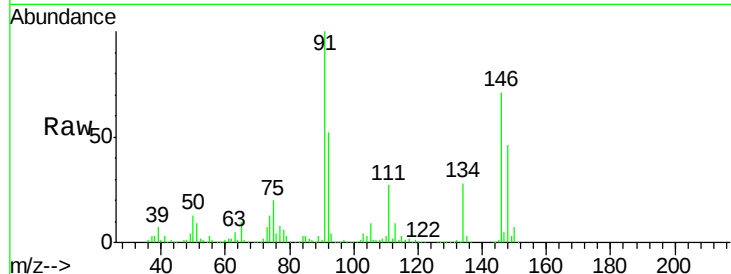
#91
 1,2-Dichlorobenzene
 Concen: 20.33 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001333.D
 Acq: 02 May 2018 23:24

Instrument :
 MSVOA_X
 ClientSampled :
 VX0502WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.5
148	63.4	32.4	97.0

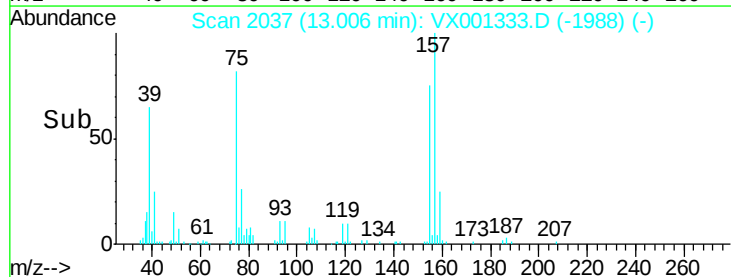
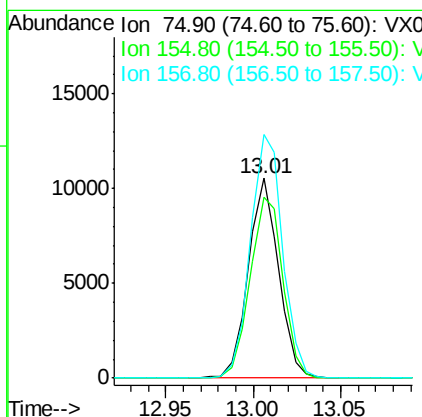
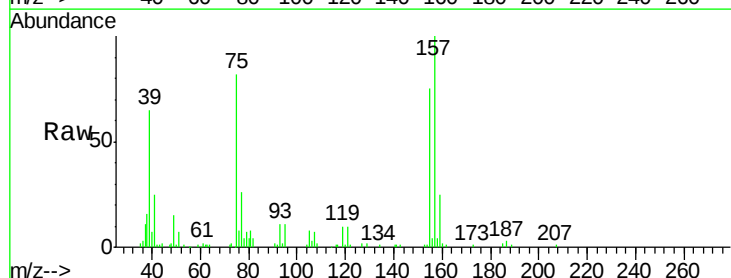
Manual Integrations
 APPROVED

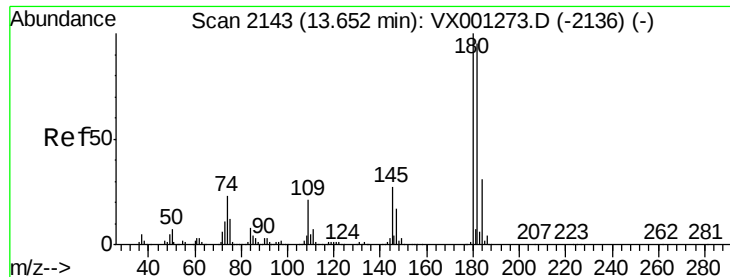
MMDadoda
 5/3/2018 12:21:21 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.75 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001333.D
 Acq: 02 May 2018 23:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.2	49.9	149.7
157	129.7	63.7	191.1





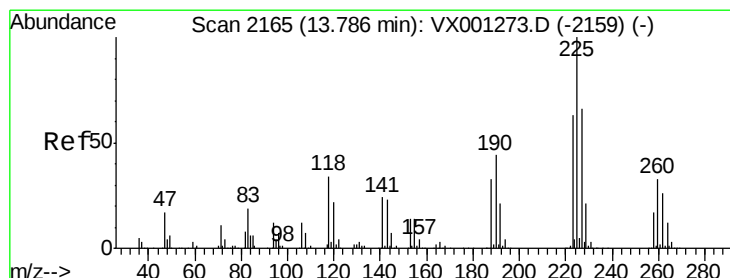
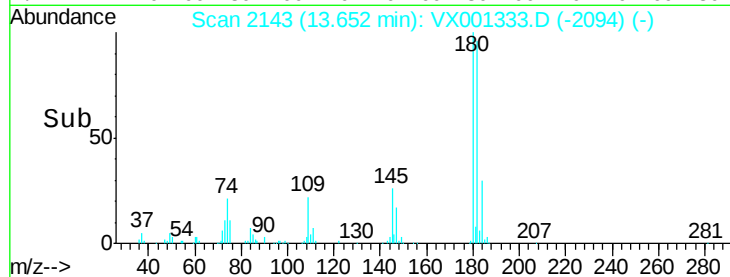
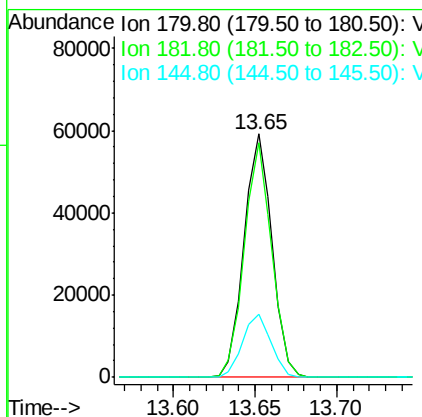
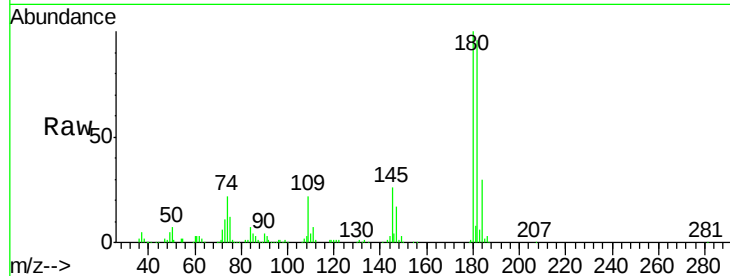
#93
 1,2,4-Trichlorobenzene
 Concen: 17.91 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001333.D
 Acq: 02 May 2018 23:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	141.9
145	26.5	13.5	40.4

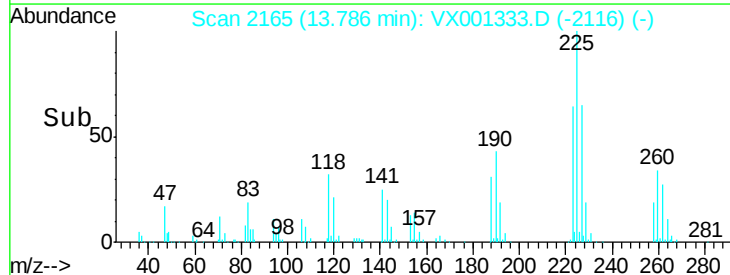
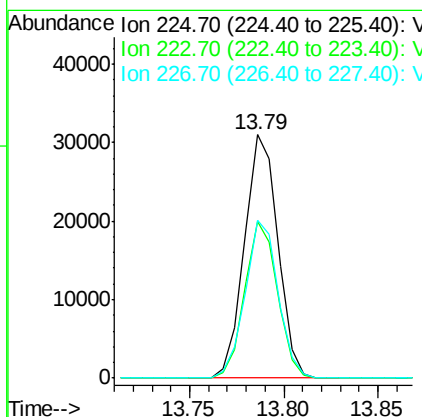
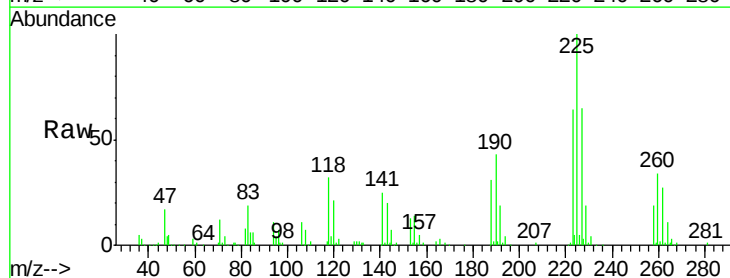
Manual Integrations
 APPROVED

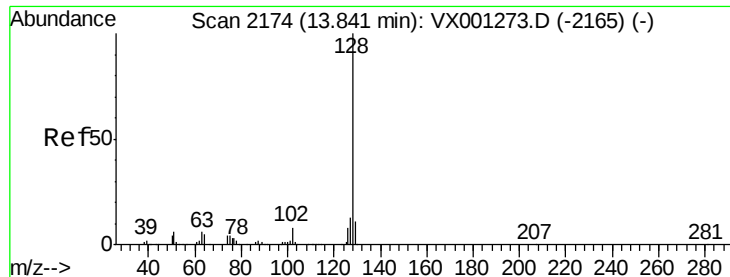
MMDadoda
 5/3/2018 12:21:21 PM



#94
 Hexachlorobutadiene
 Concen: 18.49 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001333.D
 Acq: 02 May 2018 23:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.4	94.0
227	63.5	32.5	97.5





#95

Naphthalene

Concen: 20.78 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Instrument :

MSVOA_X

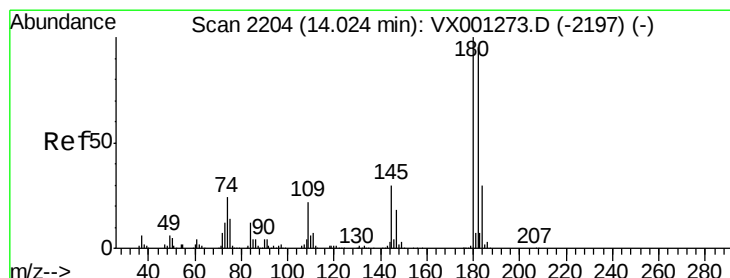
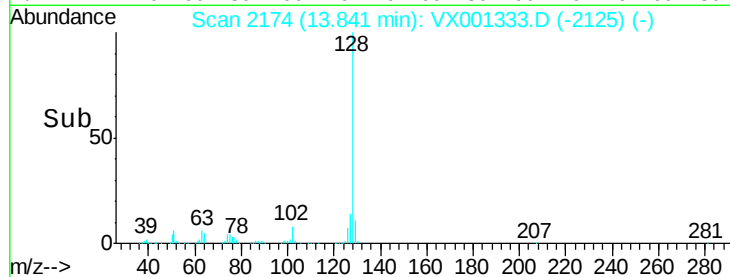
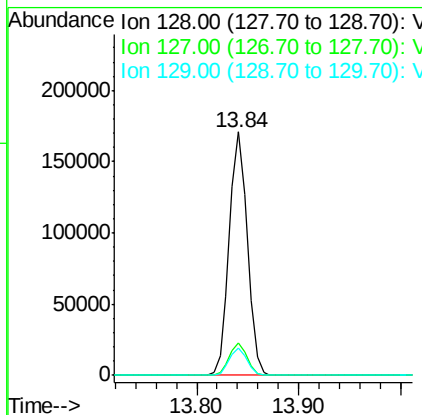
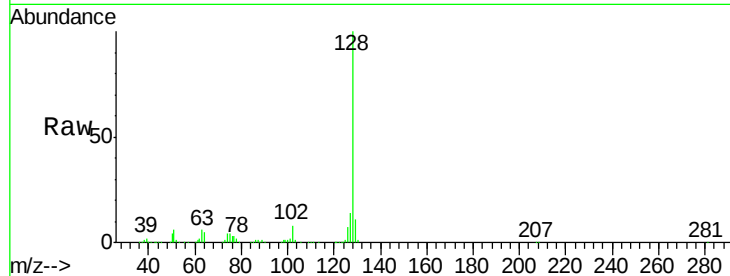
ClientSampled :

VX0502WBS02

Tot Ion:	128	Resp:	208618
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/3/2018 12:21:21 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.52 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001333.D

Acq: 02 May 2018 23:24

Tgt Ion:	180	Resp:	75832
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.1	144.3
145	28.9	14.4	43.4

