

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050418\
 Data File : VX001406.D
 Acq On : 04 May 2018 19:26
 Operator : JC/MD
 Sample : VX0504MBS01
 Misc : 5.00µl/10mL/100µL/5mL/MSVOA_X/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2018 7:28:04 PM

Quant Time: May 05 06:42:37 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	134144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	179454	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	170867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	111371	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	97968	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
35) Dibromofluoromethane	5.51	113	81378	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
50) Toluene-d8	8.72	98	283493	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	11.14	95	103881	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	29347	19.776	ug/l	96
3) Chloromethane	1.32	50	30196	20.727	ug/l	99
4) Vinyl Chloride	1.40	62	32297	21.061	ug/l	98
5) Bromomethane	1.64	94	27530	23.220	ug/l	98
6) Chloroethane	1.72	64	22105	22.802	ug/l	96
7) Trichlorofluoromethane	1.93	101	57445	22.195	ug/l	96
8) Diethyl Ether	2.19	74	22970	25.848	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	32121	21.524	ug/l	97
10) Methyl Iodide	2.51	142	45754	30.024	ug/l	99
11) Tert butyl alcohol	3.09	59	54212	169.692	ug/l	99
12) 1,1-Dichloroethene	2.37	96	29229	21.722	ug/l	100
13) Acrolein	2.30	56	13408	72.891	ug/l	96
14) Allyl chloride	2.73	41	54929	23.332	ug/l	99
15) Acrylonitrile	3.15	53	113392	153.140	ug/l	100
16) Acetone	2.45	43	108400	136.760	ug/l	97
17) Carbon Disulfide	2.57	76	59100	16.858	ug/l	97
18) Methyl Acetate	2.78	43	63179	33.749	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	117743	25.689	ug/l	98
20) Methylene Chloride	2.86	84	36574	24.769	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	31978	21.834	ug/l	96
22) Diisopropyl ether	3.89	45	115955	25.574	ug/l	98
23) Vinyl Acetate	3.84	43	514271	133.848	ug/l	100
24) 1,1-Dichloroethane	3.70	63	63106	24.985	ug/l	99
25) 2-Butanone	4.73	43	148870	138.907	ug/l	98
26) 2,2-Dichloropropane	4.59	77	36425	17.723	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	34977	21.729	ug/l	95
28) Bromochloromethane	5.03	49	29683	26.144	ug/l	97
29) Tetrahydrofuran	5.18	42	94224	142.953	ug/l	99
30) Chloroform	5.23	83	61158	22.909	ug/l	99
31) Cyclohexane	5.58	56	40359	17.693	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	48920	20.965	ug/l	100
36) 1,1-Dichloropropene	5.81	75	38257	18.471	ug/l	100
37) Ethyl Acetate	4.88	43	54528	26.073	ug/l	99
38) Carbon Tetrachloride	5.79	117	42395	19.538	ug/l	96

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050418\
 Data File : VX001406.D
 Acq On : 04 May 2018 19:26
 Operator : JC/MD
 Sample : VX0504MBS01
 Misc : 5.00µl/10mL/100µL/5mL/MSVOA_X/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0504MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2018 7:28:04 PM

Quant Time: May 05 06:42:37 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	41931	17.118	ug/l	97
40) Benzene	6.15	78	124546	20.904	ug/l	99
41) Methacrylonitrile	5.08	41	30693	25.198	ug/l	98
42) 1,2-Dichloroethane	6.21	62	50857	22.046	ug/l	98
43) Isopropyl Acetate	6.48	43	81187	23.978	ug/l	99
44) Trichloroethene	7.22	130	39124	21.452	ug/l	100
45) 1,2-Dichloropropane	7.53	63	33370	21.810	ug/l	98
46) Dibromomethane	7.67	93	24458	22.805	ug/l	99
47) Bromodichloromethane	7.91	83	42131	21.971	ug/l	99
48) Methyl methacrylate	7.79	41	43012	23.897	ug/l	98
49) 1,4-Dioxane	7.77	88	20367	599.626	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	301762	138.243	ug/l	100
52) Toluene	8.79	92	79883	20.511	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	46496	20.389	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	41518	19.789	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	37560	23.874	ug/l	98
56) Ethyl methacrylate	9.19	69	50463	23.149	ug/l	98
57) 1,3-Dichloropropane	9.38	76	59736	23.606	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	131915	125.430	ug/l	99
59) 2-Hexanone	9.51	43	232194	136.098	ug/l	100
60) Dibromochloromethane	9.59	129	35928	21.892	ug/l	99
61) 1,2-Dibromoethane	9.68	107	38960	23.365	ug/l	99
64) Tetrachloroethene	9.34	164	47478	23.454	ug/l	97
65) Chlorobenzene	10.15	112	96269	20.717	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	36080	22.367	ug/l	98
67) Ethyl Benzene	10.26	91	149629	19.540	ug/l	99
68) m/p-Xylenes	10.37	106	119659	39.712	ug/l	99
69) o-Xylene	10.71	106	59251	20.275	ug/l	100
70) Styrene	10.72	104	96624	20.217	ug/l	99
71) Bromoform	10.87	173	29918	21.618	ug/l #	98
73) Isopropylbenzene	11.02	105	155832	20.915	ug/l	99
74) N-amyl acetate	6.48	43	81187	25.401	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	54396	24.369	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	52813m	25.645	ug/l	
77) Bromobenzene	11.26	156	48097	22.381	ug/l	97
78) n-propylbenzene	11.37	91	172743	20.862	ug/l	100
79) 2-Chlorotoluene	11.43	91	105692	21.155	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	132566	21.186	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	11368	20.705	ug/l	88
82) 4-Chlorotoluene	11.52	91	123771	20.596	ug/l	99
83) tert-Butylbenzene	11.77	119	129994	20.835	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	138458	21.595	ug/l	100
85) sec-Butylbenzene	11.95	105	156003	20.898	ug/l	100
86) p-Isopropyltoluene	12.07	119	144041	21.034	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	83117	20.713	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	83332	20.145	ug/l	99
89) n-Butylbenzene	12.40	91	114708	19.192	ug/l	99
90) Hexachloroethane	12.60	117	20501	20.673	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	87478	21.907	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	12593	27.915	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050418\
Data File : VX001406.D
Acq On : 04 May 2018 19:26
Operator : JC/MD
Sample : VX0504MBS01
Misc : 5.00g/10mL/100uL/5mL/MSVOA_X/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0504MBS01

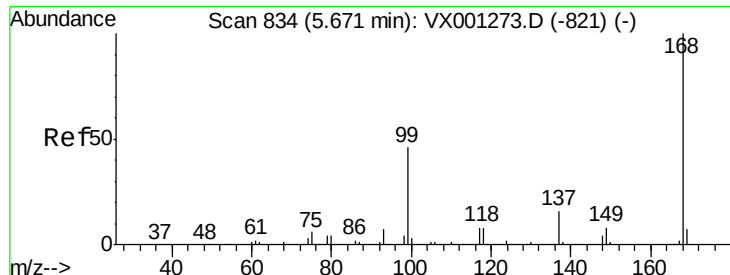
Manual Integrations
APPROVED

MMDadoda
5/7/2018 7:28:04 PM

Quant Time: May 05 06:42:37 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	61872	19.260	ug/l	99
94) Hexachlorobutadiene	13.79	225	33634	20.011	ug/l	100
95) Naphthalene	13.84	128	193485	23.740	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	66408	21.058	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

VX0504MBS01

Tot Ion:168 Resp: 134144

Ion Ratio Lower Upper

168 100

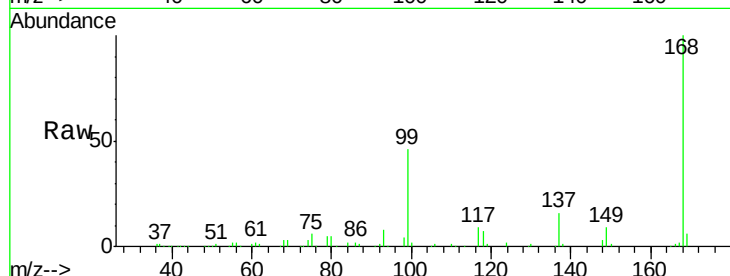
99 45.9 36.5 54.7

Manual Integrations

APPROVED

MMDadoda

5/7/2018 7:28:04 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

5.67

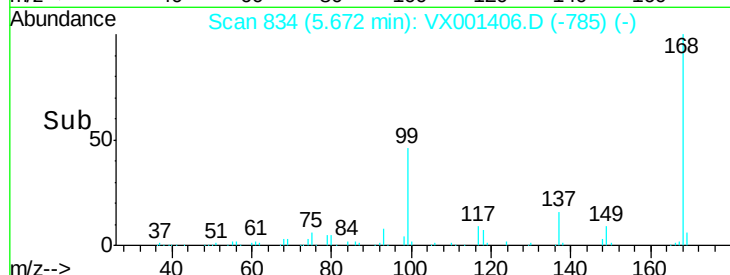
5.67

5.67

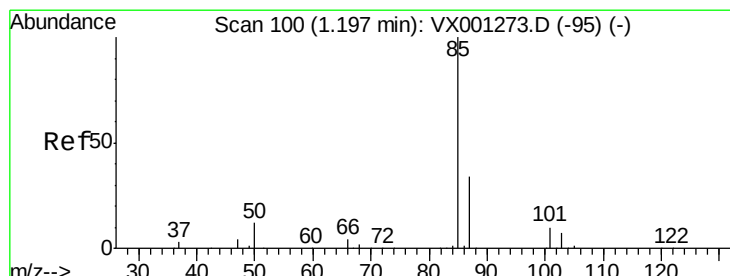
5.67

5.67

5.67



Time-->



#2

Dichlorodifluoromethane

Concen: 19.776 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001406.D

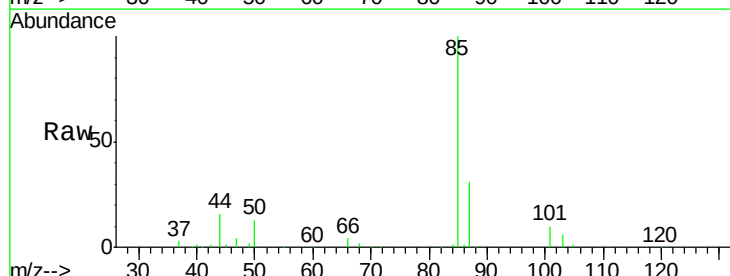
Acq: 04 May 2018 19:26

Tgt Ion: 85 Resp: 29347

Ion Ratio Lower Upper

85 100

87 31.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

1.20

1.20

1.20

1.20

1.20

1.20

1.20

1.20

1.20

1.20

1.20

1.20

1.20

1.20

1.20

1.20

1.20

1.20

1.20

1.20

1.20

1.20

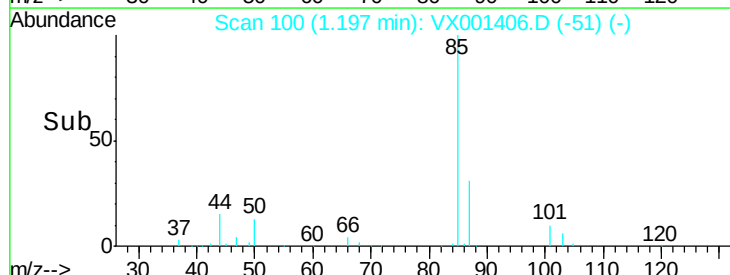
1.20

1.20

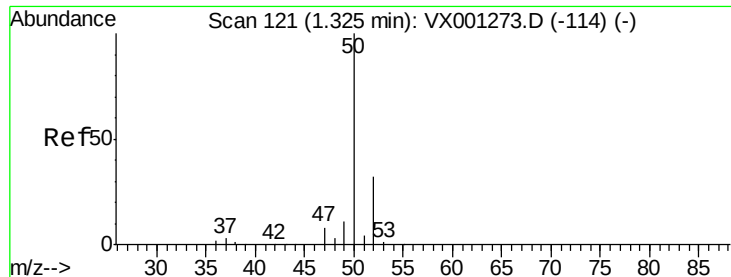
1.20

1.20

1.20



Time-->



#3

Chloromethane

Concen: 20.727 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

VX0504MBS01

Tot Ion: 50 Resp: 30196

Ion Ratio Lower Upper

50 100

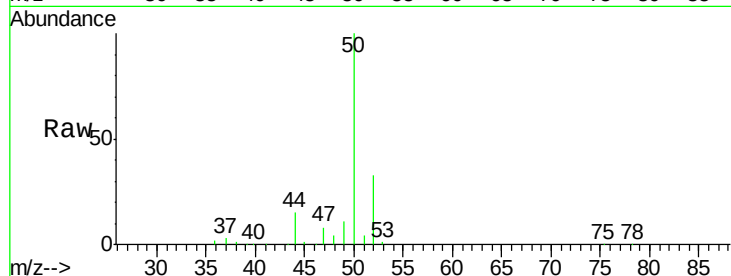
52 32.9 25.7 38.5

Manual Integrations

APPROVED

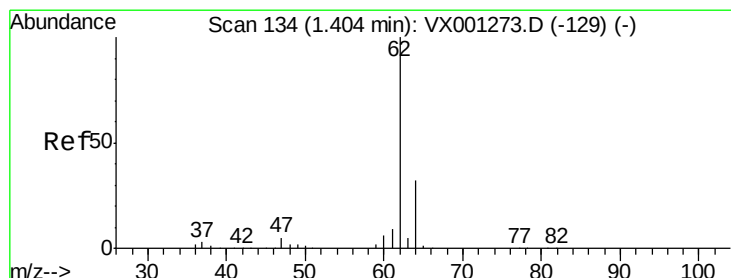
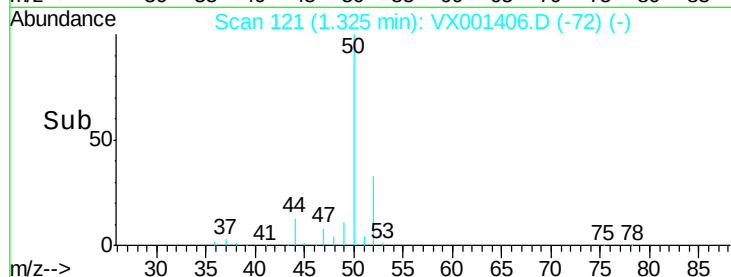
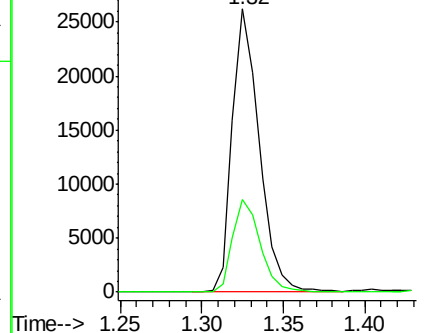
MMDadoda

5/7/2018 7:28:04 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.061 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001406.D

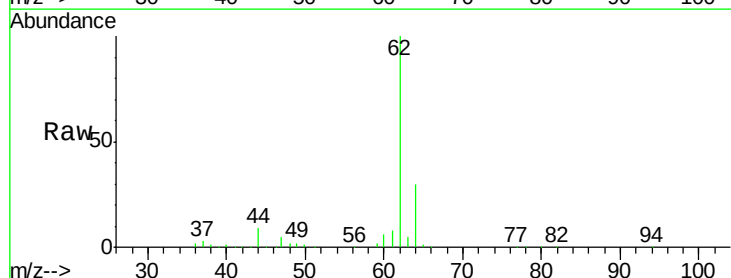
Acq: 04 May 2018 19:26

Tgt Ion: 62 Resp: 32297

Ion Ratio Lower Upper

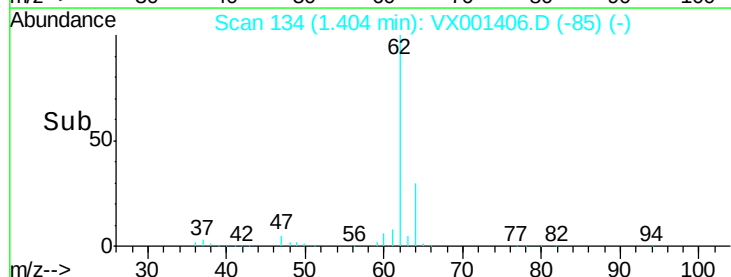
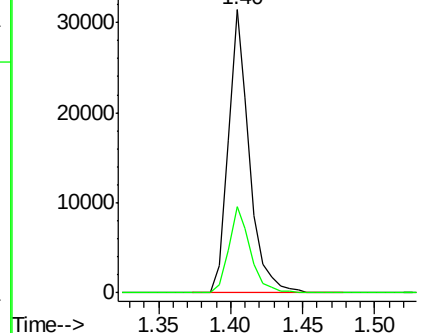
62 100

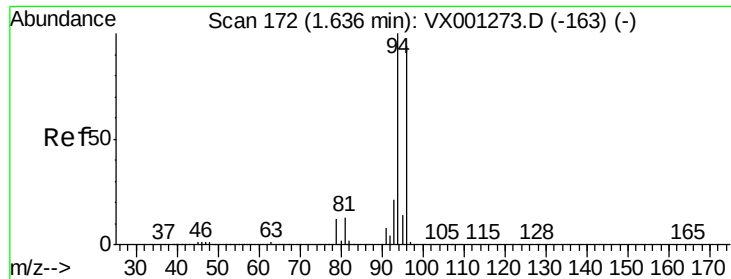
64 30.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 23.220 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

VX0504MBS01

Tot Ion: 94 Resp: 27530

Ion Ratio Lower Upper

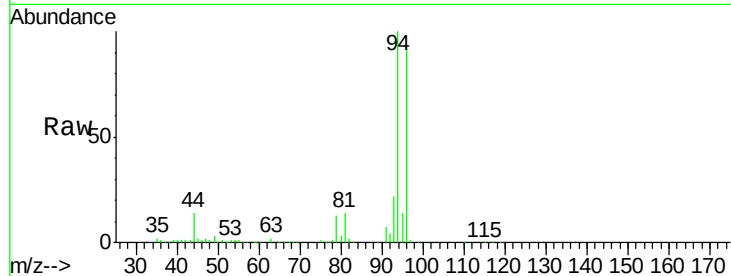
94 100

96 92.2 75.6 113.4

Manual Integrations
APPROVED

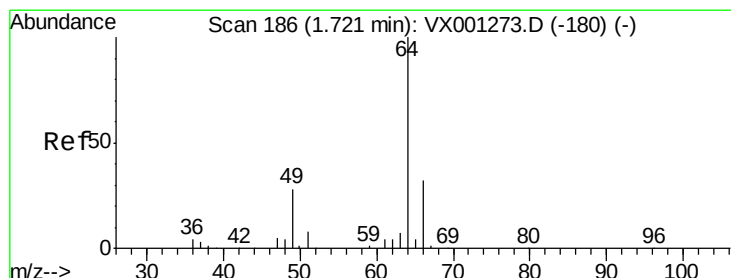
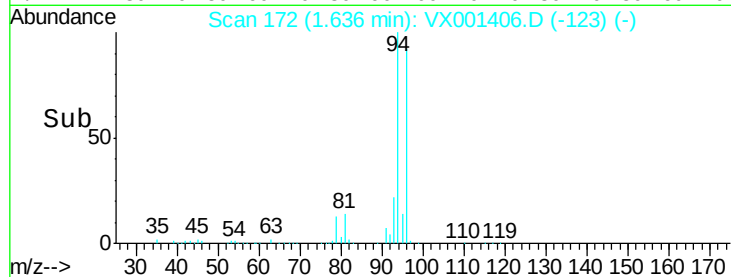
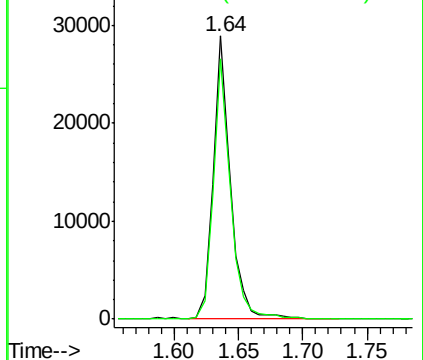
MMDadoda

5/7/2018 7:28:04 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 22.802 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001406.D

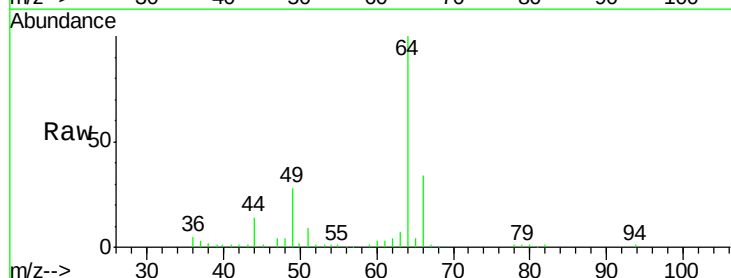
Acq: 04 May 2018 19:26

Tgt Ion: 64 Resp: 22105

Ion Ratio Lower Upper

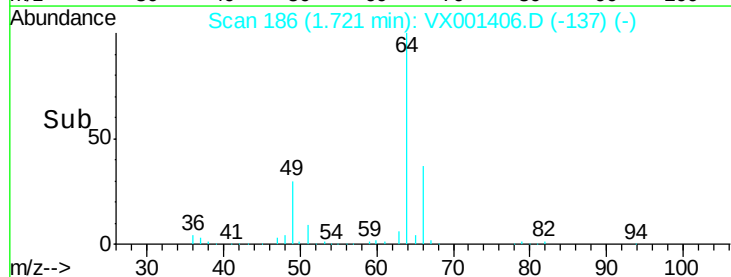
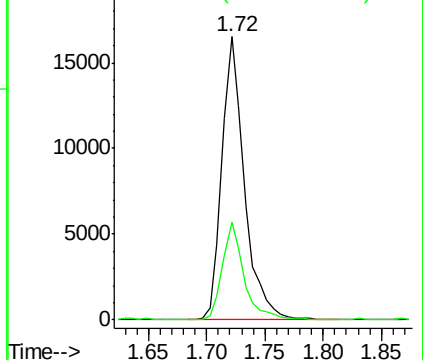
64 100

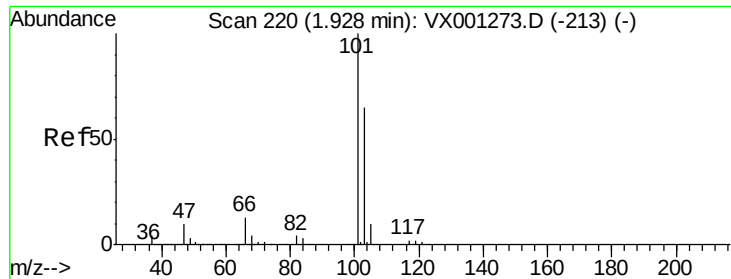
66 34.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

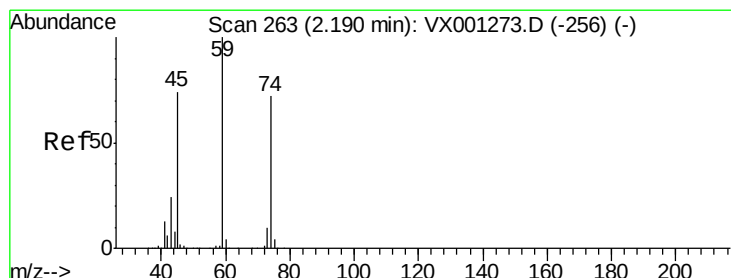
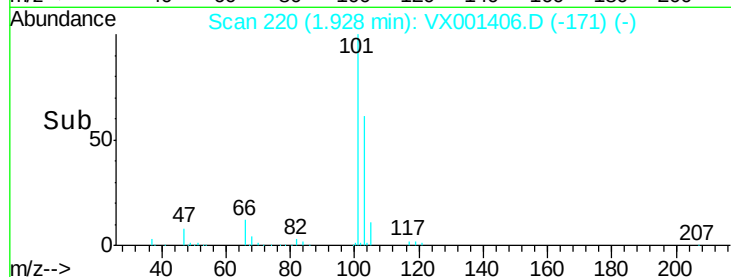
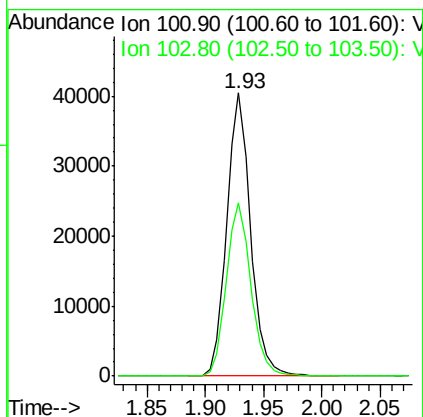
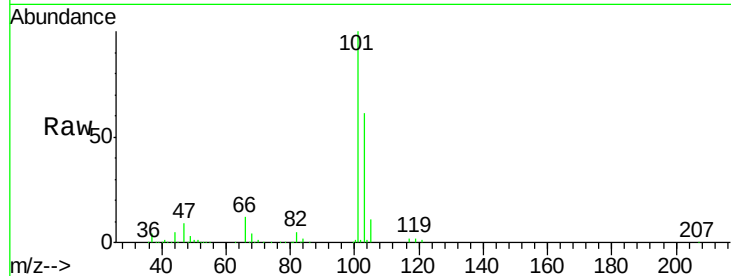
Trichlorofluoromethane
Concen: 22.195 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Instrument :
MSVOA_X
ClientSampleId :
VX0504MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.3	51.8	77.8

Manual Integrations
APPROVED

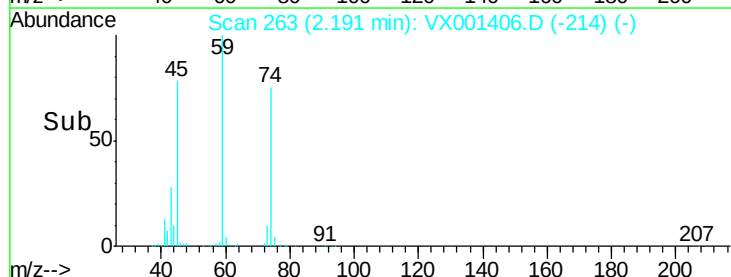
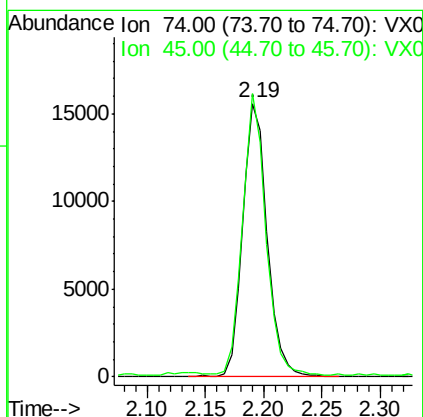
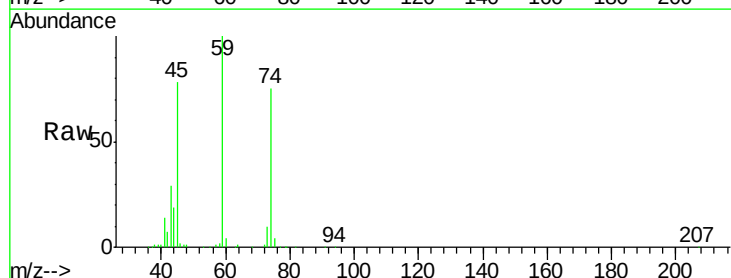
MMDadoda
5/7/2018 7:28:04 PM

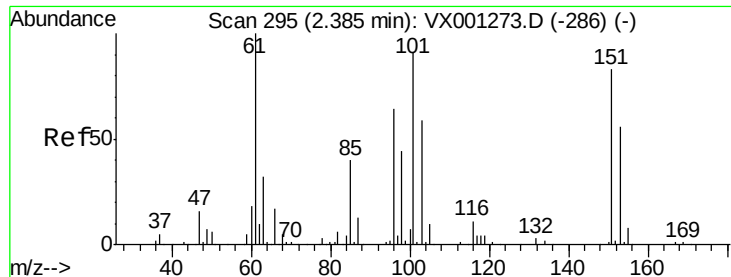


#8

Diethyl Ether
Concen: 25.848 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	49.3	147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.524 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

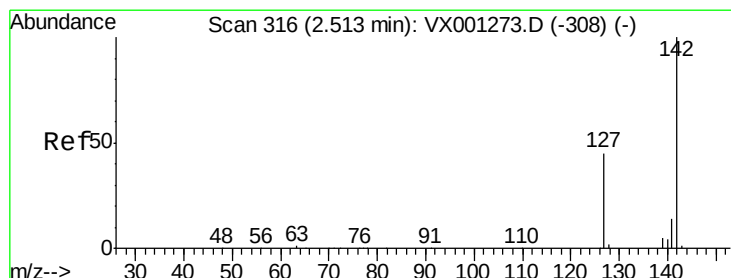
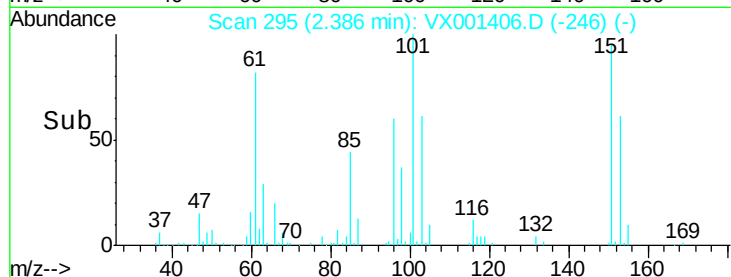
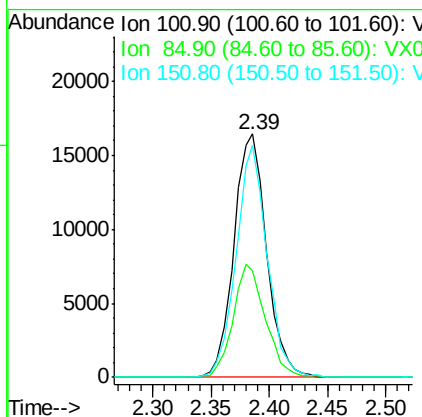
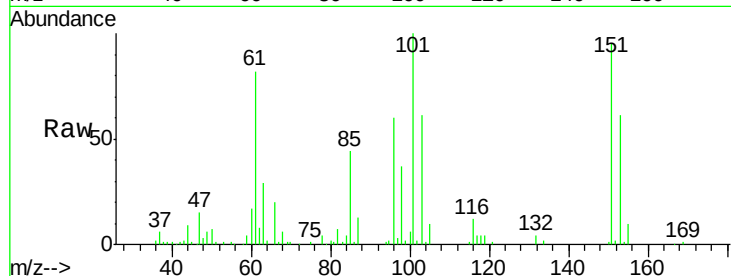
ClientSampleId :

VX0504MBS01

Tot Ion:	101	Resp:	32121
Ion Ratio	Lower	Upper	
101	100		
85	46.1	35.6	53.4
151	90.8	74.8	112.2

Manual Integrations
APPROVED

MMDadoda
5/7/2018 7:28:04 PM



#10

Methyl Iodide

Concen: 30.024 ug/l

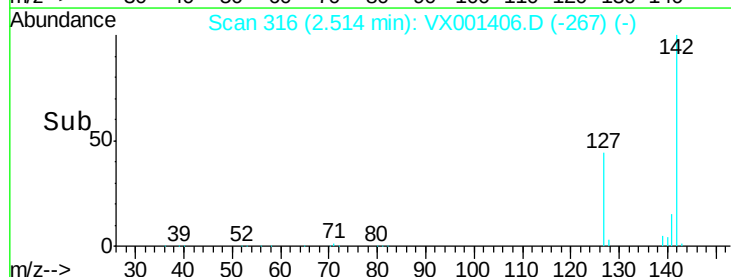
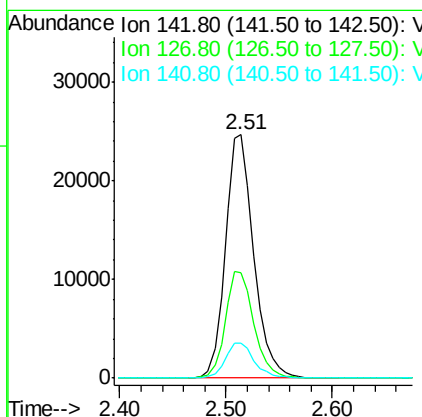
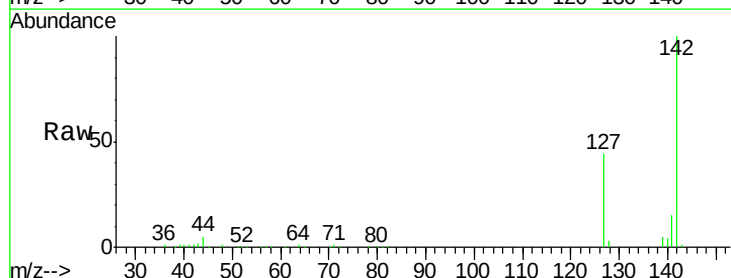
RT: 2.51 min Scan# 316

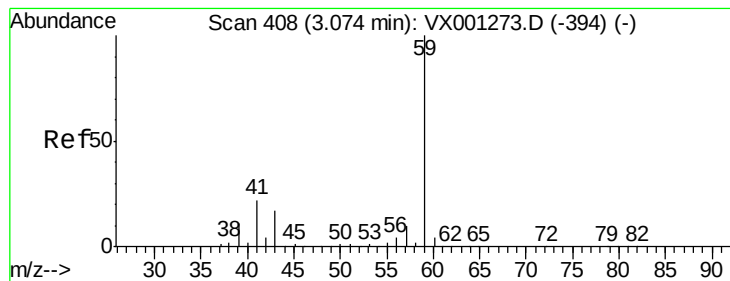
Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Tgt Ion:	142	Resp:	45754
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.7	53.5
141	14.8	11.4	17.0





#11

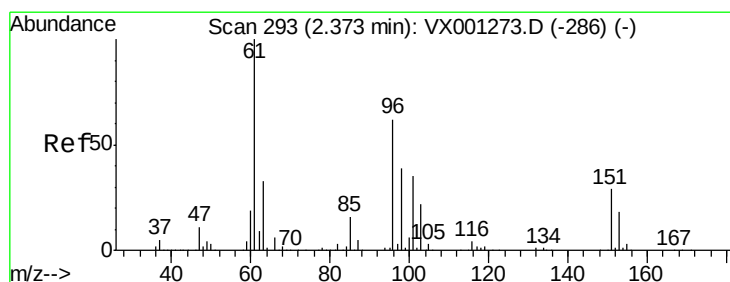
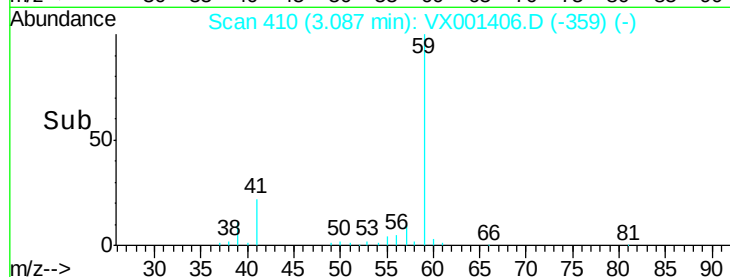
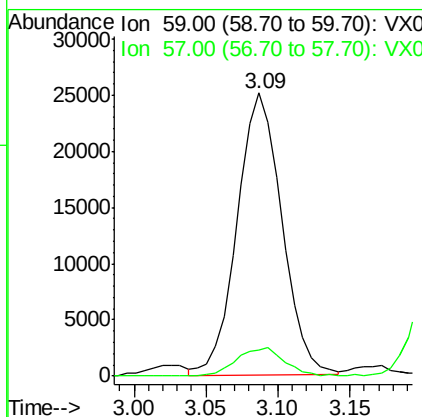
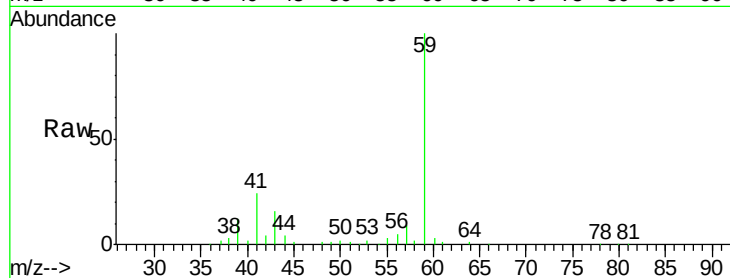
Tert butyl alcohol
 Concen: 169.692 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. 0.01 min
 Lab File: VX001406.D
 Acq: 04 May 2018 19:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

Manual Integrations
 APPROVED

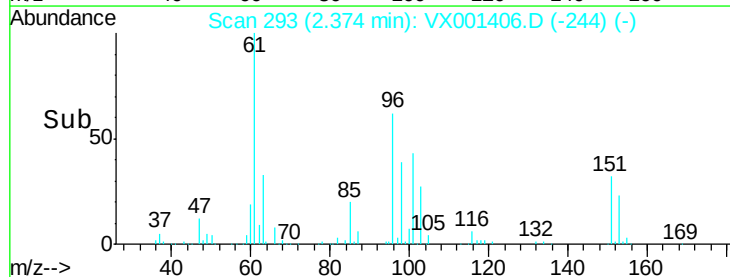
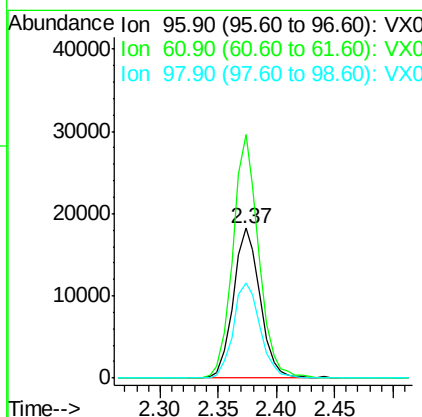
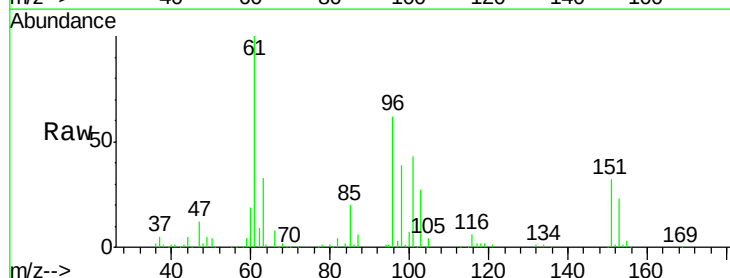
MMDadoda
 5/7/2018 7:28:04 PM

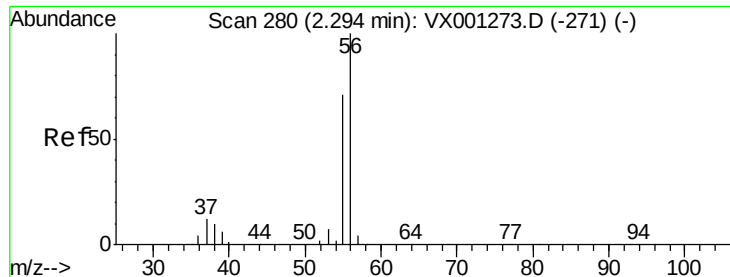


#12

1,1-Dichloroethene
 Concen: 21.722 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX001406.D
 Acq: 04 May 2018 19:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.3	130.1	195.1
98	63.5	50.3	75.5





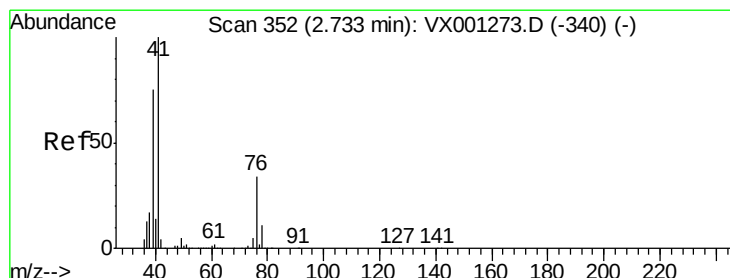
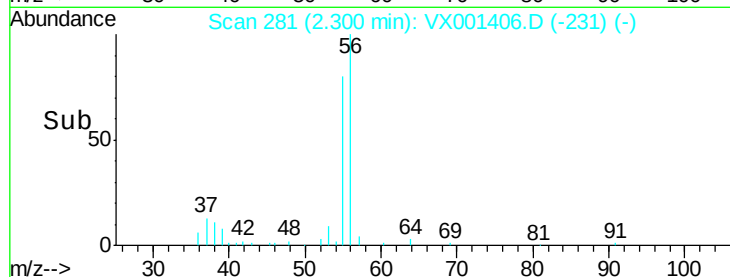
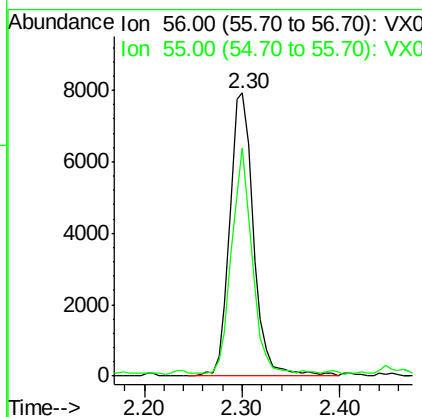
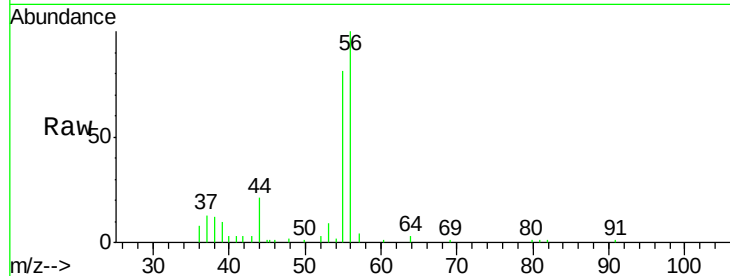
#13
 Acrolein
 Concen: 72.891 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: VX001406.D
 Acq: 04 May 2018 19:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504MBS01

Tot Ion	56	55	Ratio	100	68.0	Resp	13408	Lower	57.2	Upper	85.8
Ion	56	55	Ratio	100	68.0	Resp	13408	Lower	57.2	Upper	85.8

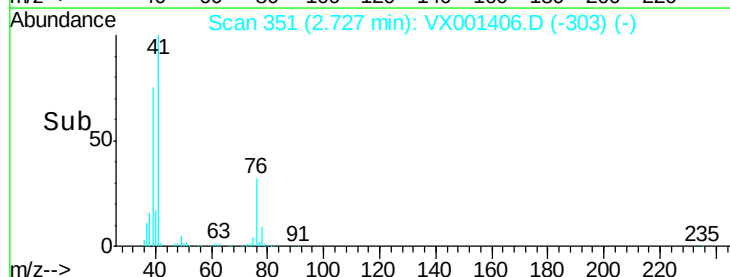
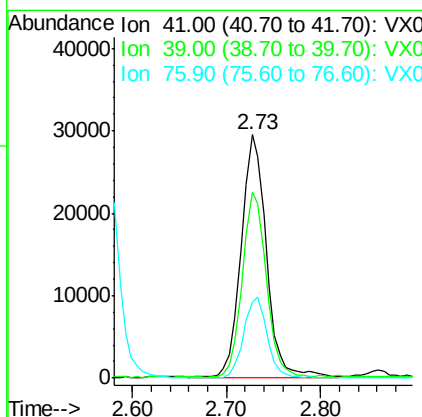
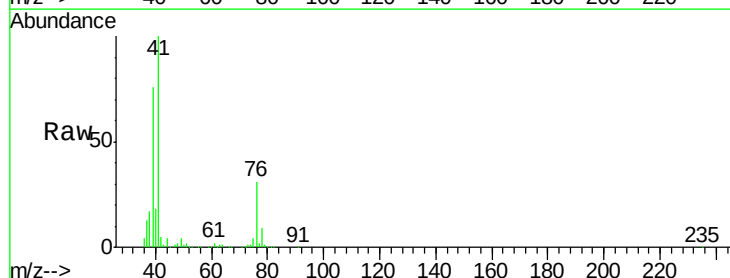
Manual Integrations
 APPROVED

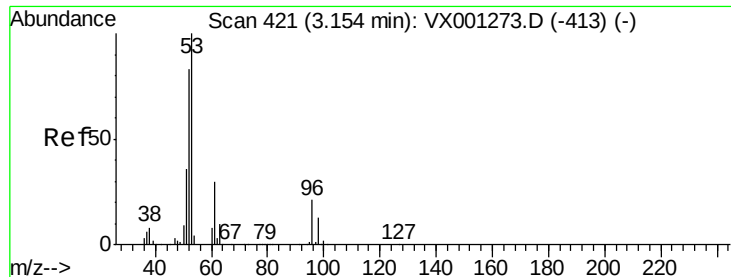
MMDadoda
 5/7/2018 7:28:04 PM



#14
 Allyl chloride
 Concen: 23.332 ug/l
 RT: 2.73 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX001406.D
 Acq: 04 May 2018 19:26

Tgt Ion	41	39	76	Ratio	100	73.3	31.3	Resp	54929	Lower	58.1	Upper	87.1	37.7
Ion	41	39	76	Ratio	100	73.3	31.3	Resp	54929	Lower	58.1	Upper	87.1	37.7





#15

Acrylonitrile

Concen: 153.140 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

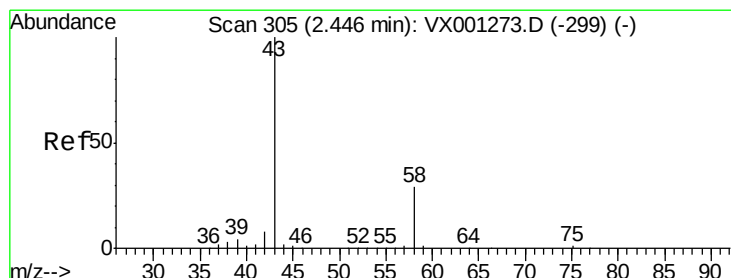
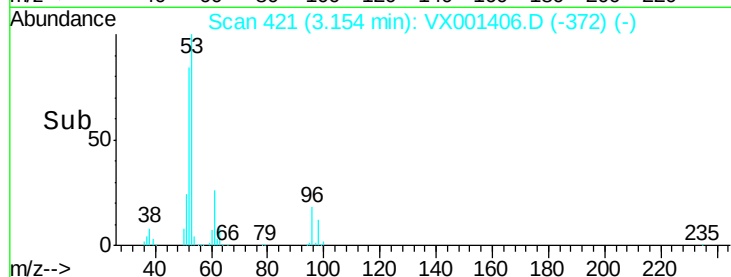
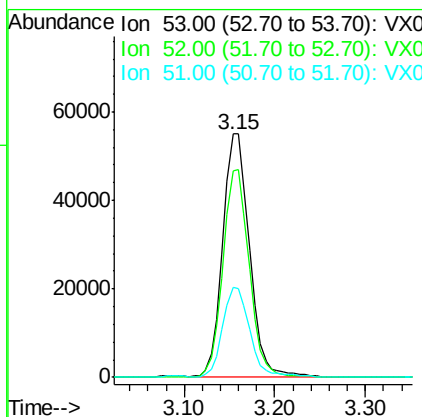
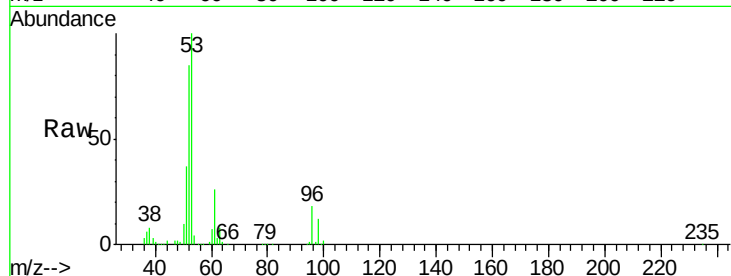
ClientSampleId :

VX0504MBS01

Tot Ion:	53	Resp:	113392
Ion Ratio	Lower	Upper	
53	100		
52	83.5	67.0	100.4
51	38.0	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
5/7/2018 7:28:04 PM



#16

Acetone

Concen: 136.760 ug/l

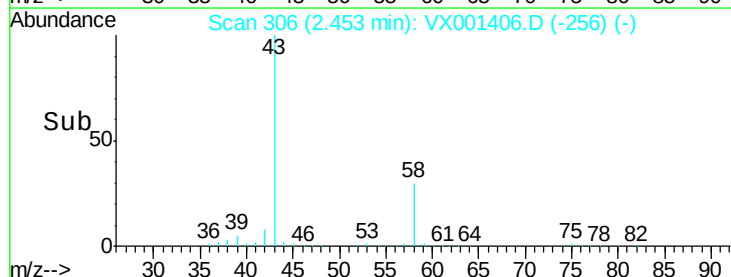
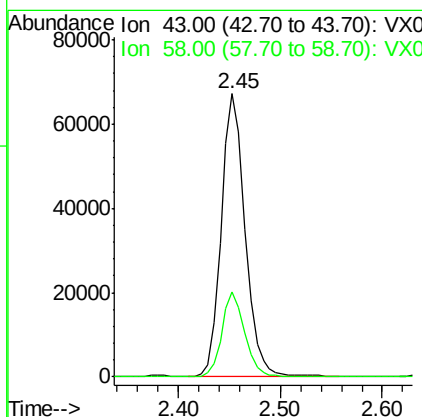
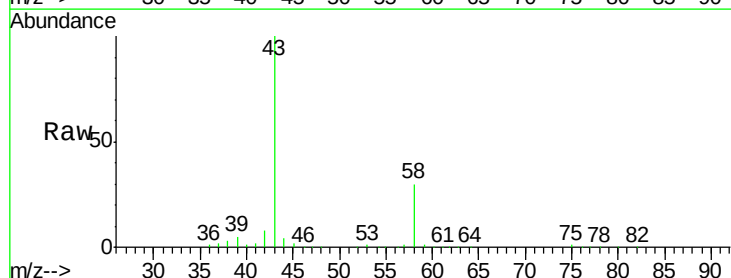
RT: 2.45 min Scan# 306

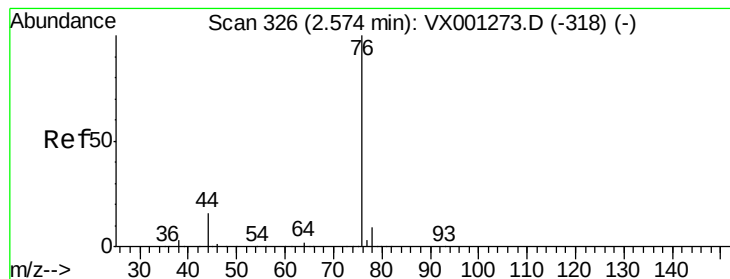
Delta R.T. 0.01 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Tgt Ion:	43	Resp:	108400
Ion Ratio	Lower	Upper	
43	100		
58	30.2	22.8	34.2





#17

Carbon Disulfide

Concen: 16.858 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

VX0504MBS01

Tot Ion: 76 Resp: 59100

Ion Ratio Lower Upper

76 100

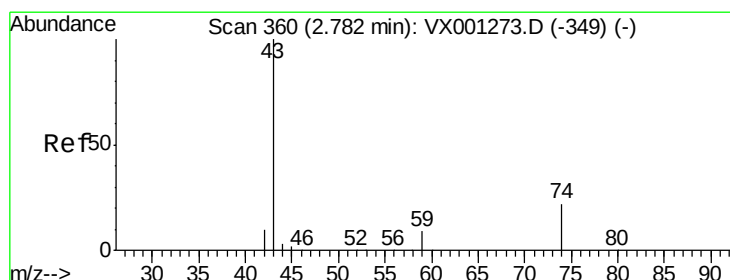
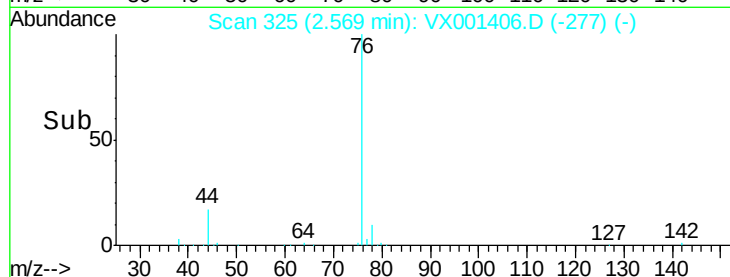
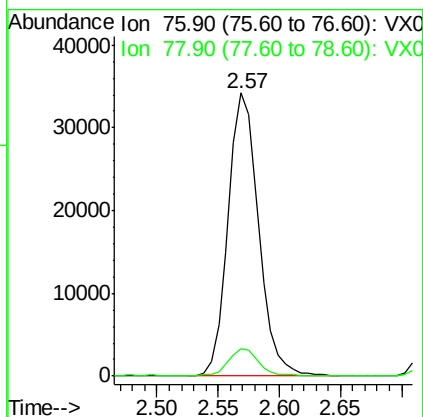
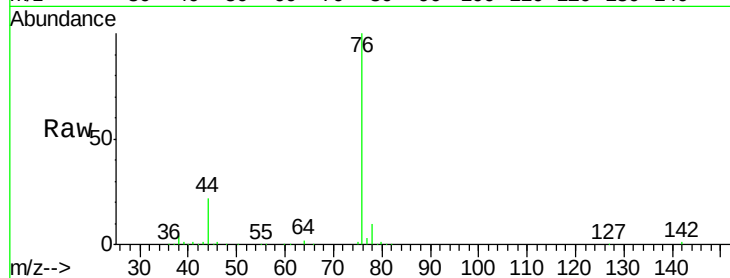
78 9.7 7.0 10.4

Manual Integrations

APPROVED

MMDadoda

5/7/2018 7:28:04 PM



#18

Methyl Acetate

Concen: 33.749 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001406.D

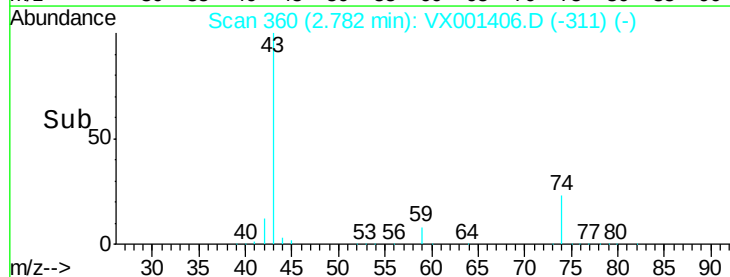
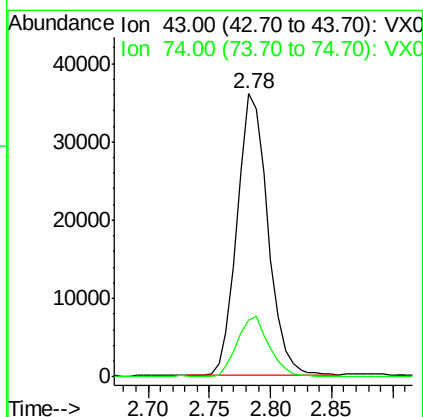
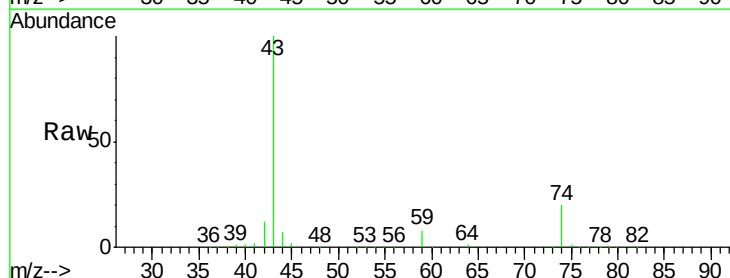
Acq: 04 May 2018 19:26

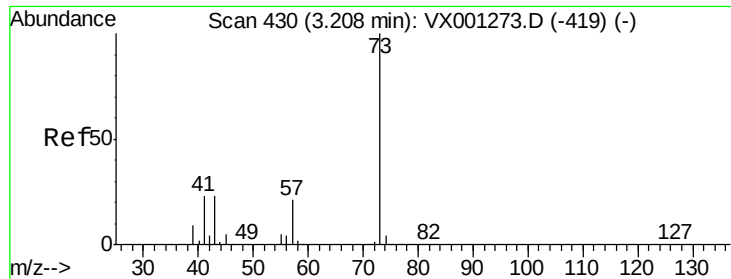
Tgt Ion: 43 Resp: 63179

Ion Ratio Lower Upper

43 100

74 22.3 17.8 26.6





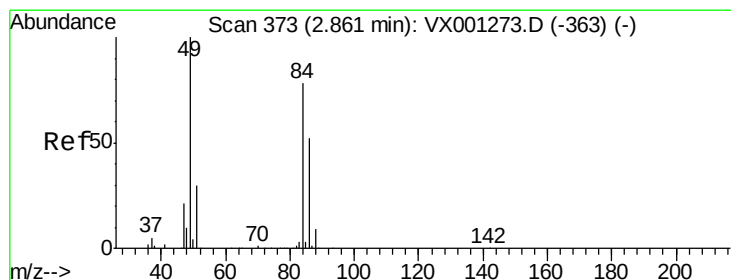
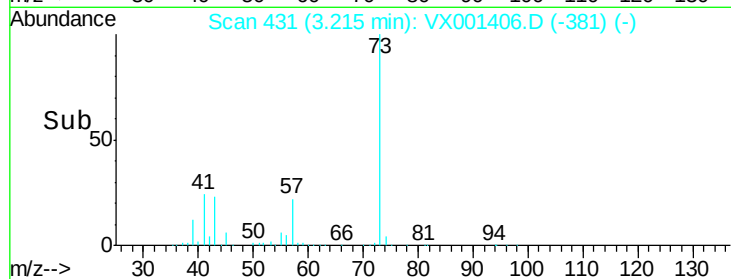
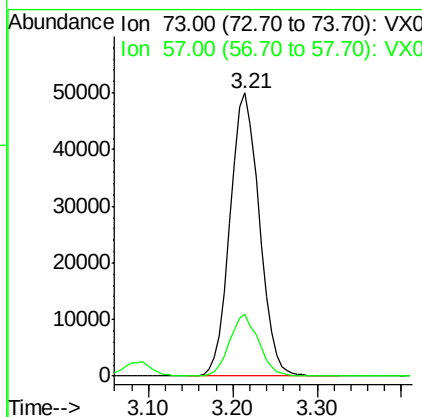
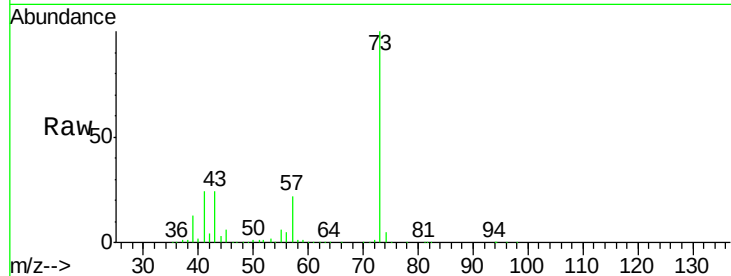
#19
Methyl tert-butyl Ether
Concen: 25.689 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Instrument :
MSVOA_X
ClientSampleId :
VX0504MBS01

Tot Ion: 73 Resp: 117743
Ion Ratio Lower Upper
73 100
57 21.7 16.8 25.2

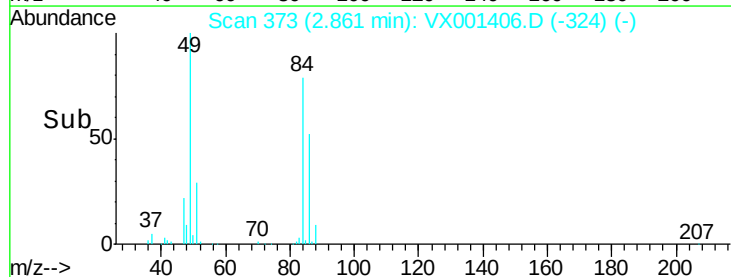
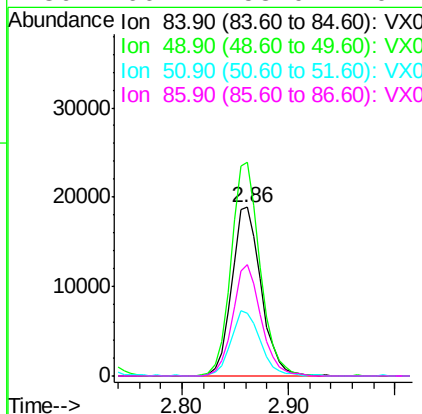
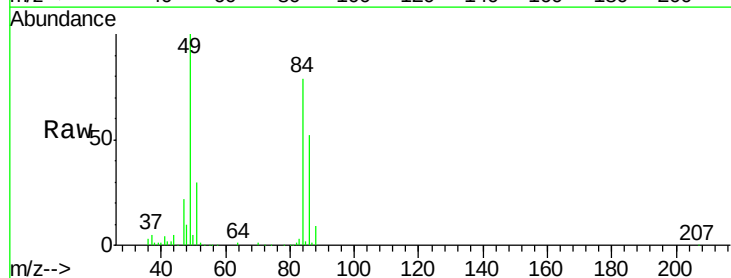
Manual Integrations
APPROVED

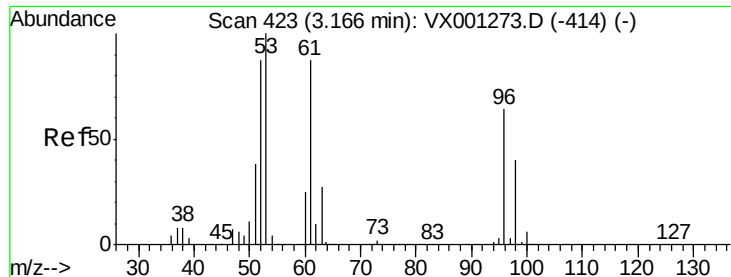
MMDadoda
5/7/2018 7:28:04 PM



#20
Methylene Chloride
Concen: 24.769 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Tgt Ion: 84 Resp: 36574
Ion Ratio Lower Upper
84 100
49 126.7 102.8 154.2
51 37.3 30.9 46.3
86 66.1 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 21.834 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

VX0504MBS01

Tot Ion: 96 Resp: 31978

Ion Ratio Lower Upper

96 100

61 129.7 108.6 162.8

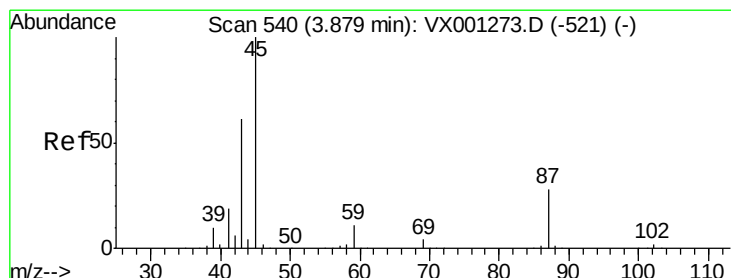
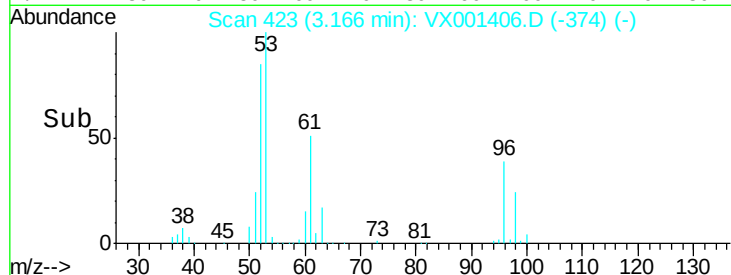
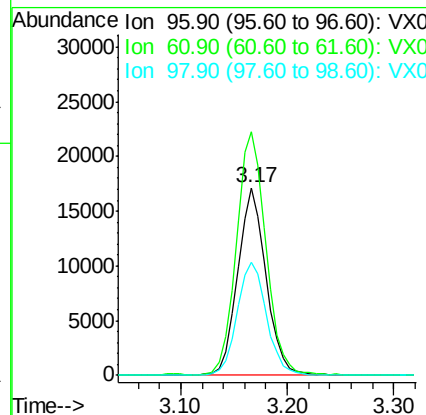
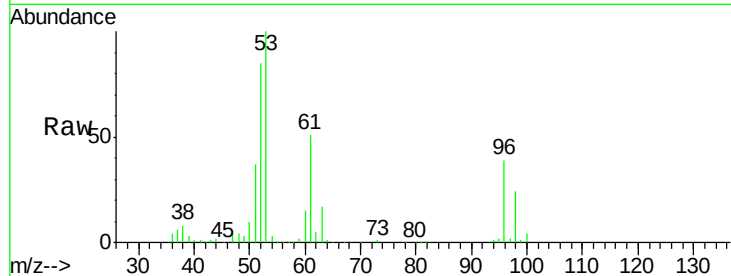
98 60.2 49.7 74.5

Manual Integrations

APPROVED

MMDadoda

5/7/2018 7:28:04 PM



#22

Diisopropyl ether

Concen: 25.574 ug/l

RT: 3.89 min Scan# 541

Delta R.T. 0.01 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Tgt Ion: 45 Resp: 115955

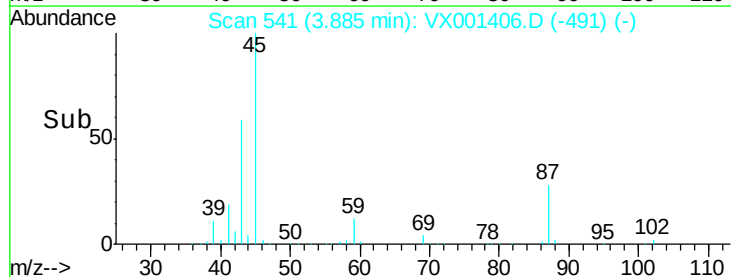
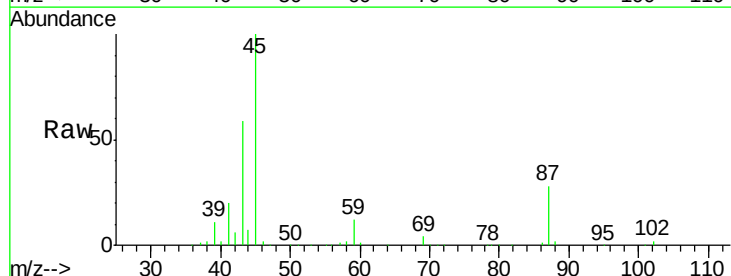
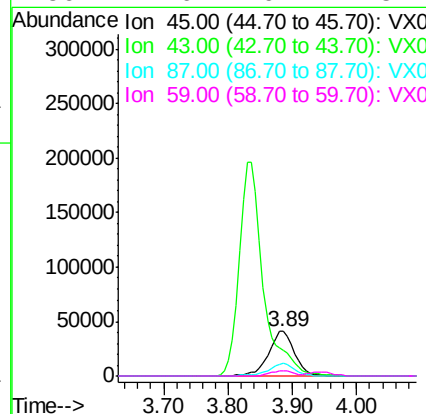
Ion Ratio Lower Upper

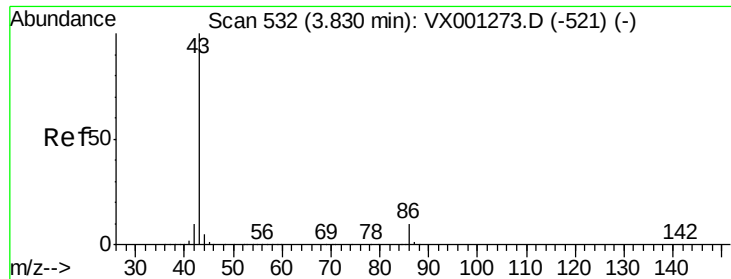
45 100

43 58.8 48.7 73.1

87 27.8 22.2 33.4

59 11.6 9.1 13.7





#23

Vinyl Acetate

Concen: 133.848 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.01 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

VX0504MBS01

Tot Ion: 43 Resp: 514271

Ion Ratio Lower Upper

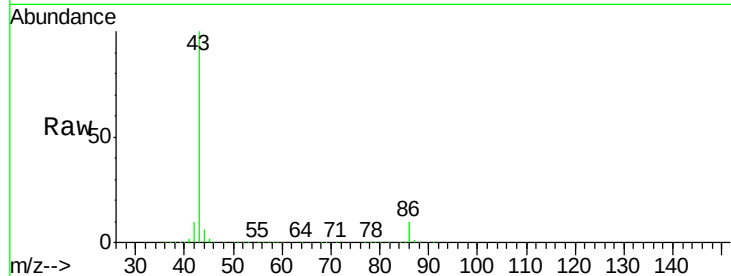
43 100

86 10.2 8.2 12.4

Manual Integrations
APPROVED

MMDadoda

5/7/2018 7:28:04 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.84

200000

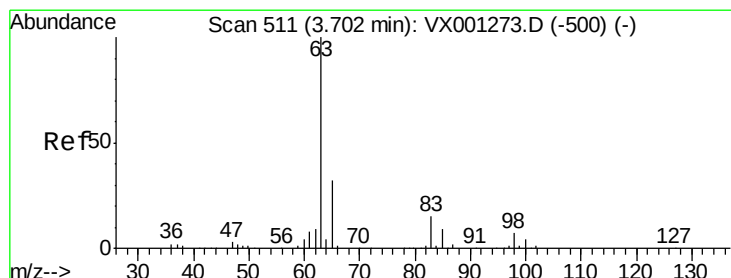
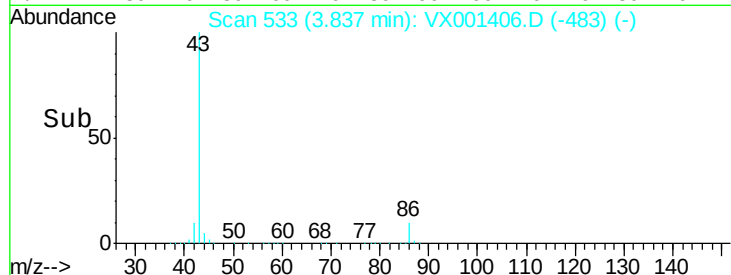
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 24.985 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

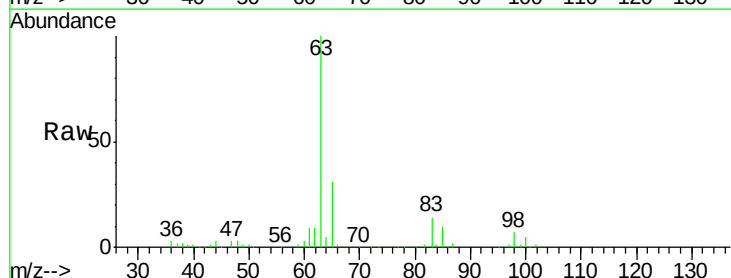
Tgt Ion: 63 Resp: 63106

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 5.0 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

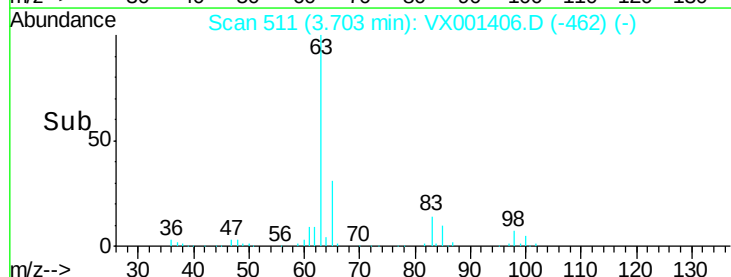
30000

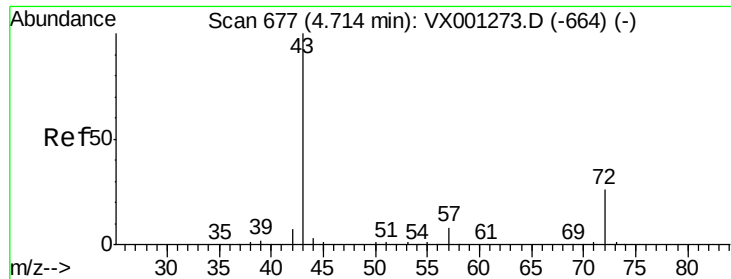
20000

10000

0

Time-->





#25

2-Butanone

Concen: 138.907 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

VX0504MBS01

Tot Ion: 43 Resp: 148870

Ion Ratio Lower Upper

43 100

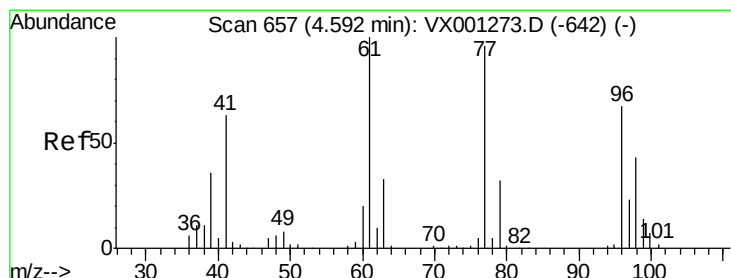
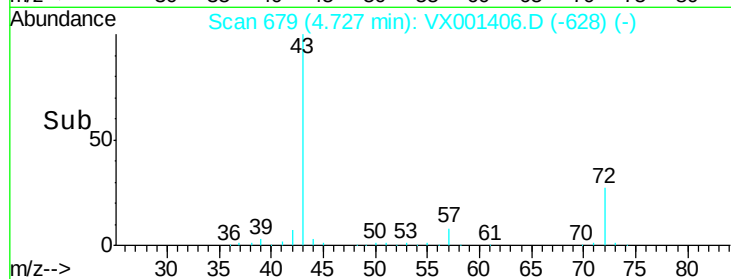
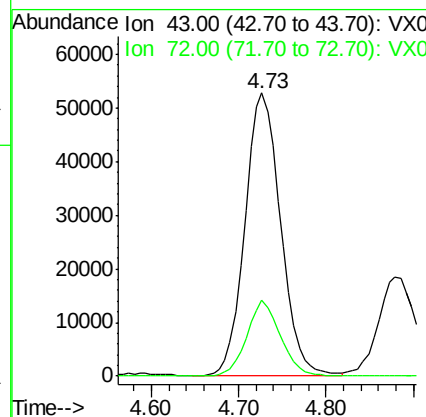
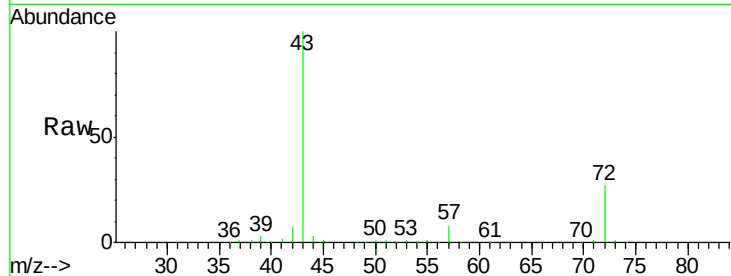
72 26.8 20.5 30.7

Manual Integrations

APPROVED

MMDadoda

5/7/2018 7:28:04 PM



#26

2,2-Dichloropropane

Concen: 17.723 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001406.D

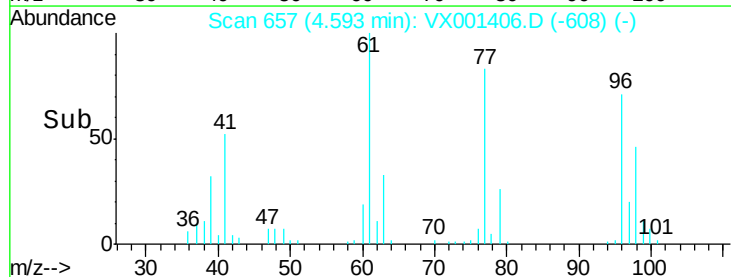
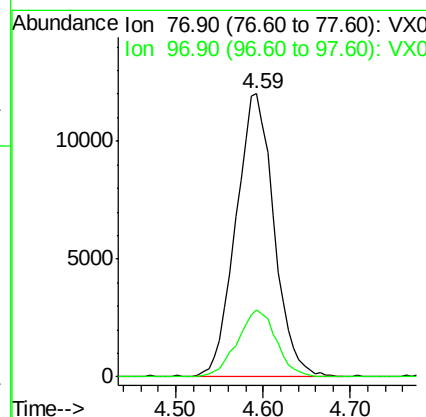
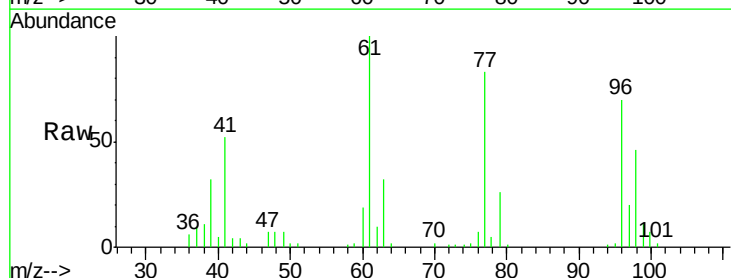
Acq: 04 May 2018 19:26

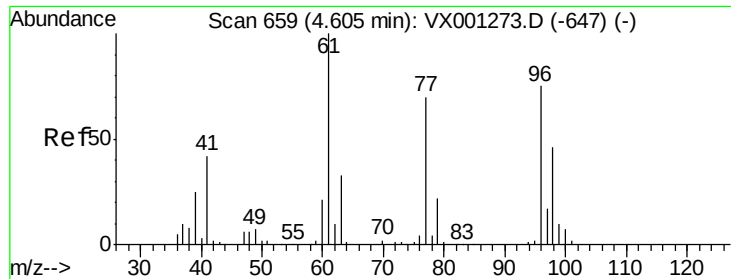
Tgt Ion: 77 Resp: 36425

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.3





#27

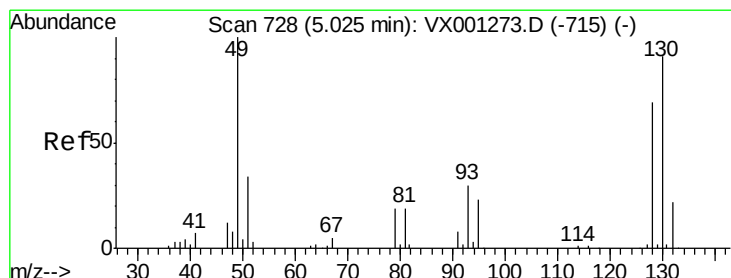
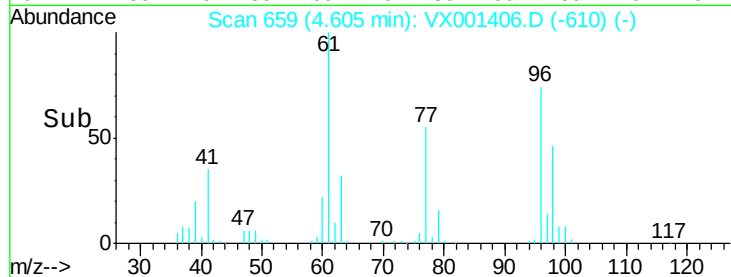
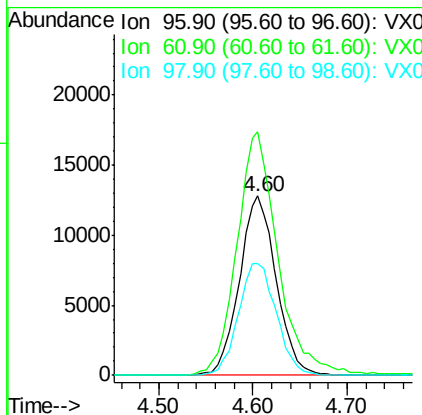
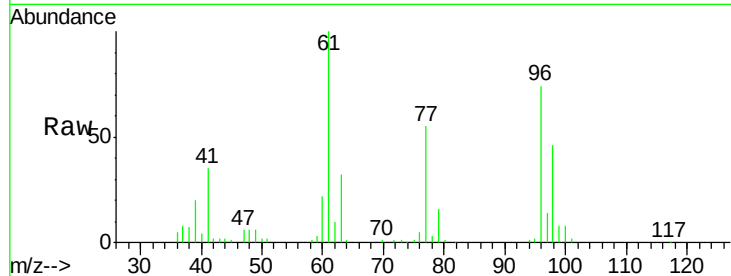
cis-1,2-Dichloroethene
Concen: 21.729 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Instrument :
MSVOA_X
ClientSampleId :
VX0504MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	288.0
98	64.1	0.0	130.2

Manual Integrations
APPROVED

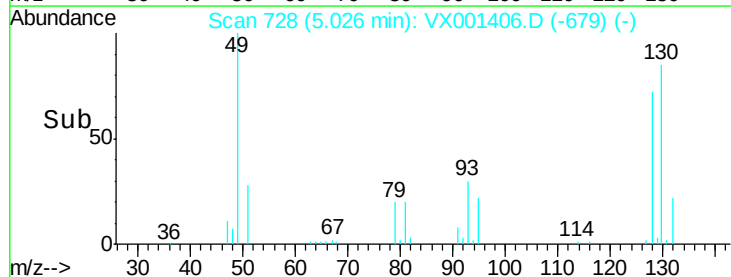
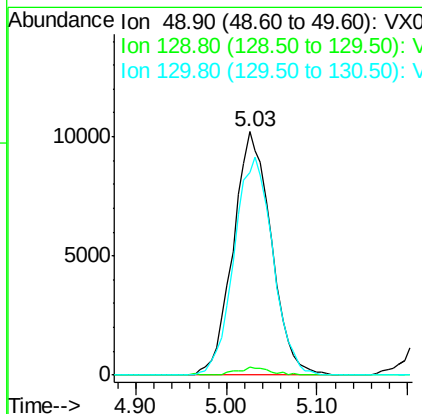
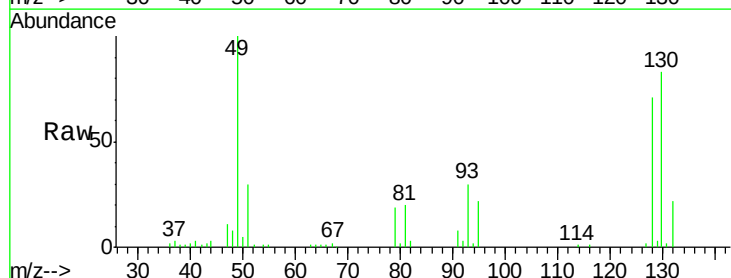
MMDadoda
5/7/2018 7:28:04 PM

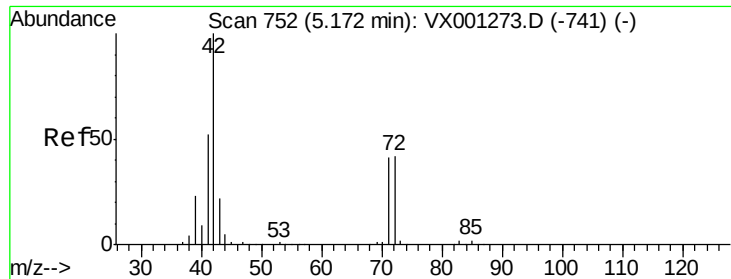


#28

Bromochloromethane
Concen: 26.144 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	91.2	70.4	105.6





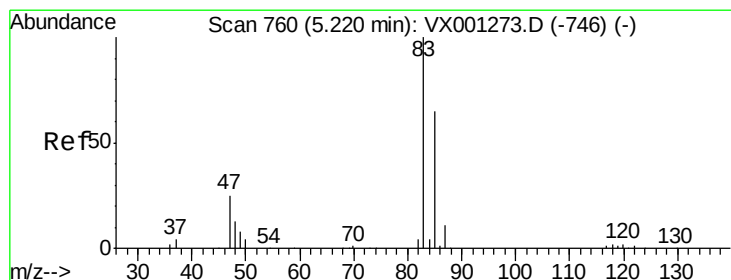
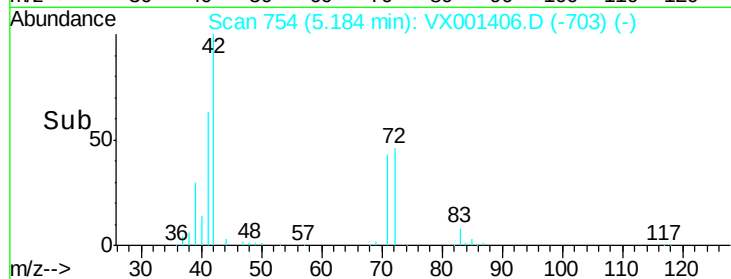
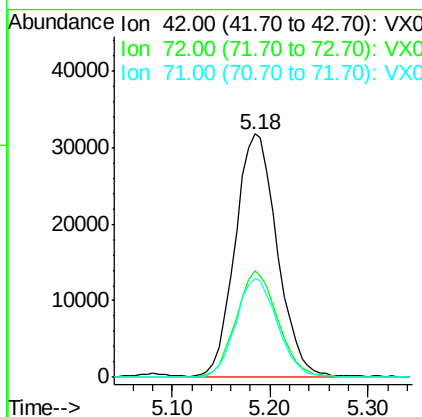
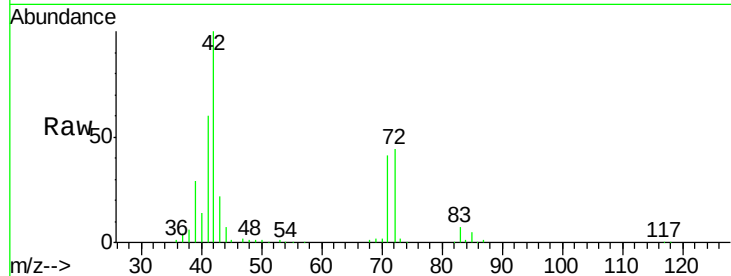
#29
Tetrahydrofuran
Concen: 142.953 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Instrument :
MSVOA_X
ClientSampleId :
VX0504MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.6	52.0
71	40.7	32.7	49.1

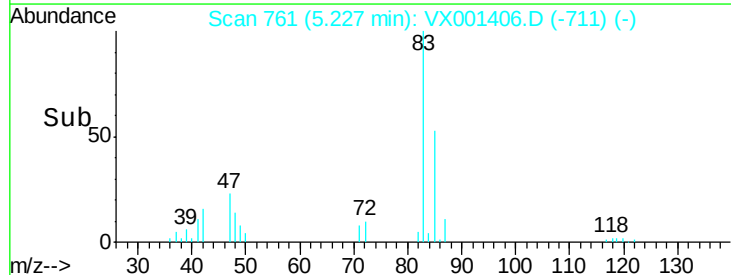
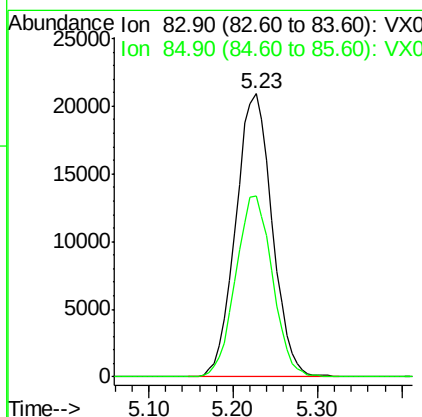
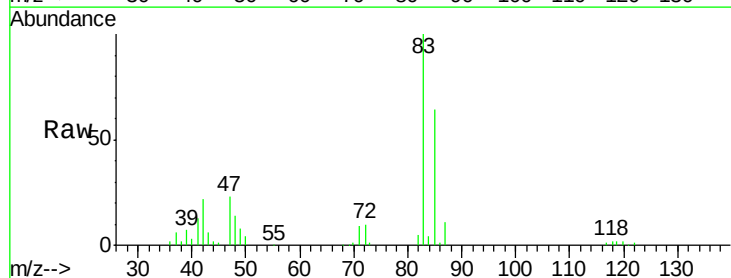
Manual Integrations
APPROVED

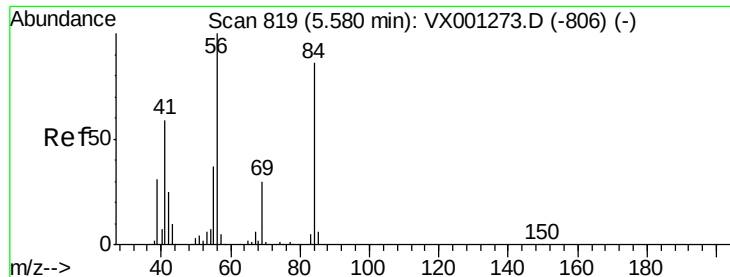
MMDadoda
5/7/2018 7:28:04 PM



#30
Chloroform
Concen: 22.909 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.2	78.2





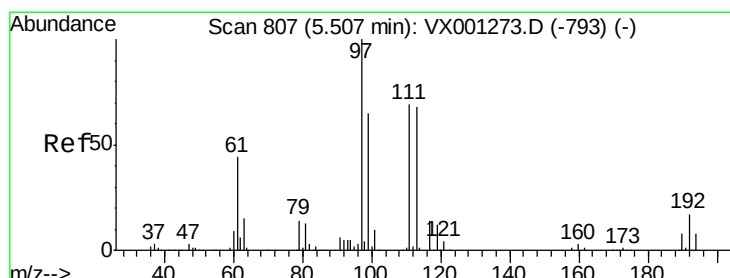
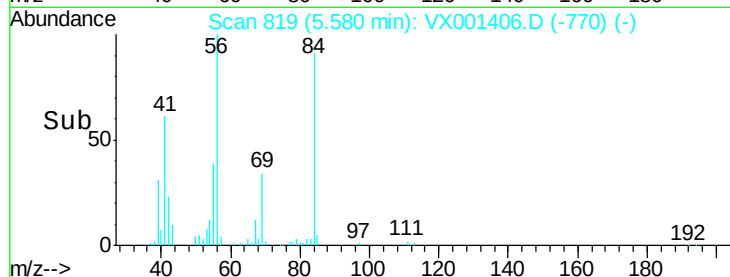
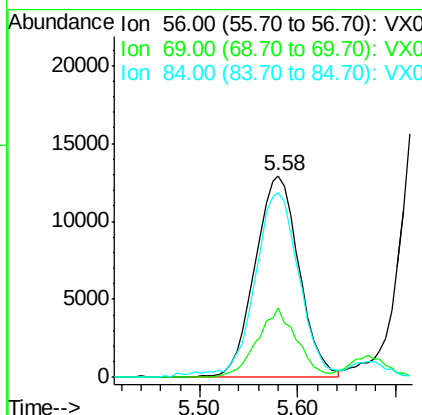
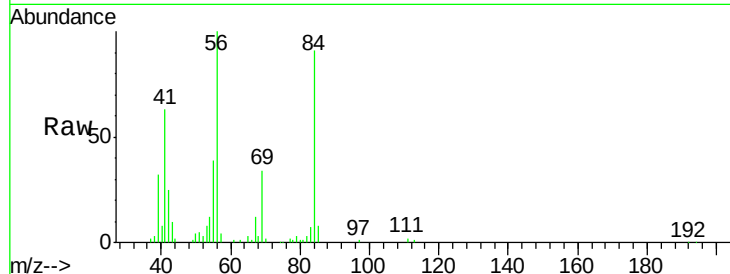
#31
Cyclohexane
Concen: 17.693 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Instrument :
MSVOA_X
ClientSampleId :
VX0504MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	24.0	36.0
84	89.7	69.0	103.4

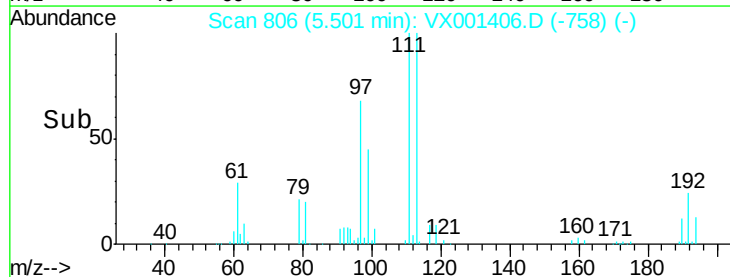
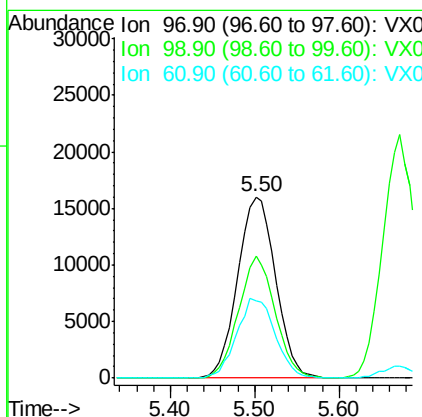
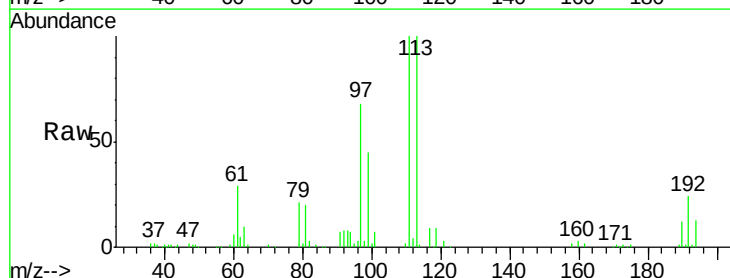
Manual Integrations
APPROVED

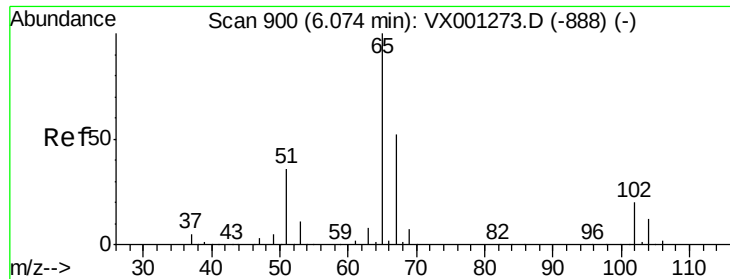
MMDadoda
5/7/2018 7:28:04 PM



#32
1,1,1-Trichloroethane
Concen: 20.965 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.6
61	44.6	35.4	53.2





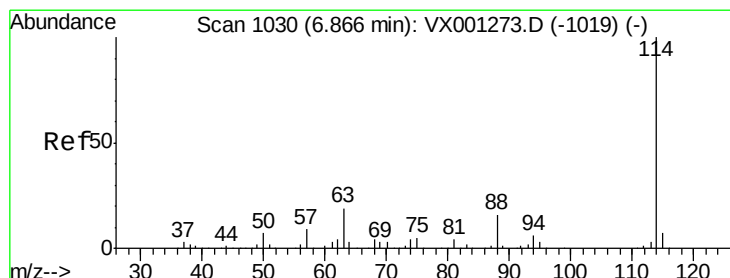
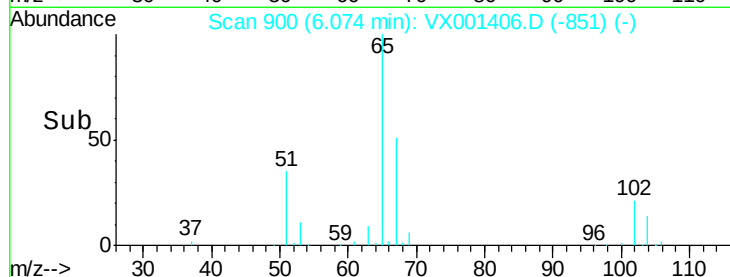
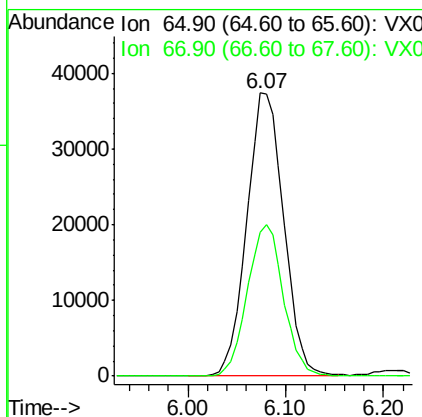
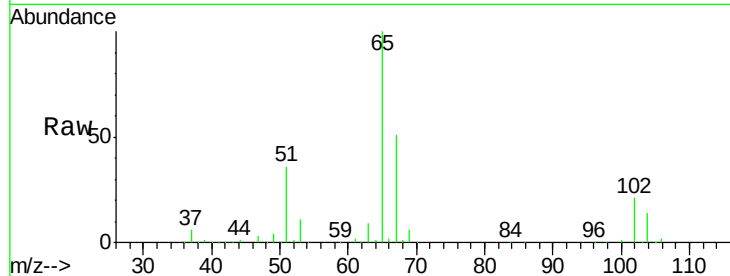
#33
 1,2-Dichloroethane-d4
 Concen: 52.759 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001406.D
 Acq: 04 May 2018 19:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.8

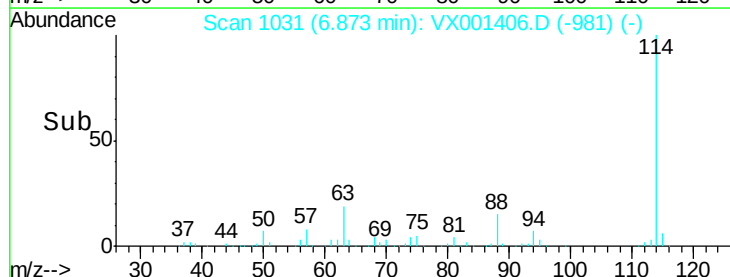
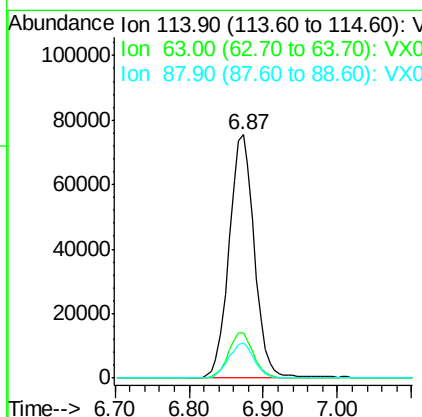
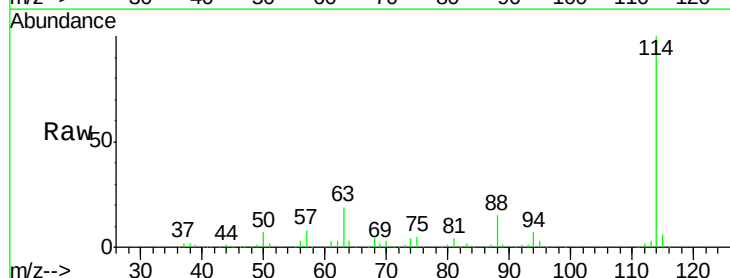
Manual Integrations
 APPROVED

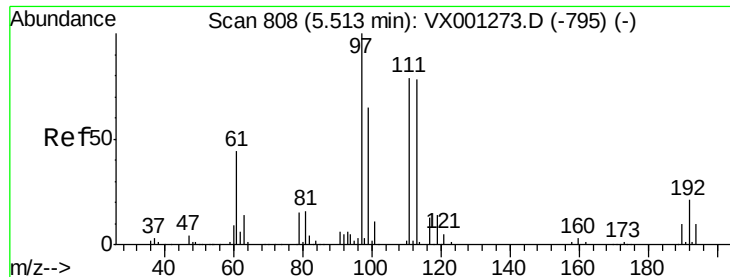
MMDadoda
 5/7/2018 7:28:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001406.D
 Acq: 04 May 2018 19:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	38.8
88	14.5	0.0	32.2





#35

Dibromofluoromethane

Concen: 52.637 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

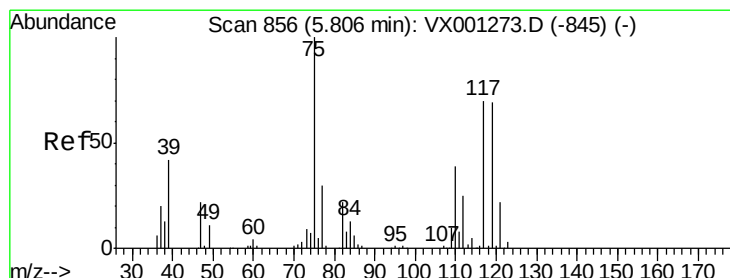
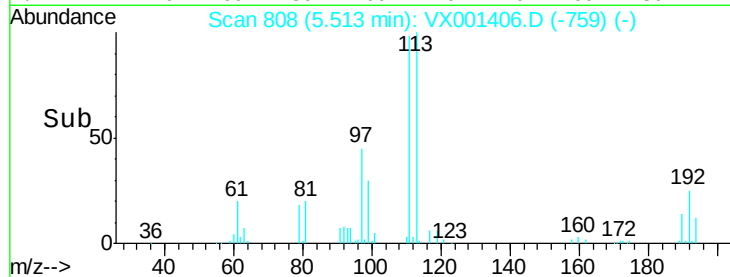
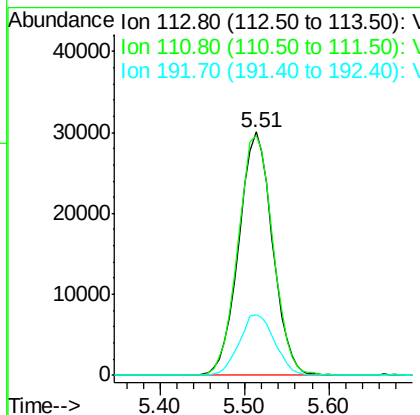
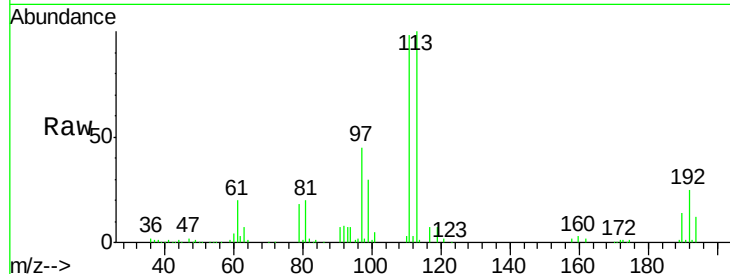
ClientSampleId :

VX0504MBS01

Tot Ion:	113	Resp:	81378
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.2	121.8
192	26.2	20.7	31.1

Manual Integrations
APPROVED

MMDadoda
5/7/2018 7:28:04 PM



#36

1,1-Dichloropropene

Concen: 18.471 ug/l

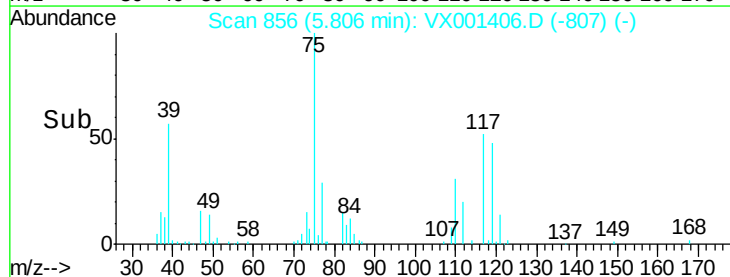
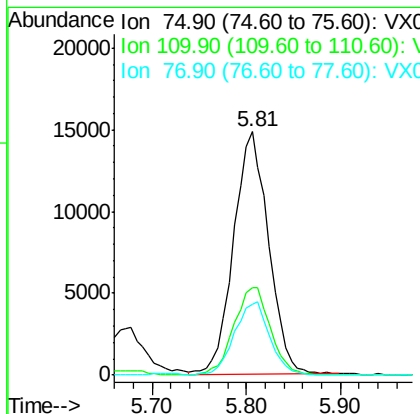
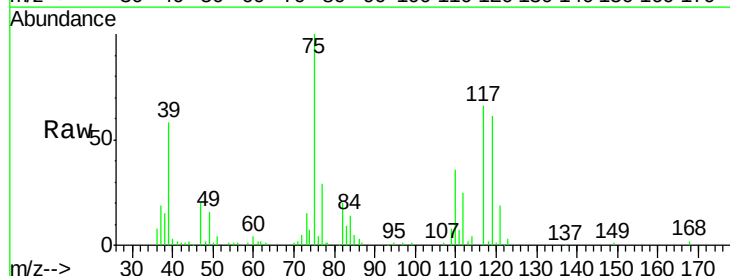
RT: 5.81 min Scan# 856

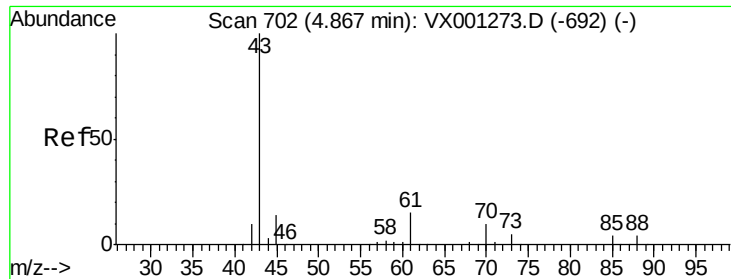
Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Tgt Ion:	75	Resp:	38257
Ion	Ratio	Lower	Upper
75	100		
110	37.8	18.9	56.9
77	30.5	24.2	36.2





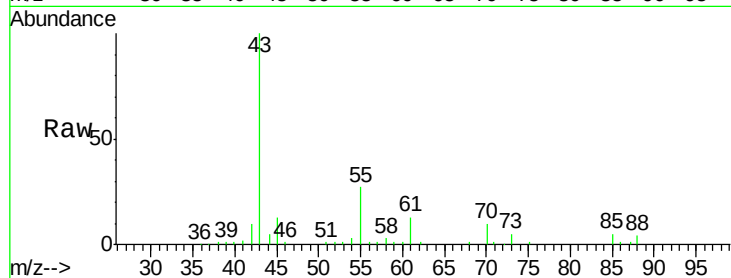
#37
Ethyl Acetate
Concen: 26.073 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Instrument :
MSVOA_X
ClientSampleId :
VX0504MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.7	16.1
70	10.5	8.0	12.0

Manual Integrations
APPROVED

MMDadoda
5/7/2018 7:28:04 PM

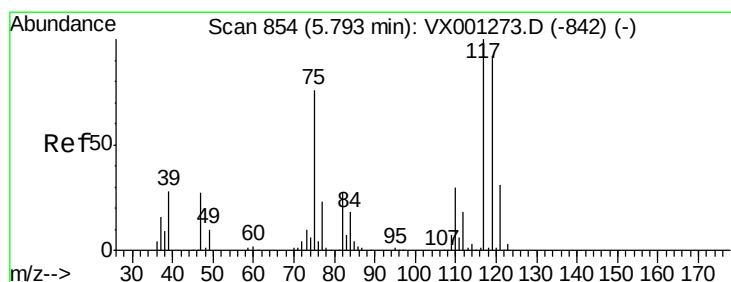
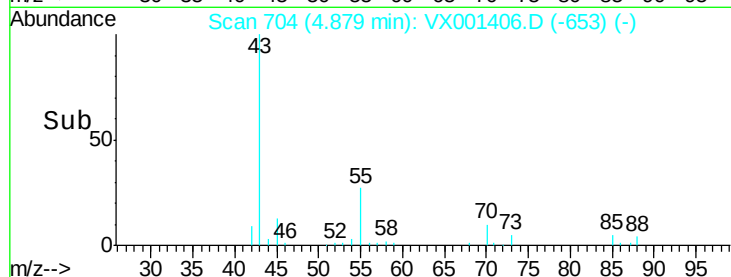
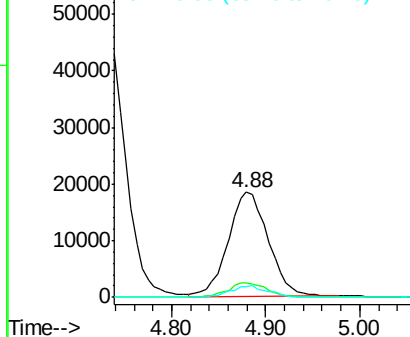


Abundance

Ion 43.00 (42.70 to 43.70): VX001406.D (-653) (-)

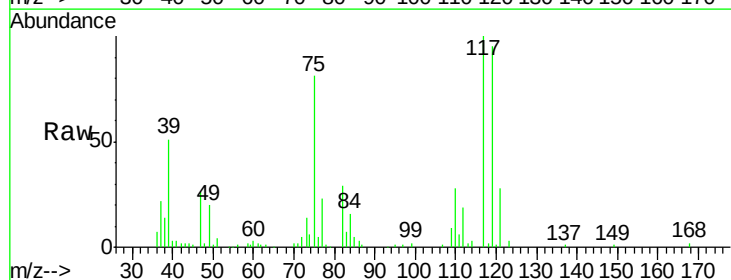
Ion 60.90 (60.60 to 61.60): VX001406.D (-653) (-)

Ion 70.00 (69.70 to 70.70): VX001406.D (-653) (-)



#38
Carbon Tetrachloride
Concen: 19.538 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	73.4	110.2
121	28.4	25.0	37.4

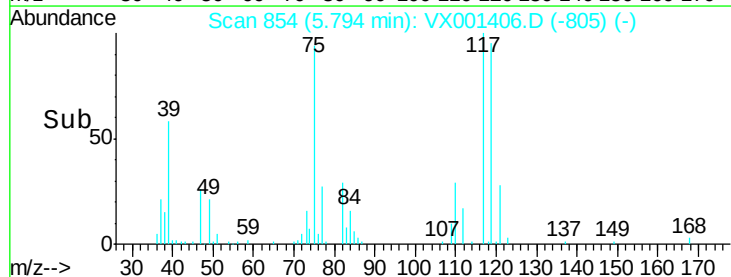
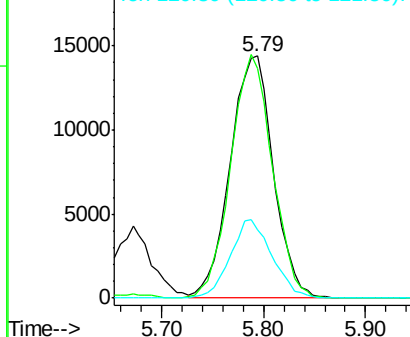


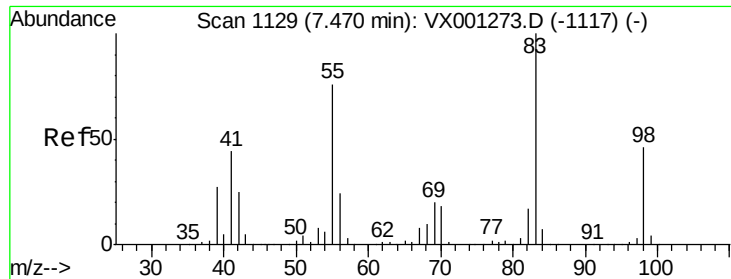
Abundance

Ion 116.80 (116.50 to 117.50): VX001406.D (-805) (-)

Ion 118.80 (118.50 to 119.50): VX001406.D (-805) (-)

Ion 120.80 (120.50 to 121.50): VX001406.D (-805) (-)





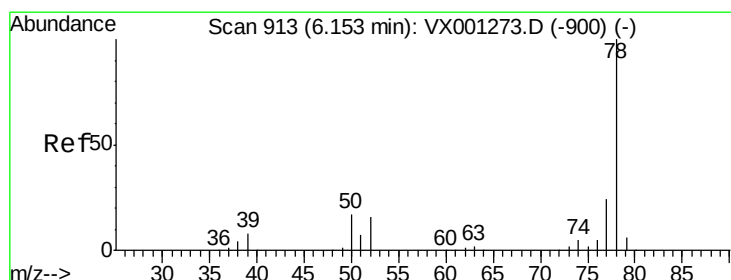
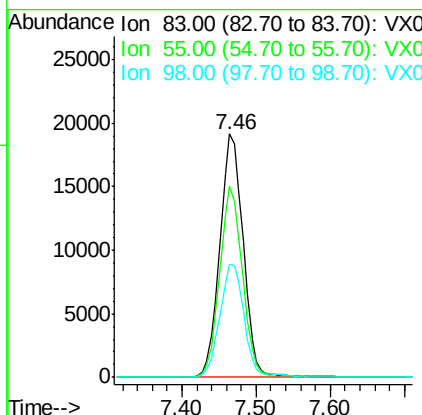
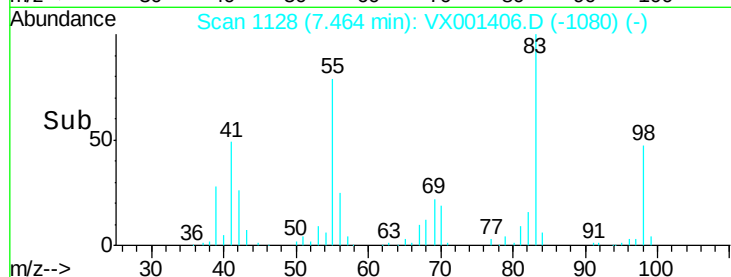
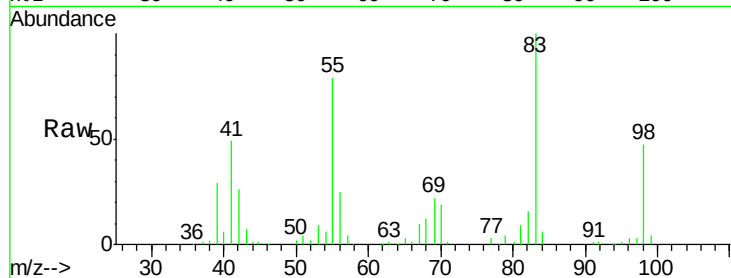
#39
Methylvlcyclohexane
Concen: 17.118 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Instrument :
MSVOA_X
ClientSampleId :
VX0504MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	60.4	90.6
98	46.6	37.0	55.6

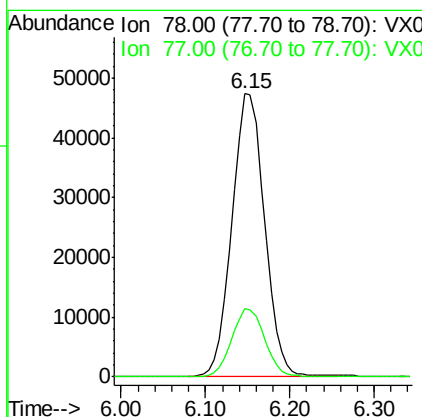
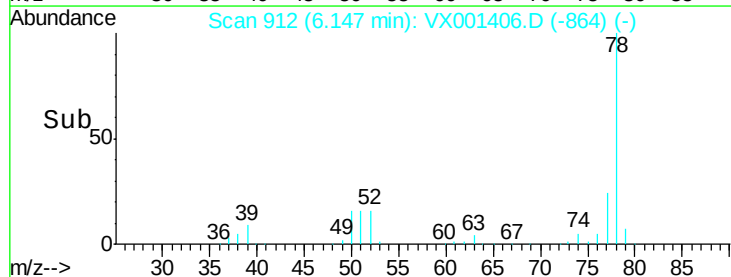
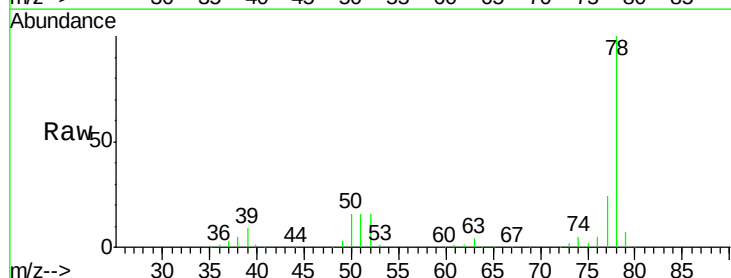
Manual Integrations
APPROVED

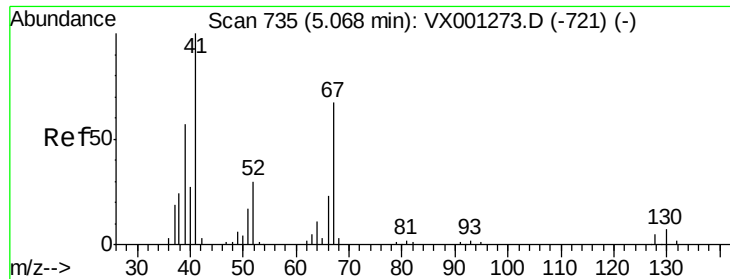
MMDadoda
5/7/2018 7:28:04 PM



#40
Benzene
Concen: 20.904 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4





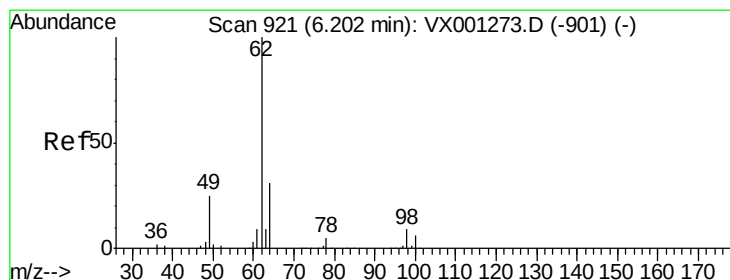
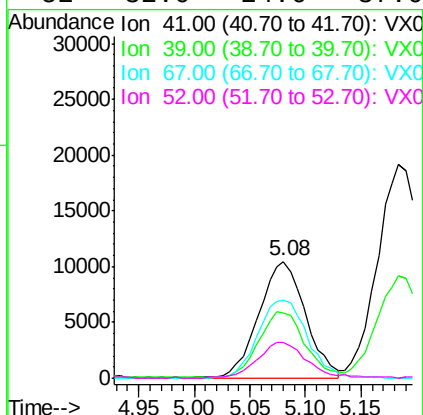
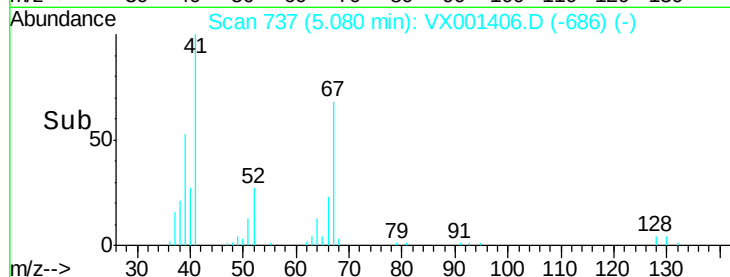
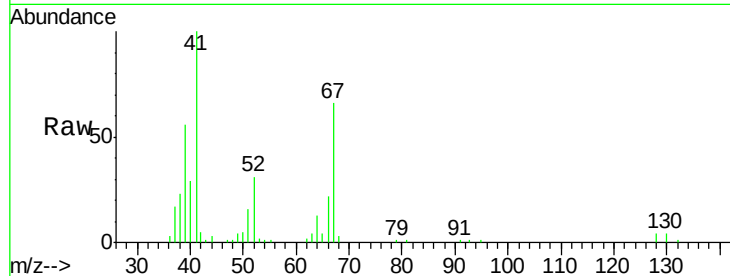
#41
Methacrylonitrile
Concen: 25.198 ug/l
RT: 5.08 min Scan# 737
Delta R.T. 0.01 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Instrument :
MSVOA_X
ClientSampleId :
VX0504MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.2	45.8	68.8	
67	70.7	54.8	82.2	
52	32.0	24.6	37.0	

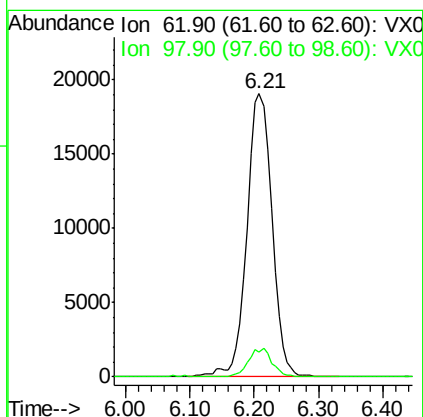
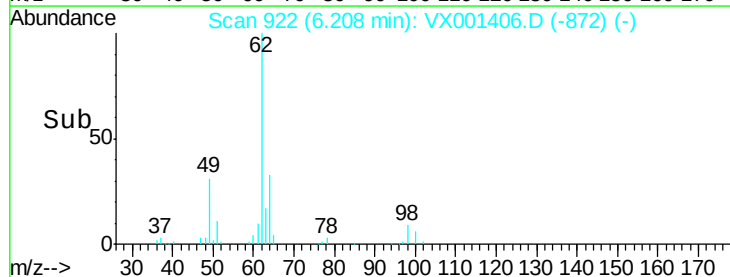
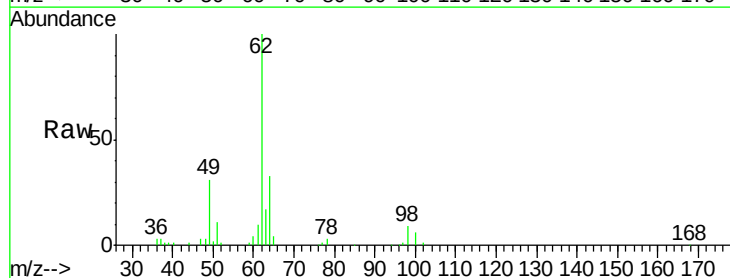
Manual Integrations
APPROVED

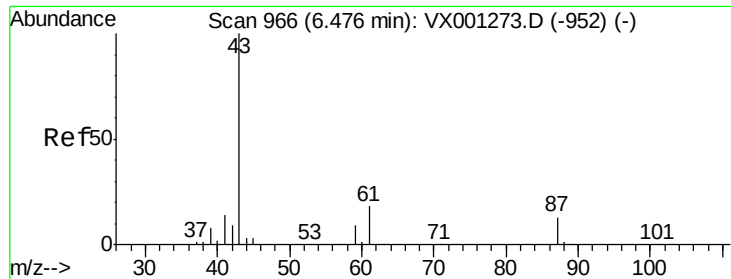
MMDadoda
5/7/2018 7:28:04 PM



#42
1,2-Dichloroethane
Concen: 22.046 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	17.2	





#43

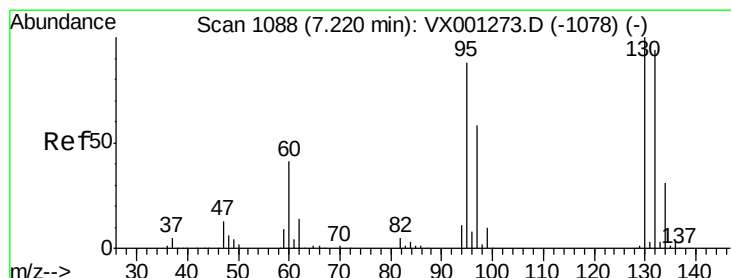
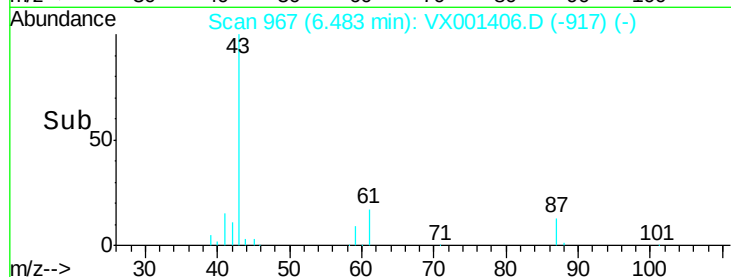
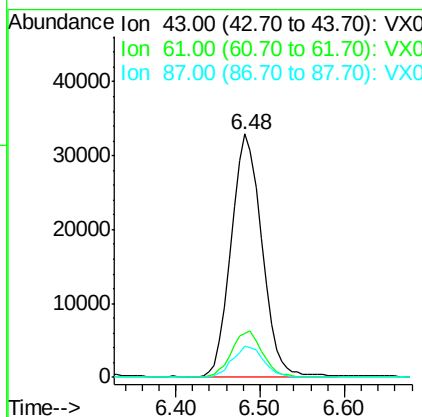
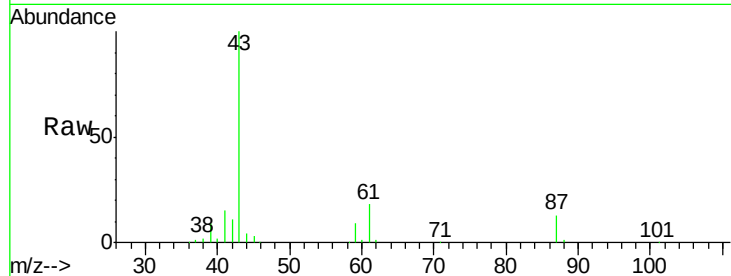
Isopropyl Acetate
 Concen: 23.978 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX001406.D
 Acq: 04 May 2018 19:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.0	22.4
87	13.0	10.2	15.4

Manual Integrations
 APPROVED

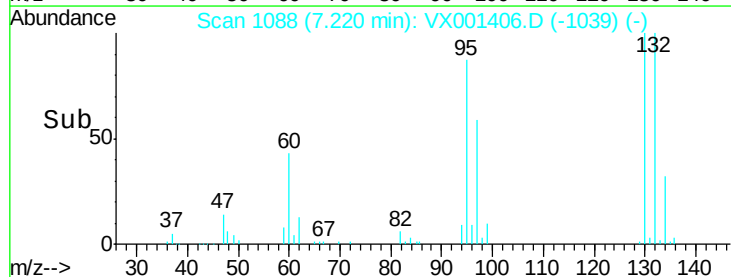
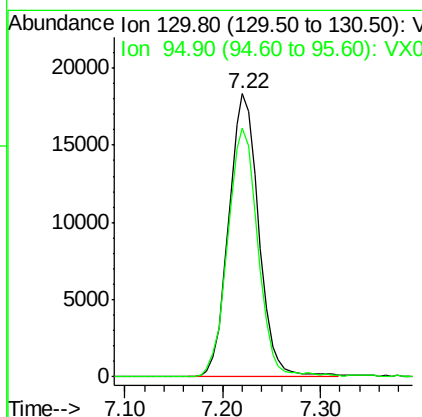
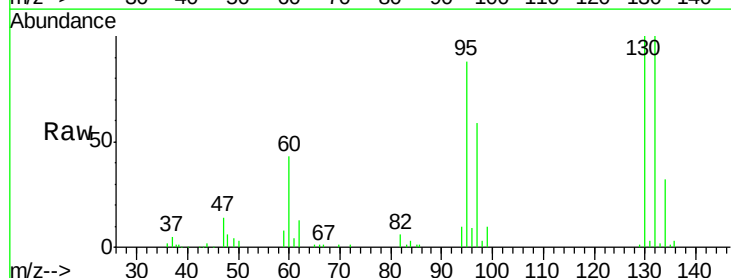
MMDadoda
 5/7/2018 7:28:04 PM

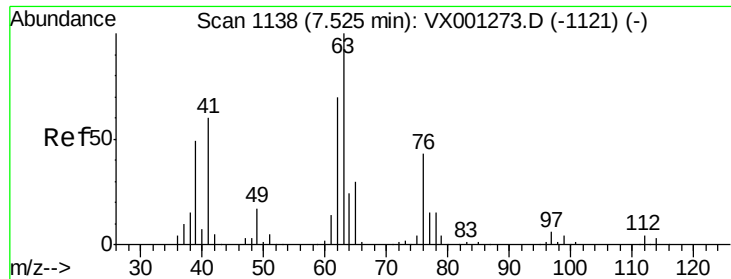


#44

Trichloroethene
 Concen: 21.452 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001406.D
 Acq: 04 May 2018 19:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.7	0.0	176.0





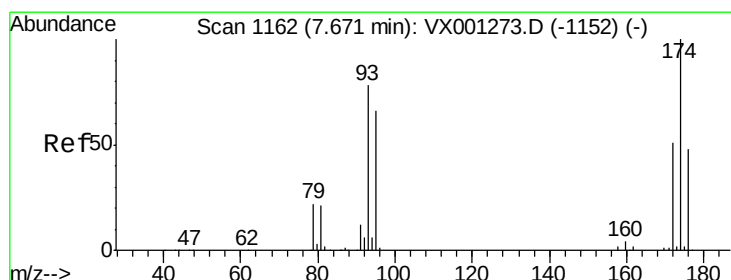
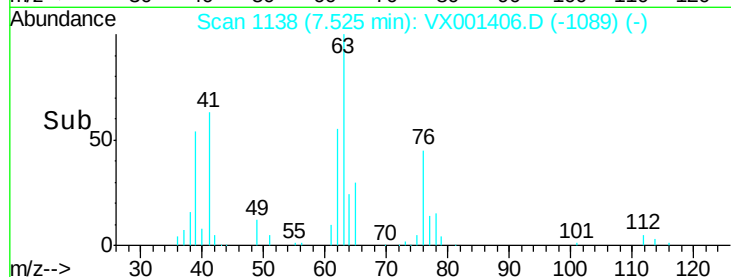
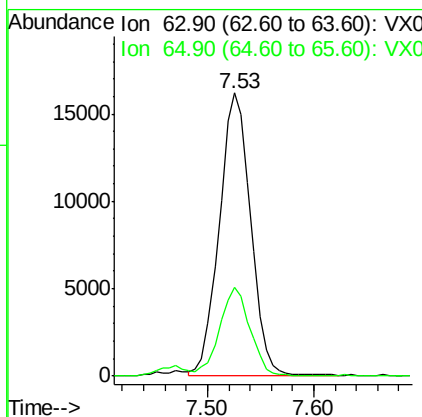
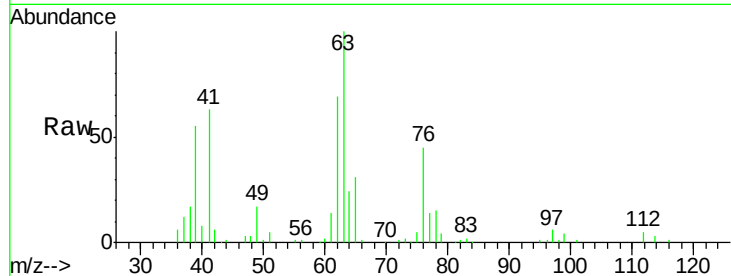
#45
 1,2-Dichloropropane
 Concen: 21.810 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001406.D
 Acq: 04 May 2018 19:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504MBS01

Tot Ion: 63 Resp: 33370
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.2 36.4

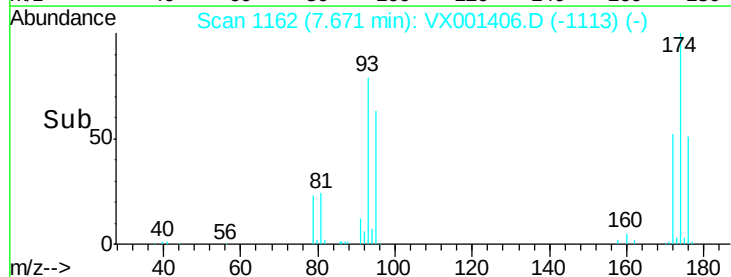
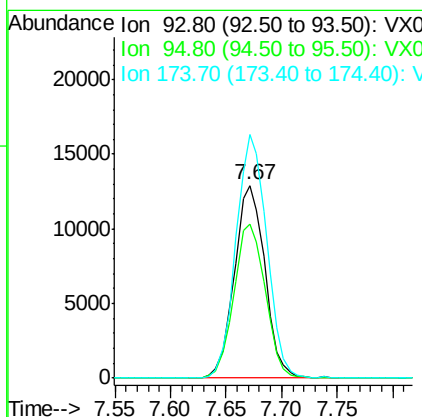
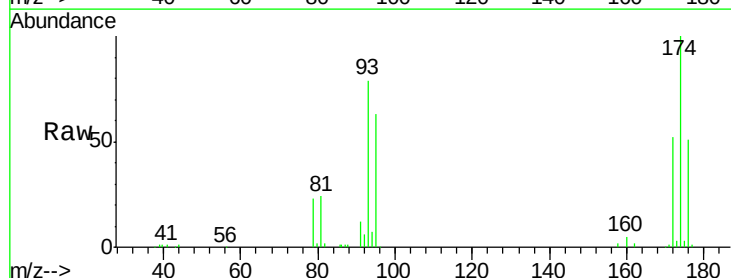
Manual Integrations
 APPROVED

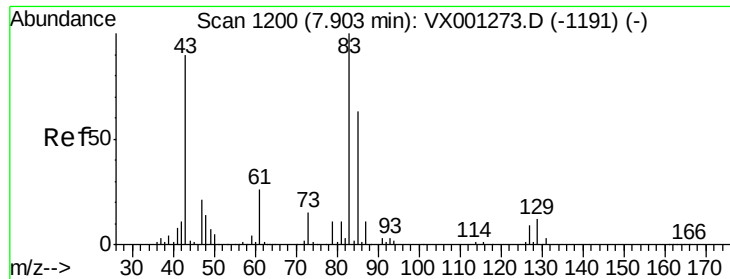
MMDadoda
 5/7/2018 7:28:04 PM



#46
 Dibromomethane
 Concen: 22.805 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001406.D
 Acq: 04 May 2018 19:26

Tgt Ion: 93 Resp: 24458
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.0 100.6
 174 127.8 102.3 153.5





#47

Bromodichloromethane

Concen: 21.971 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

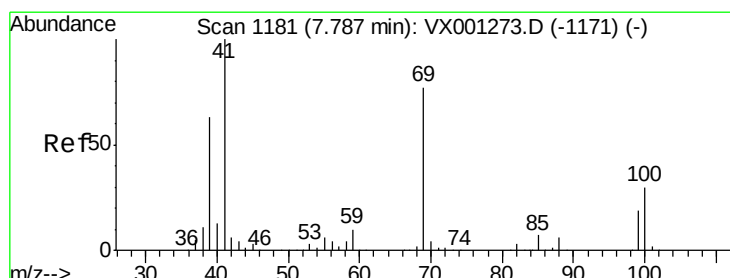
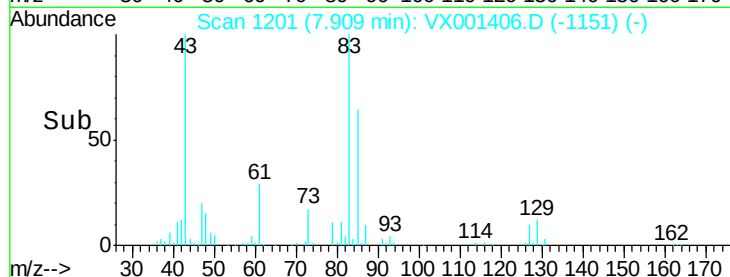
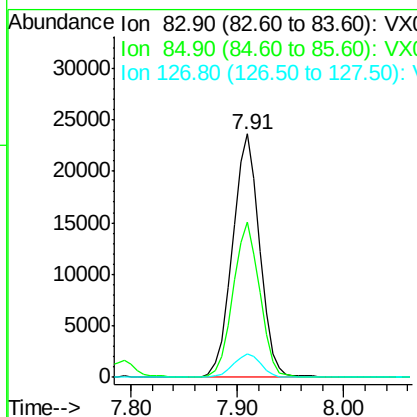
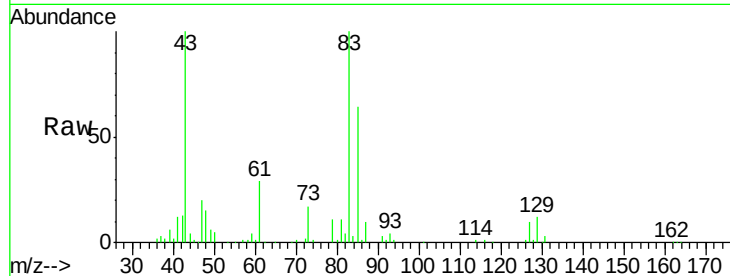
ClientSampleId :

VX0504MBS01

Tot Ion:	83	Resp:	42131
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.3	75.5
127	9.6	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
5/7/2018 7:28:04 PM



#48

Methyl methacrylate

Concen: 23.897 ug/l

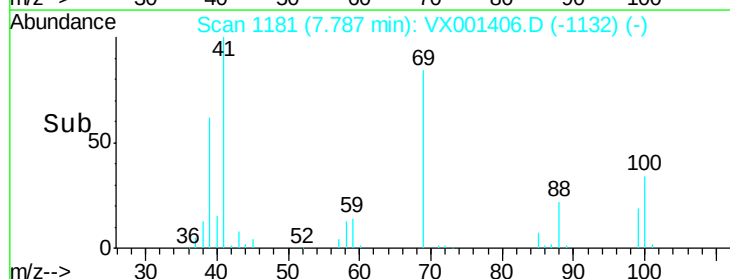
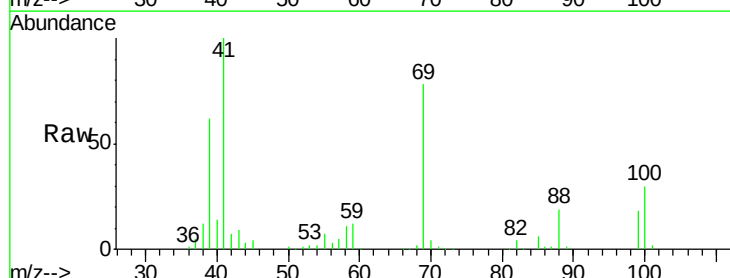
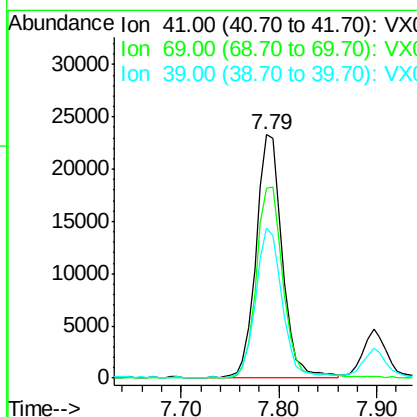
RT: 7.79 min Scan# 1181

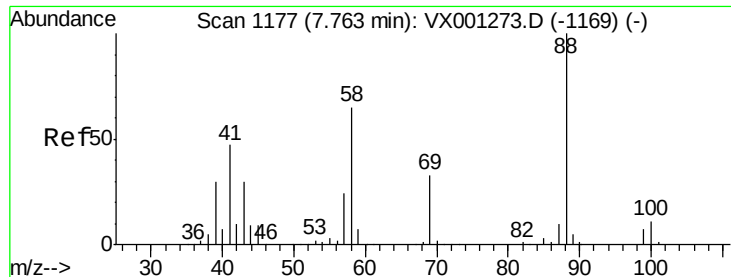
Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Tgt Ion:	41	Resp:	43012
Ion Ratio	Lower	Upper	
41	100		
69	81.7	63.0	94.6
39	62.5	50.2	75.4





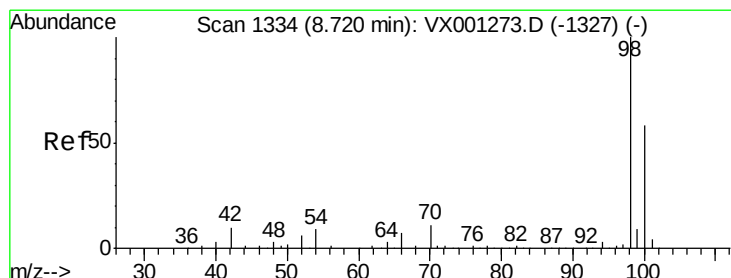
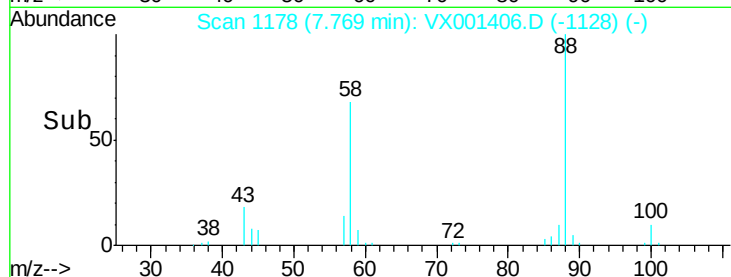
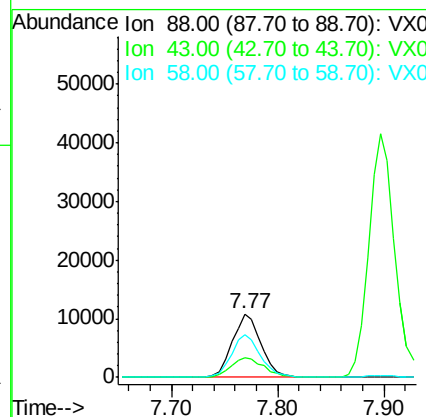
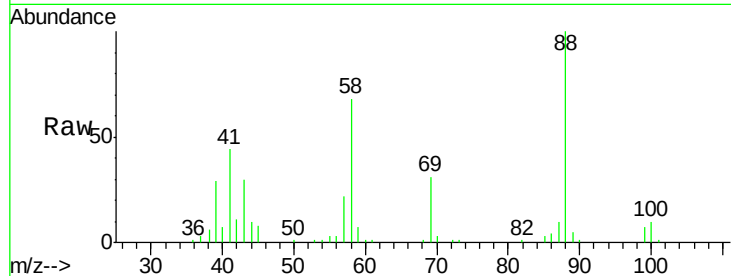
#49
1,4-Dioxane
Concen: 599.626 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Instrument :
MSVOA_X
ClientSampleId :
VX0504MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	27.9	41.9
58	67.9	54.2	81.2

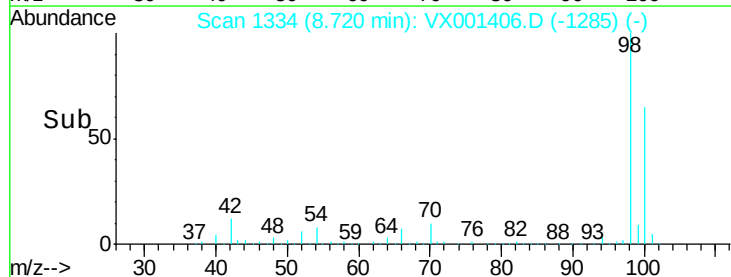
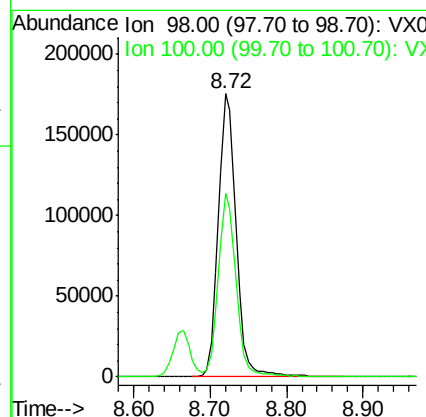
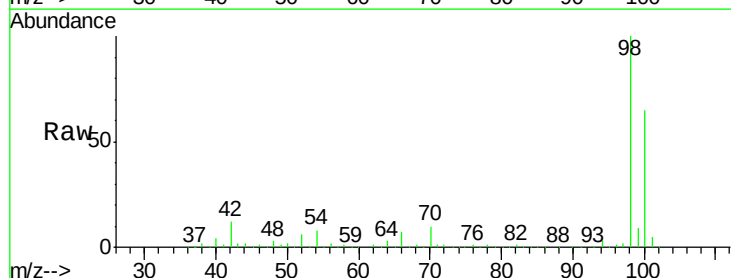
Manual Integrations
APPROVED

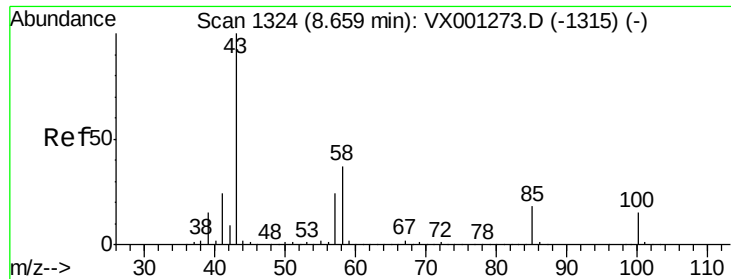
MMDadoda
5/7/2018 7:28:04 PM



#50
Toluene-d8
Concen: 51.326 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 138.243 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

VX0504MBS01

Tot Ion: 43 Resp: 301762

Ion Ratio Lower Upper

43 100

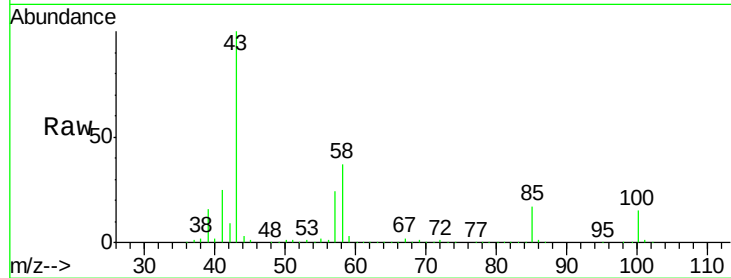
58 36.3 29.0 43.6

Manual Integrations

APPROVED

MMDadoda

5/7/2018 7:28:04 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

200000

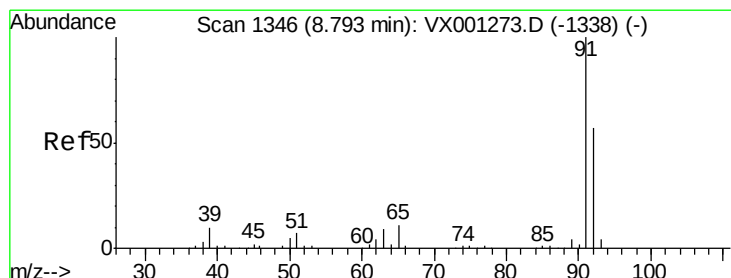
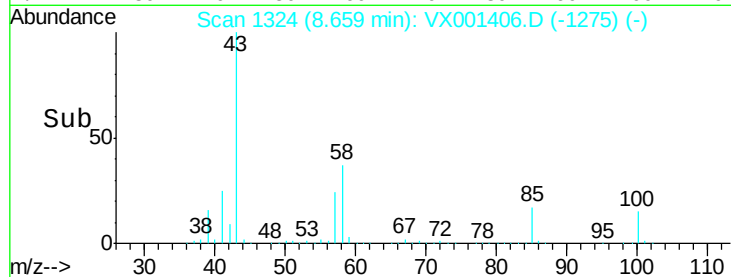
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.511 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001406.D

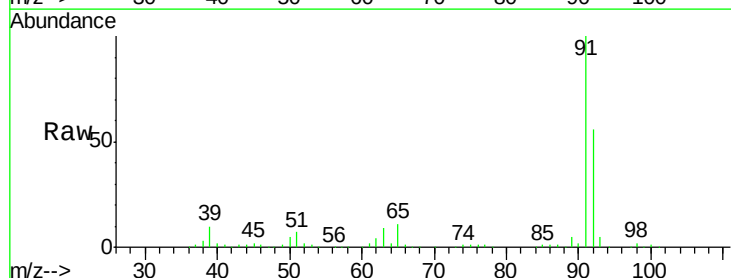
Acq: 04 May 2018 19:26

Tgt Ion: 92 Resp: 79883

Ion Ratio Lower Upper

92 100

91 176.8 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

100000

80000

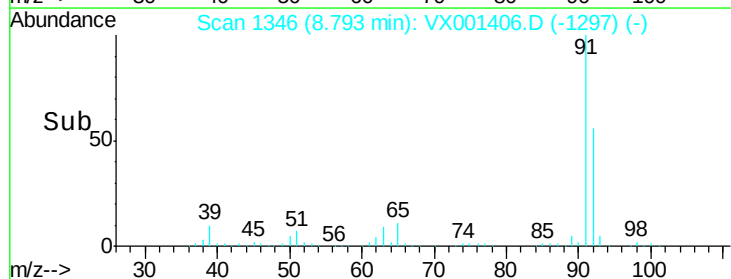
60000

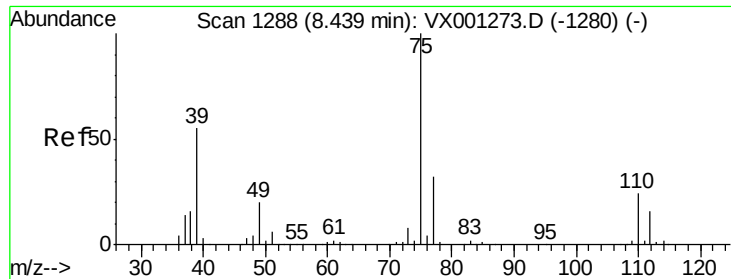
40000

20000

0

Time-->





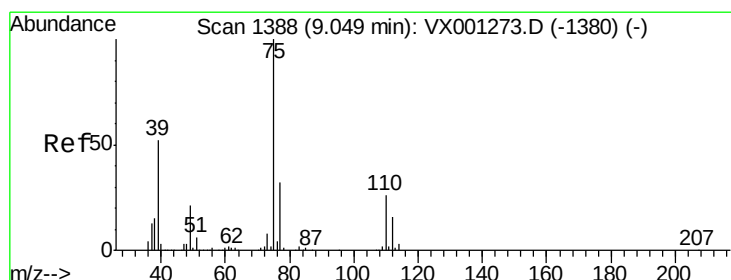
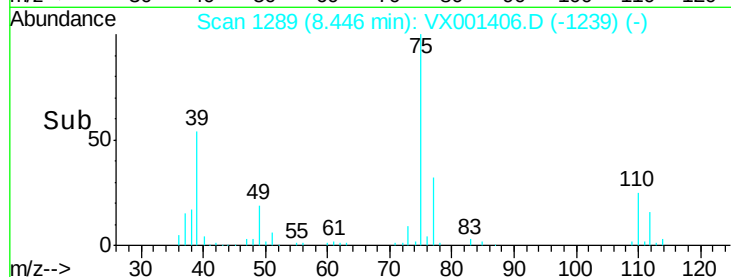
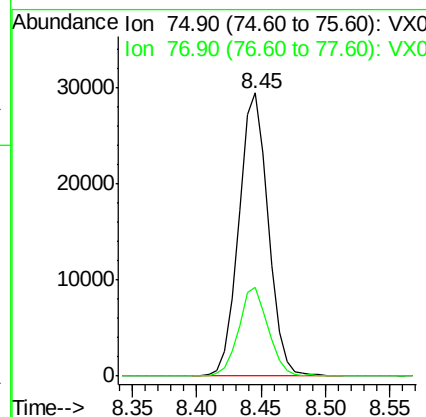
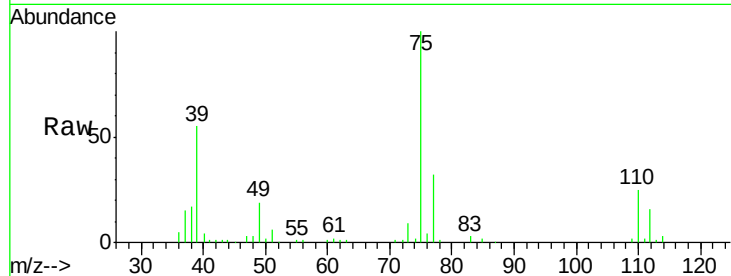
#53
 t-1,3-Dichloropropene
 Concen: 20.389 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. 0.01 min
 Lab File: VX001406.D
 Acq: 04 May 2018 19:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504MBS01

Tot Ion: 75 Resp: 46496
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.6 38.4

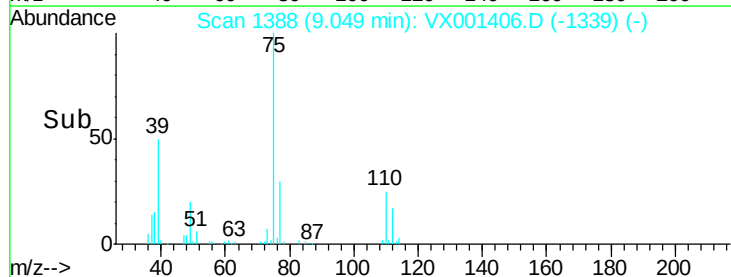
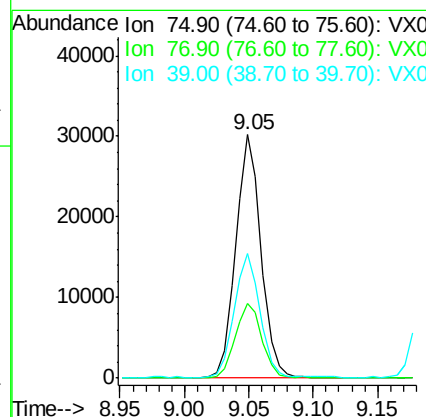
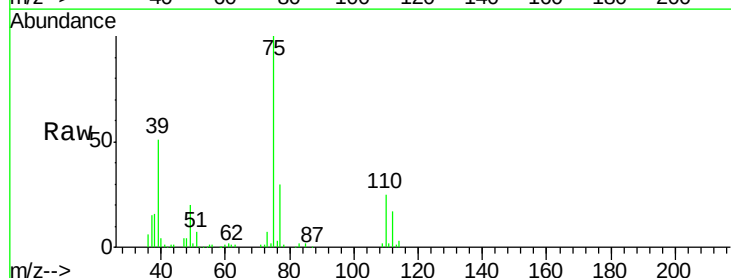
Manual Integrations
 APPROVED

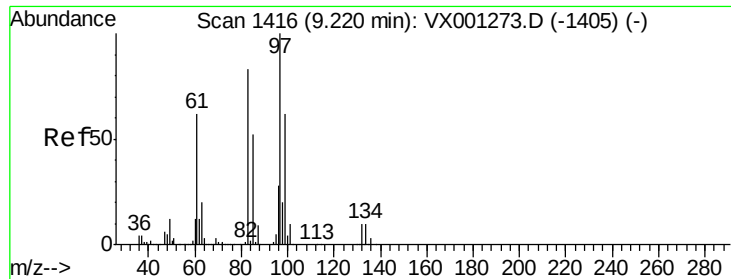
MMDadoda
 5/7/2018 7:28:04 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.789 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001406.D
 Acq: 04 May 2018 19:26

Tgt Ion: 75 Resp: 41518
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.5 38.3
 39 51.0 41.9 62.9





#55

1,1,2-Trichloroethane

Concen: 23.874 ug/l

RT: 9.23 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

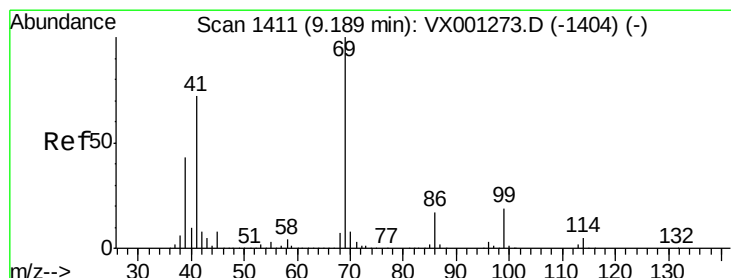
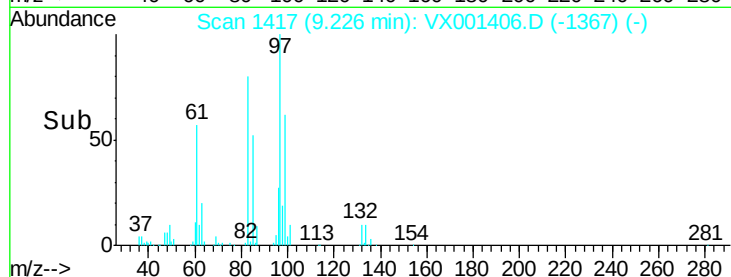
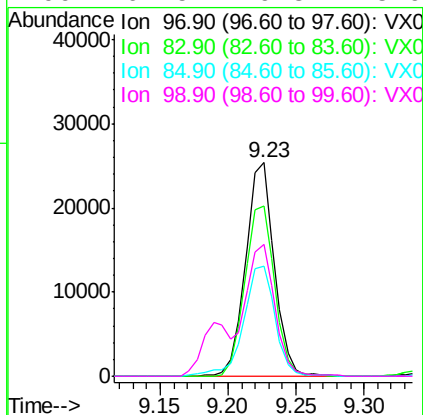
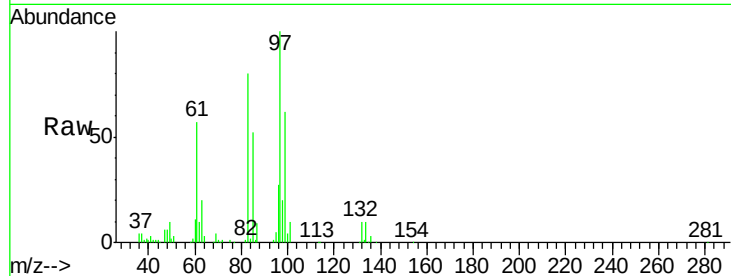
ClientSampleId :

VX0504MBS01

Tot Ion:	97	Resp:	37560
Ion	Ratio	Lower	Upper
97	100		
83	79.6	66.4	99.6
85	51.3	41.6	62.4
99	61.5	49.3	73.9

Manual Integrations
APPROVED

MMDadoda
5/7/2018 7:28:04 PM



#56

Ethyl methacrylate

Concen: 23.149 ug/l

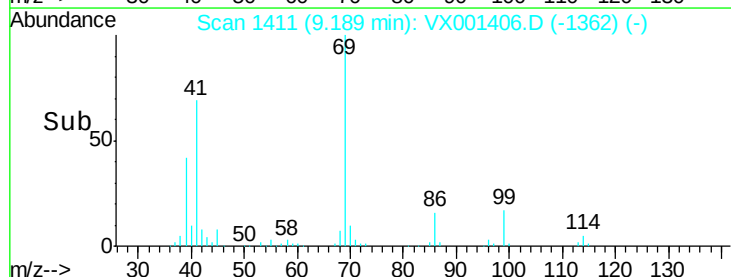
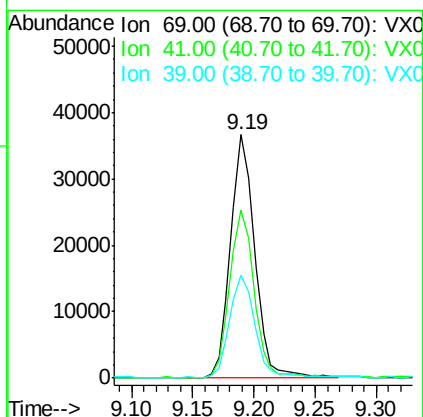
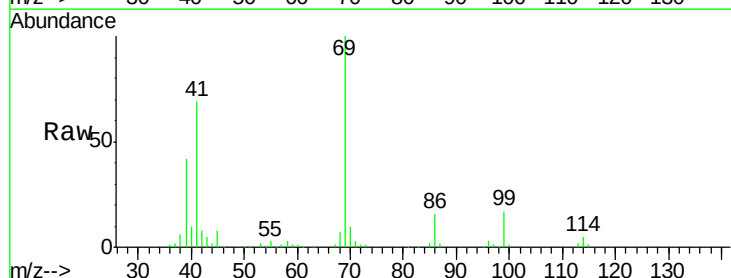
RT: 9.19 min Scan# 1411

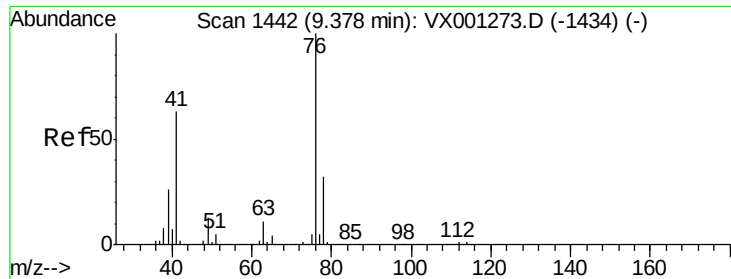
Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Tgt Ion:	69	Resp:	50463
Ion	Ratio	Lower	Upper
69	100		
41	70.0	57.2	85.8
39	43.7	34.3	51.5





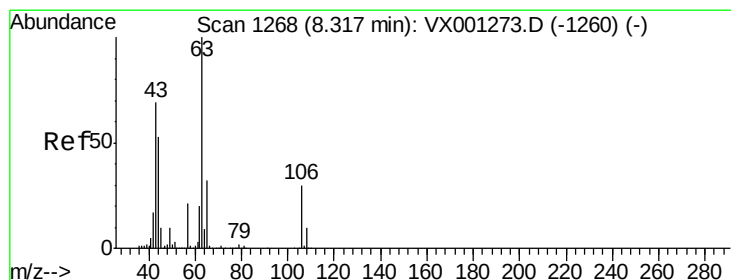
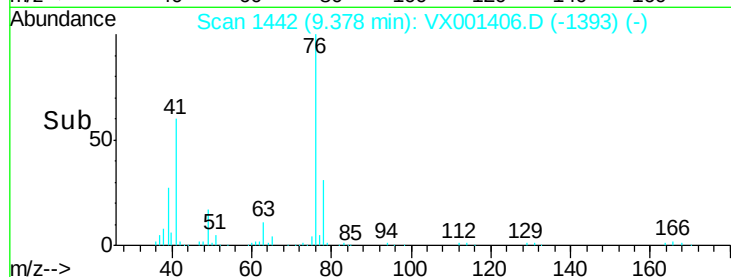
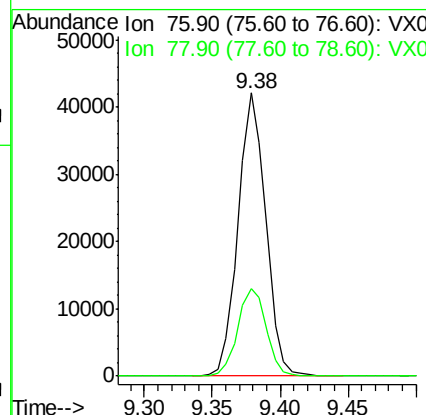
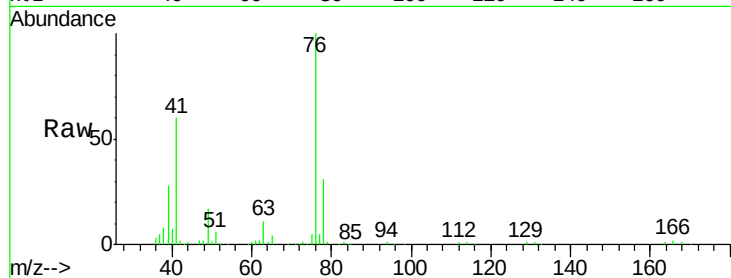
#57
 1,3-Dichloropropane
 Concen: 23.606 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001406.D
 Acq: 04 May 2018 19:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.6	38.4

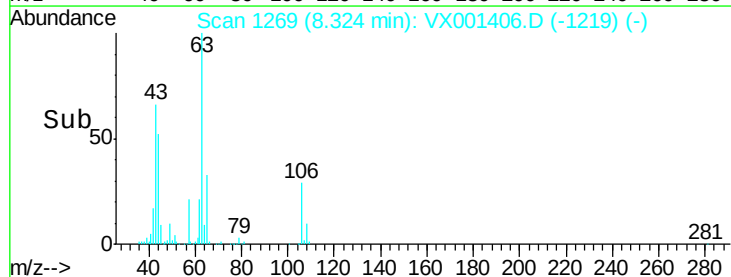
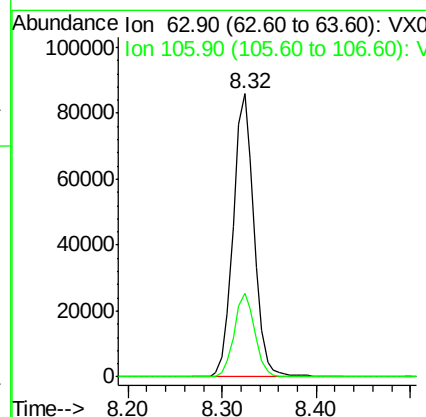
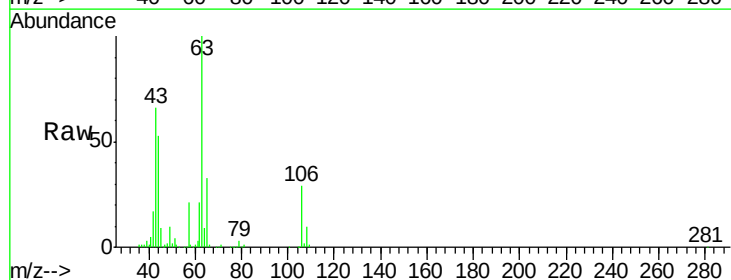
Manual Integrations
 APPROVED

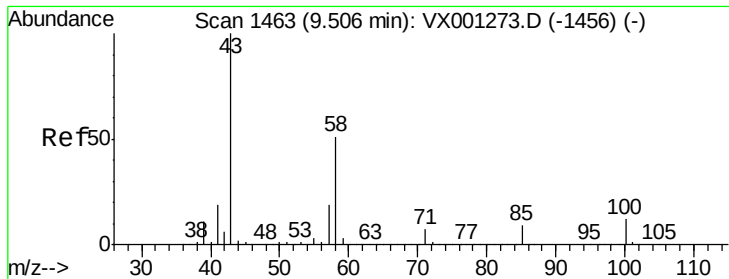
MMDadoda
 5/7/2018 7:28:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 125.430 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VX001406.D
 Acq: 04 May 2018 19:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.8	35.6





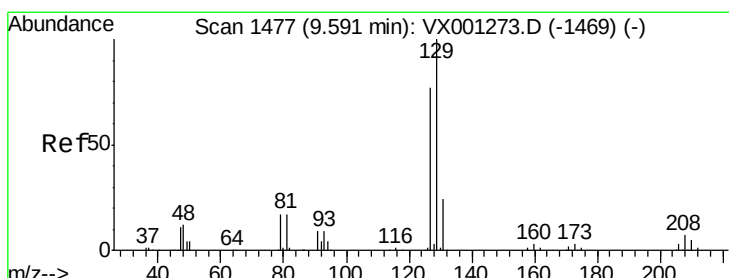
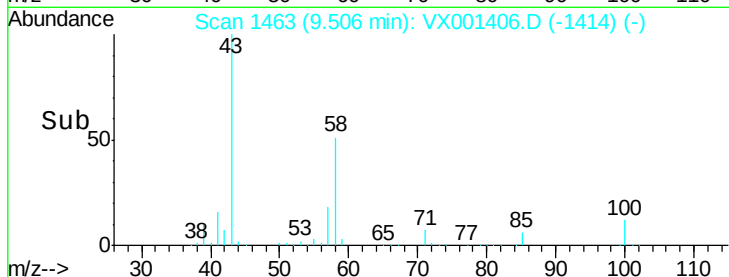
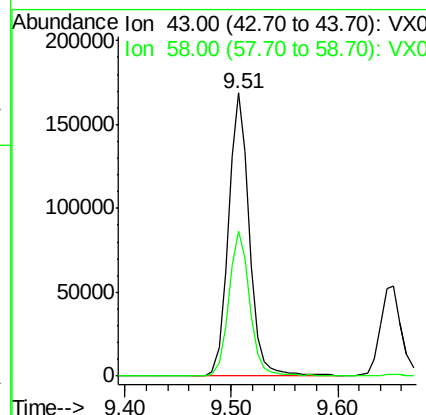
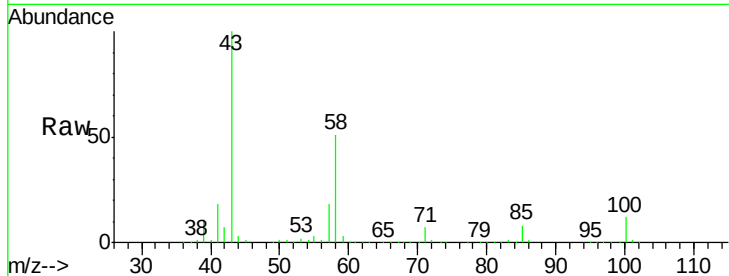
#59
2-Hexanone
Concen: 136.098 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Instrument :
MSVOA_X
ClientSampleId :
VX0504MBS01

Tot Ion: 43 Resp: 232194
Ion Ratio Lower Upper
43 100
58 51.2 25.7 77.0

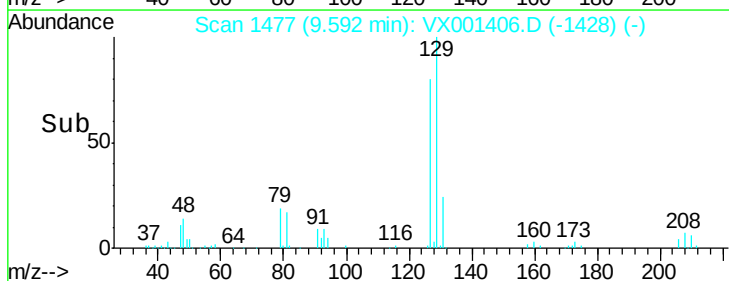
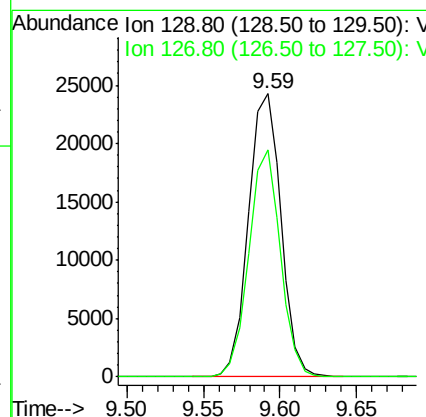
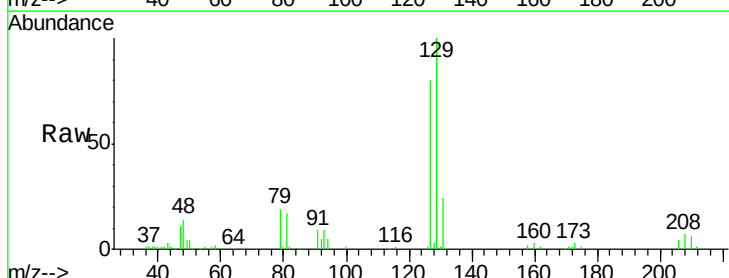
Manual Integrations
APPROVED

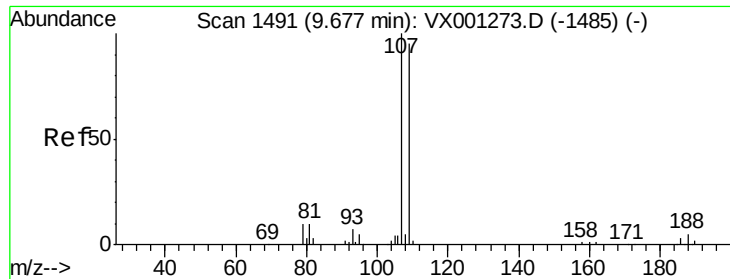
MMDadoda
5/7/2018 7:28:04 PM



#60
Dibromochloromethane
Concen: 21.892 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Tgt Ion: 129 Resp: 35928
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.3





#61

1,2-Dibromoethane

Concen: 23.365 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

VX0504MBS01

Tot Ion:107 Resp: 38960

Ion Ratio Lower Upper

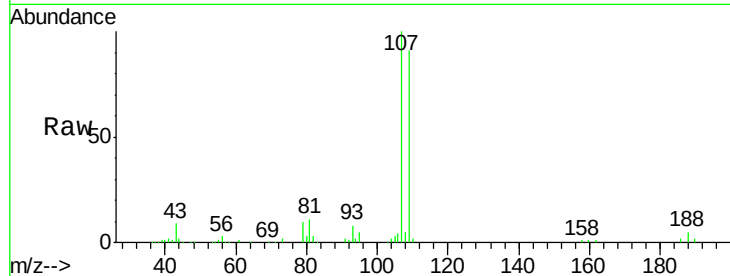
107 100

109 95.0 75.4 113.2

Manual Integrations
APPROVED

MMDadoda

5/7/2018 7:28:04 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

30000

25000

20000

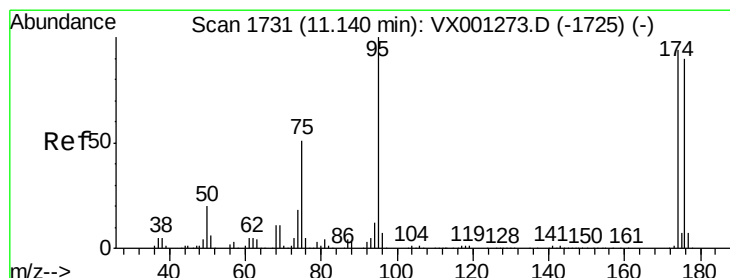
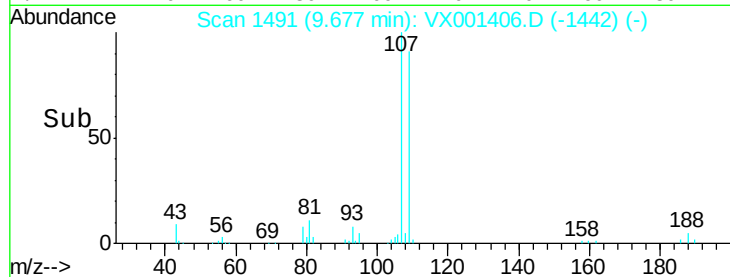
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.027 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

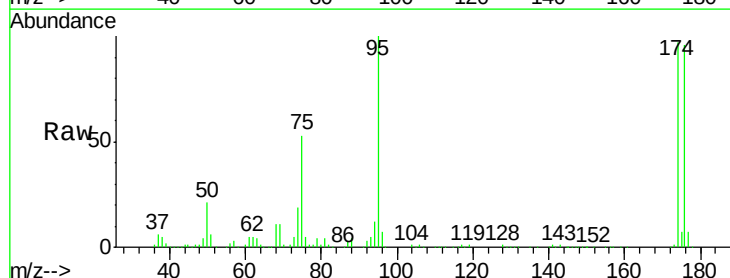
Tgt Ion: 95 Resp: 103881

Ion Ratio Lower Upper

95 100

174 105.2 0.0 201.8

176 102.0 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

11.14

100000

80000

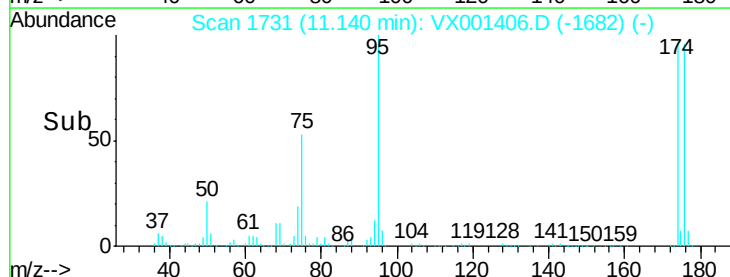
60000

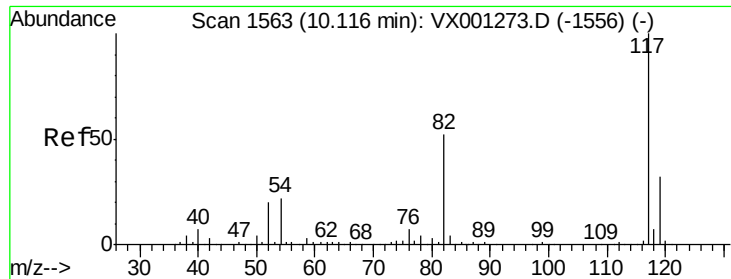
40000

20000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

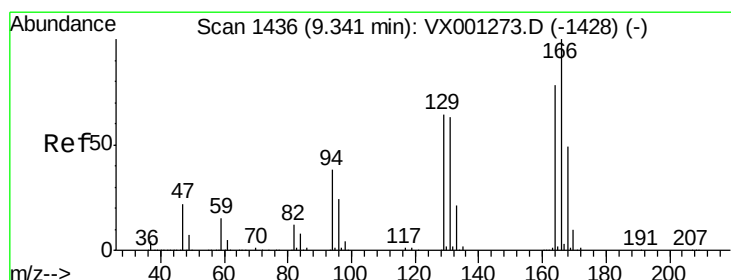
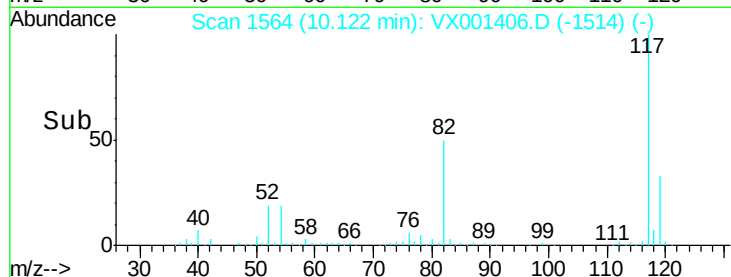
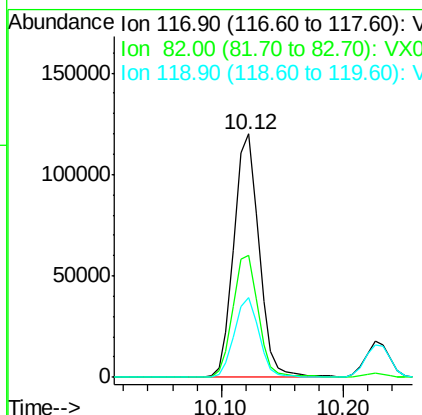
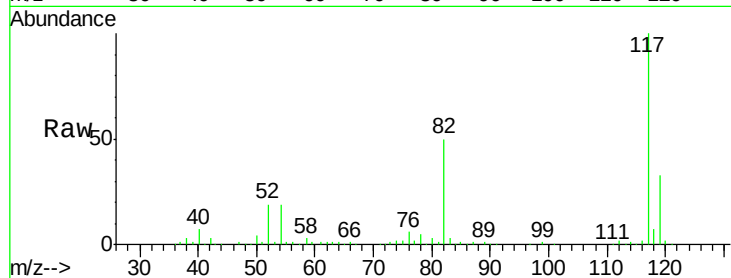
ClientSampleId :

VX0504MBS01

Tot Ion:	117	Resp:	170867
Ion Ratio		Lower	Upper
117	100		
82	50.3	41.4	62.0
119	32.8	25.5	38.3

Manual Integrations
APPROVED

MMDadoda
5/7/2018 7:28:04 PM



#64

Tetrachloroethene

Concen: 23.454 ug/l

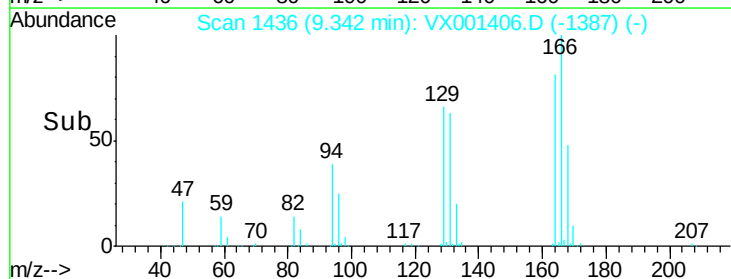
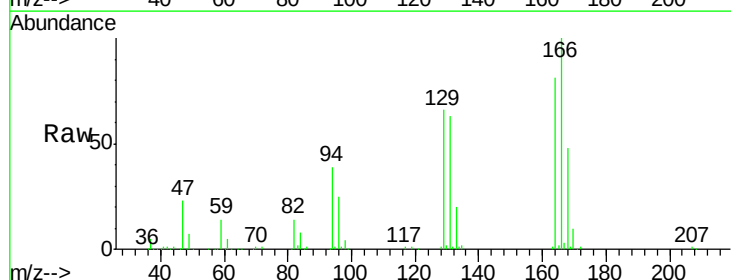
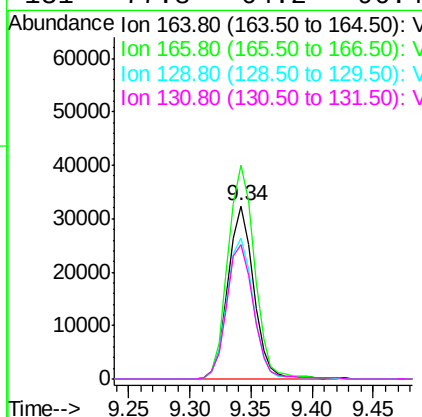
RT: 9.34 min Scan# 1436

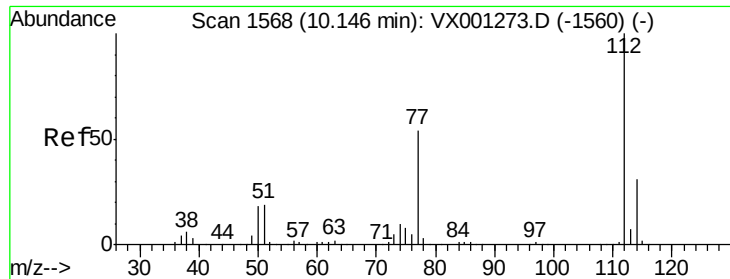
Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Tgt Ion:	164	Resp:	47478
Ion Ratio		Lower	Upper
164	100		
166	123.2	102.3	153.5
129	81.2	65.1	97.7
131	77.8	64.2	96.4





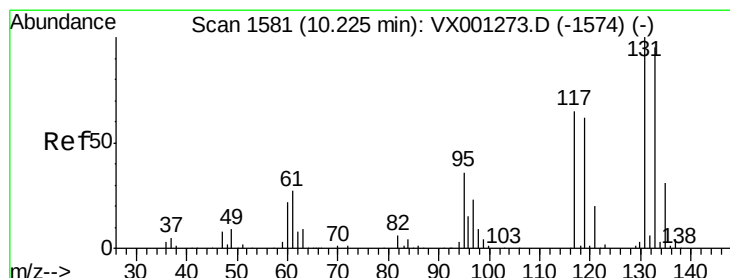
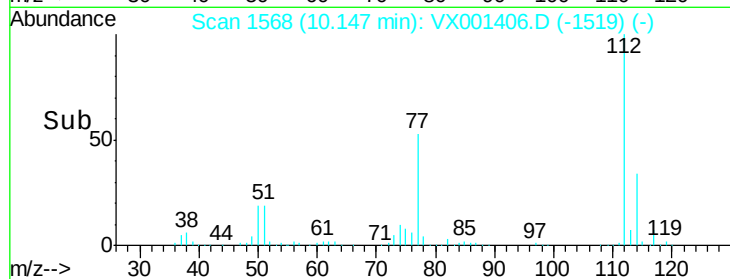
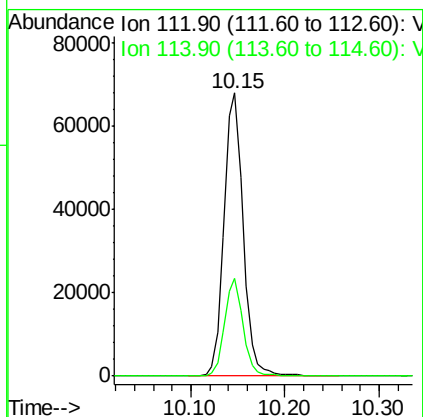
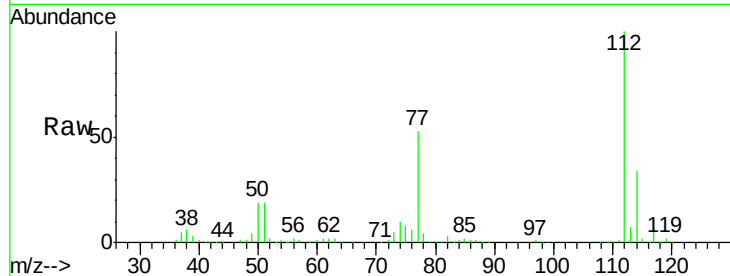
#65
Chlorobenzene
Concen: 20.717 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Instrument :
MSVOA_X
ClientSampleId :
VX0504MBS01

Tot Ion:112 Resp: 96269
Ion Ratio Lower Upper
112 100
114 34.4 24.8 37.2

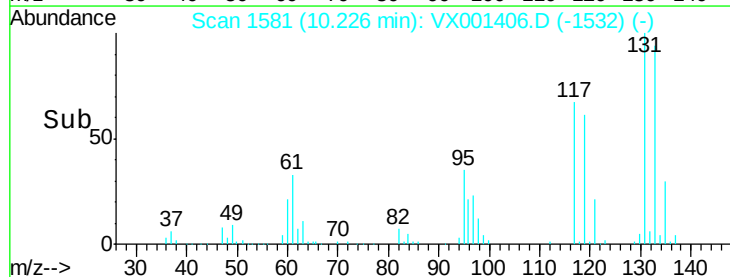
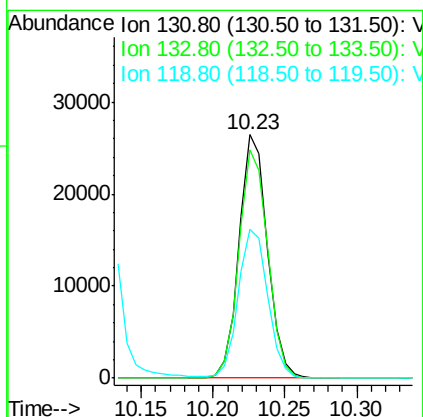
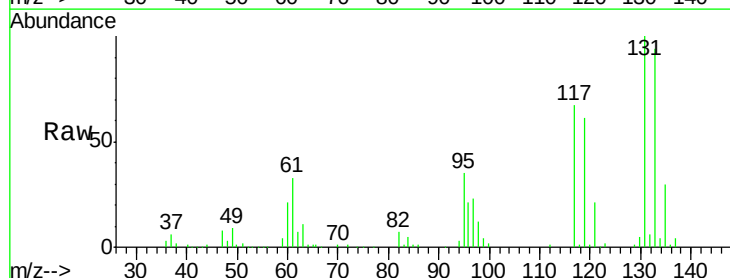
Manual Integrations
APPROVED

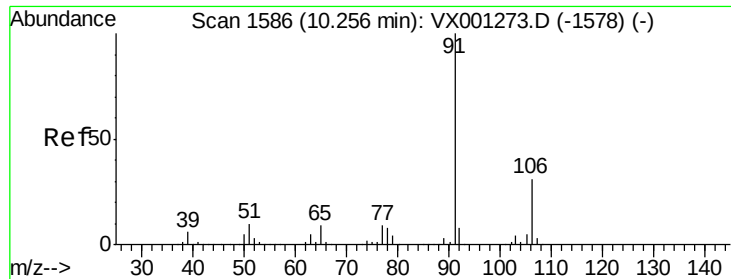
MMDadoda
5/7/2018 7:28:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.367 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Tgt Ion:131 Resp: 36080
Ion Ratio Lower Upper
131 100
133 95.3 48.3 144.9
119 63.8 31.2 93.6





#67

Ethyl Benzene

Concen: 19.540 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

VX0504MBS01

Tot Ion: 91 Resp: 149629

Ion Ratio Lower Upper

91 100

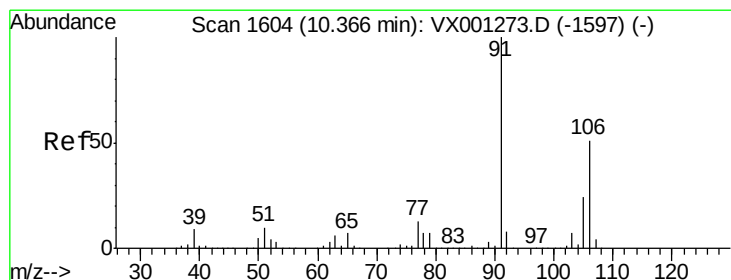
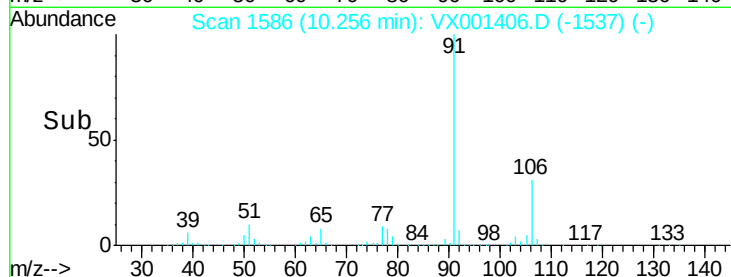
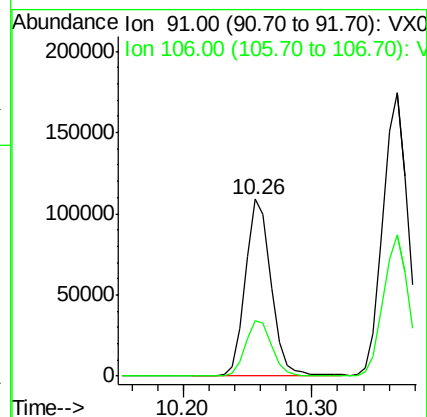
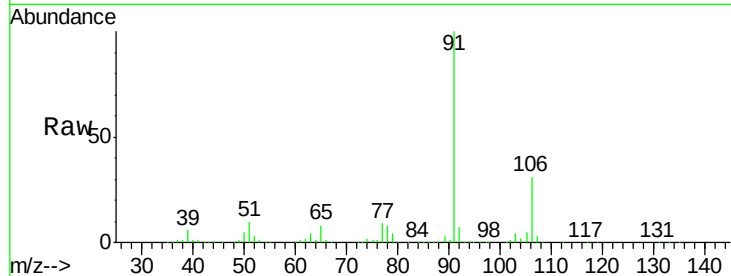
106 31.5 24.9 37.3

Manual Integrations

APPROVED

MMDadoda

5/7/2018 7:28:04 PM



#68

m/p-Xylenes

Concen: 39.712 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001406.D

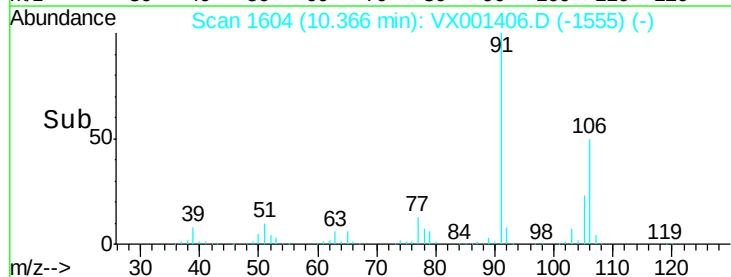
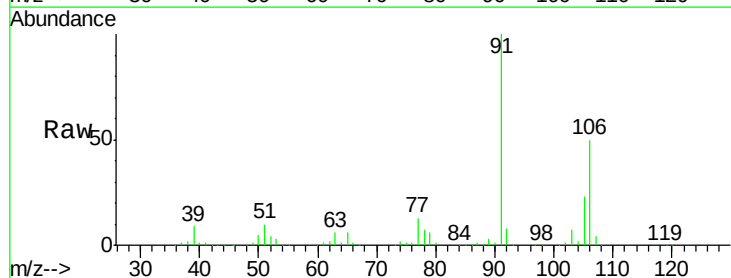
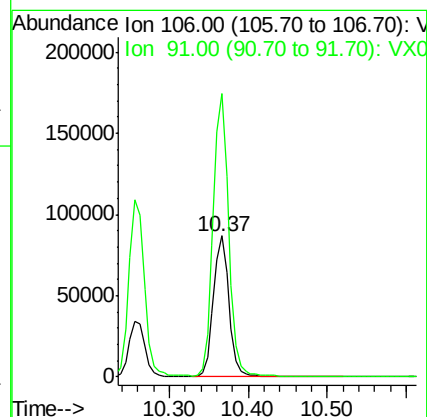
Acq: 04 May 2018 19:26

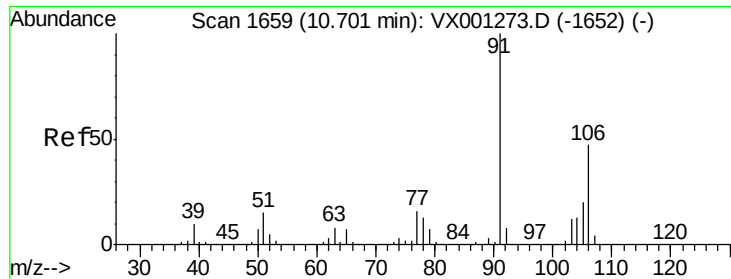
Tgt Ion: 106 Resp: 119659

Ion Ratio Lower Upper

106 100

91 201.0 159.4 239.2





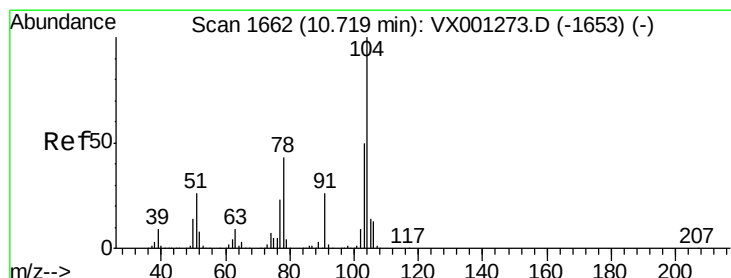
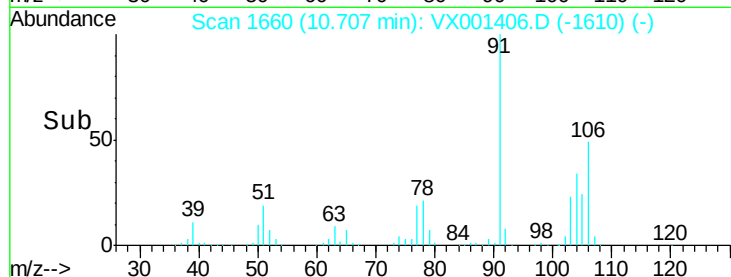
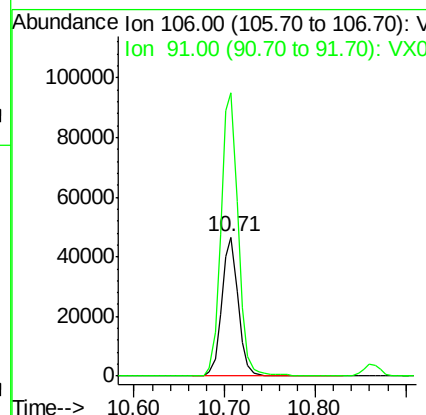
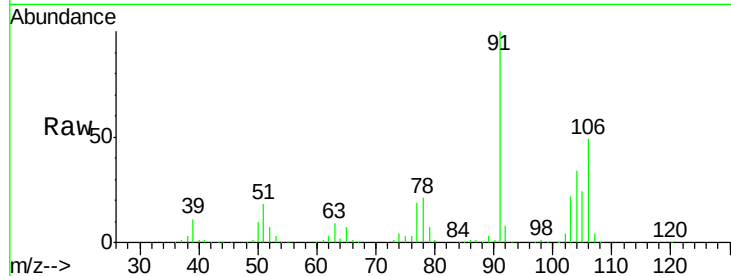
#69
o-Xylene
Concen: 20.275 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Instrument :
MSVOA_X
ClientSampled :
VX0504MBS01

Tot Ion:106 Resp: 59251
Ion Ratio Lower Upper
106 100
91 212.8 106.3 319.0

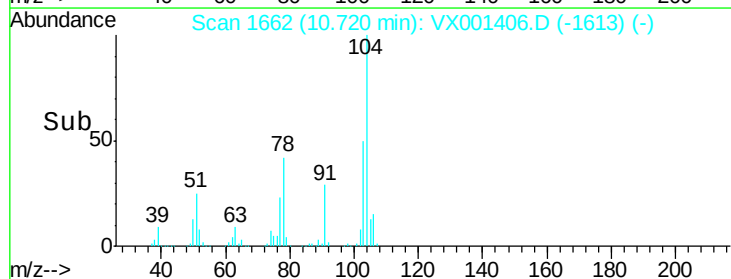
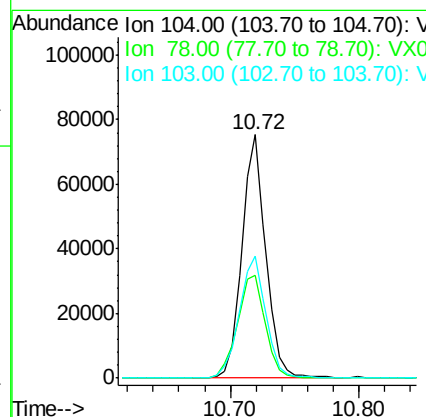
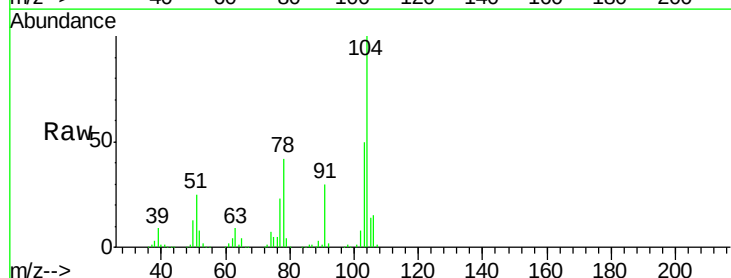
Manual Integrations
APPROVED

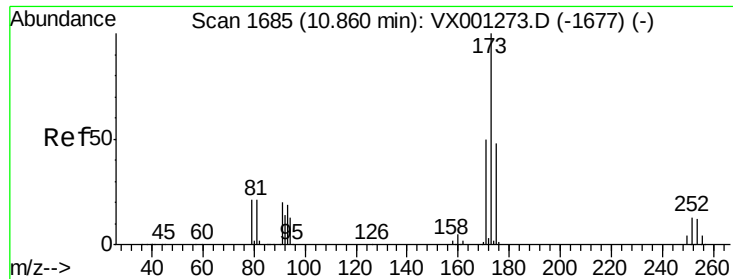
MMDadoda
5/7/2018 7:28:04 PM



#70
Styrene
Concen: 20.217 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Tgt Ion:104 Resp: 96624
Ion Ratio Lower Upper
104 100
78 50.2 40.1 60.1
103 56.3 44.5 66.7





#71

Bromoform

Concen: 21.618 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

VX0504MBS01

Tot Ion:173 Resp: 29918

Ion Ratio Lower Upper

173 100

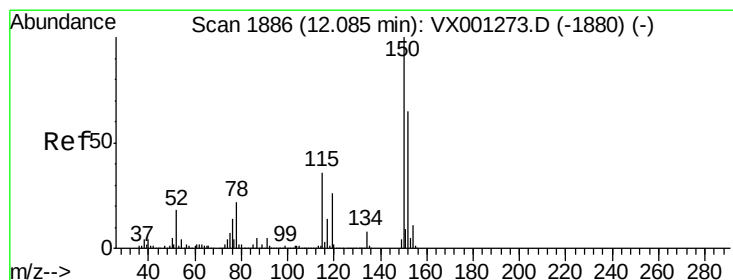
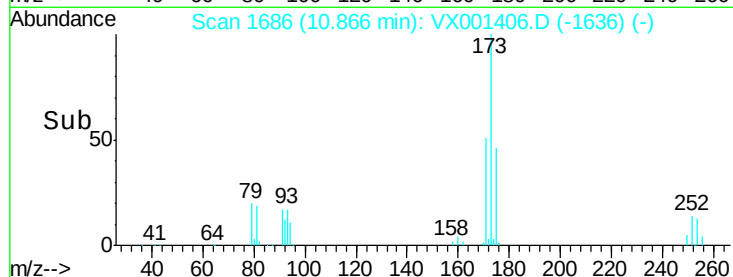
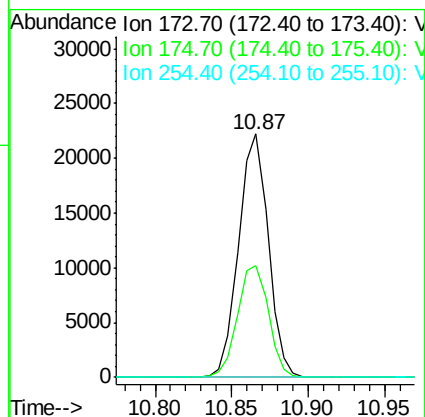
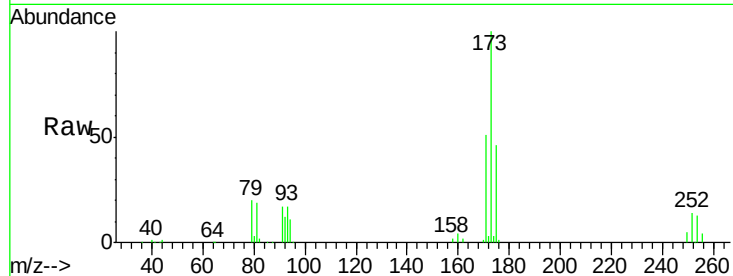
175 47.8 24.6 74.0

254 0.0 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda

5/7/2018 7:28:04 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

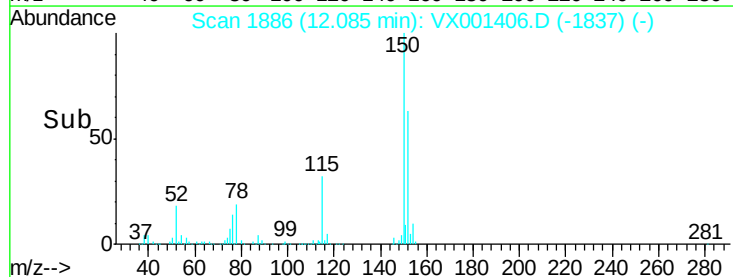
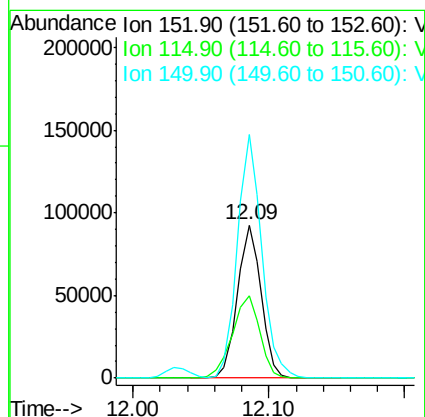
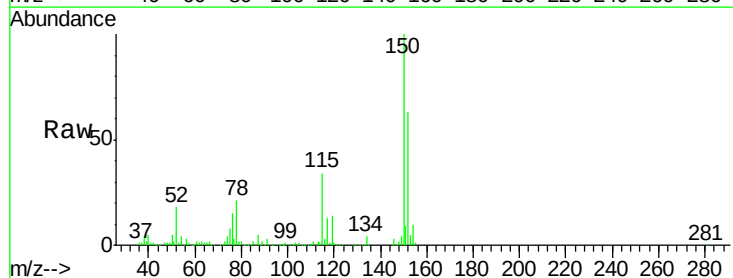
Tgt Ion:152 Resp: 111371

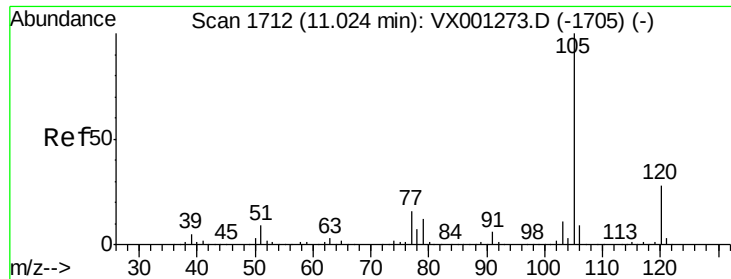
Ion Ratio Lower Upper

152 100

115 63.0 38.6 115.7

150 165.1 0.0 349.2





#73

Isopropylbenzene

Concen: 20.915 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

VX0504MBS01

Tot Ion: 105 Resp: 155832

Ion Ratio Lower Upper

105 100

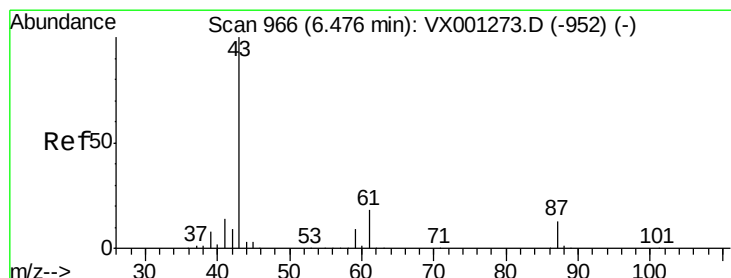
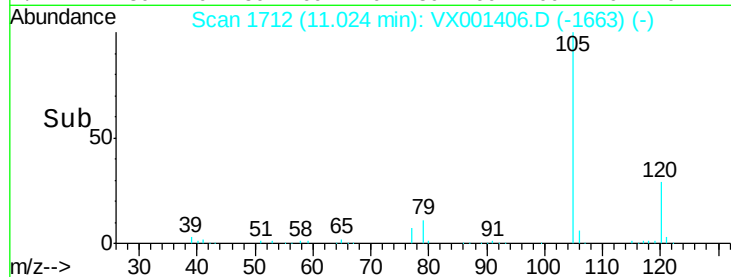
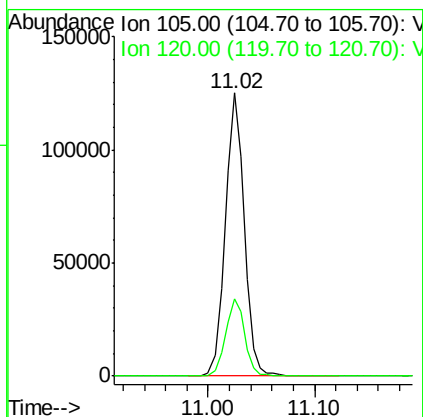
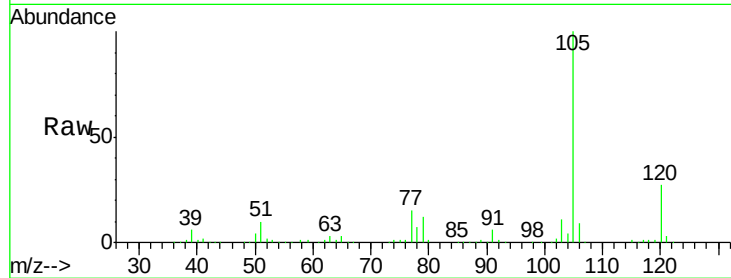
120 27.7 13.7 41.1

Manual Integrations

APPROVED

MMDadoda

5/7/2018 7:28:04 PM



#74

N-ethyl acetate

Concen: 25.401 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Tgt Ion: 43 Resp: 81187

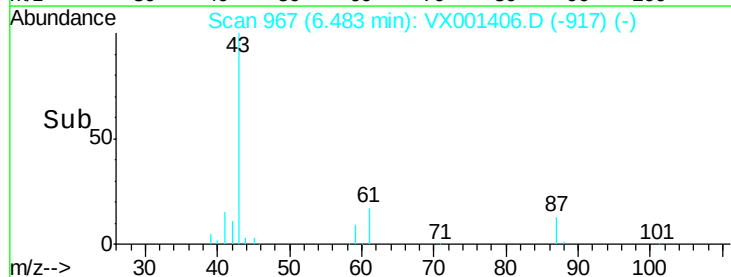
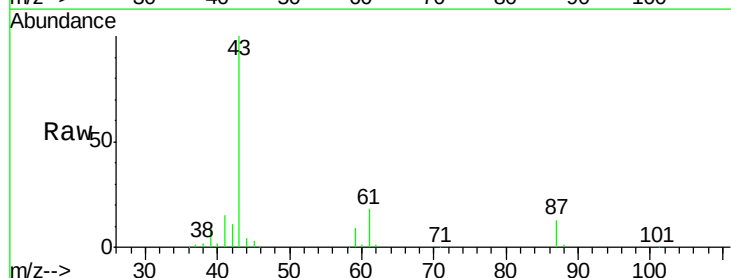
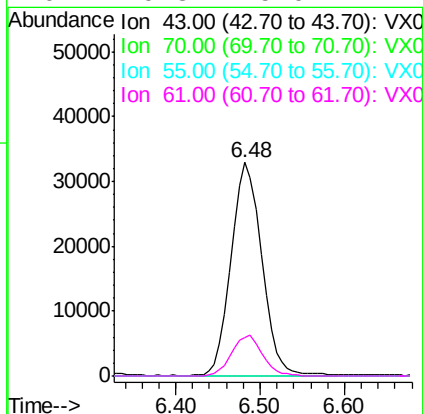
Ion Ratio Lower Upper

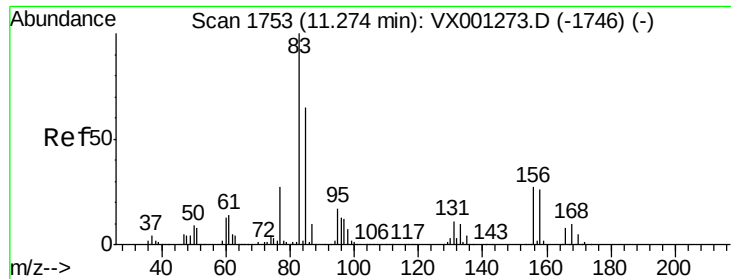
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 19.3 15.0 22.4





#75

1,1,2,2-Tetrachloroethane

Concen: 24.369 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

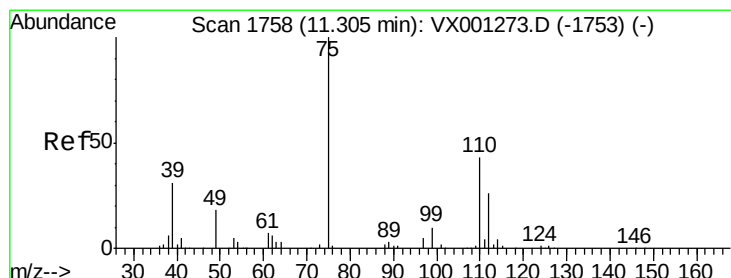
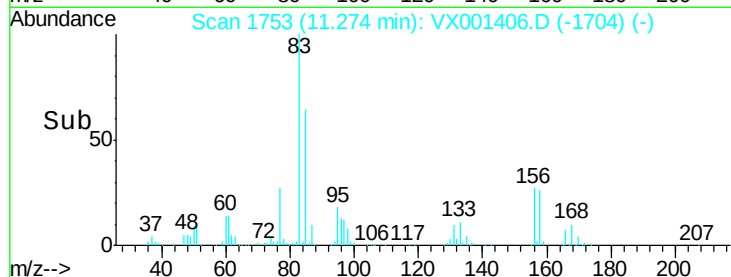
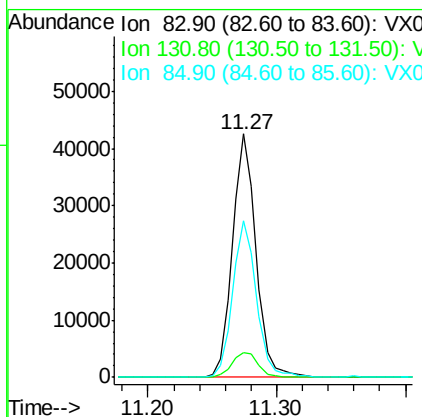
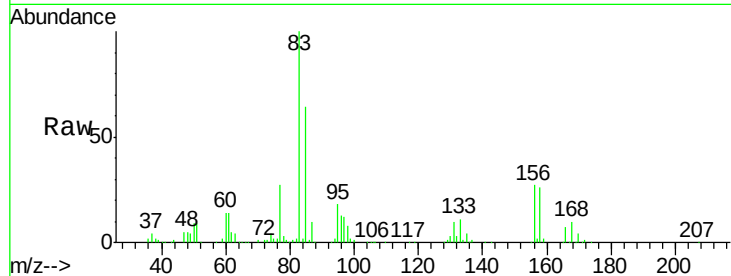
ClientSampleId :

VX0504MBS01

Tot Ion	83	Resp	54396
Ion Ratio	100	Lower	Upper
83	100		
131	11.4	5.8	17.3
85	65.0	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
5/7/2018 7:28:04 PM



#76

1,2,3-Trichloropropane

Concen: 25.645 ug/l m

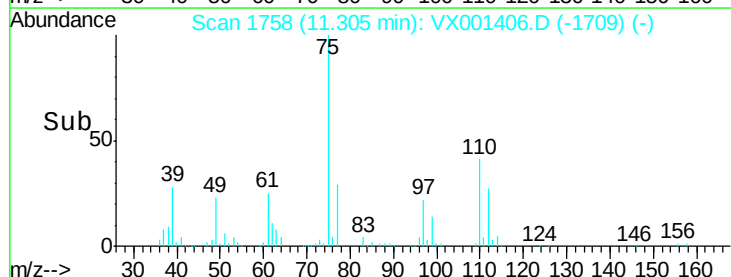
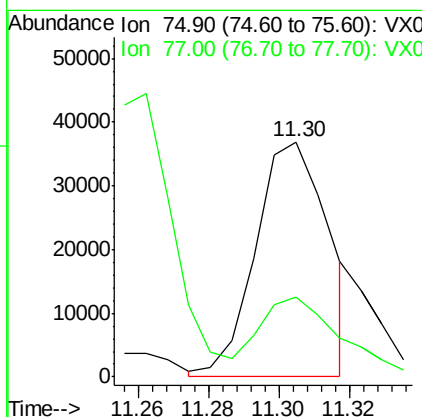
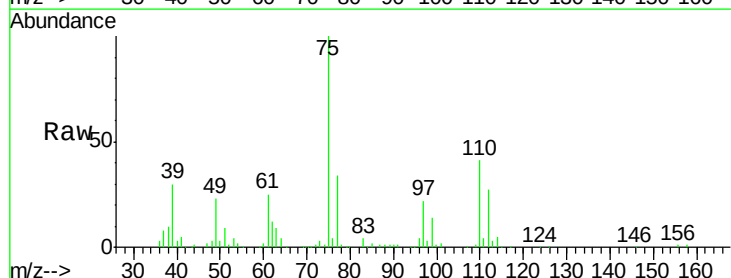
RT: 11.30 min Scan# 1758

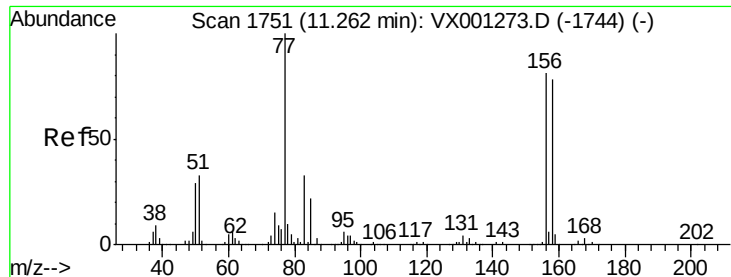
Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Tgt Ion	75	Resp	52813
Ion Ratio	100	Lower	Upper
75	100		
77	37.9	18.9	56.5





#77

Bromobenzene

Concen: 22.381 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

VX0504MBS01

Tot Ion:156 Resp: 48097

Ion Ratio Lower Upper

156 100

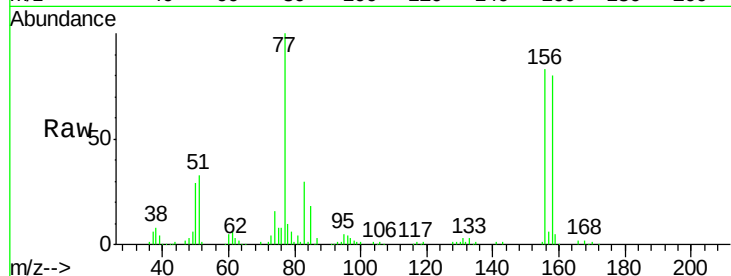
77 126.2 65.3 195.8

158 98.2 48.5 145.5

Manual Integrations
APPROVED

MMDadoda

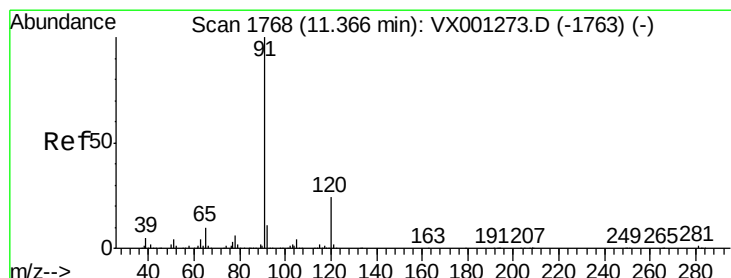
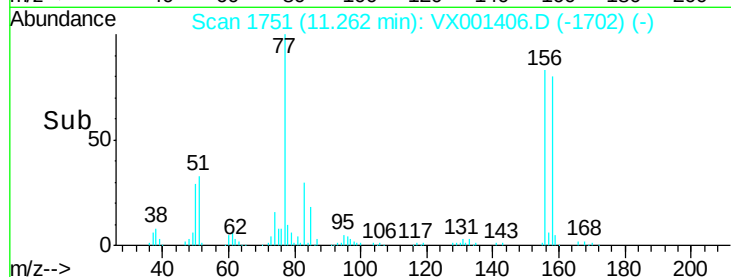
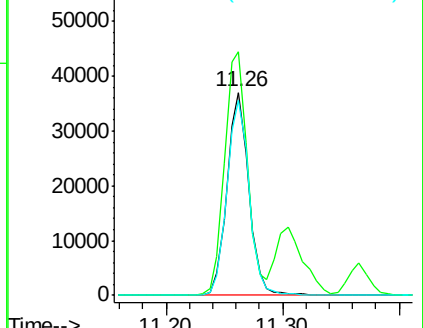
5/7/2018 7:28:04 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.862 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001406.D

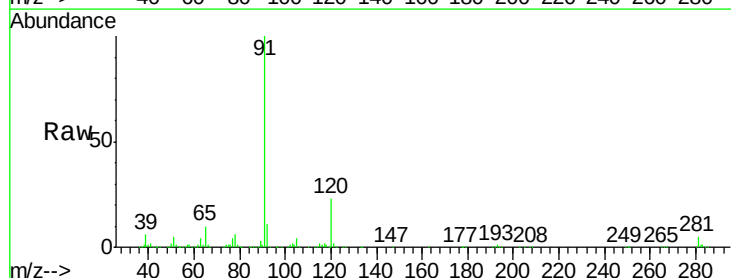
Acq: 04 May 2018 19:26

Tgt Ion: 91 Resp: 172743

Ion Ratio Lower Upper

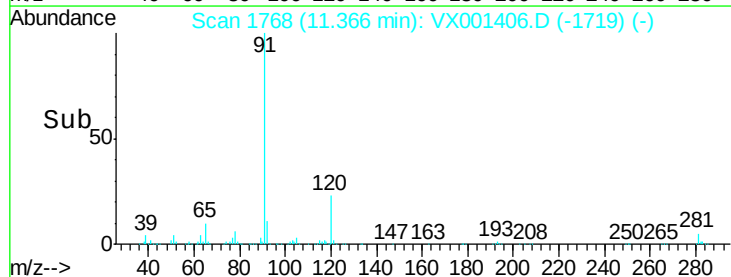
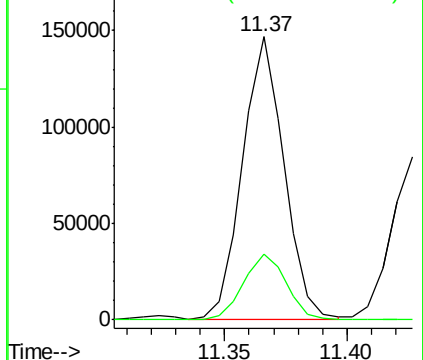
91 100

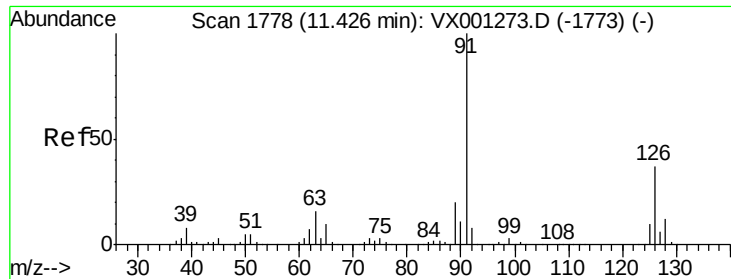
120 24.4 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.155 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

VX0504MBS01

Tot Ion: 91 Resp: 105692

Ion Ratio Lower Upper

91 100

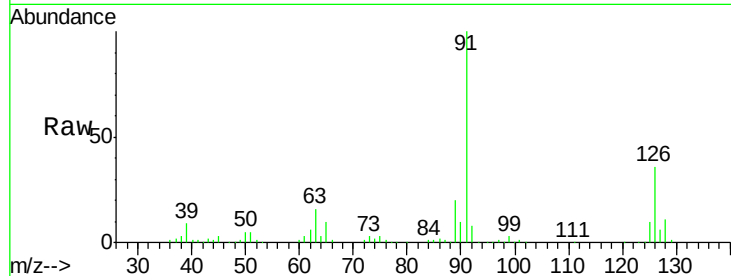
126 37.9 18.4 55.4

Manual Integrations

APPROVED

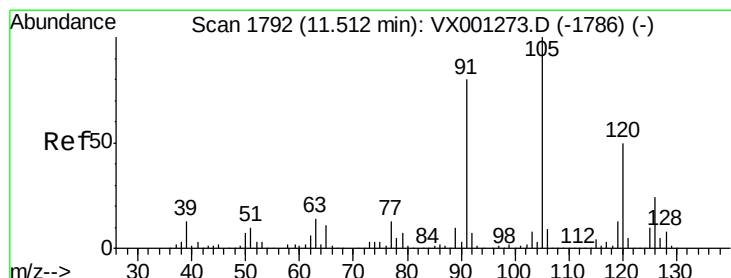
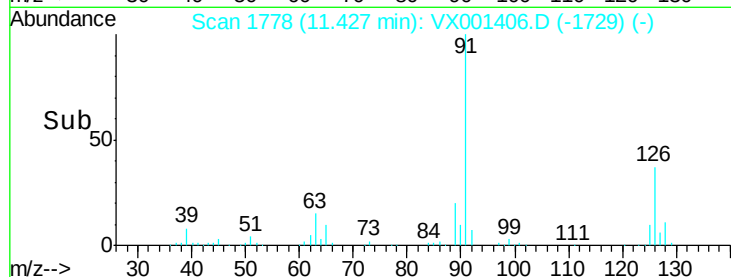
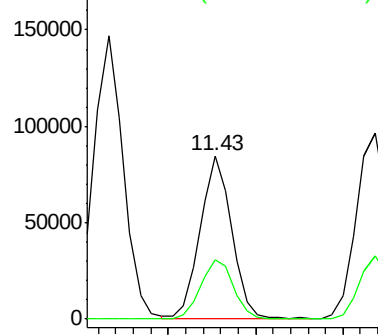
MMDadoda

5/7/2018 7:28:04 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.186 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001406.D

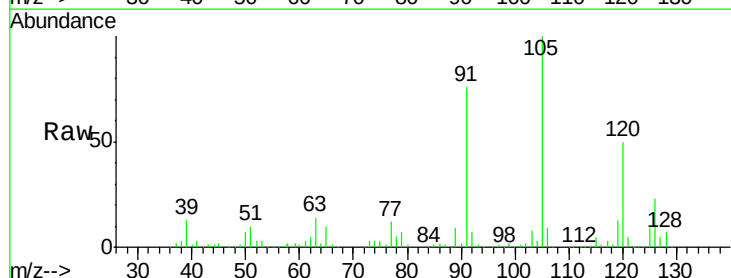
Acq: 04 May 2018 19:26

Tgt Ion: 105 Resp: 132566

Ion Ratio Lower Upper

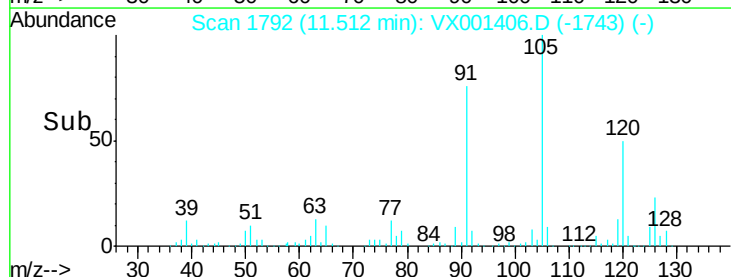
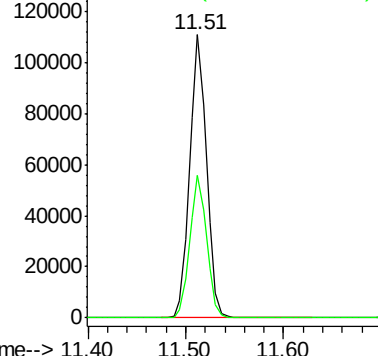
105 100

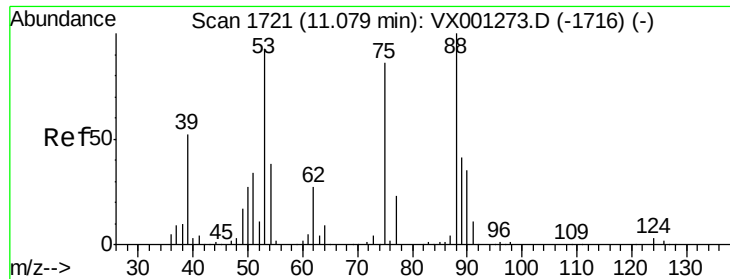
120 50.5 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.705 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

ClientSampled :

VX0504MBS01

Tot Ion: 75 Resp: 11368

Ion Ratio Lower Upper

75 100

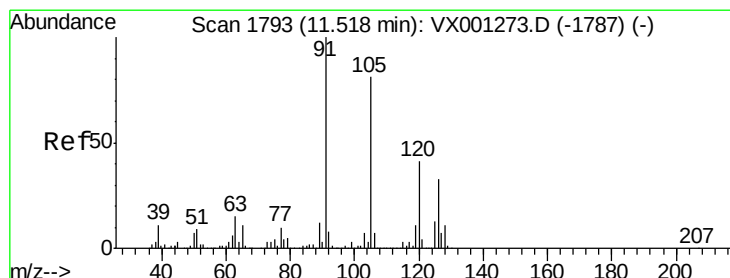
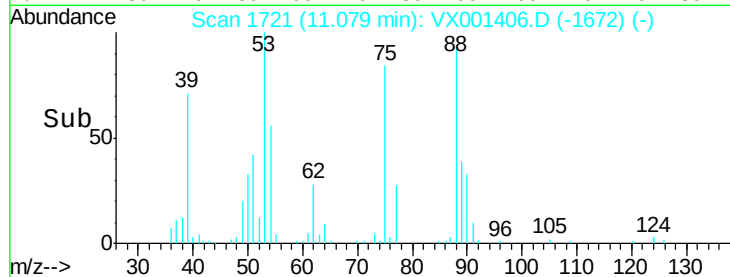
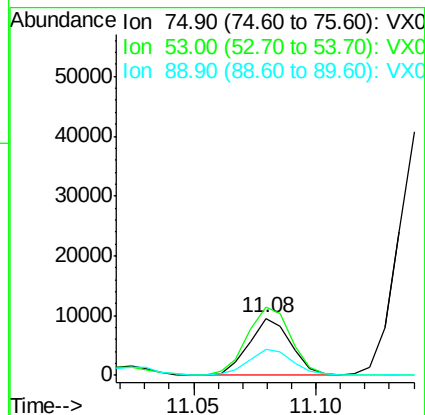
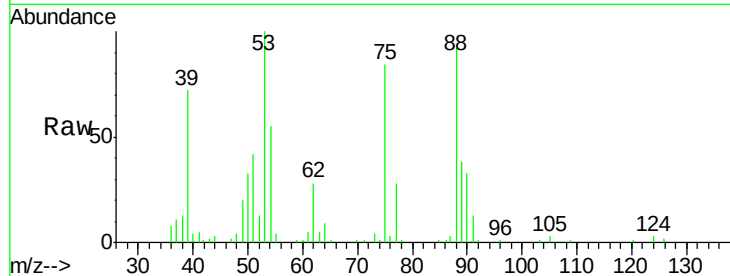
53 126.9 87.1 130.7

89 48.8 38.9 58.3

Manual Integrations
APPROVED

MMDadoda

5/7/2018 7:28:04 PM



#82

4-Chlorotoluene

Concen: 20.596 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001406.D

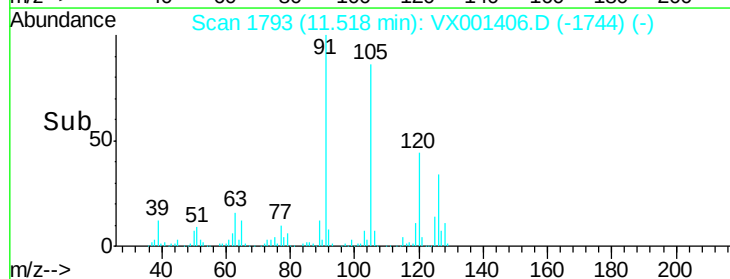
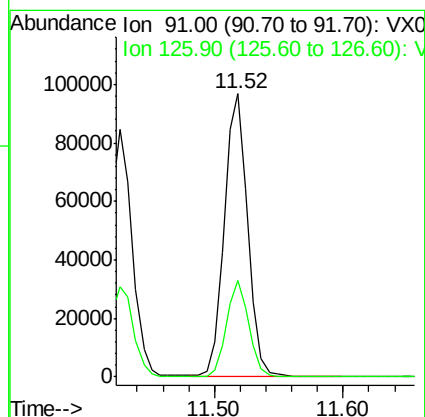
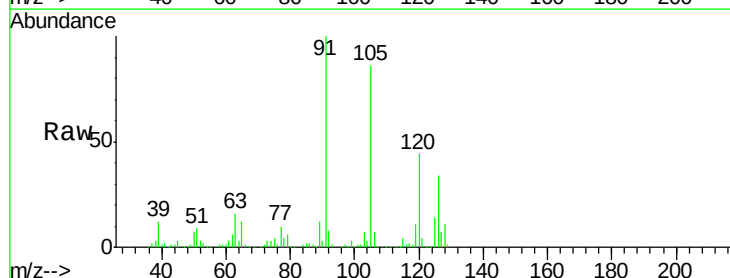
Acq: 04 May 2018 19:26

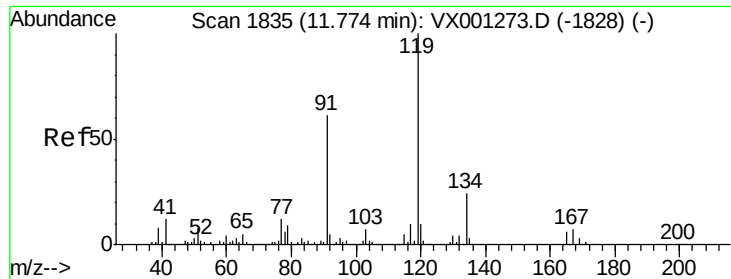
Tgt Ion: 91 Resp: 123771

Ion Ratio Lower Upper

91 100

126 32.5 16.1 48.2





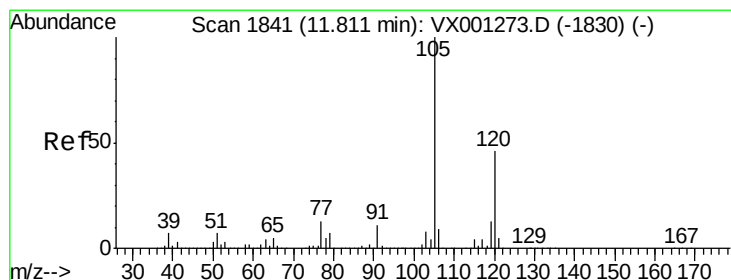
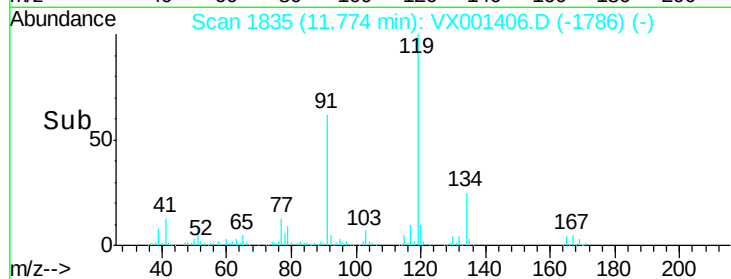
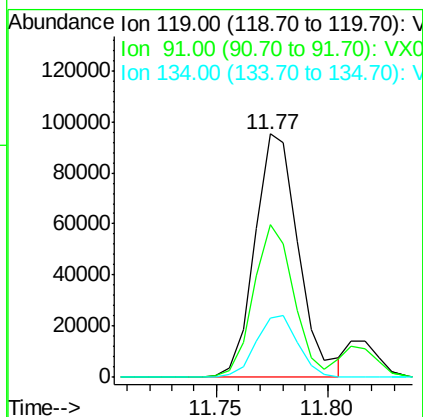
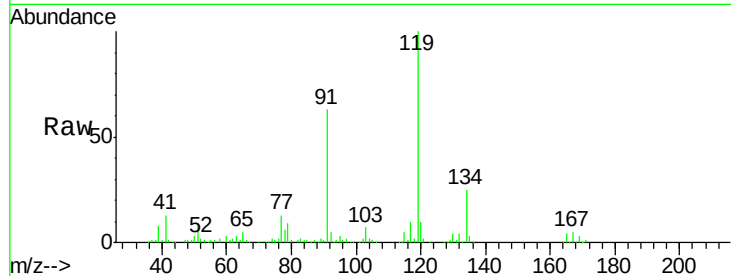
#83
tert-Butylbenzene
Concen: 20.835 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Instrument :
MSVOA_X
ClientSampleId :
VX0504MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	129994		
91	58.0	28.1	84.3	
134	24.6	11.8	35.3	

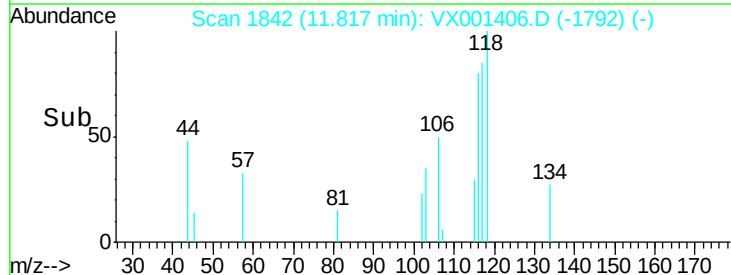
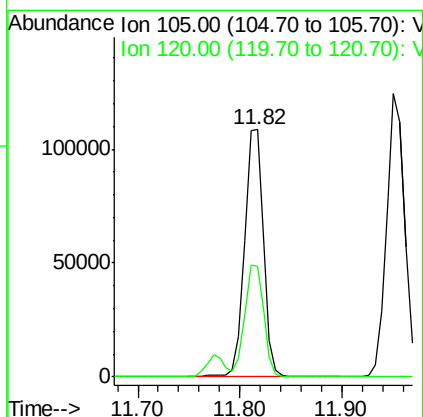
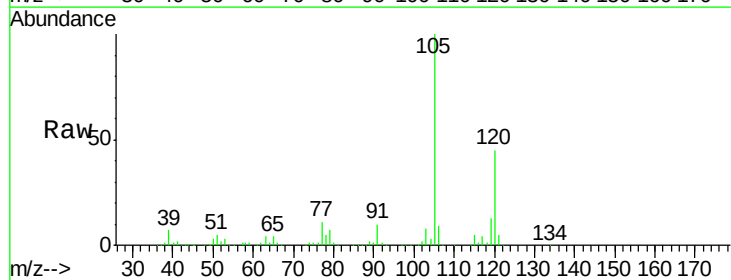
Manual Integrations
APPROVED

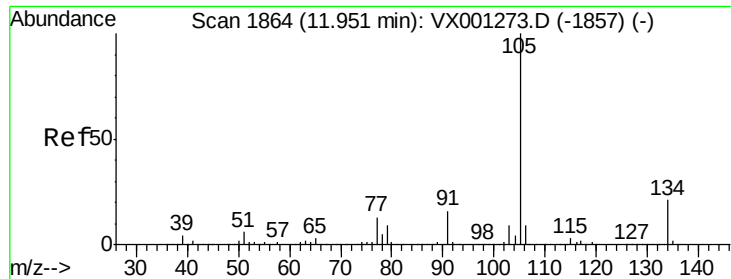
MMDadoda
5/7/2018 7:28:04 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.595 ug/l
RT: 11.82 min Scan# 1842
Delta R.T. 0.01 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	138458		
120	45.5	22.7	68.1	





#85

sec-Butylbenzene

Concen: 20.898 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

VX0504MBS01

Tot Ion:105 Resp: 156003

Ion Ratio Lower Upper

105 100

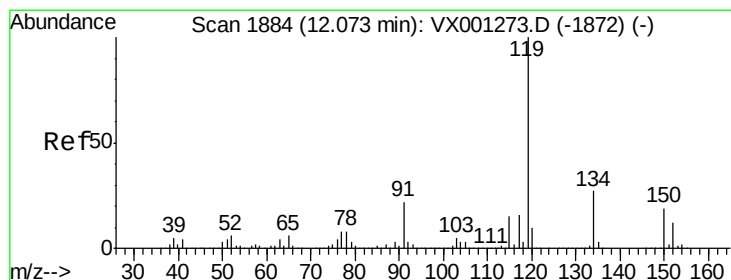
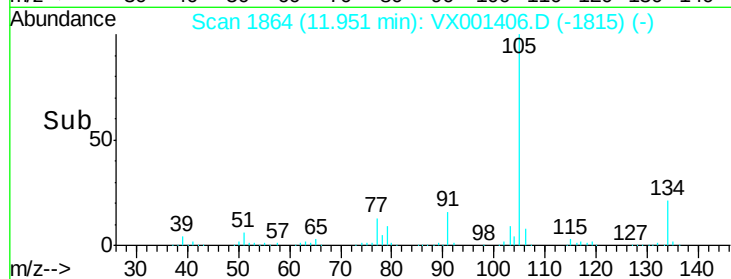
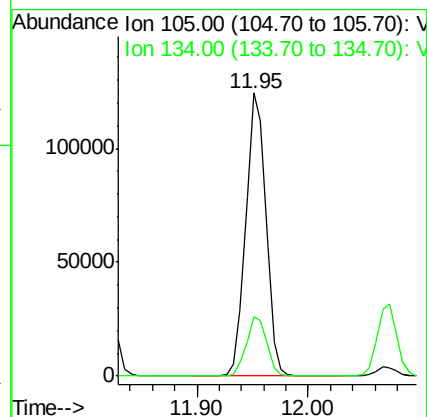
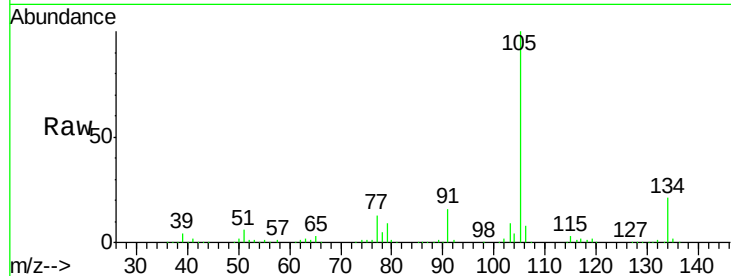
134 21.2 10.7 31.9

Manual Integrations

APPROVED

MMDadoda

5/7/2018 7:28:04 PM



#86

p-Isopropyltoluene

Concen: 21.034 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

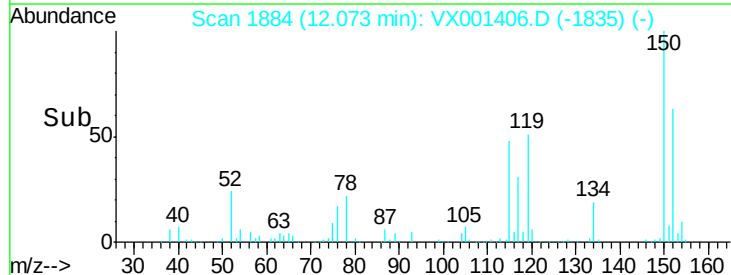
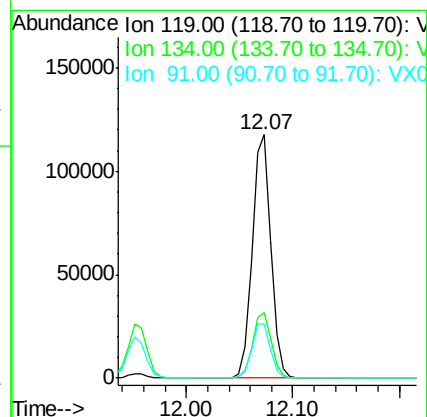
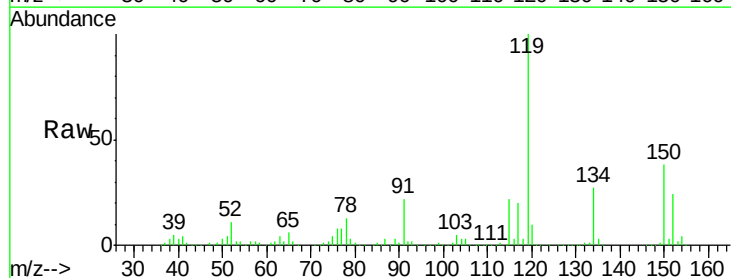
Tgt Ion:119 Resp: 144041

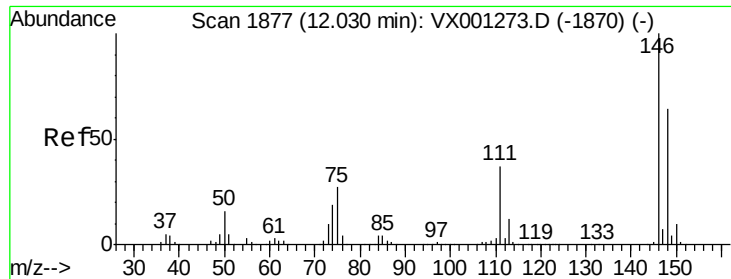
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 23.0 11.7 35.1





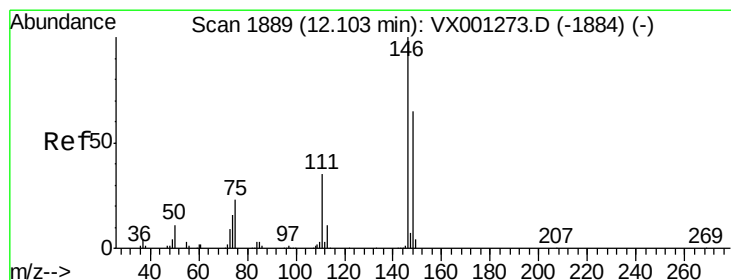
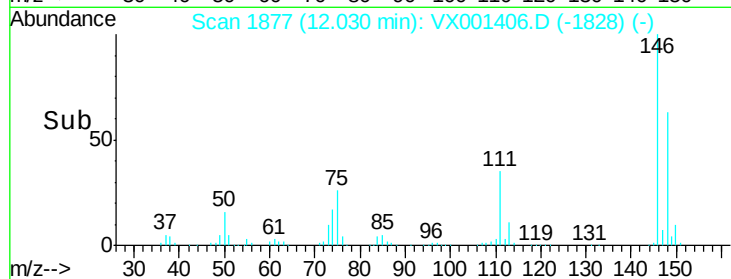
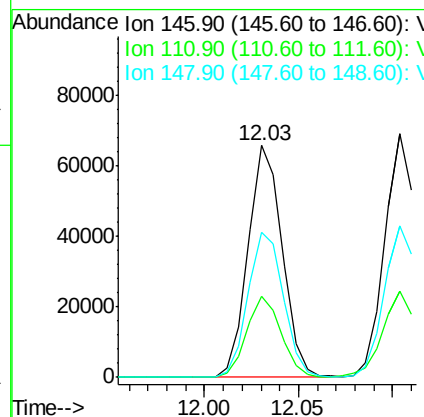
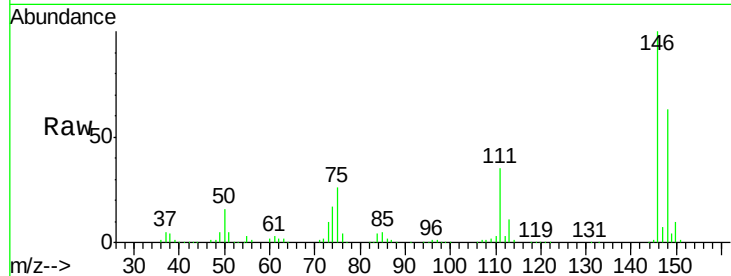
#87
 1,3-Dichlorobenzene
 Concen: 20.713 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001406.D
 Acq: 04 May 2018 19:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.2	18.4	55.2
148	64.7	32.2	96.6

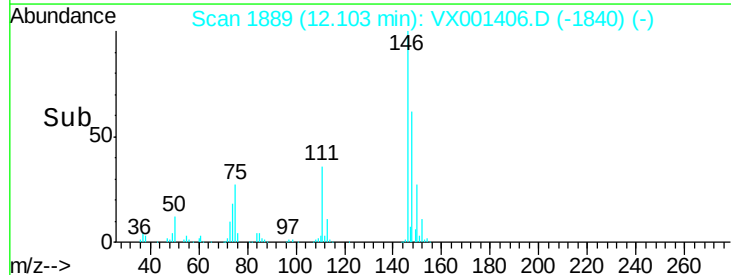
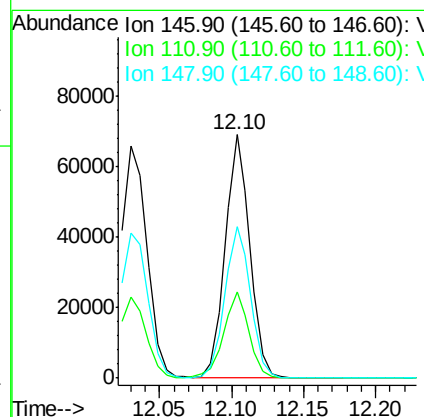
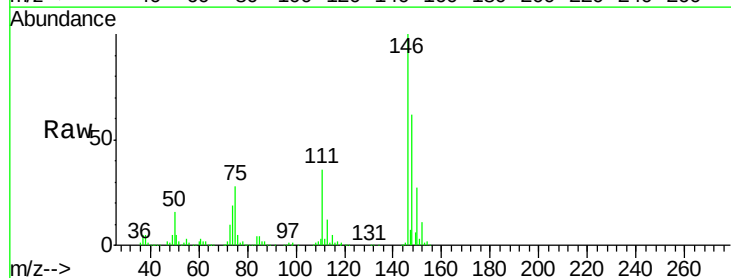
Manual Integrations
 APPROVED

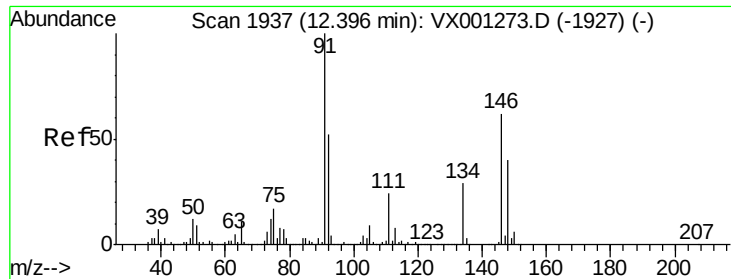
MMDadoda
 5/7/2018 7:28:04 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.145 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001406.D
 Acq: 04 May 2018 19:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	17.9	53.7
148	65.2	32.3	96.8





#89

n-Butylbenzene

Concen: 19.192 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001406.D

Acq: 04 May 2018 19:26

Instrument :

MSVOA_X

ClientSampleId :

VX0504MBS01

Tot Ion: 91 Resp: 114708

Ion Ratio Lower Upper

91 100

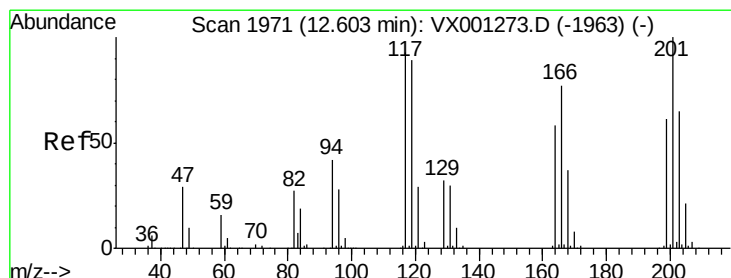
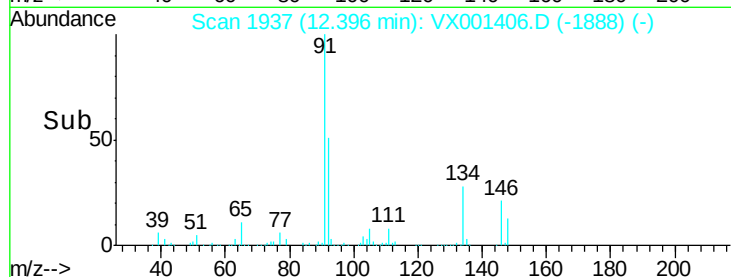
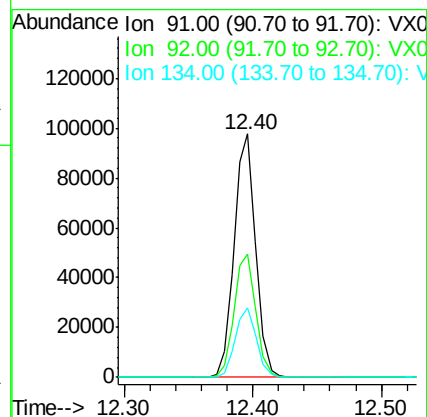
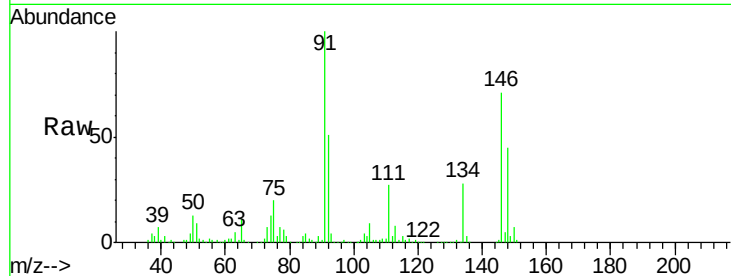
92 51.1 26.2 78.5

134 28.2 14.0 42.0

Manual Integrations
APPROVED

MMDadoda

5/7/2018 7:28:04 PM



#90

Hexachloroethane

Concen: 20.673 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX001406.D

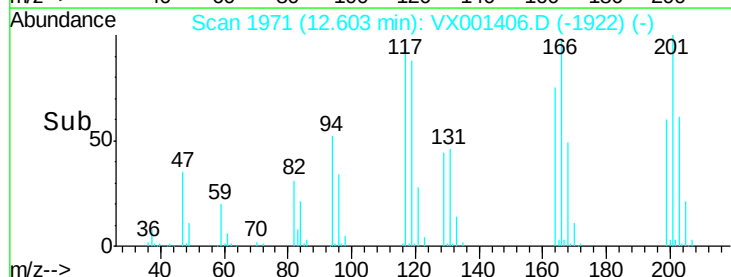
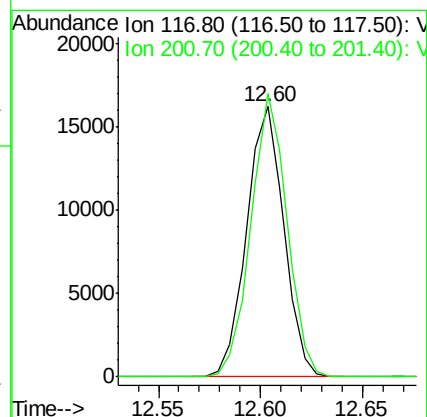
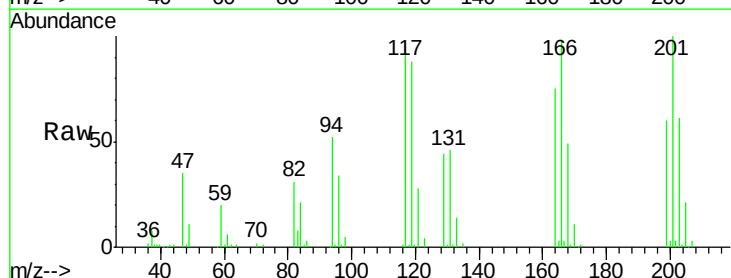
Acq: 04 May 2018 19:26

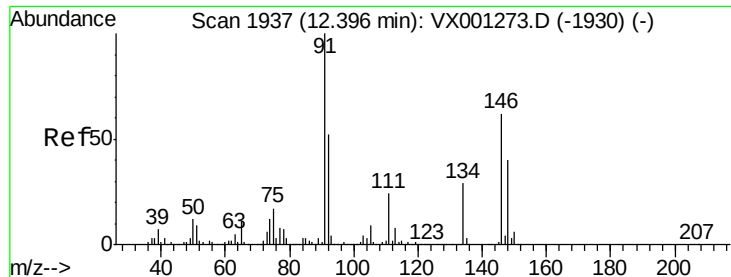
Tgt Ion: 117 Resp: 20501

Ion Ratio Lower Upper

117 100

201 101.5 51.6 154.8





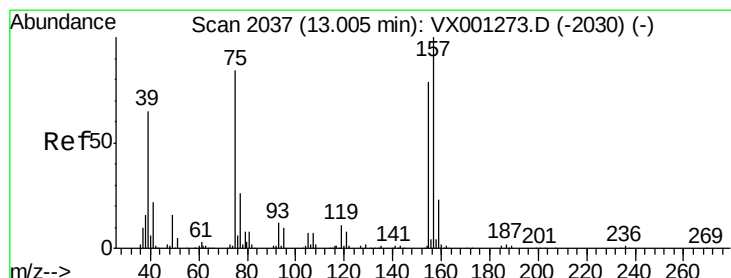
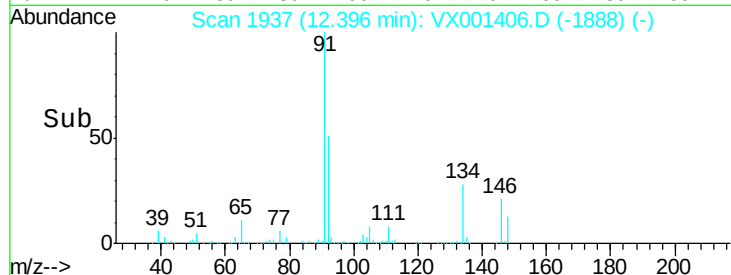
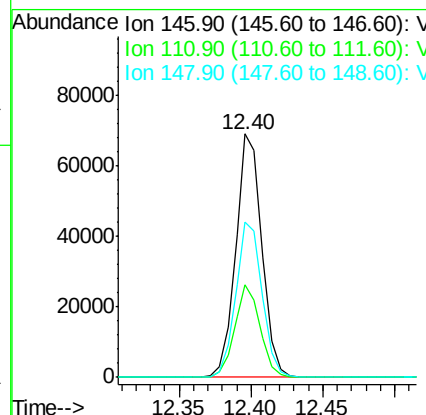
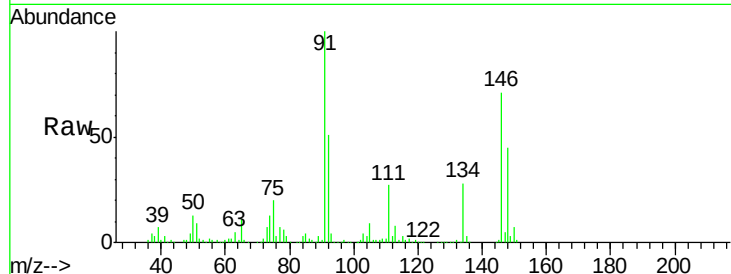
#91
 1,2-Dichlorobenzene
 Concen: 21.907 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001406.D
 Acq: 04 May 2018 19:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.5
148	64.3	32.4	97.0

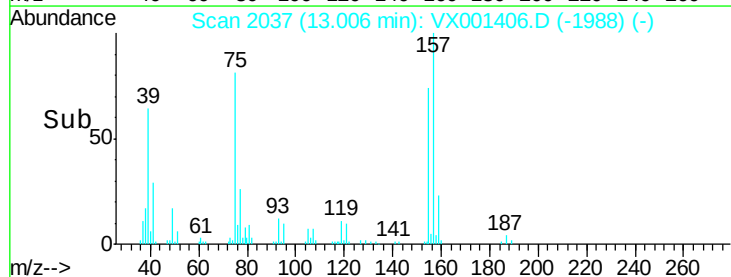
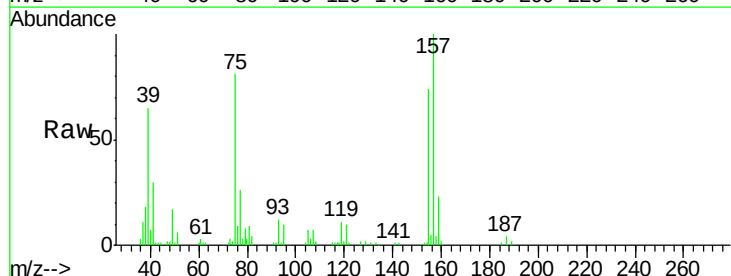
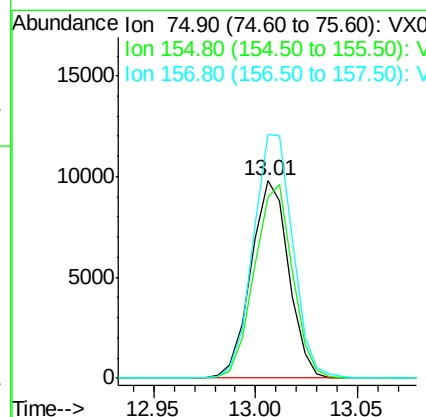
Manual Integrations
 APPROVED

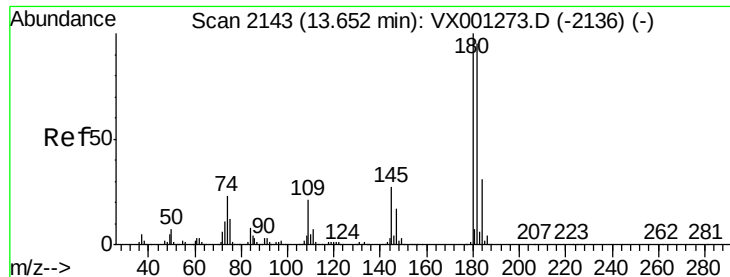
MMDadoda
 5/7/2018 7:28:04 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 27.915 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001406.D
 Acq: 04 May 2018 19:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.0	49.9	149.7
157	128.9	63.7	191.1





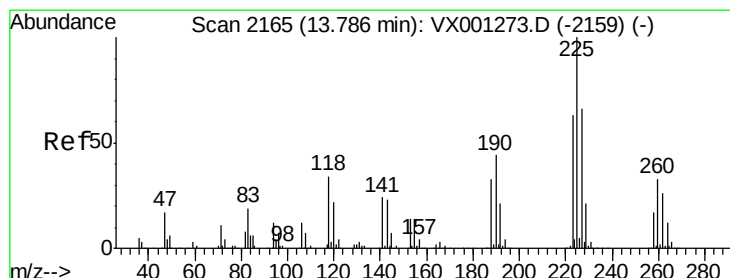
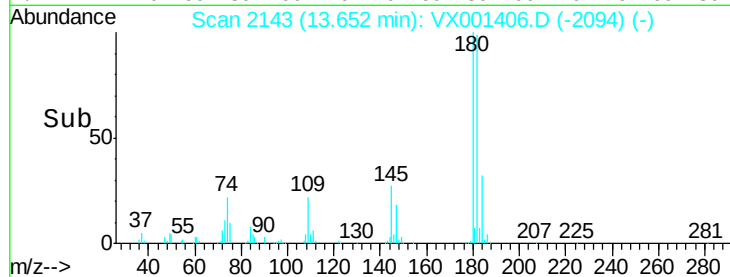
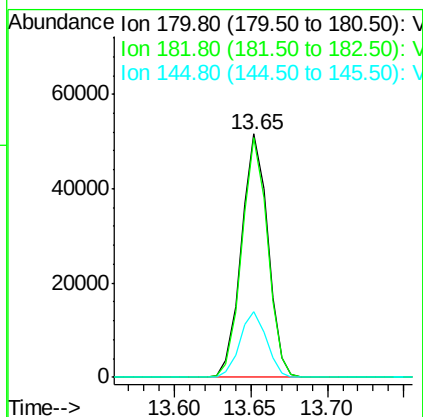
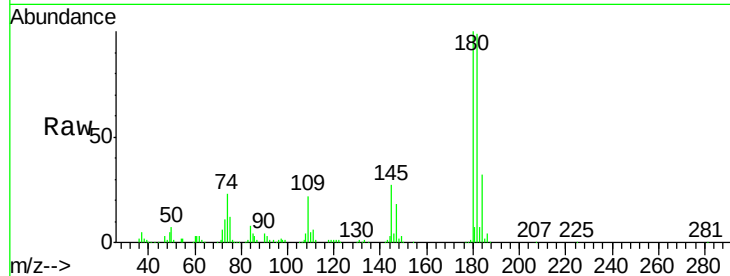
#93
 1,2,4-Trichlorobenzene
 Concen: 19.260 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001406.D
 Acq: 04 May 2018 19:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	141.9
145	27.0	13.5	40.4

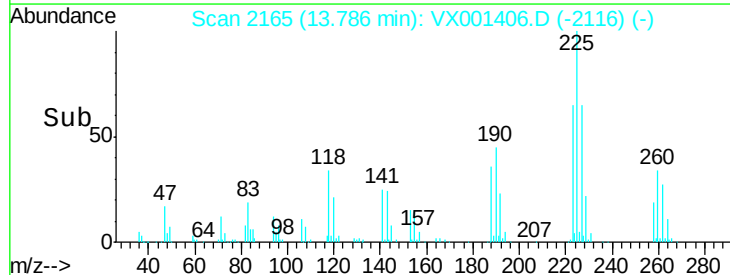
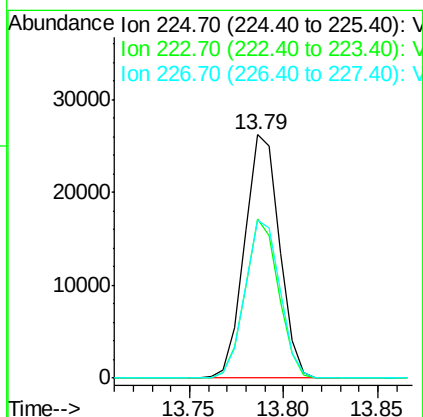
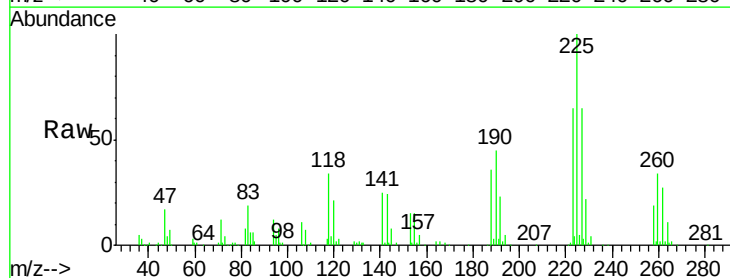
Manual Integrations
 APPROVED

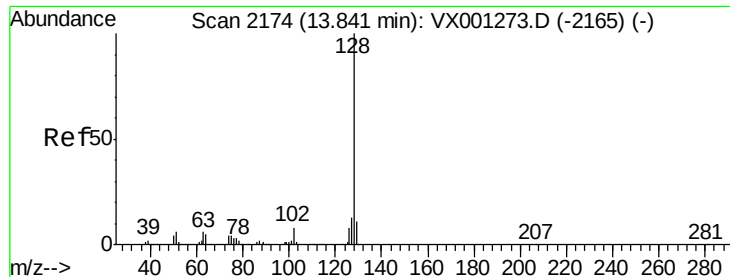
MMDadoda
 5/7/2018 7:28:04 PM



#94
 Hexachlorobutadiene
 Concen: 20.011 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001406.D
 Acq: 04 May 2018 19:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.4	94.0
227	64.9	32.5	97.5





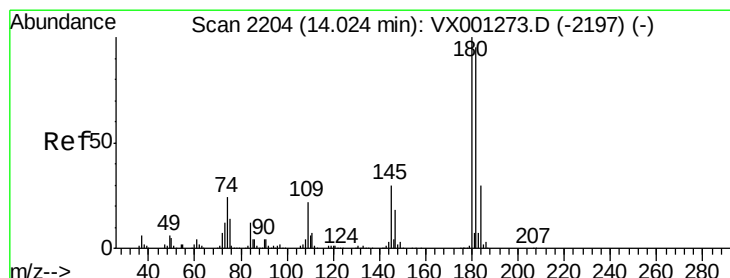
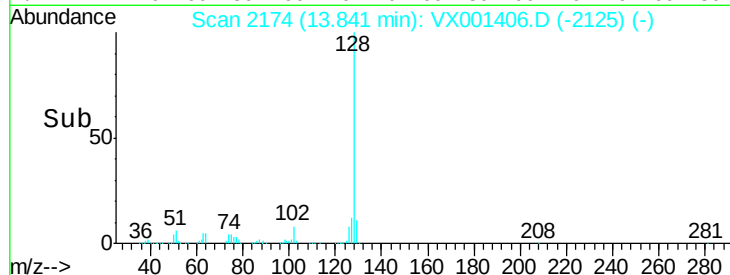
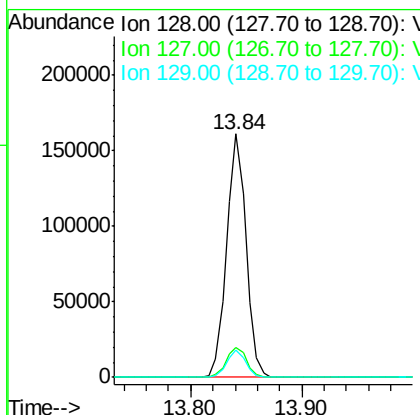
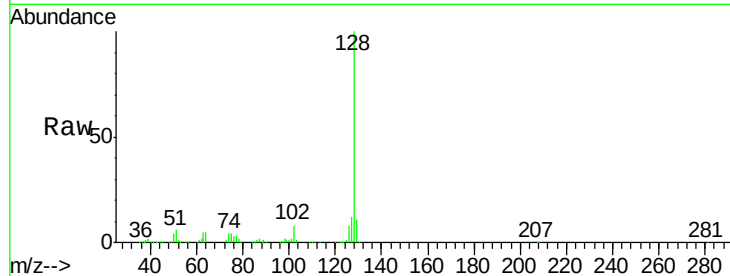
#95
Naphthalene
Concen: 23.740 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Instrument :
MSVOA_X
ClientSampleId :
VX0504MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	193485		
127	12.8	10.5	15.7	
129	11.1	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
5/7/2018 7:28:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.058 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001406.D
Acq: 04 May 2018 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	66408		
182	95.2	48.1	144.3	
145	28.3	14.4	43.4	

