

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052418\
 Data File : VX001936.D
 Acq On : 24 May 2018 10:53
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/25/2018 2:25:50 PM

Quant Time: May 24 12:54:40 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 12:37:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	323715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	452916	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	408219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	251155	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	31187	5.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.92%	
35) Dibromofluoromethane	5.51	113	24826	5.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.24%	
50) Toluene-d8	8.72	98	84199	5.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.34%	
62) 4-Bromofluorobenzene	11.14	95	31373	4.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	23931	5.69	ug/l	95
3) Chloromethane	1.33	50	26658	5.56	ug/l	97
4) Vinyl Chloride	1.41	62	25421	5.49	ug/l	99
5) Bromomethane	1.64	94	13696	6.14	ug/l	95
6) Chloroethane	1.72	64	14371	5.26	ug/l	99
7) Trichlorofluoromethane	1.93	101	37516	5.37	ug/l	98
8) Diethyl Ether	2.19	74	13996	5.46	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	20803	5.42	ug/l	98
10) Methyl Iodide	2.51	142	23658	4.00	ug/l	98
11) Tert butyl alcohol	3.09	59	29374	26.11	ug/l #	90
12) 1,1-Dichloroethene	2.37	96	19943	5.57	ug/l	93
13) Acrolein	2.30	56	14887	33.38	ug/l	89
14) Allyl chloride	2.73	41	40664	5.28	ug/l	98
15) Acrylonitrile	3.16	53	59541	25.82	ug/l	98
16) Acetone	2.46	43	58125	26.92	ug/l	99
17) Carbon Disulfide	2.57	76	55371	5.29	ug/l	99
18) Methyl Acetate	2.79	43	30364	5.44	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	73160	5.30	ug/l	96
20) Methylene Chloride	2.86	84	23097	5.76	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	20715	5.38	ug/l	96
22) Diisopropyl ether	3.89	45	85961	5.32	ug/l	98
23) Vinyl Acetate	3.83	43	349181	26.58	ug/l	99
24) 1,1-Dichloroethane	3.70	63	38973	5.24	ug/l	97
25) 2-Butanone	4.73	43	105580	25.92	ug/l	97
26) 2,2-Dichloropropane	4.59	77	40612	5.50	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	25001	5.23	ug/l	38
28) Bromochloromethane	5.03	49	12152	3.58	ug/l	99
29) Tetrahydrofuran	5.18	42	69378	26.36	ug/l	99
30) Chloroform	5.22	83	43884	5.33	ug/l	100
31) Cyclohexane	5.57	56	41853	5.50	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	41129	5.27	ug/l	98
36) 1,1-Dichloropropene	5.81	75	30703	5.08	ug/l	98
37) Ethyl Acetate	4.87	43	40694	5.09	ug/l	97
38) Carbon Tetrachloride	5.79	117	36989	5.25	ug/l	97

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052418\
 Data File : VX001936.D
 Acq On : 24 May 2018 10:53
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/25/2018 2:25:50 PM

Quant Time: May 24 12:54:40 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 12:37:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	38316	5.20	ug/l	98
40) Benzene	6.15	78	95045	5.29	ug/l	98
41) Methacrylonitrile	5.08	41	24094	5.42	ug/l	100
42) 1,2-Dichloroethane	6.20	62	36987	5.28	ug/l	97
43) Isopropyl Acetate	6.48	43	69794	5.21	ug/l	99
44) Trichloroethene	7.22	130	26860	5.18	ug/l	95
45) 1,2-Dichloropropane	7.52	63	24496	5.12	ug/l	99
46) Dibromomethane	7.67	93	16565	5.13	ug/l	97
47) Bromodichloromethane	7.90	83	34960	5.15	ug/l	99
48) Methyl methacrylate	7.79	41	36197	5.35	ug/l	98
49) 1,4-Dioxane	7.77	88	12305	100.89	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	212677	26.26	ug/l	99
52) Toluene	8.79	92	57729	5.09	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	41201	5.14	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	40084	5.17	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	23966	5.16	ug/l	95
56) Ethyl methacrylate	9.19	69	41755	5.22	ug/l	97
57) 1,3-Dichloropropane	9.38	76	40111	5.15	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	94175	26.09	ug/l	100
59) 2-Hexanone	9.51	43	166055	26.50	ug/l	99
60) Dibromochloromethane	9.59	129	28513	5.03	ug/l	99
61) 1,2-Dibromoethane	9.68	107	25363	5.09	ug/l	99
64) Tetrachloroethene	9.34	164	29052	5.17	ug/l	99
65) Chlorobenzene	10.14	112	63407	5.10	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	26368	5.29	ug/l	99
67) Ethyl Benzene	10.26	91	112831	5.17	ug/l	99
68) m/p-Xylenes	10.36	106	85138	10.25	ug/l	98
69) o-Xylene	10.70	106	43531	5.29	ug/l	98
70) Styrene	10.72	104	69876	5.06	ug/l	99
71) Bromoform	10.86	173	23432	4.83	ug/l	96
73) Isopropylbenzene	11.02	105	113718	5.61	ug/l	100
74) N-amyl acetate	6.48	43	69794	5.85	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	35603	6.01	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	32389m	5.84	ug/l	
77) Bromobenzene	11.26	156	29200	5.42	ug/l	98
78) n-propylbenzene	11.37	91	124698	5.42	ug/l	100
79) 2-Chlorotoluene	11.43	91	78409	5.69	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	96036	5.56	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	13597	5.83	ug/l	95
82) 4-Chlorotoluene	11.52	91	87485	5.44	ug/l	96
83) tert-Butylbenzene	11.77	119	93881	5.60	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	99345	5.60	ug/l	99
85) sec-Butylbenzene	11.95	105	111771	5.44	ug/l	100
86) p-Isopropyltoluene	12.07	119	96993	5.26	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	51242	5.33	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	50063	5.17	ug/l	95
89) n-Butylbenzene	12.40	91	78554	4.90	ug/l	100
90) Hexachloroethane	12.60	117	19192	5.31	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	52654	5.34	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	10324	5.72	ug/l	98

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052418\
Data File : VX001936.D
Acq On : 24 May 2018 10:53
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

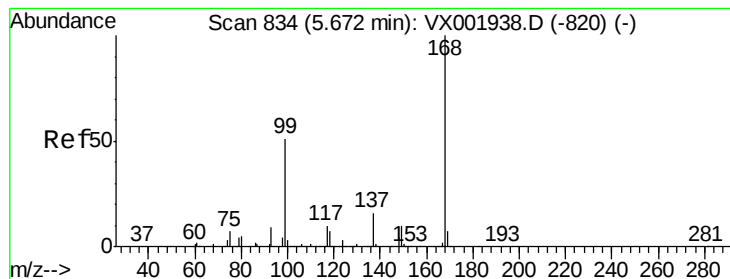
Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:50 PM

Quant Time: May 24 12:54:40 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 12:37:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	35134	4.87	ug/l	99
94) Hexachlorobutadiene	13.79	225	19114	4.96	ug/l	96
95) Naphthalene	13.84	128	116780	5.28	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	38200	5.15	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 323715

Ion Ratio Lower Upper

168 100

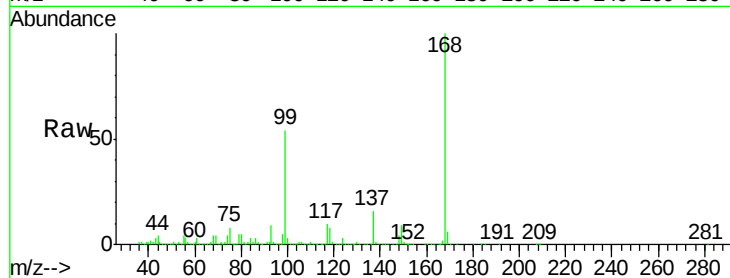
99 54.0 41.0 61.4

Manual Integrations

APPROVED

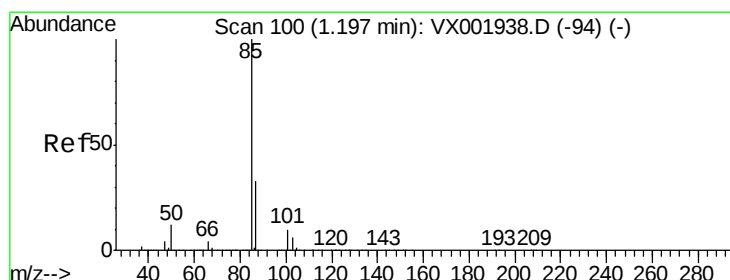
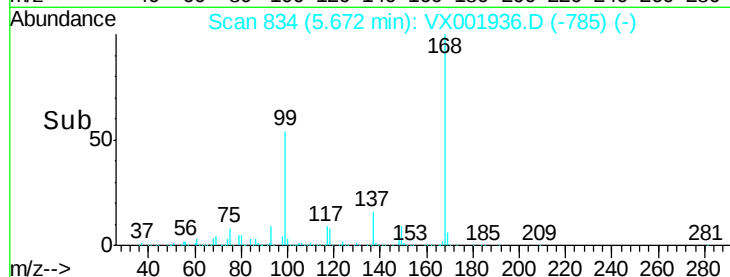
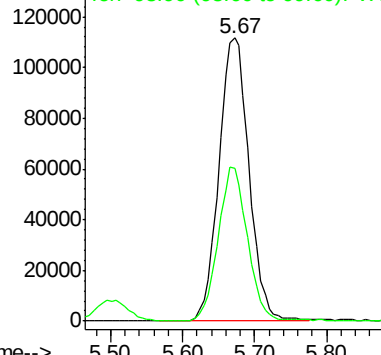
MMDadoda

5/25/2018 2:25:50 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 5.69 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001936.D

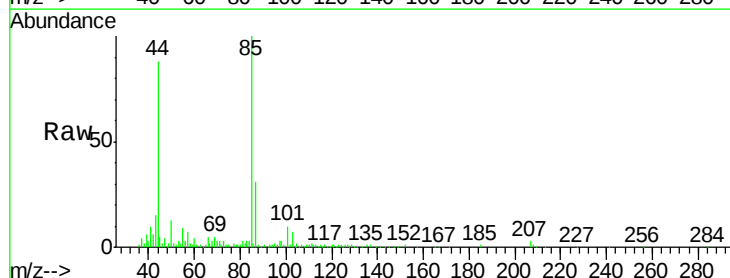
Acq: 24 May 2018 10:53

Tgt Ion: 85 Resp: 23931

Ion Ratio Lower Upper

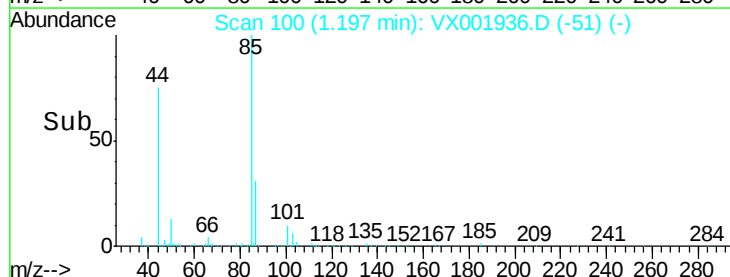
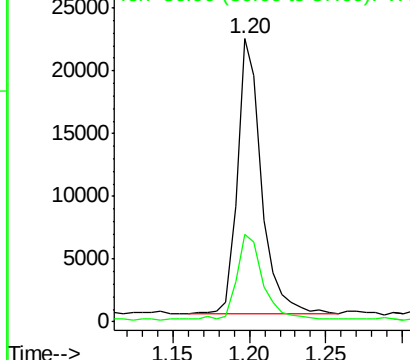
85 100

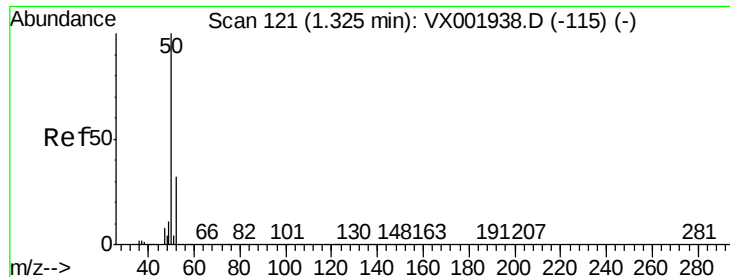
87 30.5 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 5.56 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 26658

Ion Ratio Lower Upper

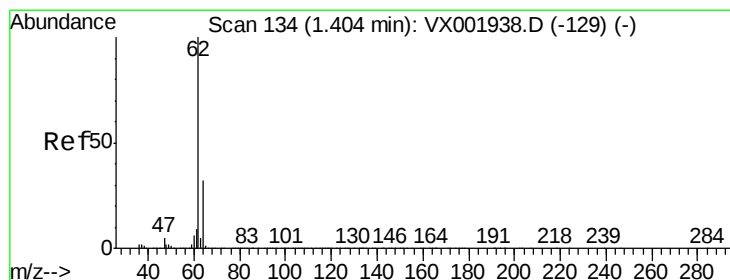
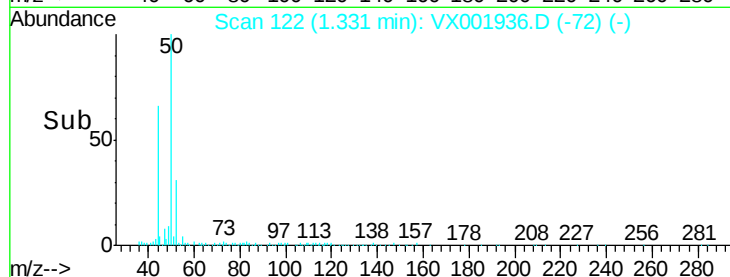
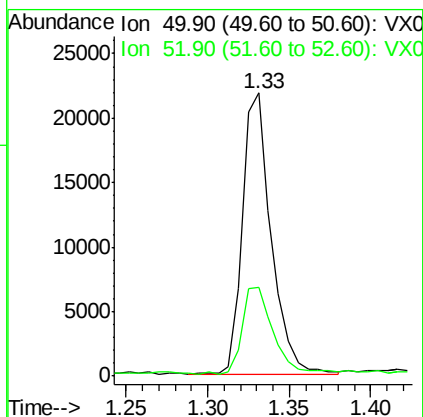
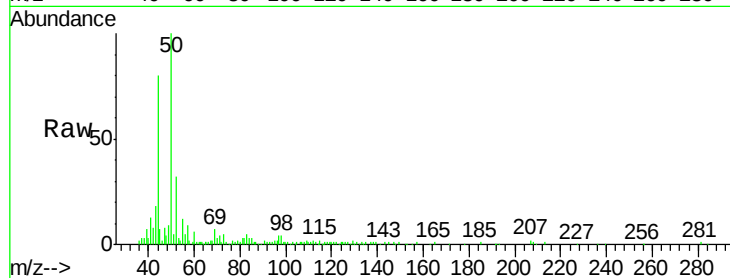
50 100

52 30.8 26.0 39.0

Manual Integrations
APPROVED

MMDadoda

5/25/2018 2:25:50 PM



#4

Vinyl Chloride

Concen: 5.49 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX001936.D

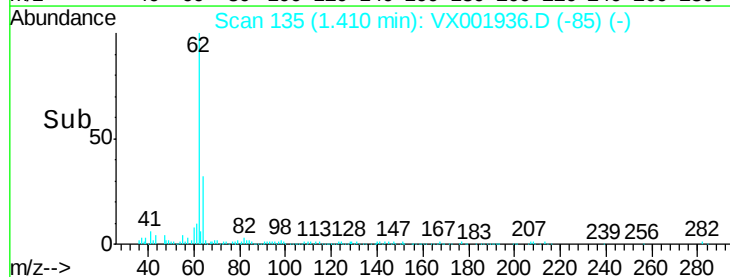
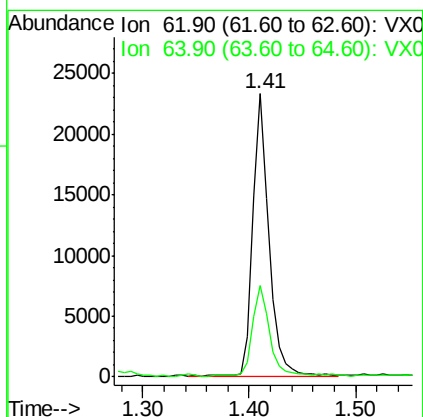
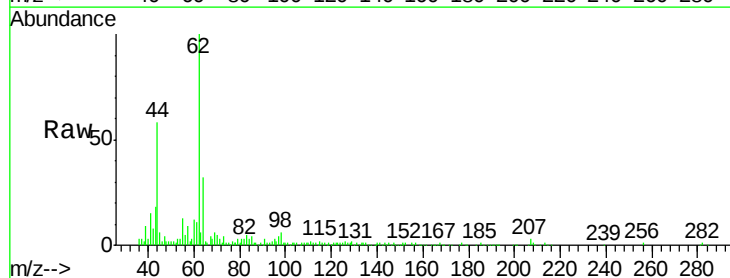
Acq: 24 May 2018 10:53

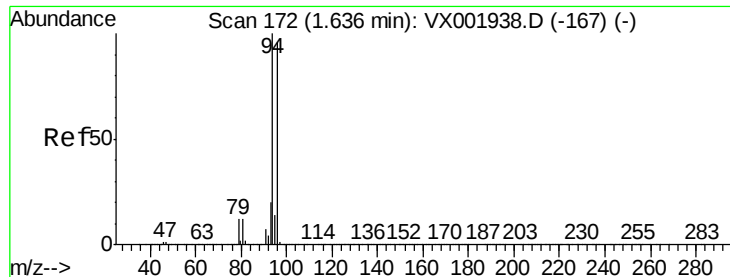
Tgt Ion: 62 Resp: 25421

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.0





#5

Bromomethane

Concen: 6.14 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 94 Resp: 13696

Ion Ratio Lower Upper

94 100

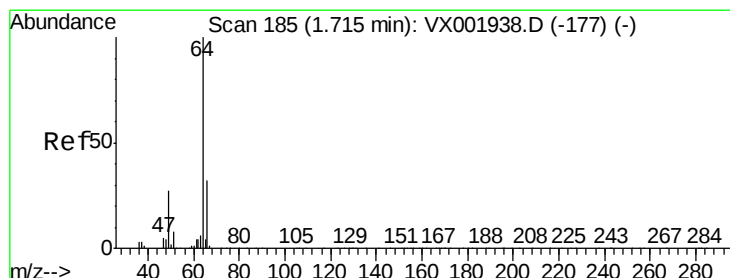
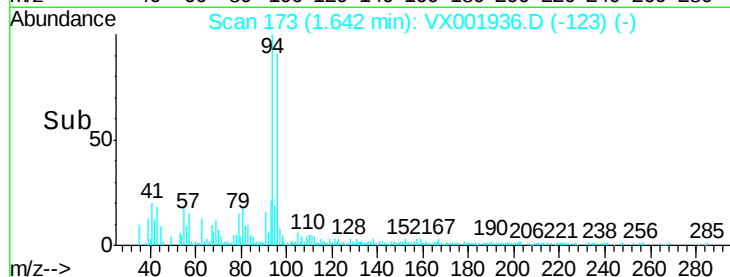
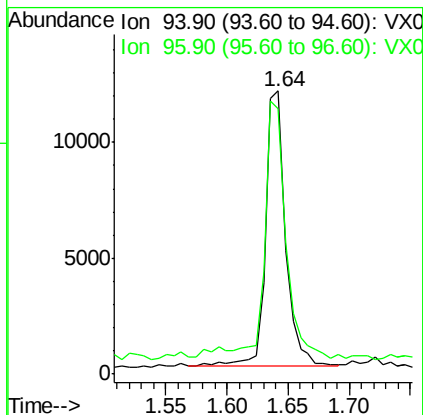
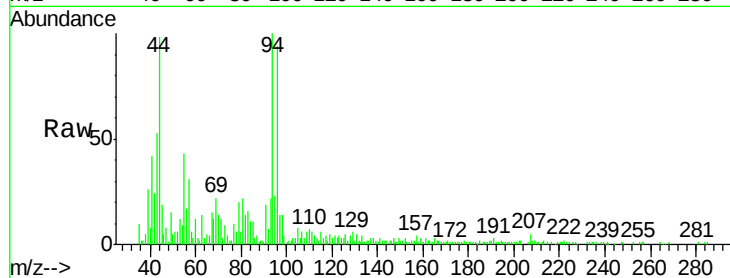
96 90.5 75.9 113.9

Manual Integrations

APPROVED

MMDadoda

5/25/2018 2:25:50 PM



#6

Chloroethane

Concen: 5.26 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX001936.D

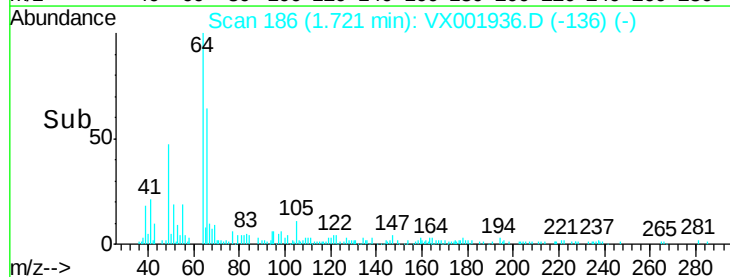
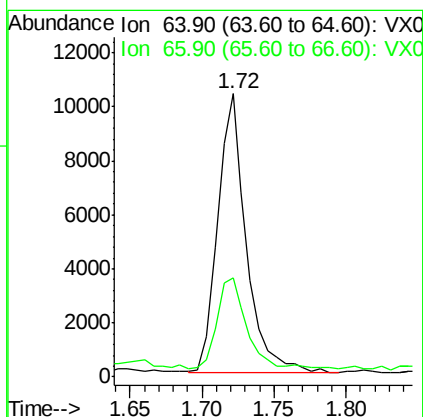
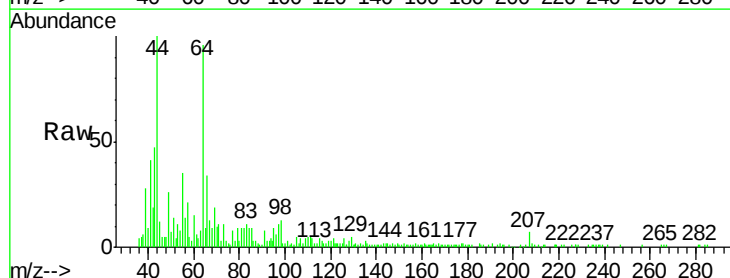
Acq: 24 May 2018 10:53

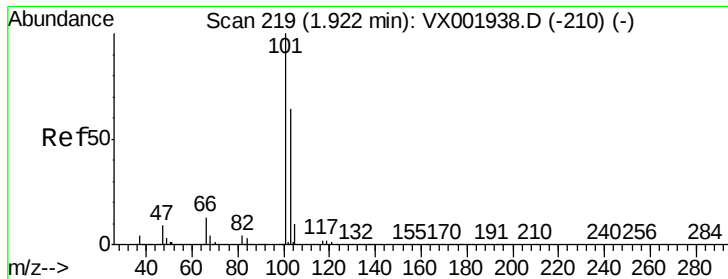
Tgt Ion: 64 Resp: 14371

Ion Ratio Lower Upper

64 100

66 32.4 25.6 38.4





#7

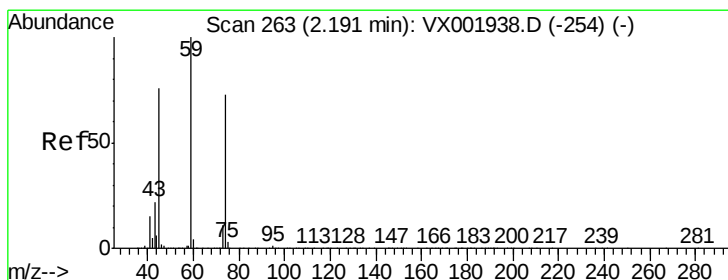
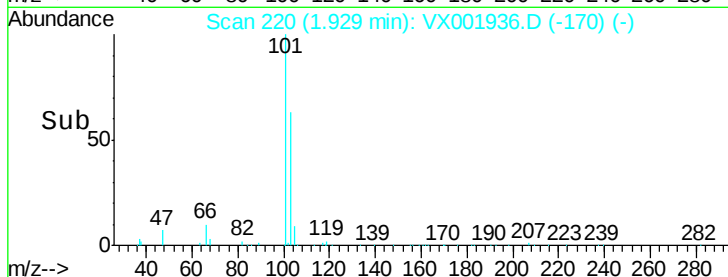
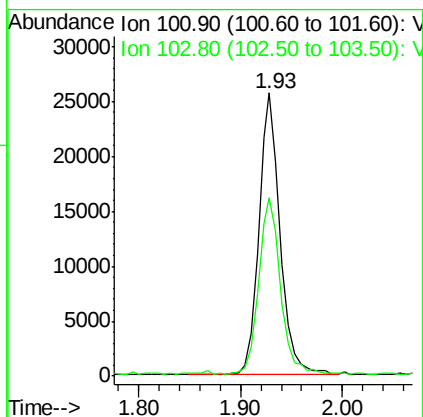
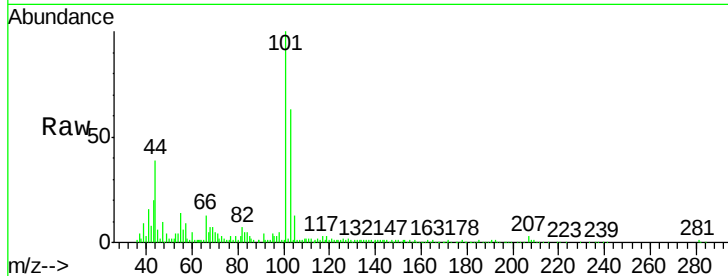
Trichlorofluoromethane
Concen: 5.37 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.4	77.0

Manual Integrations
APPROVED

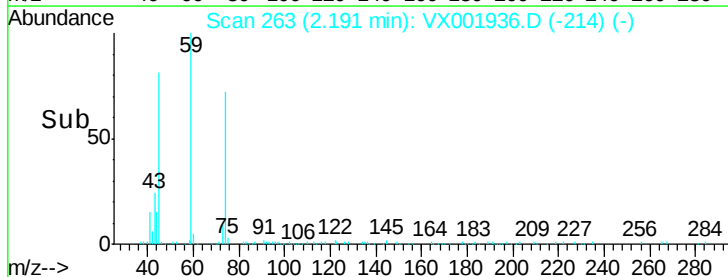
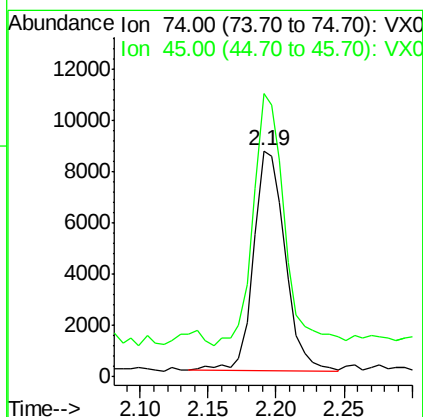
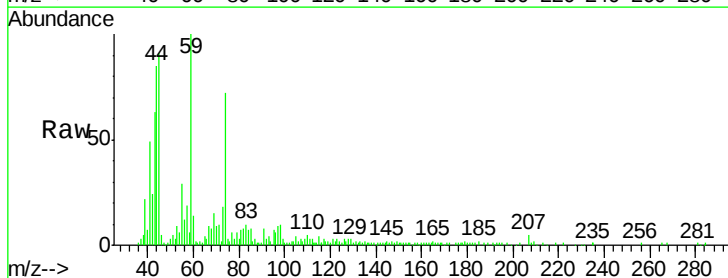
MMDadoda
5/25/2018 2:25:50 PM

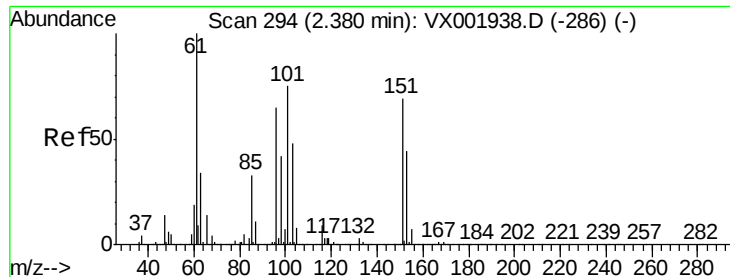


#8

Diethyl Ether
Concen: 5.46 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.9	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.42 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

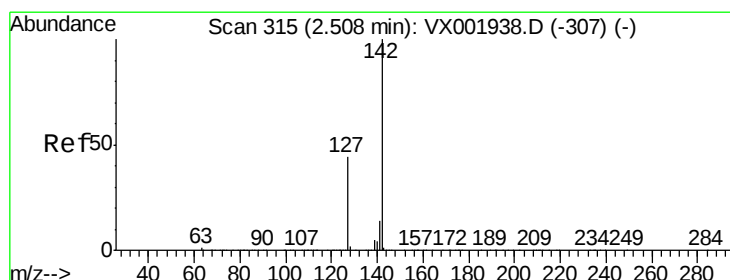
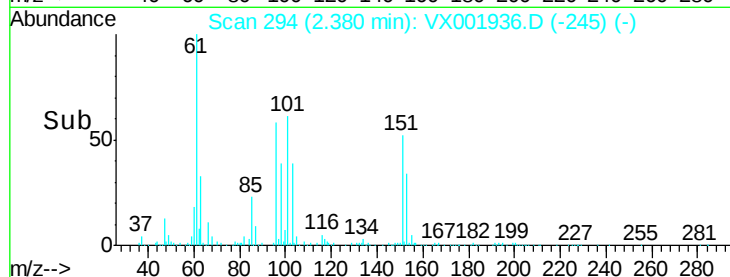
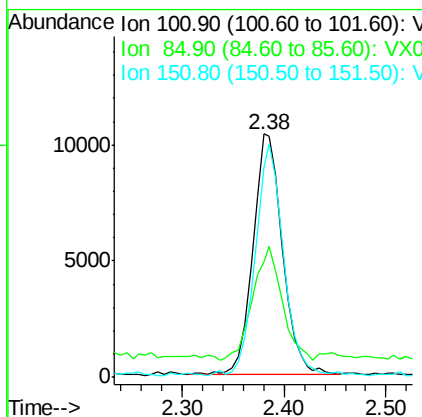
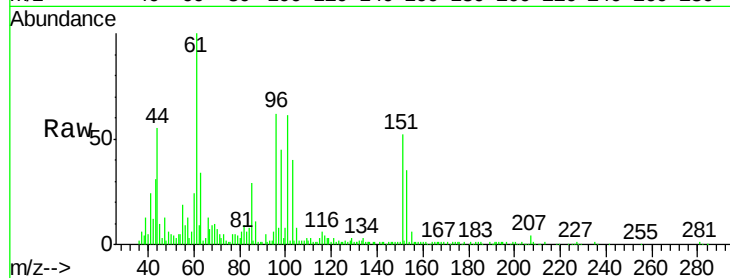
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	20803
Ion Ratio	Lower	Upper	
101	100		
85	47.4	35.6	53.4
151	92.9	73.2	109.8

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:50 PM



#10

Methyl Iodide

Concen: 4.00 ug/l

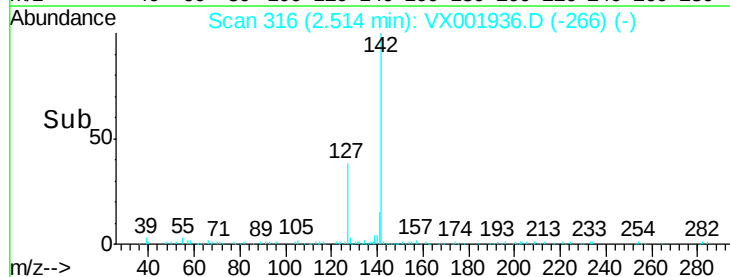
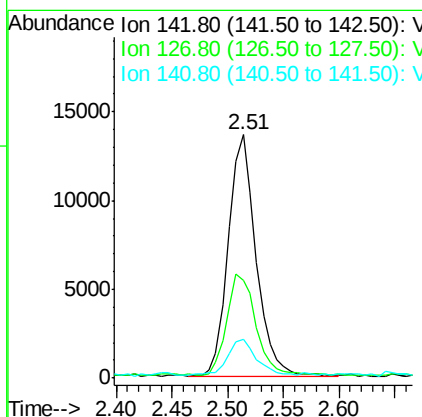
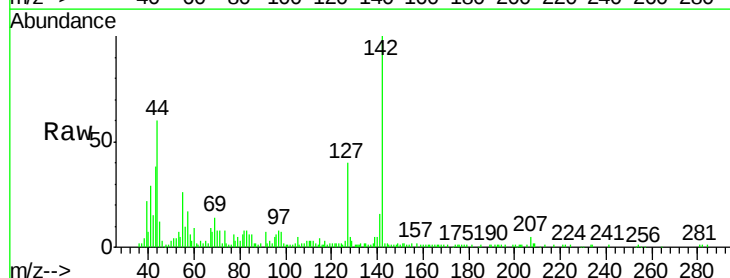
RT: 2.51 min Scan# 316

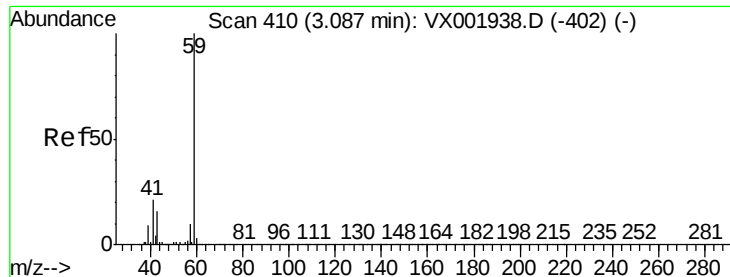
Delta R.T. 0.01 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Tgt Ion:	142	Resp:	23658
Ion Ratio	Lower	Upper	
142	100		
127	43.5	35.5	53.3
141	15.9	11.3	16.9





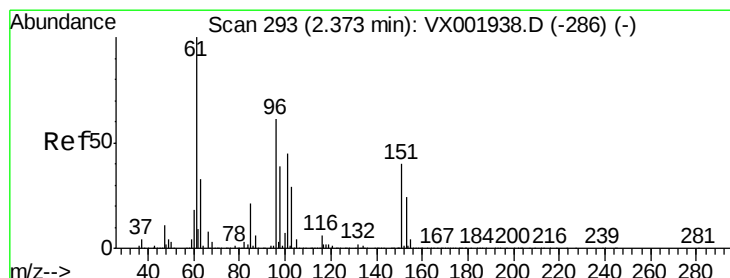
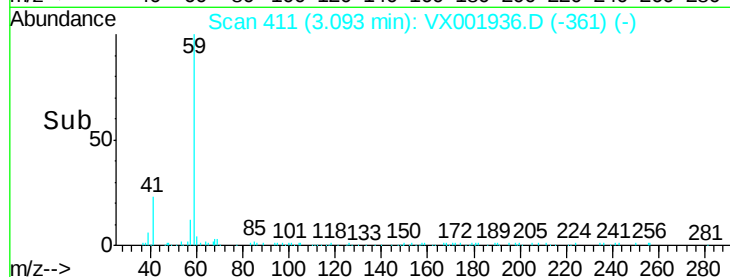
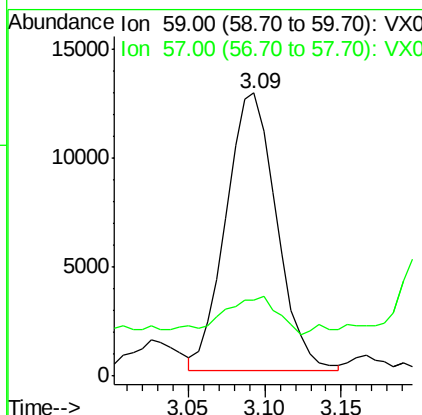
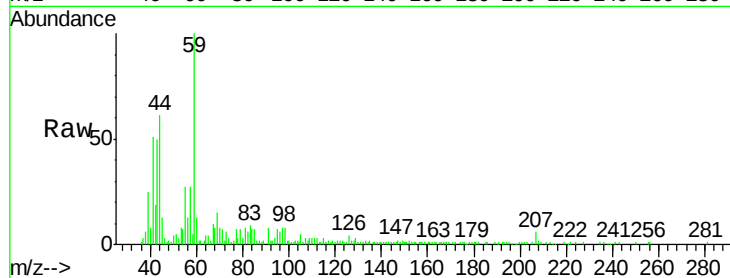
#11
Tert butyl alcohol
Concen: 26.11 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.01 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 29374
Ion Ratio Lower Upper
59 100
57 14.8 8.9 13.3#

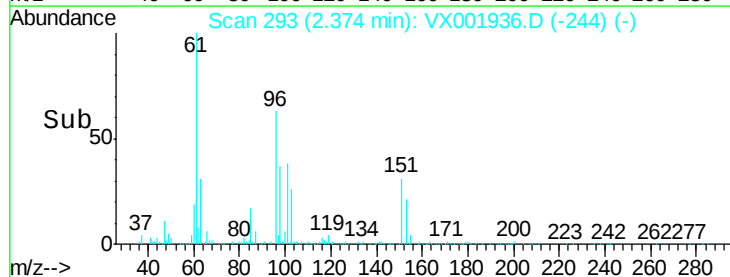
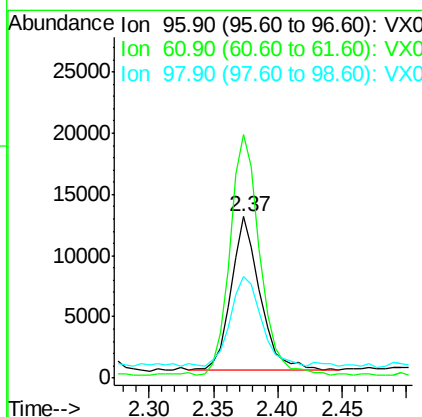
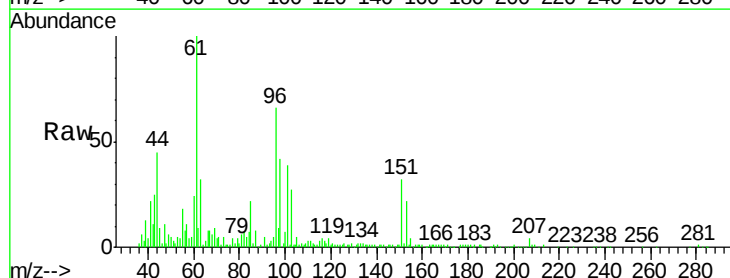
Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:50 PM



#12
1,1-Dichloroethene
Concen: 5.57 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Tgt Ion: 96 Resp: 19943
Ion Ratio Lower Upper
96 100
61 154.9 131.7 197.5
98 58.4 51.6 77.4





#13

Acrolein

Concen: 33.38 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 56 Resp: 14887

Ion Ratio Lower Upper

56 100

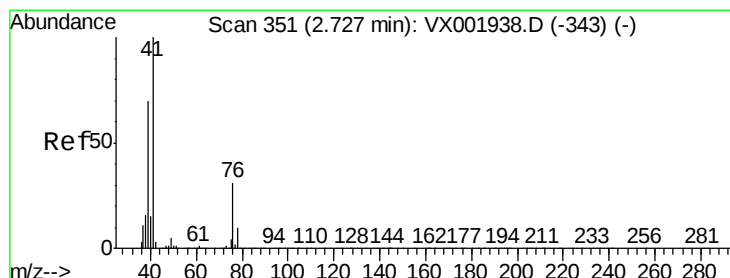
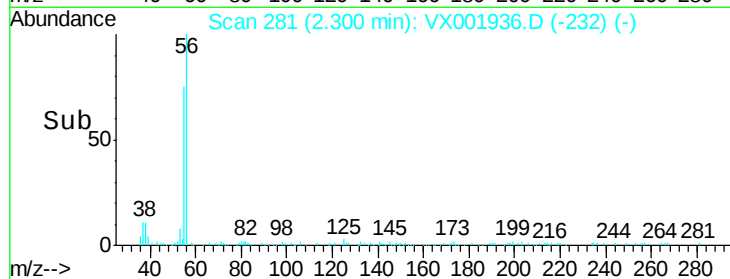
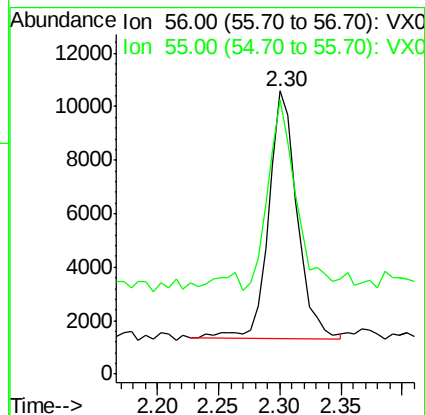
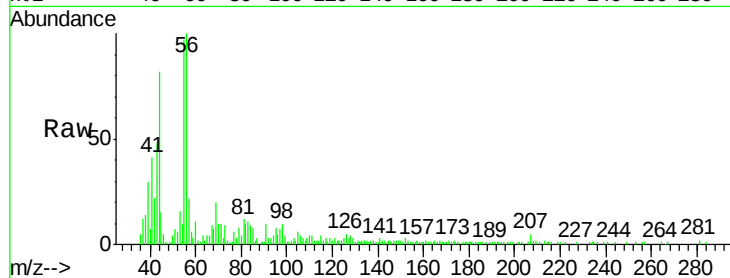
55 80.3 56.8 85.2

Manual Integrations

APPROVED

MMDadoda

5/25/2018 2:25:50 PM



#14

Allyl chloride

Concen: 5.28 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

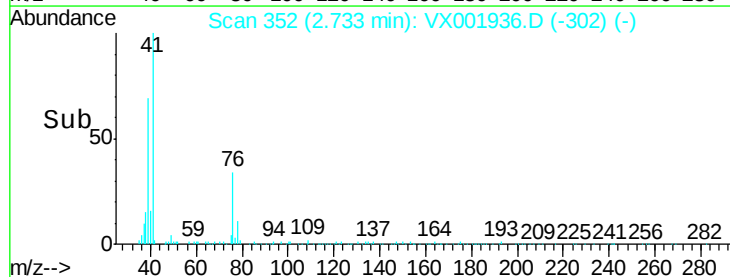
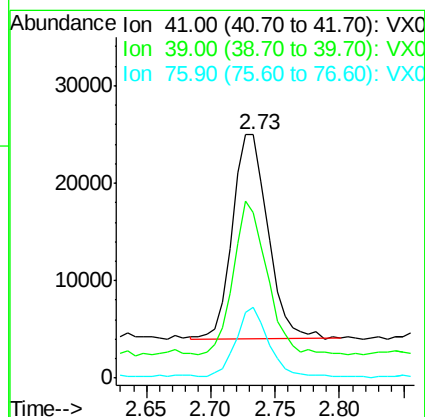
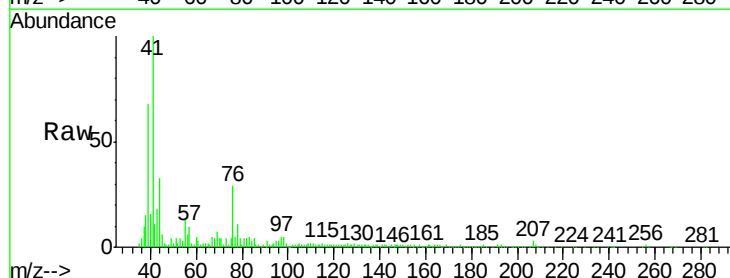
Tgt Ion: 41 Resp: 40664

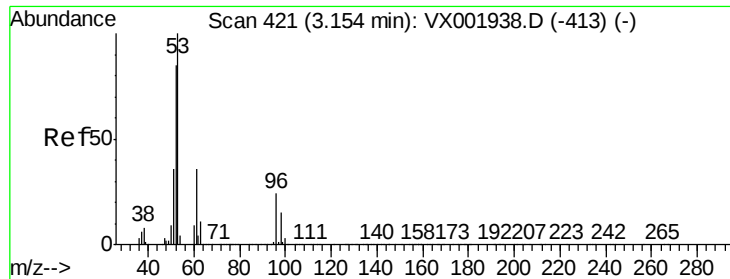
Ion Ratio Lower Upper

41 100

39 70.6 54.3 81.5

76 30.5 24.2 36.4





#15

Acrylonitrile

Concen: 25.82 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

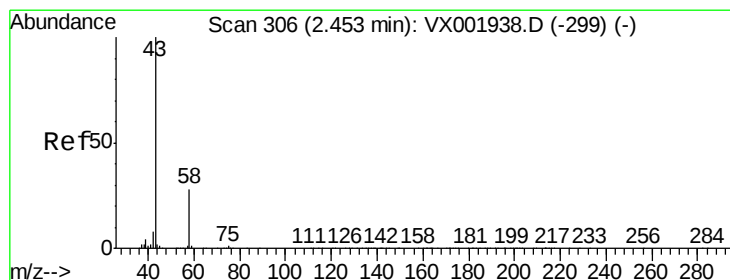
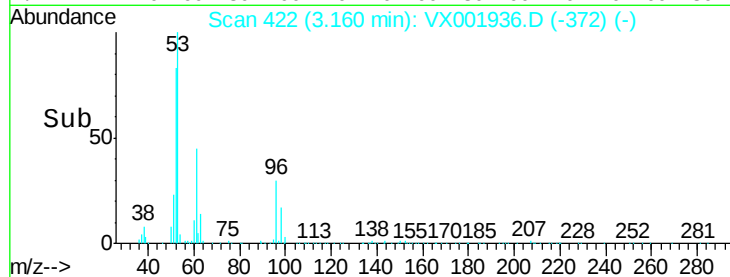
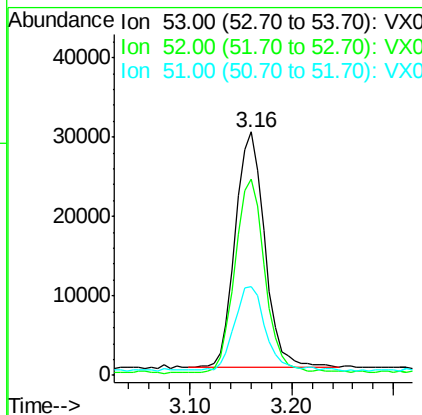
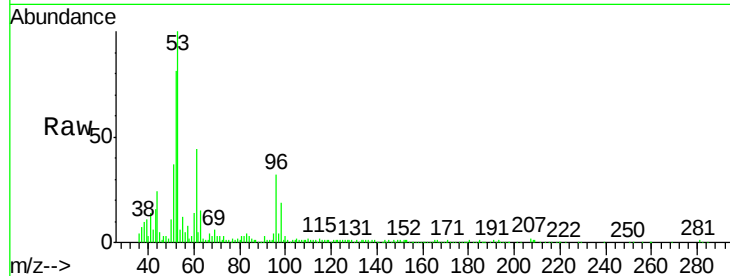
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	59541
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.4	99.6
51	39.5	29.3	43.9

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:50 PM



#16

Acetone

Concen: 26.92 ug/l

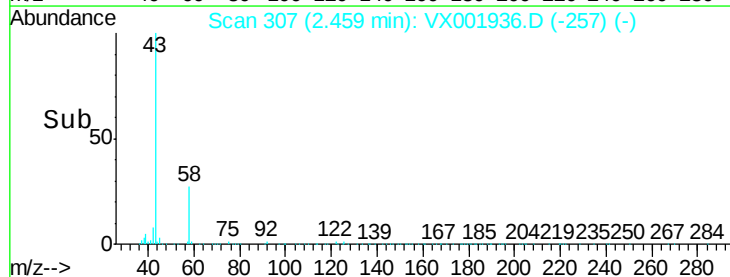
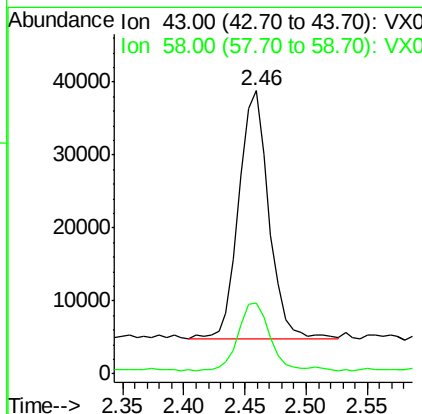
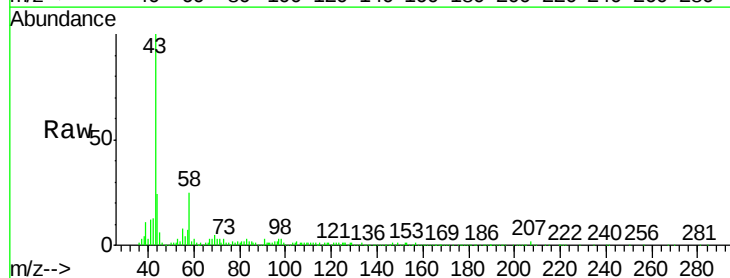
RT: 2.46 min Scan# 307

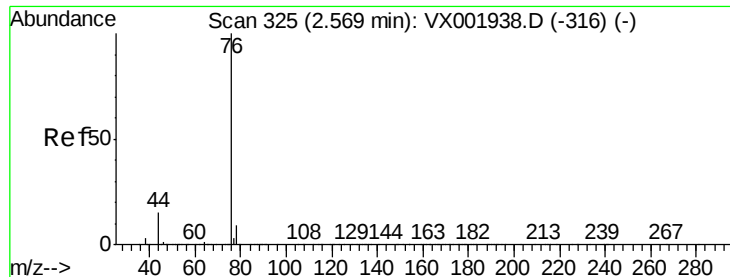
Delta R.T. 0.01 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Tgt Ion:	43	Resp:	58125
Ion Ratio	Lower	Upper	
43	100		
58	27.5	22.3	33.5





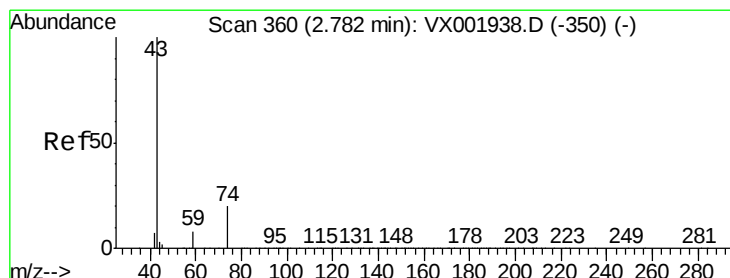
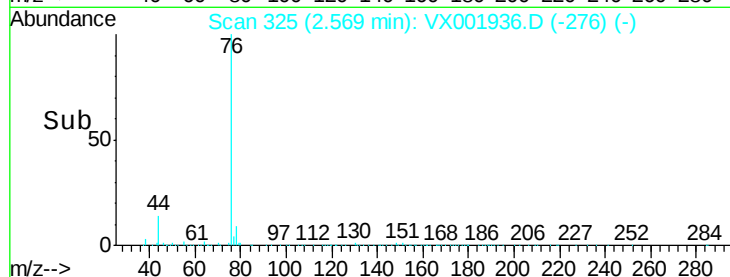
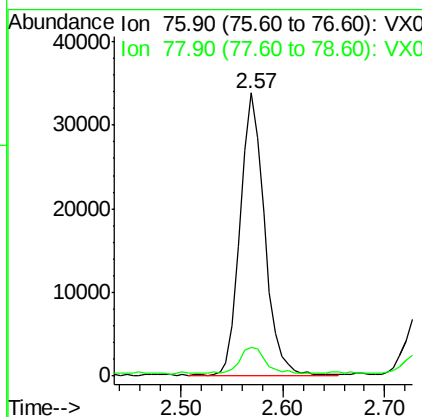
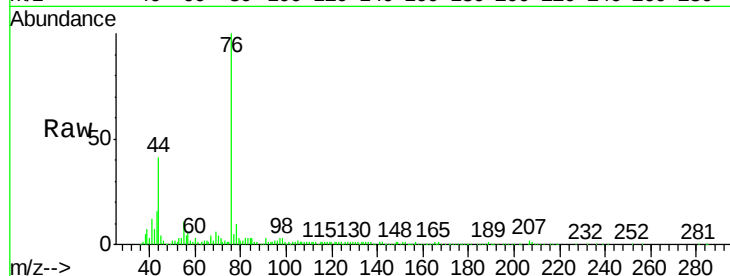
#17
Carbon Disulfide
Concen: 5.29 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

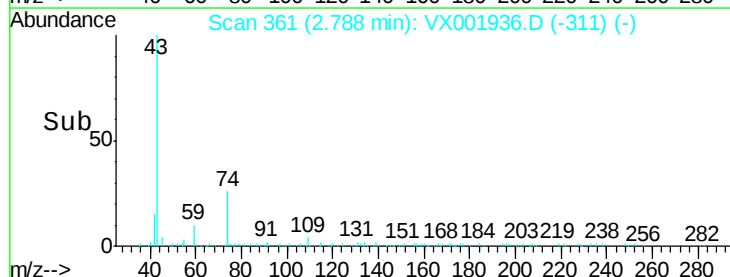
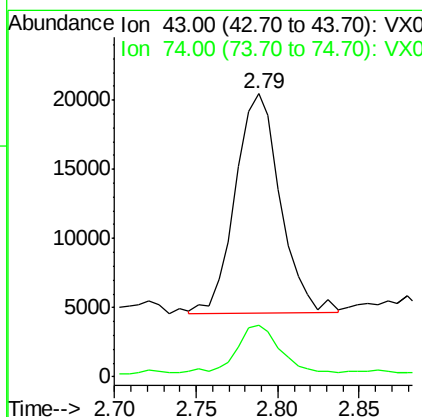
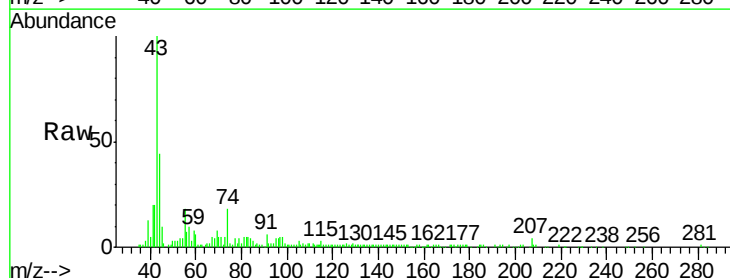
Manual Integrations
APPROVED

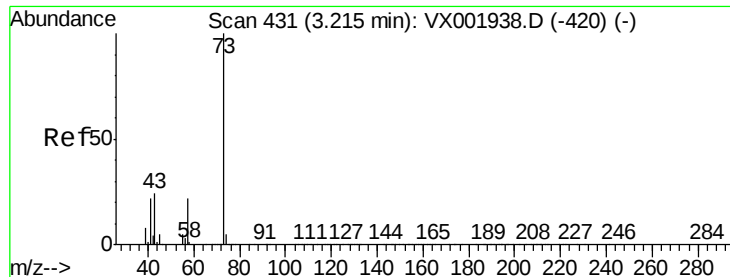
MMDadoda
5/25/2018 2:25:50 PM



#18
Methyl Acetate
Concen: 5.44 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	16.8	25.2





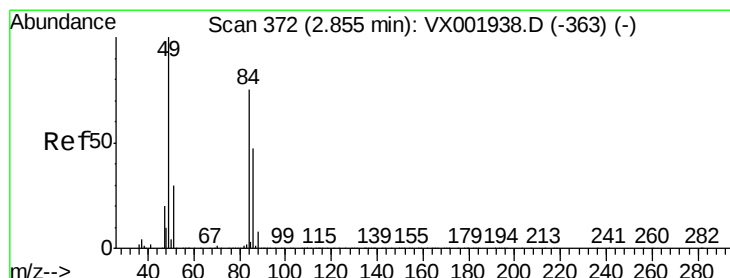
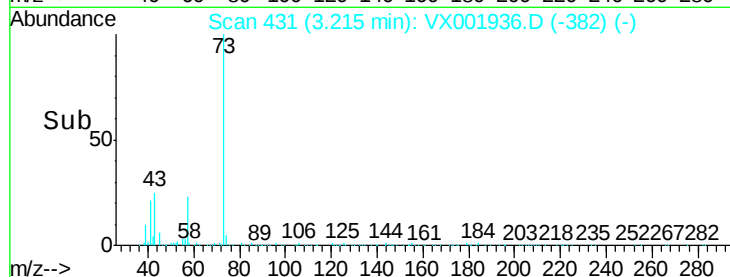
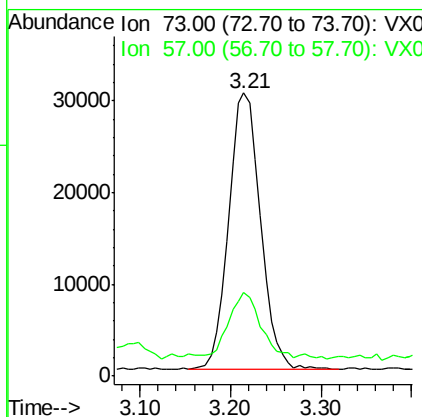
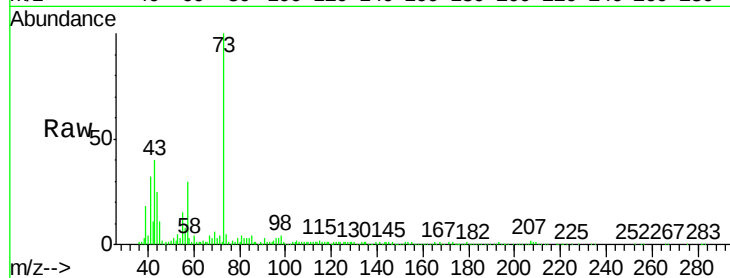
#19
Methvl tert-butvl Ether
Concen: 5.30 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	17.4	26.0

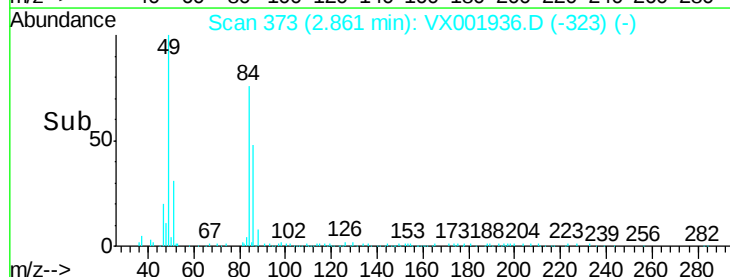
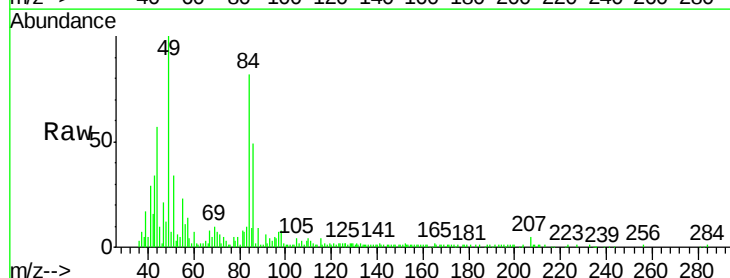
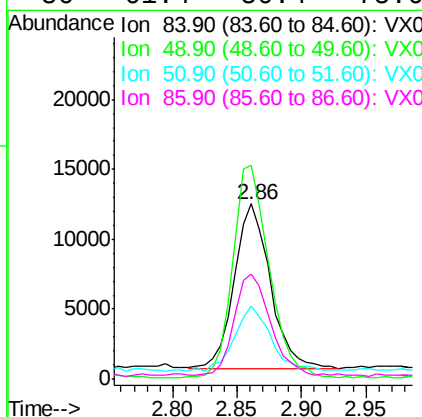
Manual Integrations
APPROVED

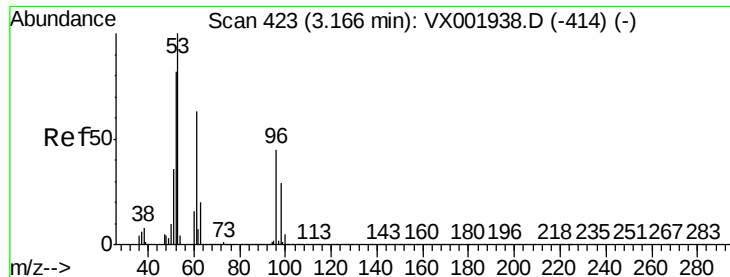
MMDadoda
5/25/2018 2:25:50 PM



#20
Methylene Chloride
Concen: 5.76 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.3	107.2	160.8
51	39.7	32.4	48.6
86	61.4	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 5.38 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

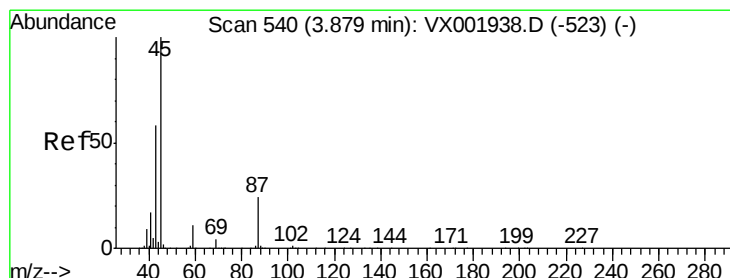
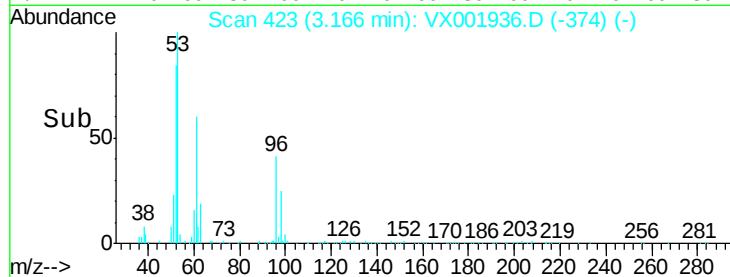
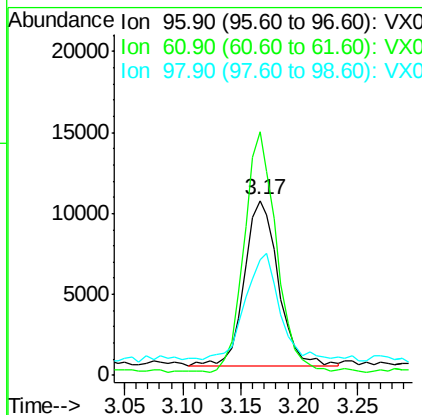
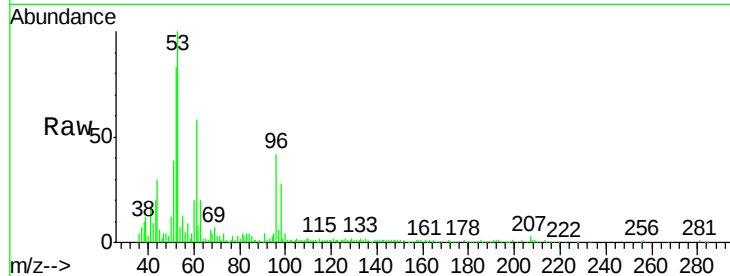
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	20715
Ion	Ratio	Lower	Upper
96	100		
61	144.9	113.3	169.9
98	59.6	51.7	77.5

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:50 PM



#22

Diisopropyl ether

Concen: 5.32 ug/l

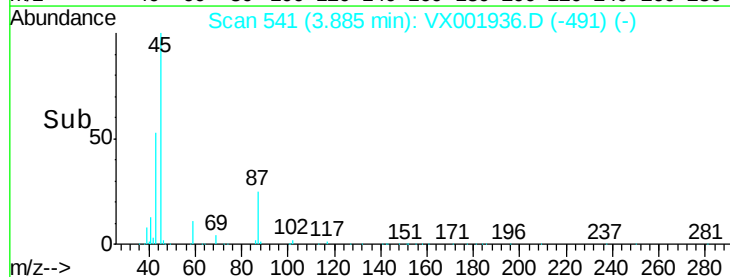
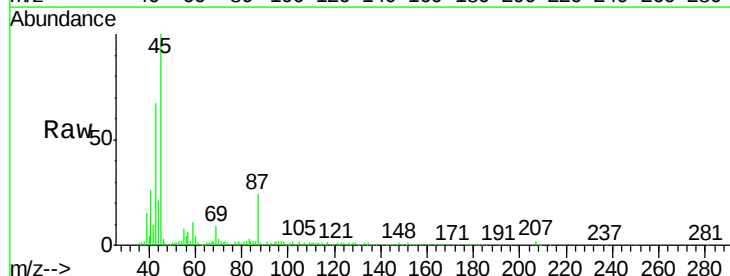
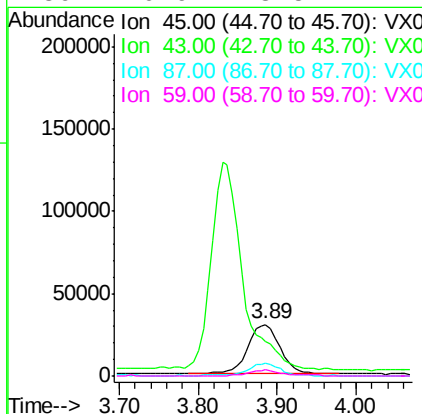
RT: 3.89 min Scan# 541

Delta R.T. 0.01 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Tgt Ion:	45	Resp:	85961
Ion	Ratio	Lower	Upper
45	100		
43	56.6	47.0	70.6
87	24.5	19.4	29.0
59	10.9	8.5	12.7





#23

Vinyl Acetate

Concen: 26.58 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 349181

Ion Ratio Lower Upper

43 100

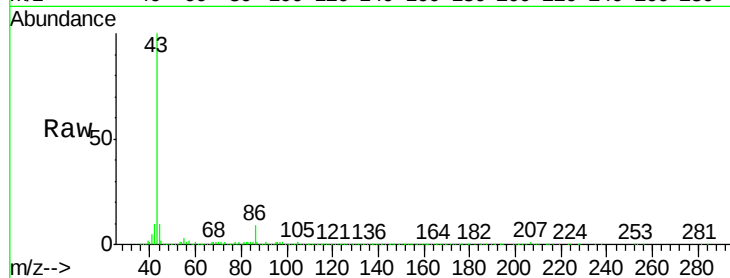
86 9.1 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

5/25/2018 2:25:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

150000

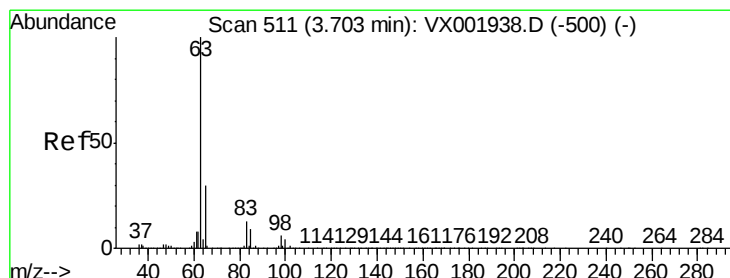
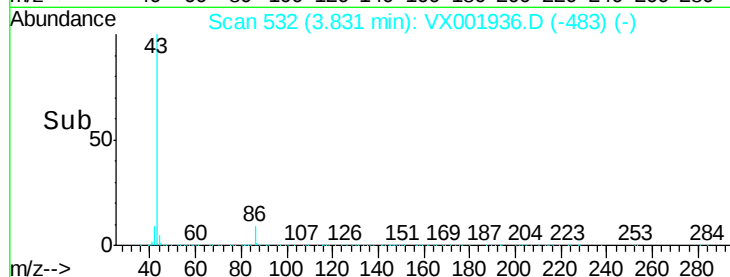
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 5.24 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

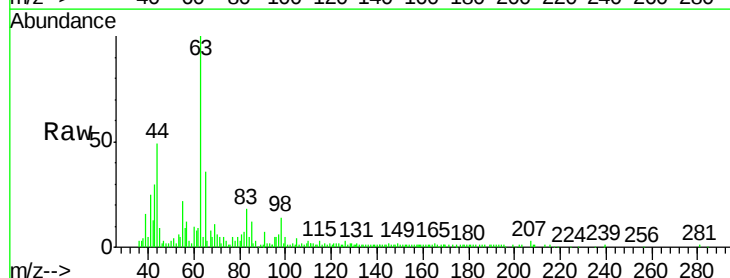
Tgt Ion: 63 Resp: 38973

Ion Ratio Lower Upper

63 100

98 8.3 3.3 9.8

100 4.1 2.1 6.5



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

20000

15000

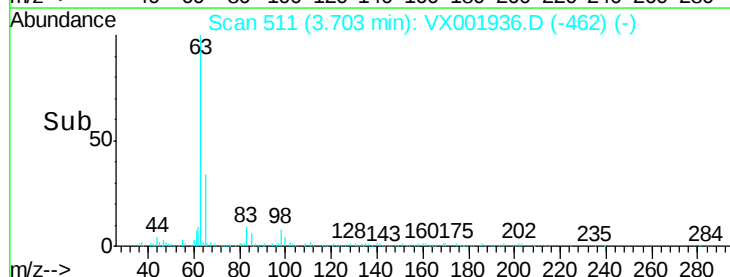
10000

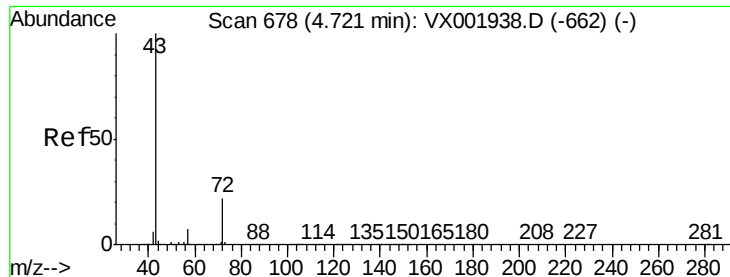
5000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 25.92 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 105580

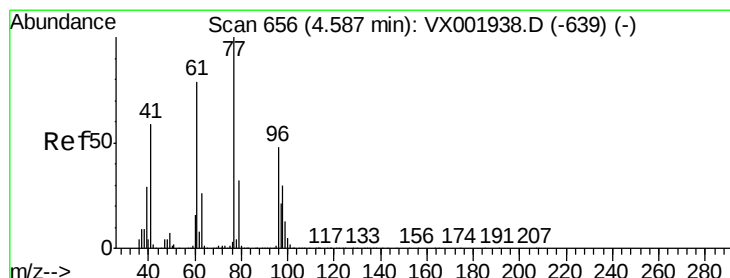
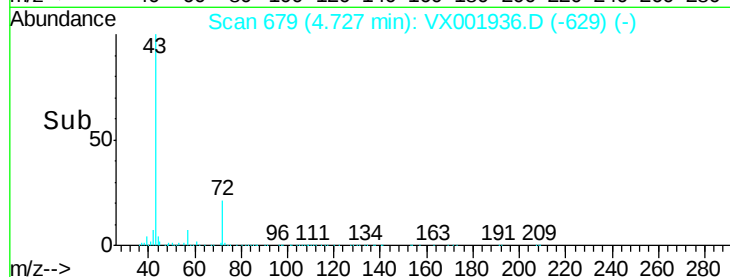
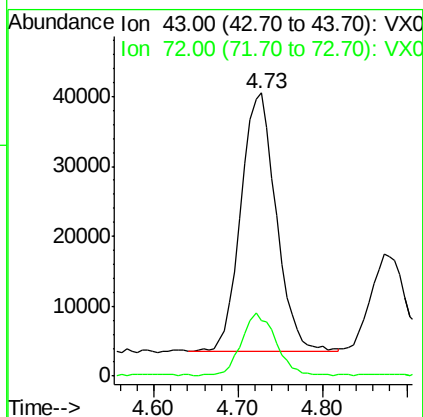
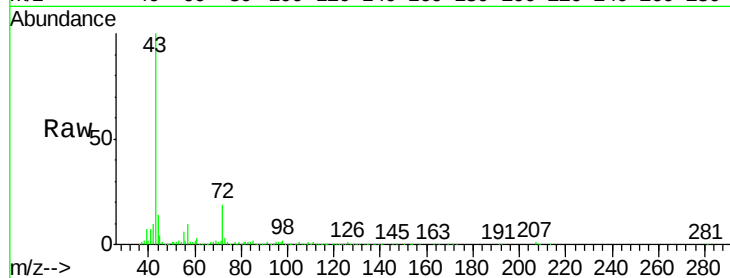
Ion Ratio Lower Upper

43 100

72 20.8 17.9 26.9

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:50 PM



#26

2,2-Dichloropropane

Concen: 5.50 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001936.D

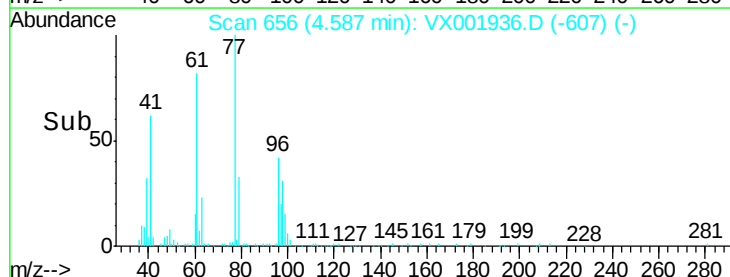
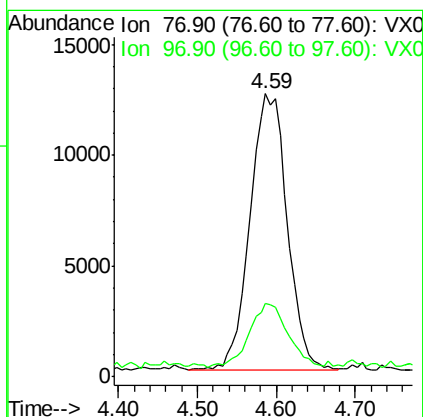
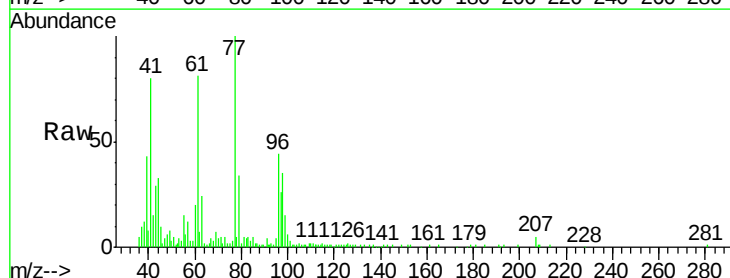
Acq: 24 May 2018 10:53

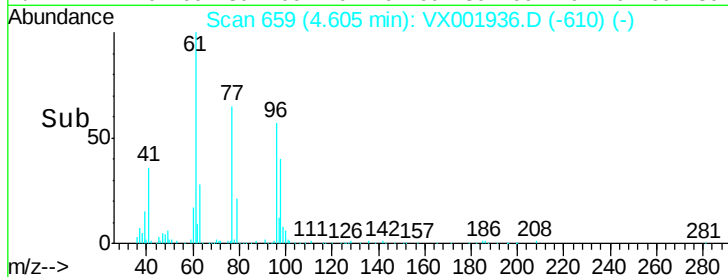
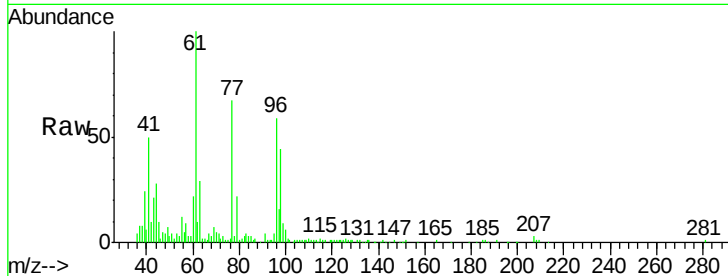
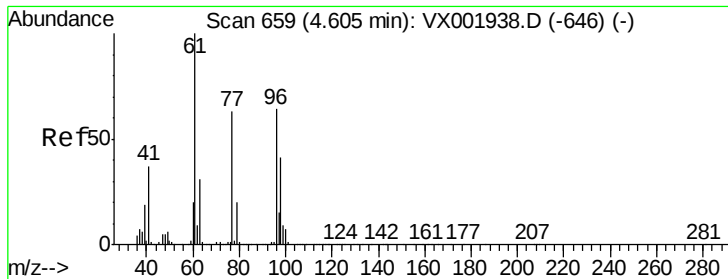
Tgt Ion: 77 Resp: 40612

Ion Ratio Lower Upper

77 100

97 24.4 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 5.23 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001936.D

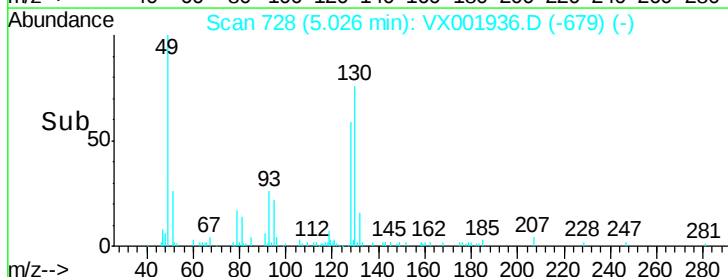
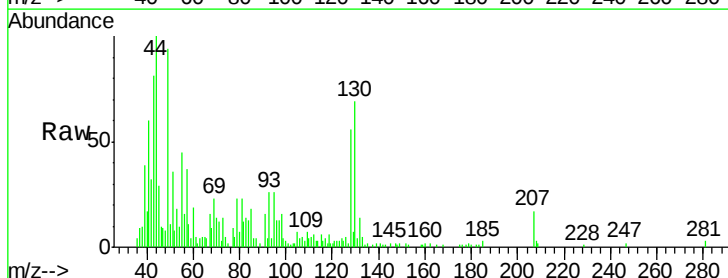
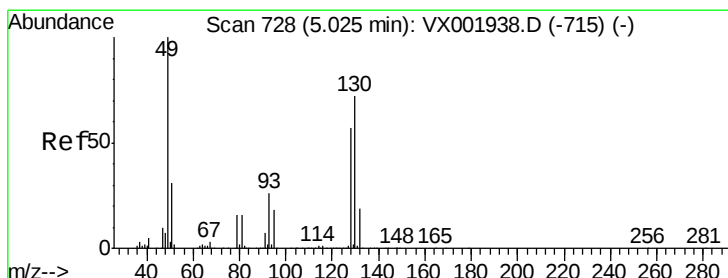
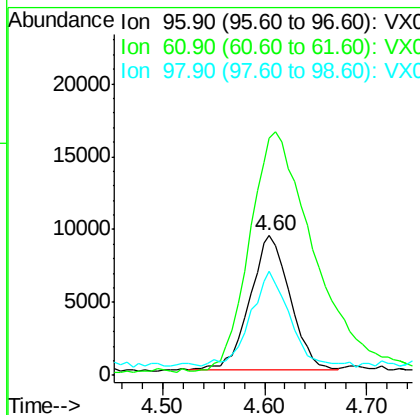
Acq: 24 May 2018 10:53

Tot Ion:	96	Resp:	25001
Ion	Ratio	Lower	Upper
96	100		
61	287.4	0.0	348.4
98	72.7	0.0	128.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:50 PM



#28

Bromochloromethane

Concen: 3.58 ug/l

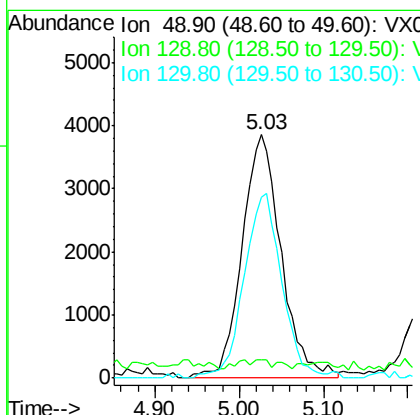
RT: 5.03 min Scan# 728

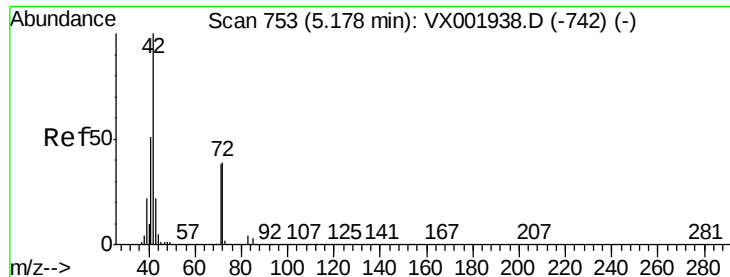
Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Tgt Ion:	49	Resp:	12152
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	73.2	59.4	89.2





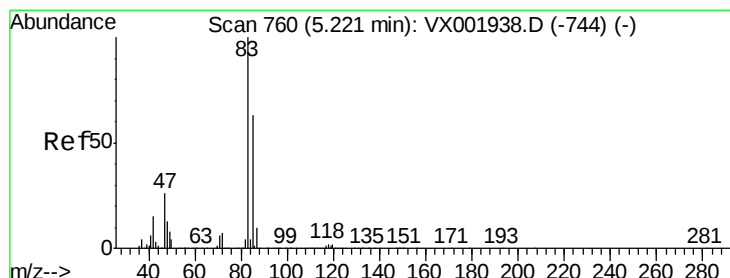
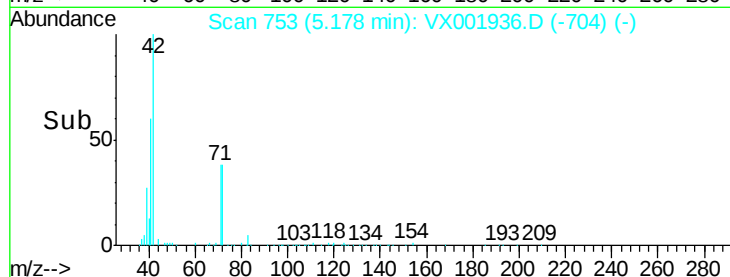
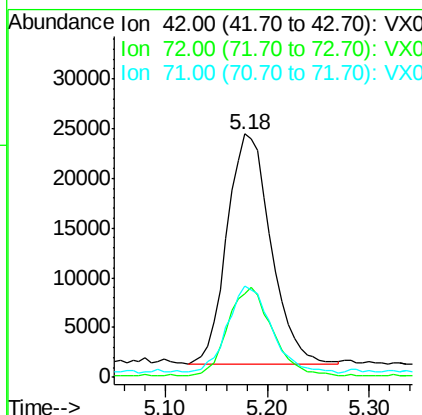
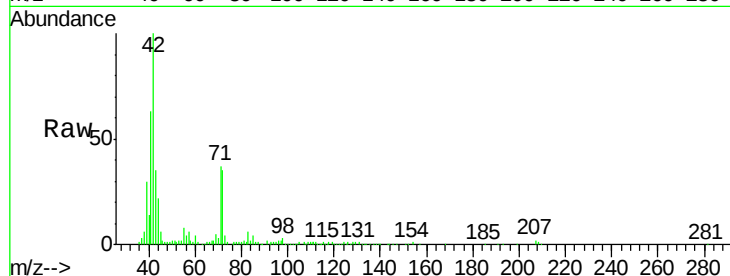
#29
Tetrahydrofuran
Concen: 26.36 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	31.4	47.0
71	37.5	29.5	44.3

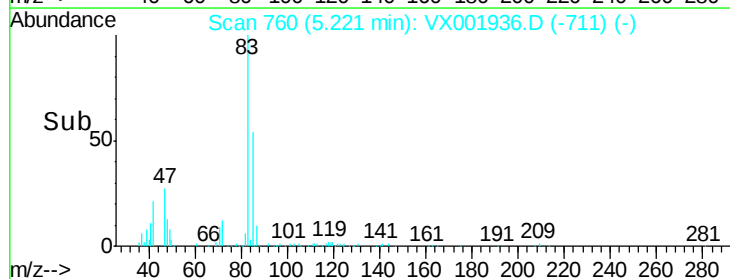
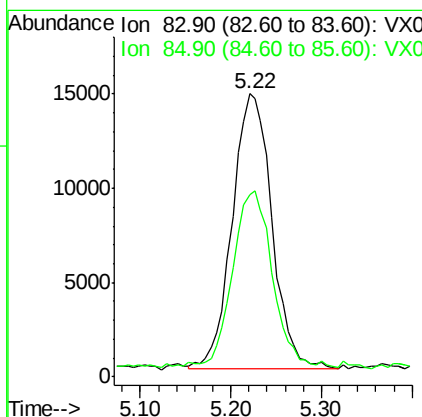
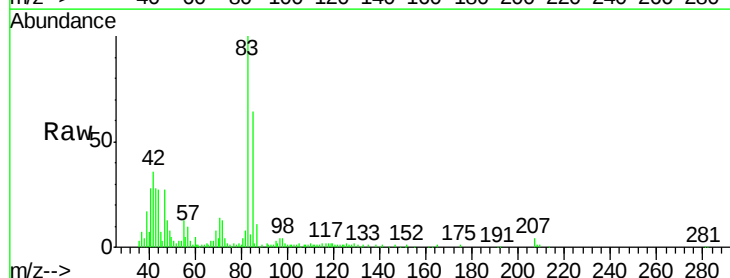
Manual Integrations
APPROVED

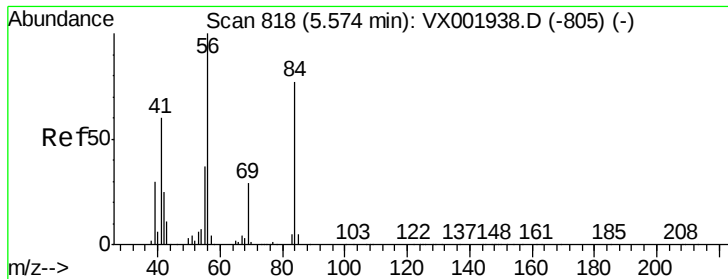
MMDadoda
5/25/2018 2:25:50 PM



#30
Chloroform
Concen: 5.33 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.9	76.3





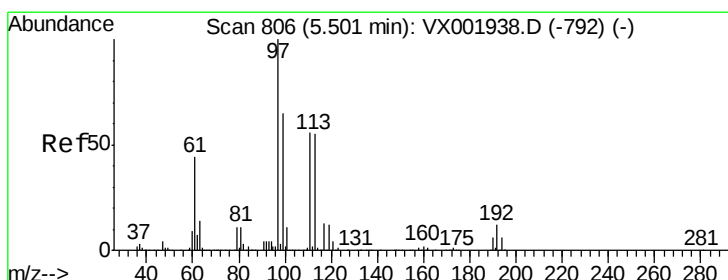
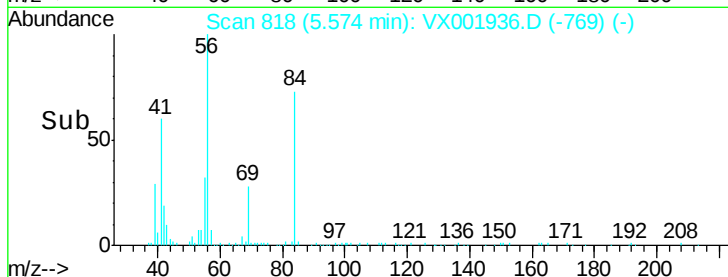
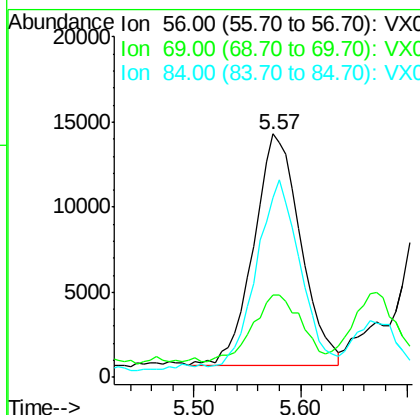
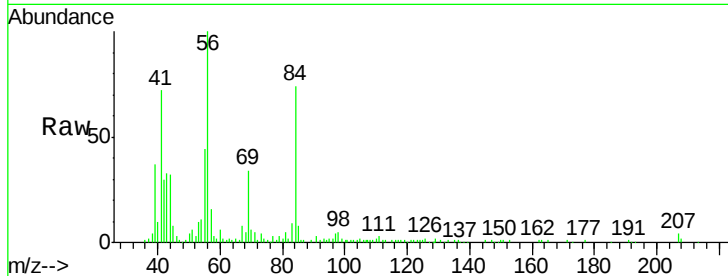
#31
Cyclohexane
Concen: 5.50 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion:	56	Resp:	41853
Ion	Ratio	Lower	Upper
56	100		
69	28.2	23.1	34.7
84	72.7	62.0	93.0

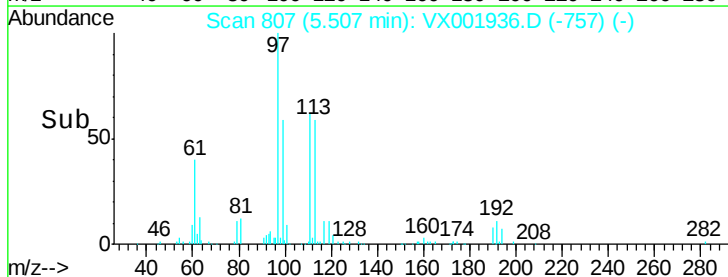
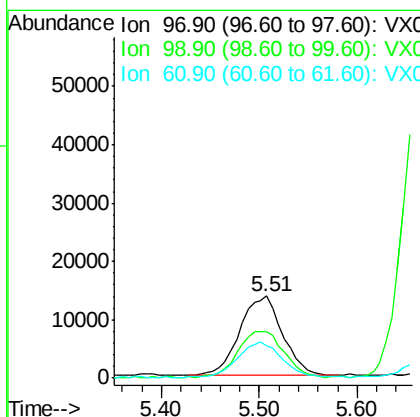
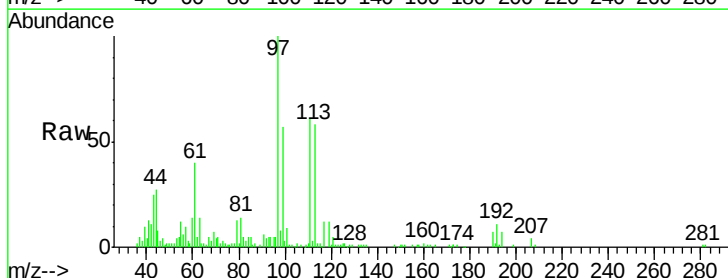
Manual Integrations
APPROVED

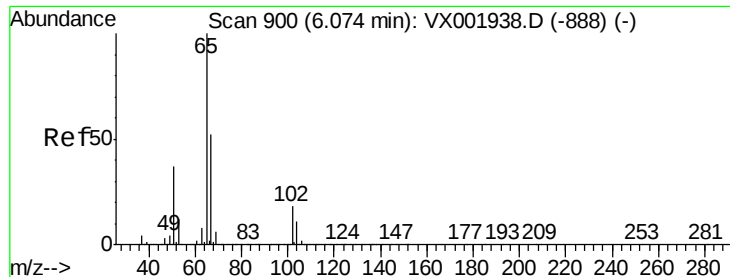
MMDadoda
5/25/2018 2:25:50 PM



#32
1,1,1-Trichloroethane
Concen: 5.27 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Tgt Ion:	97	Resp:	41129
Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.9	77.9
61	46.1	35.9	53.9





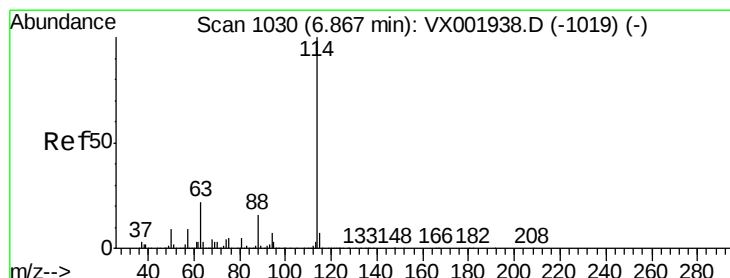
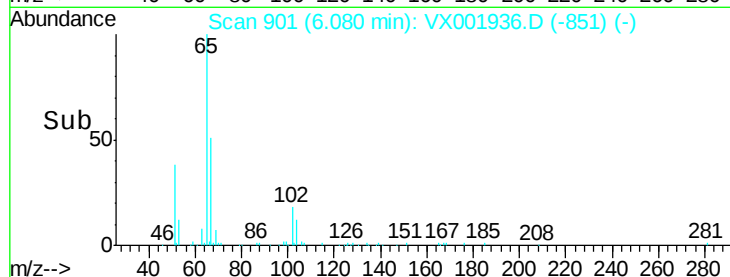
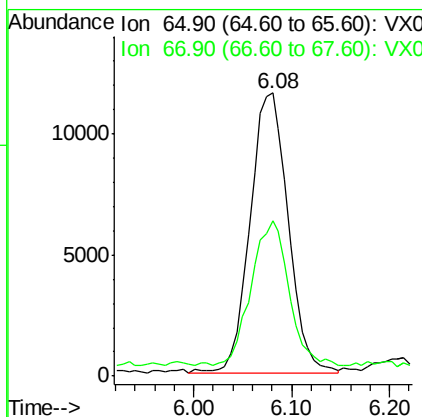
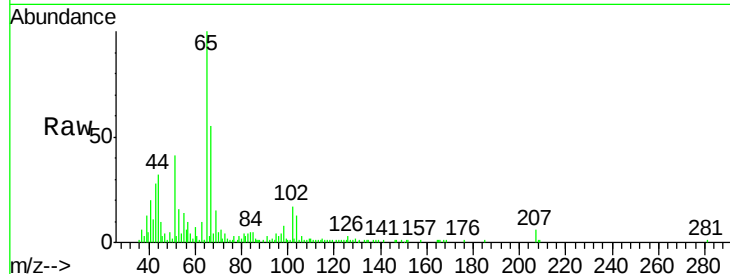
#33
 1,2-Dichloroethane-d4
 Concen: 5.46 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001936.D
 Acq: 24 May 2018 10:53

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	31187		
67	51.8	0.0	104.0	

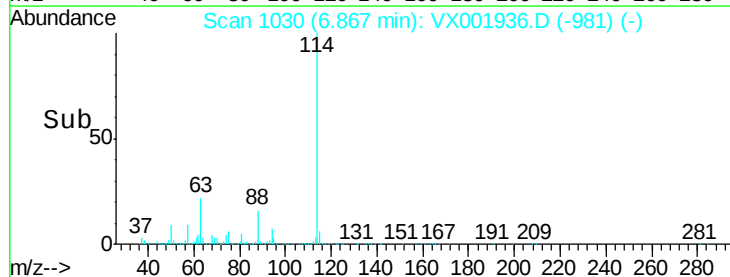
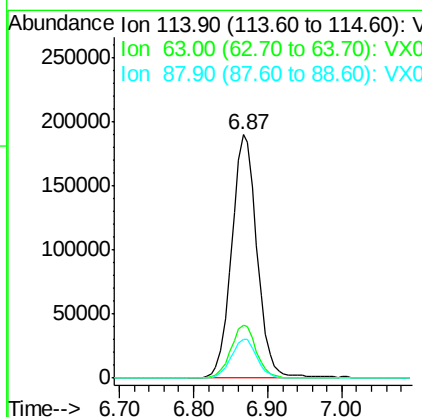
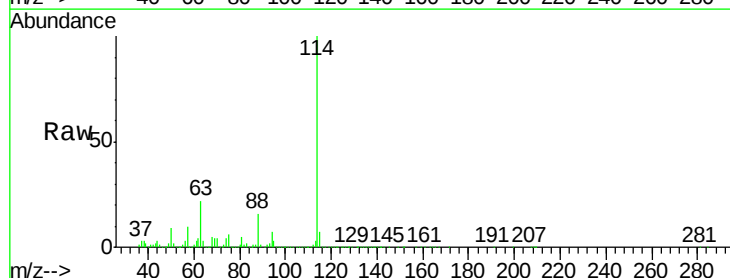
Manual Integrations
 APPROVED

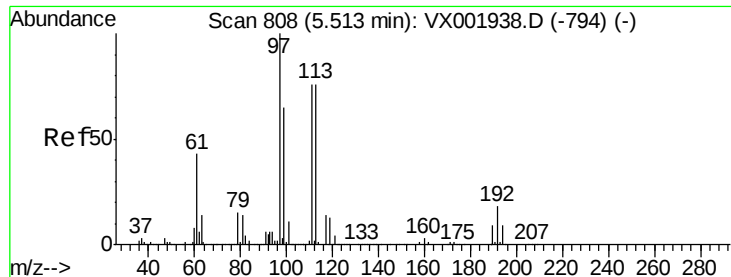
MMDadoda
 5/25/2018 2:25:50 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001936.D
 Acq: 24 May 2018 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	452916		
63	21.7	0.0	43.2	
88	15.8	0.0	31.6	





#35

Dibromofluoromethane

Concen: 5.62 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

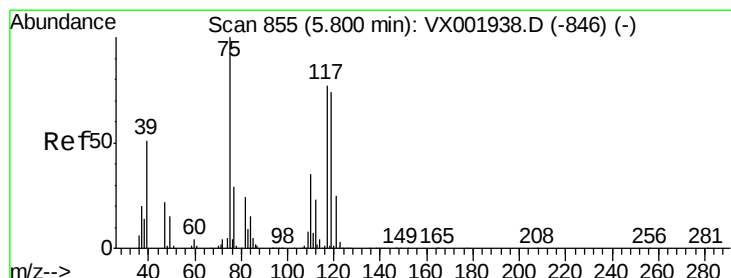
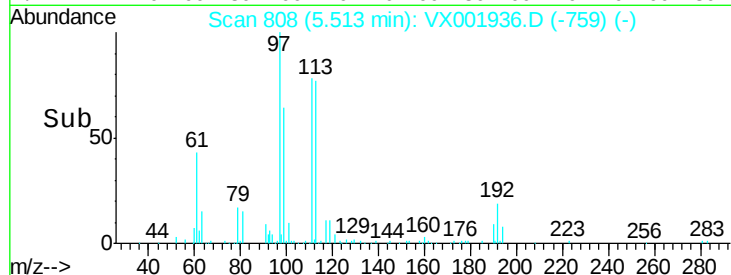
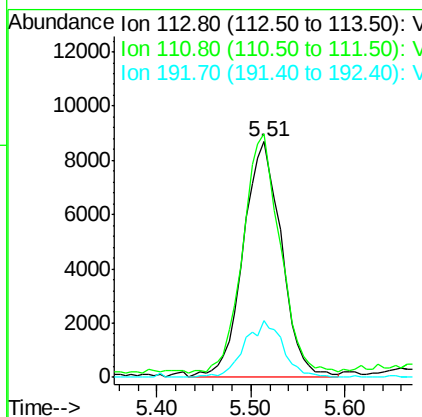
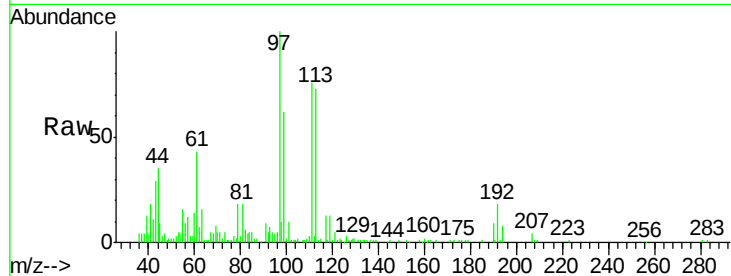
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	24826
Ion Ratio	Lower	Upper	
113	100		
111	97.9	82.0	123.0
192	24.0	18.9	28.3

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:50 PM



#36

1,1-Dichloropropene

Concen: 5.08 ug/l

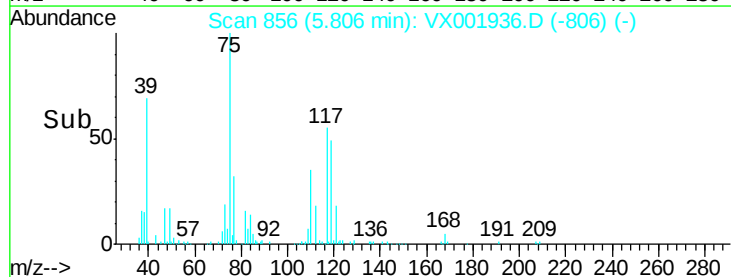
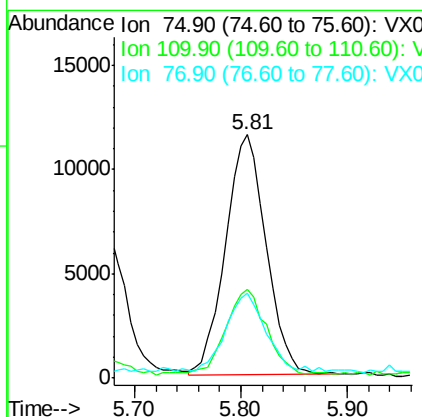
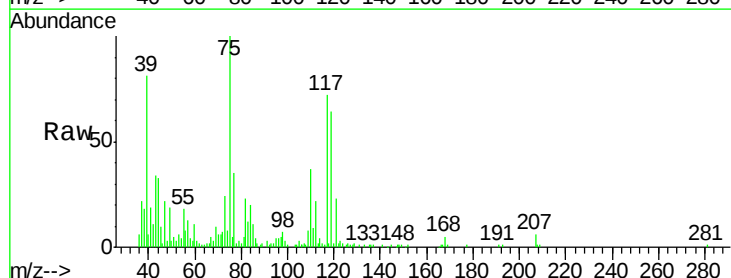
RT: 5.81 min Scan# 856

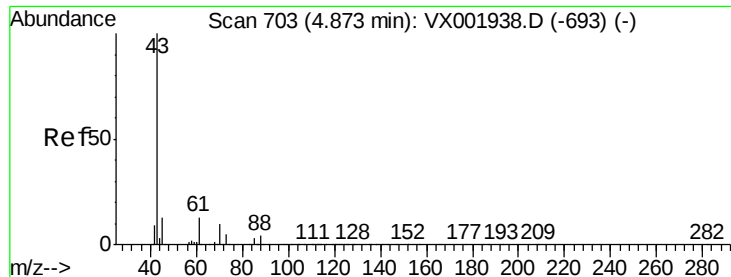
Delta R.T. 0.01 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Tgt Ion:	75	Resp:	30703
Ion Ratio	Lower	Upper	
75	100		
110	35.3	17.4	52.2
77	31.9	24.4	36.6





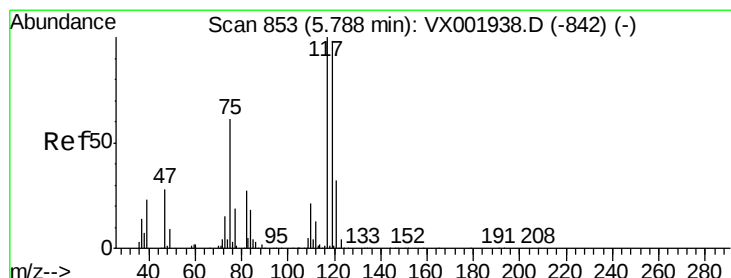
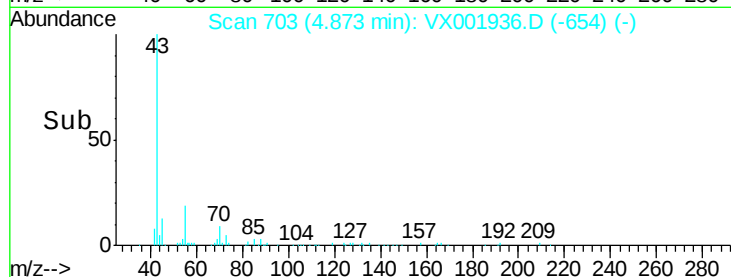
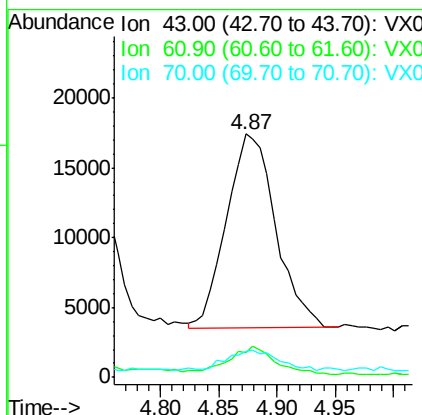
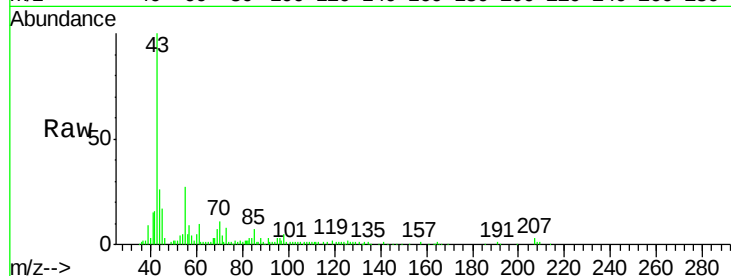
#37
Ethyl Acetate
Concen: 5.09 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.2	15.2
70	10.4	7.8	11.8

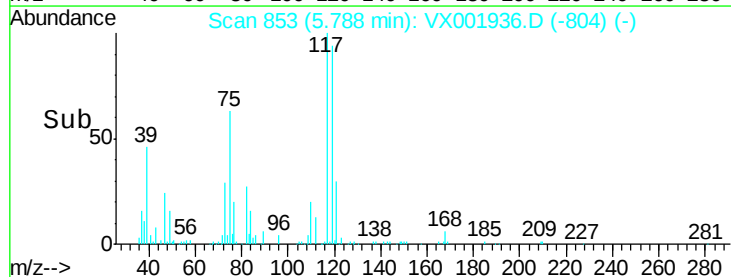
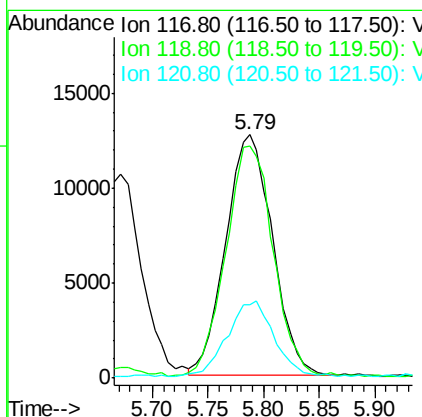
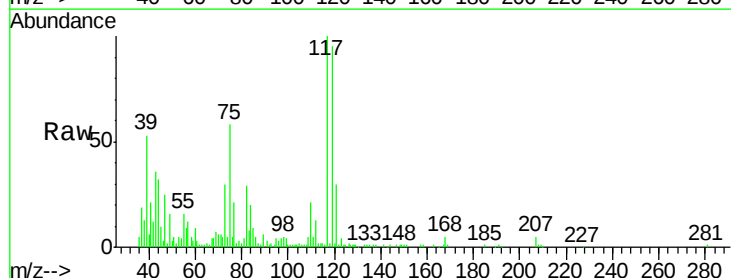
Manual Integrations
APPROVED

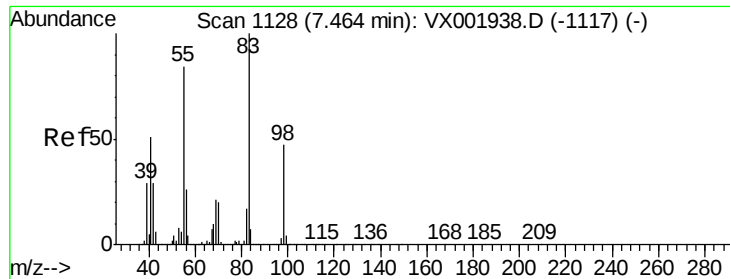
MMDadoda
5/25/2018 2:25:50 PM



#38
Carbon Tetrachloride
Concen: 5.25 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.5	117.7
121	29.8	25.5	38.3





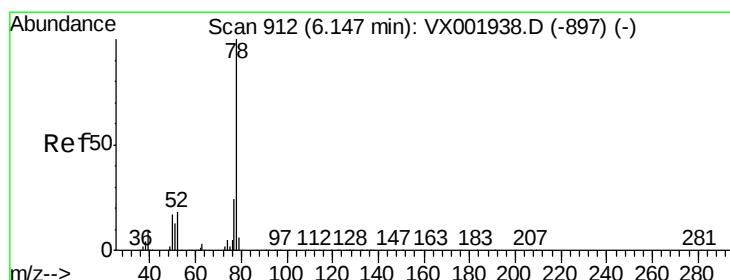
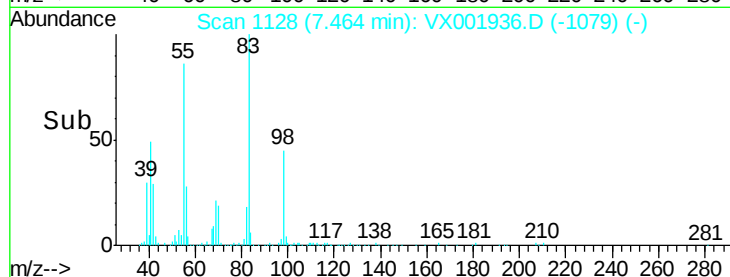
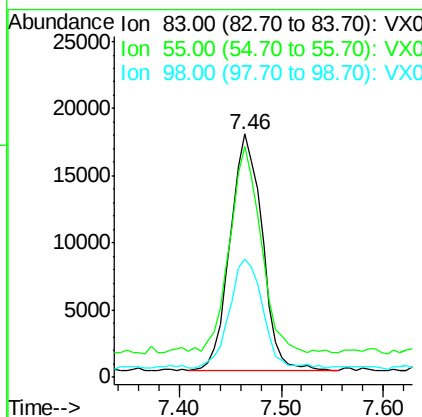
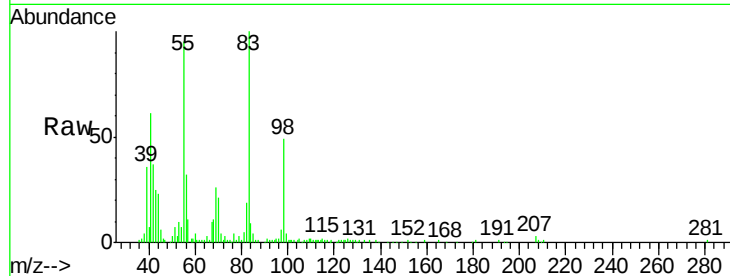
#39
Methvlcvclohexane
Concen: 5.20 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.1	67.3	100.9
98	46.4	37.5	56.3

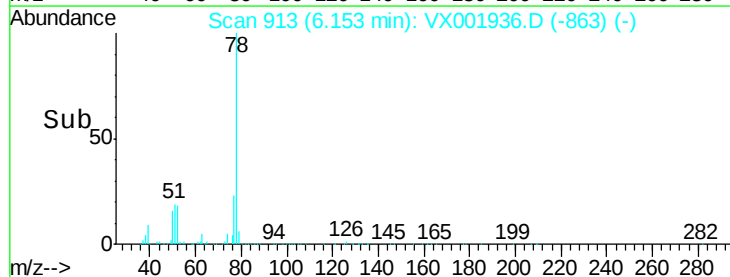
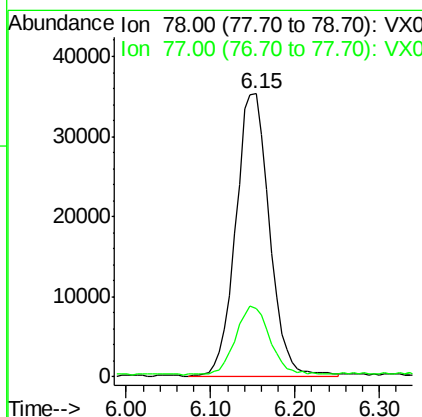
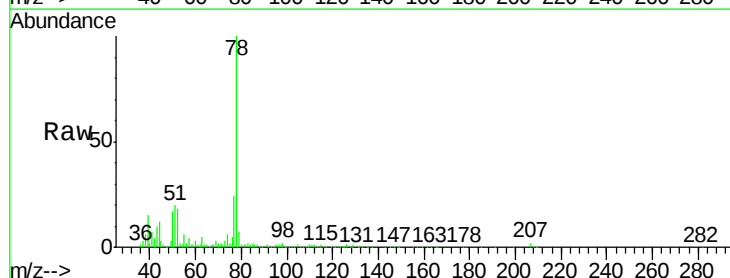
Manual Integrations
APPROVED

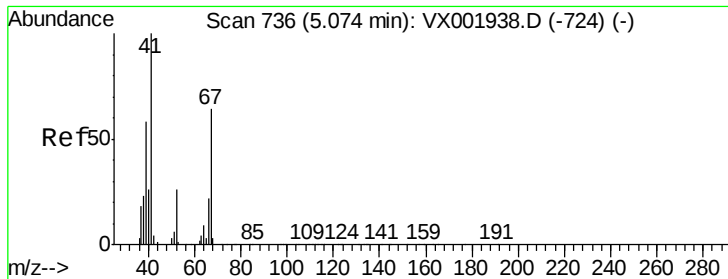
MMDadoda
5/25/2018 2:25:50 PM



#40
Benzene
Concen: 5.29 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7





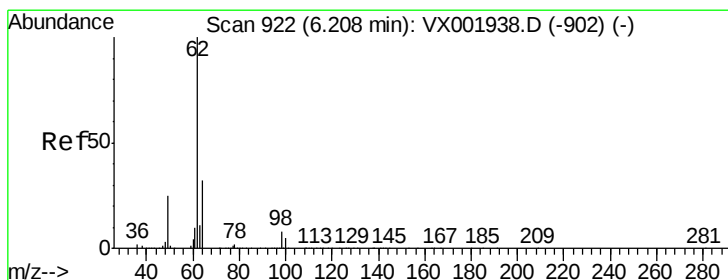
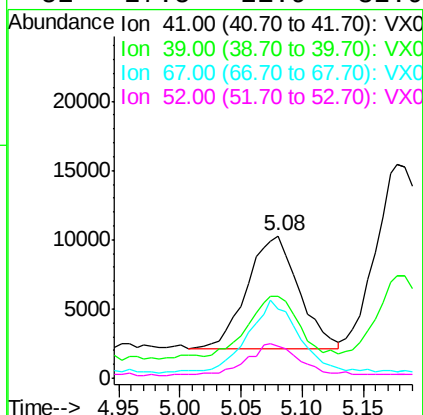
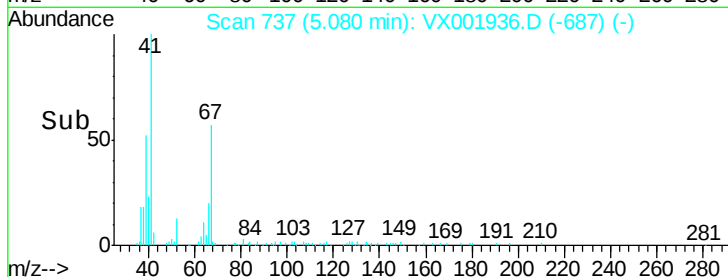
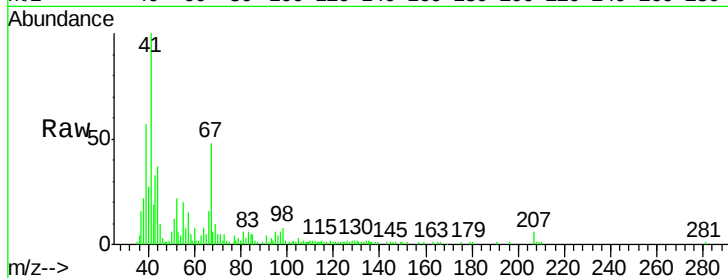
#41
Methacrylonitrile
Concen: 5.42 ug/l
RT: 5.08 min Scan# 737
Delta R.T. 0.01 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		24094		
39	57.8	46.0	69.0		
67	62.9	50.6	75.8		
52	27.5	21.9	32.9		

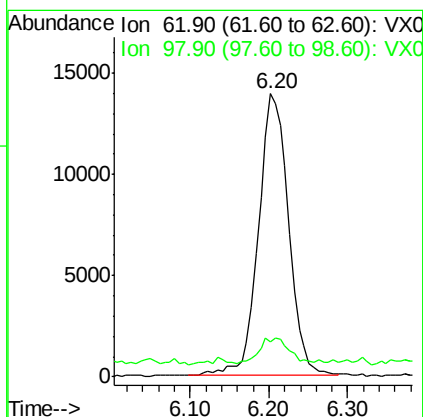
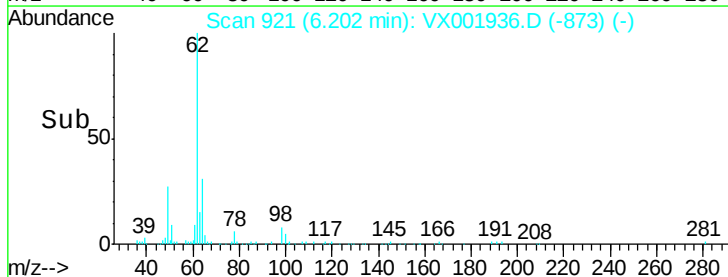
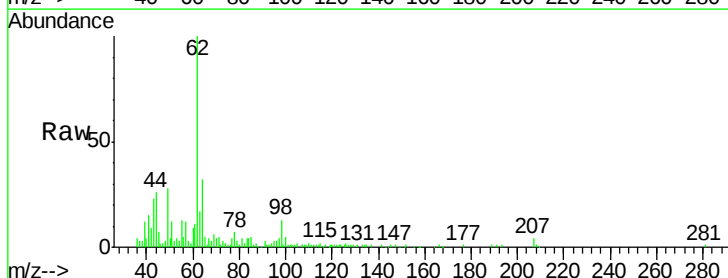
Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:50 PM



#42
1,2-Dichloroethane
Concen: 5.28 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		36987		
98	9.6	0.0	17.0		





#43

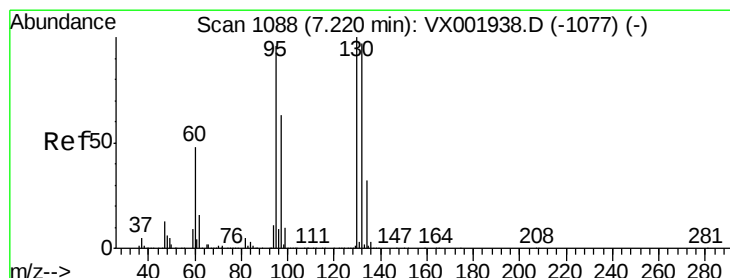
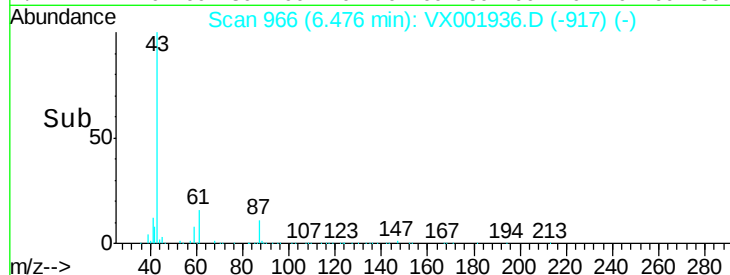
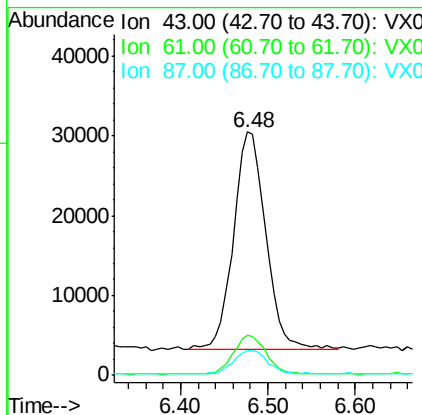
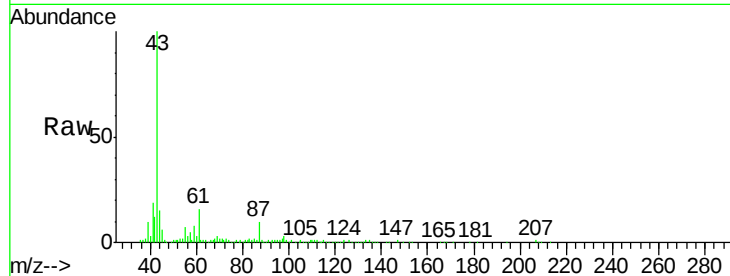
Isopropyl Acetate
 Concen: 5.21 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001936.D
 Acq: 24 May 2018 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.5	21.7
87	11.4	9.5	14.3

Manual Integrations
 APPROVED

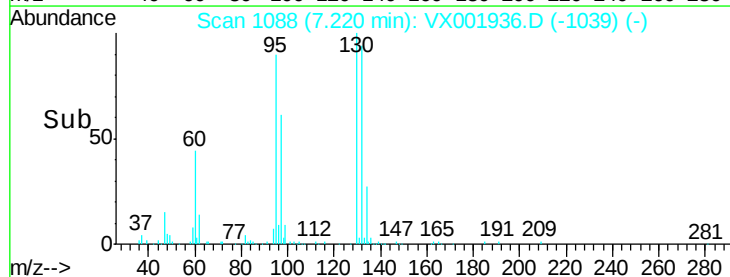
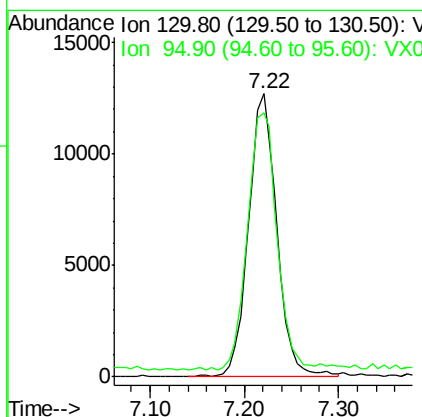
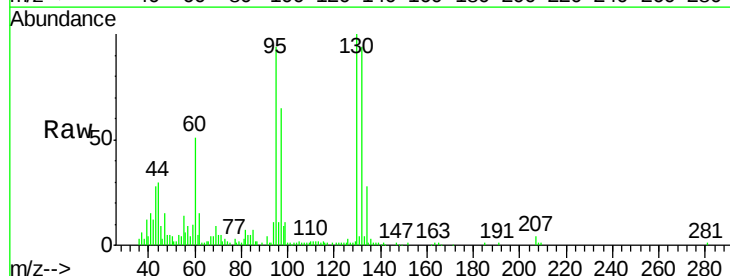
MMDadoda
 5/25/2018 2:25:50 PM

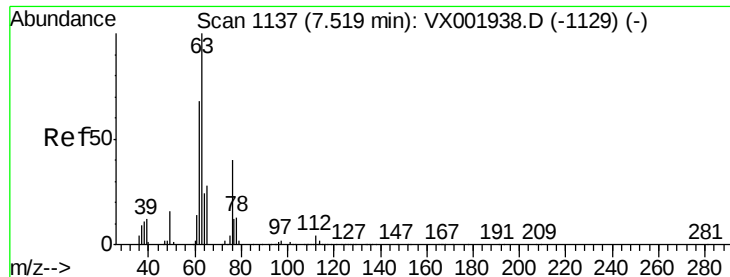


#44

Trichloroethene
 Concen: 5.18 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001936.D
 Acq: 24 May 2018 10:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	192.0





#45

1,2-Dichloropropane

Concen: 5.12 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 24496

Ion Ratio Lower Upper

63 100

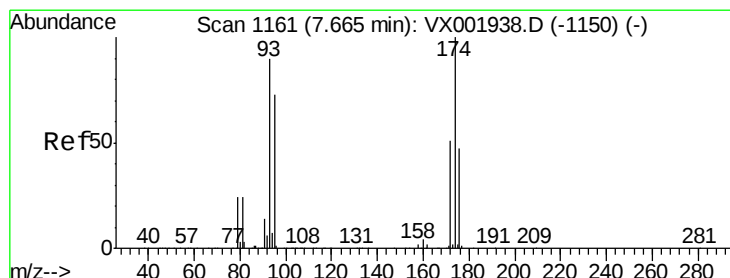
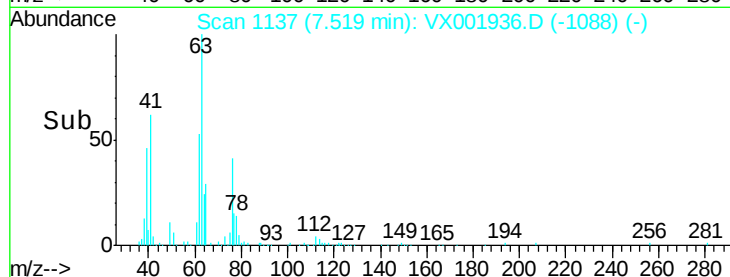
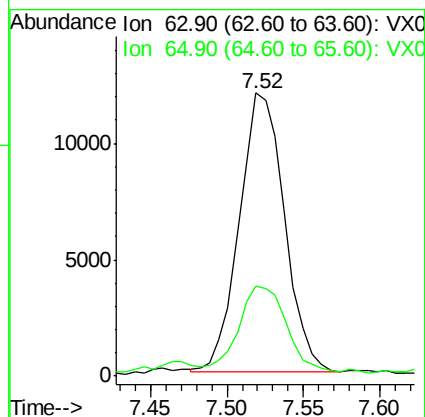
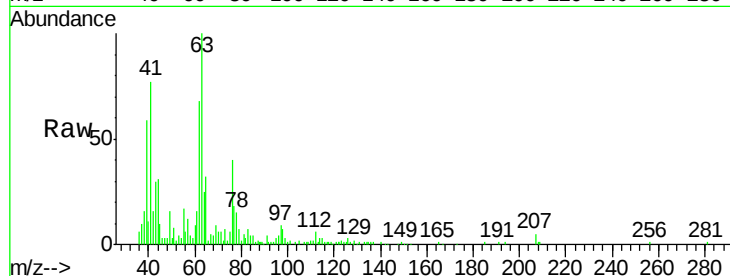
65 30.5 24.1 36.1

Manual Integrations

APPROVED

MMDadoda

5/25/2018 2:25:50 PM



#46

Dibromomethane

Concen: 5.13 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

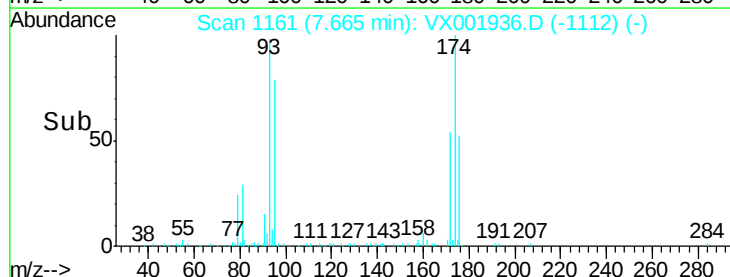
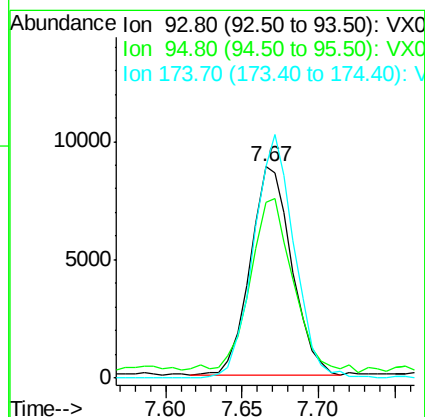
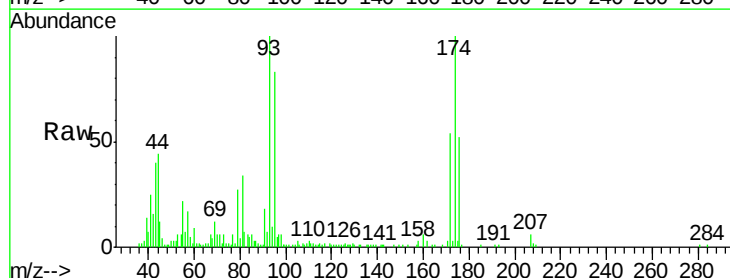
Tgt Ion: 93 Resp: 16565

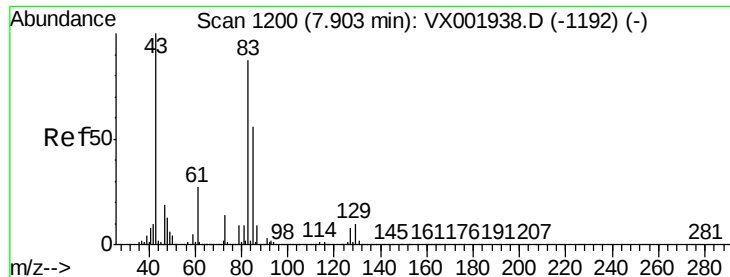
Ion Ratio Lower Upper

93 100

95 87.5 66.1 99.1

174 114.7 92.5 138.7





#47

Bromodichloromethane

Concen: 5.15 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

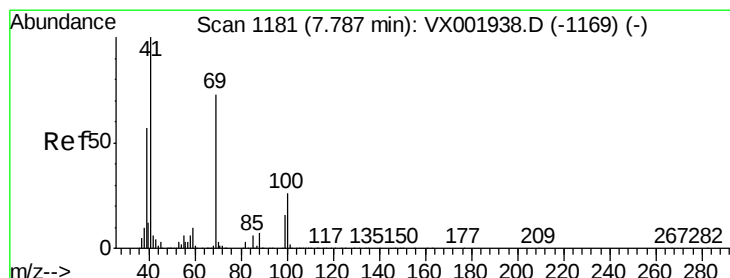
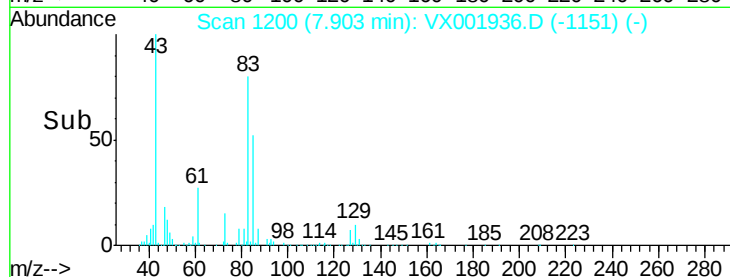
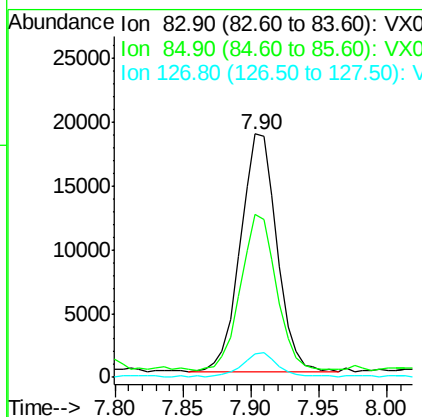
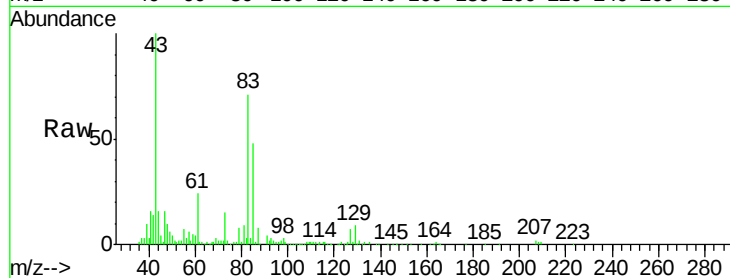
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	34960
Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.2
127	9.6	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:50 PM



#48

Methyl methacrylate

Concen: 5.35 ug/l

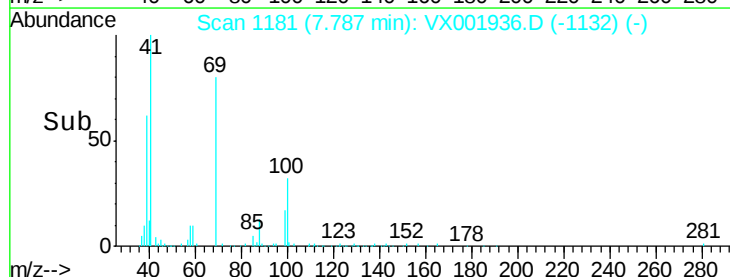
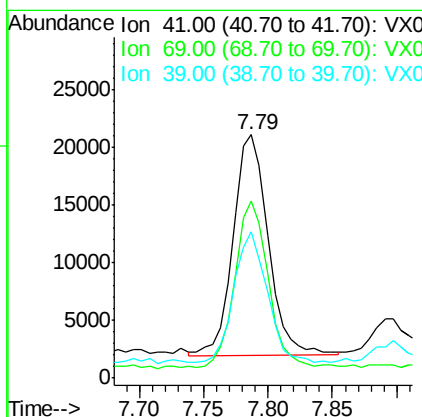
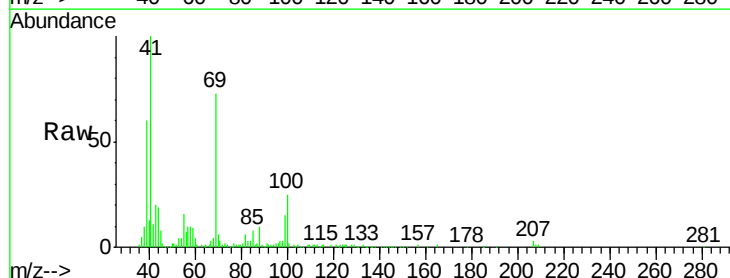
RT: 7.79 min Scan# 1181

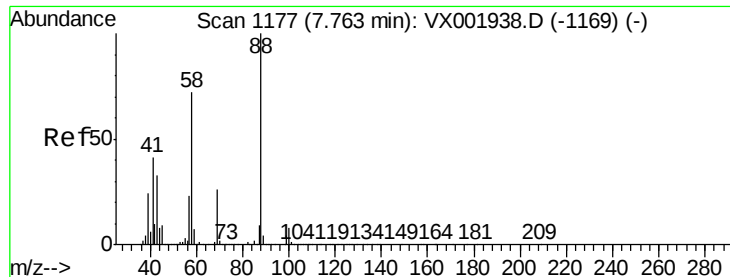
Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Tgt Ion:	41	Resp:	36197
Ion	Ratio	Lower	Upper
41	100		
69	71.2	58.6	87.8
39	56.8	46.3	69.5





#49

1,4-Dioxane

Concen: 100.89 ug/l

RT: 7.77 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

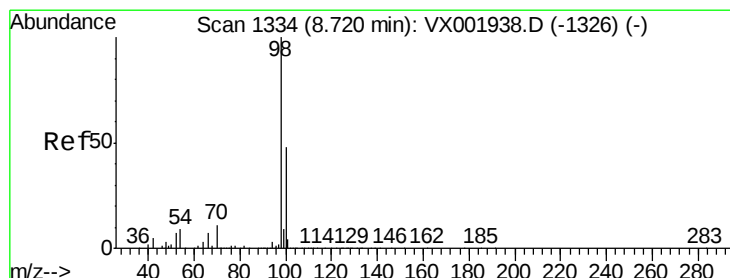
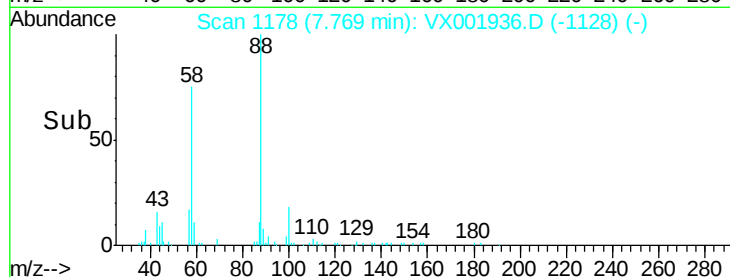
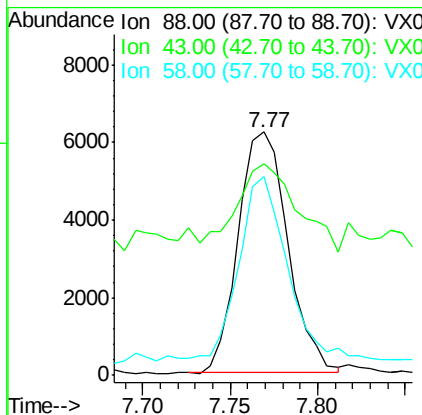
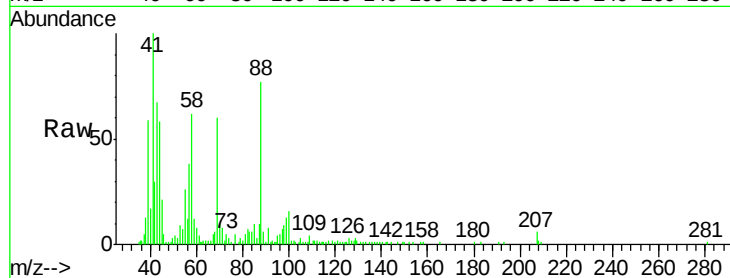
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	12305
Ion	Ratio	Lower	Upper
88	100		
43	44.3	29.8	44.8
58	74.3	58.7	88.1

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:50 PM



#50

Toluene-d8

Concen: 5.17 ug/l

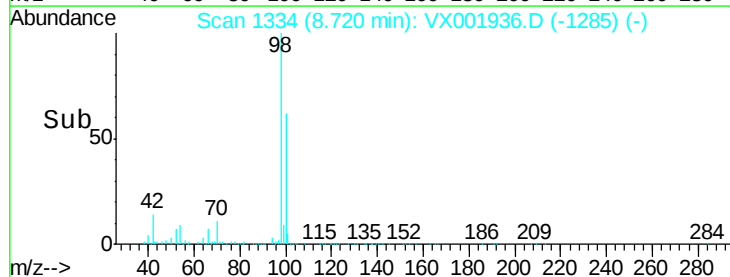
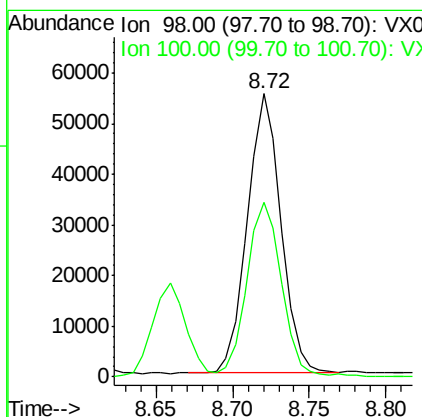
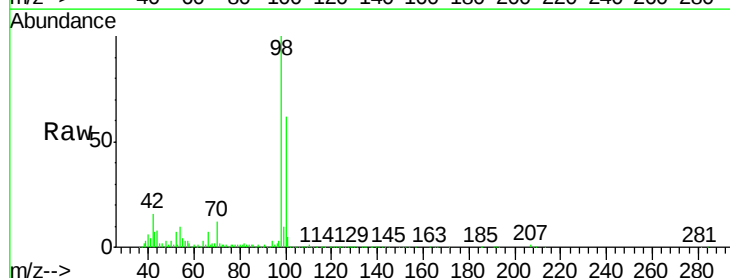
RT: 8.72 min Scan# 1334

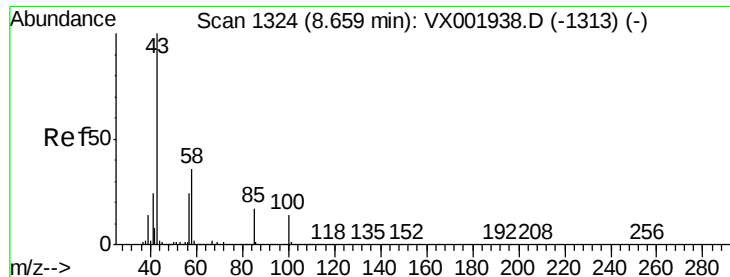
Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Tgt Ion:	98	Resp:	84199
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 26.26 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 212677

Ion Ratio Lower Upper

43 100

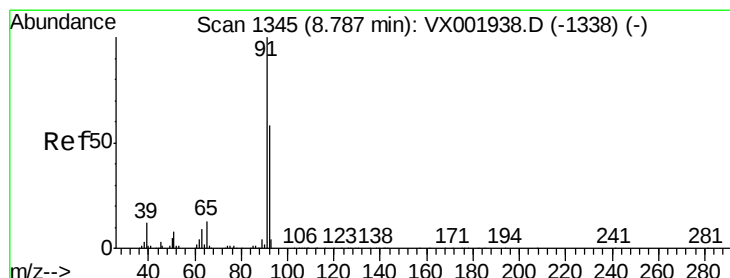
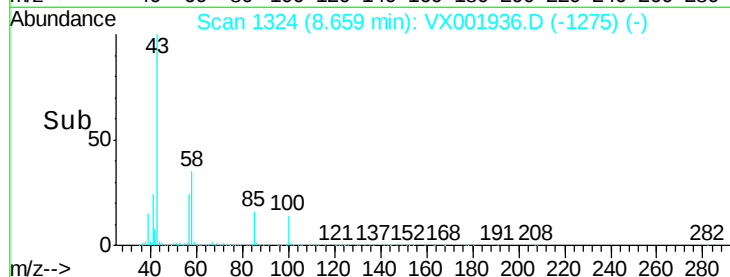
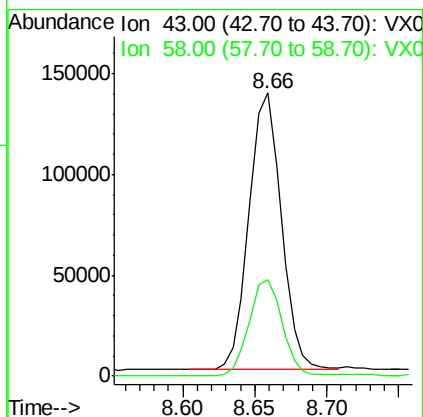
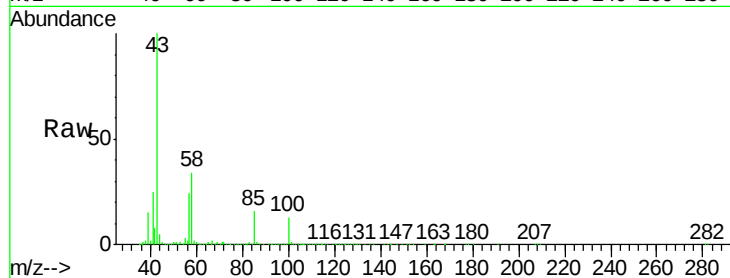
58 35.3 28.5 42.7

Manual Integrations

APPROVED

MMDadoda

5/25/2018 2:25:50 PM



#52

Toluene

Concen: 5.09 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX001936.D

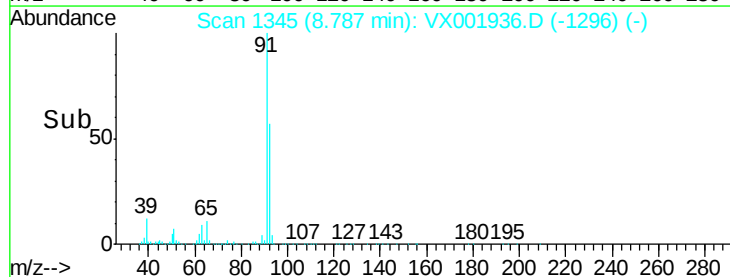
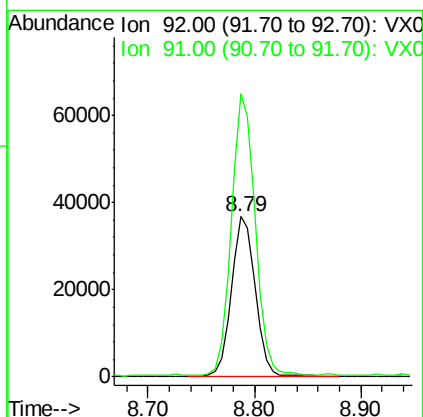
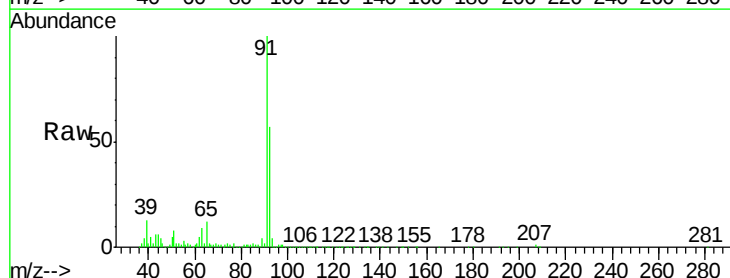
Acq: 24 May 2018 10:53

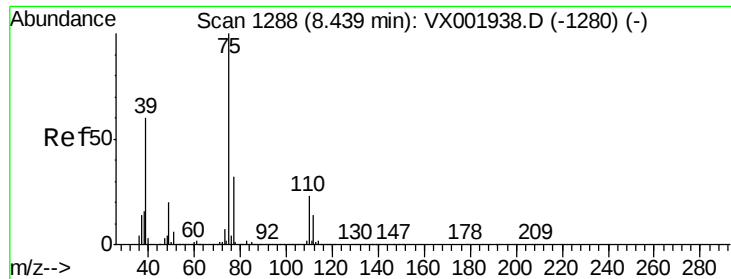
Tgt Ion: 92 Resp: 57729

Ion Ratio Lower Upper

92 100

91 175.8 139.4 209.2





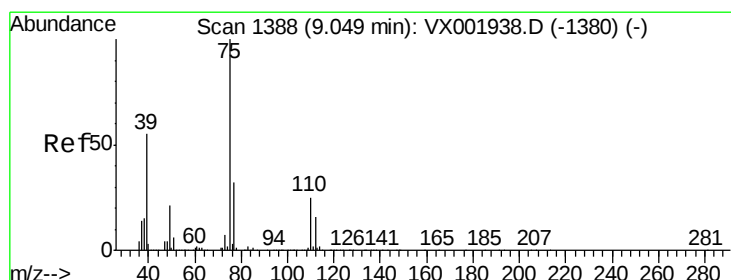
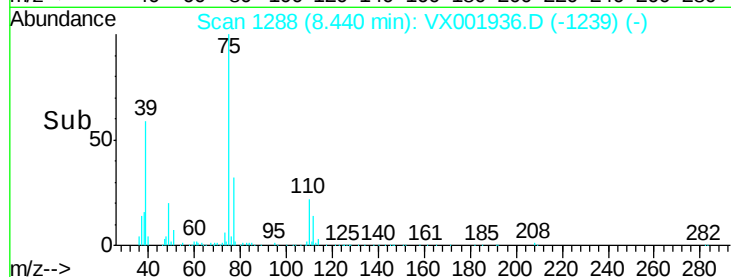
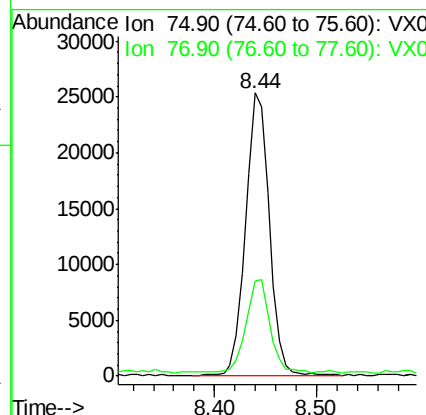
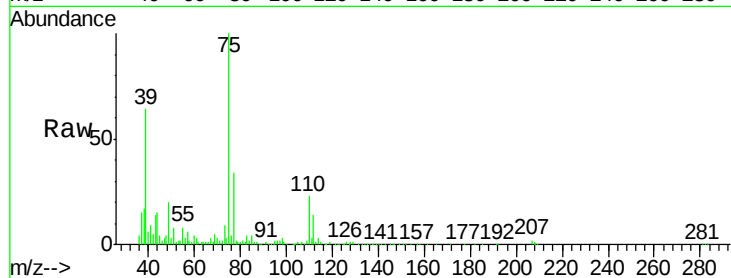
#53
t-1,3-Dichloropropene
Concen: 5.14 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.5	38.3

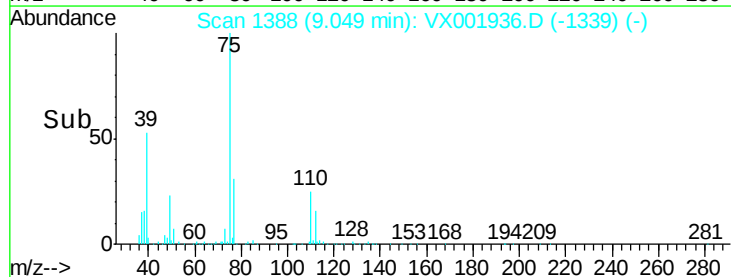
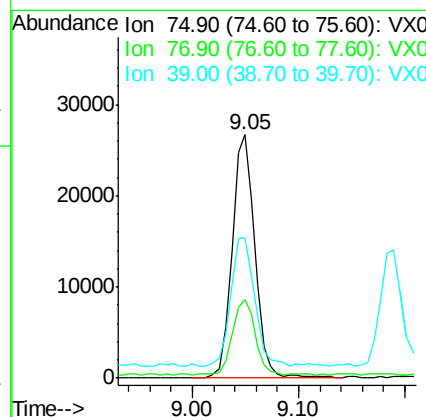
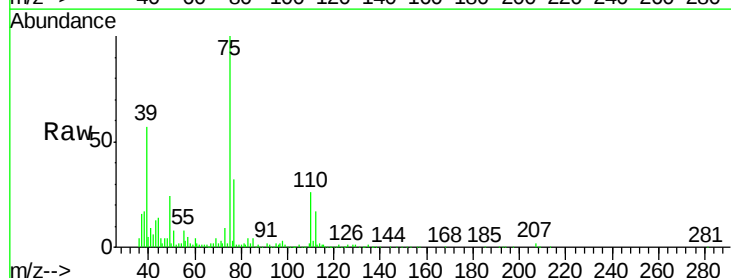
Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:50 PM



#54
cis-1,3-Dichloropropene
Concen: 5.17 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.0
39	51.7	44.1	66.1





#55

1,1,2-Trichloroethane

Concen: 5.16 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

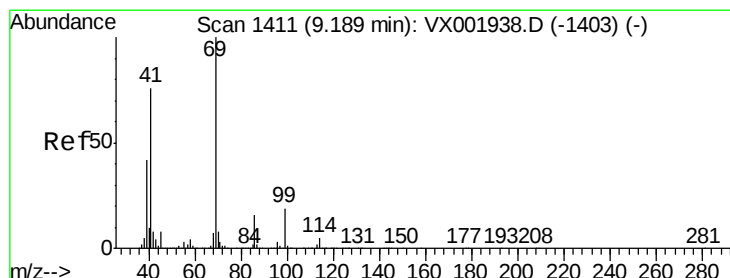
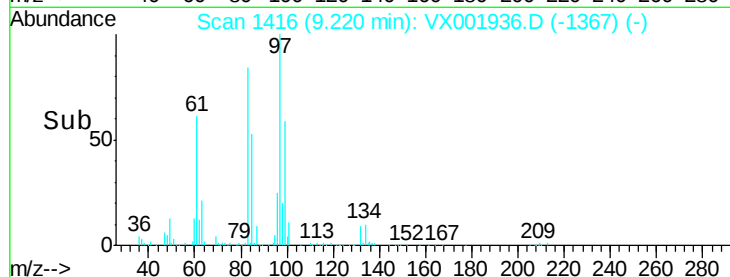
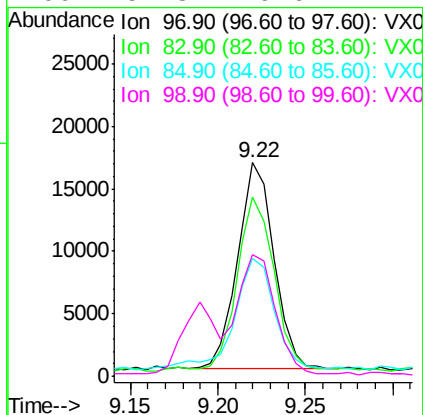
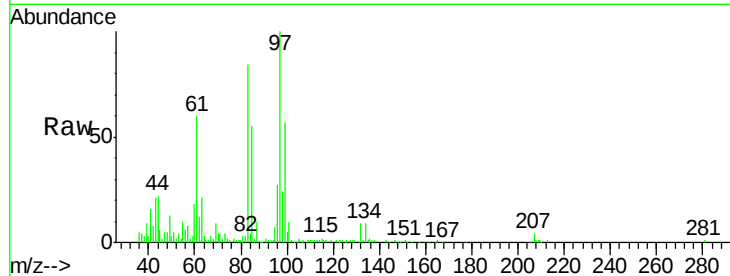
ClientSampled :

VSTDIC005

Tot Ion:	97	Resp:	23966
Ion	Ratio	Lower	Upper
97	100		
83	83.0	69.1	103.7
85	52.6	45.2	67.8
99	57.8	49.6	74.4

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:50 PM



#56

Ethyl methacrylate

Concen: 5.22 ug/l

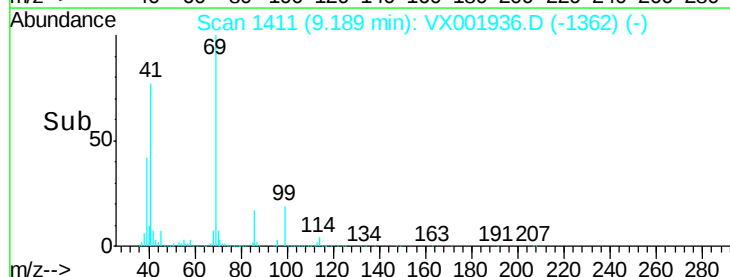
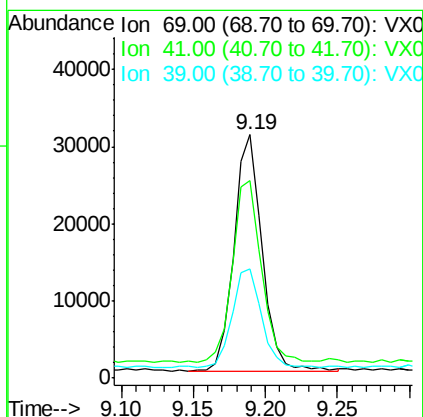
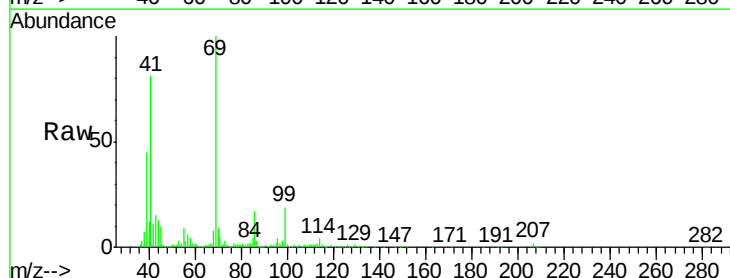
RT: 9.19 min Scan# 1411

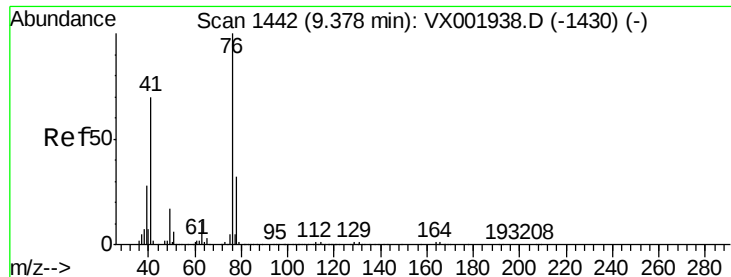
Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Tgt Ion:	69	Resp:	41755
Ion	Ratio	Lower	Upper
69	100		
41	79.1	61.0	91.6
39	43.7	34.4	51.6





#57

1,3-Dichloropropane

Concen: 5.15 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 40111

Ion Ratio Lower Upper

76 100

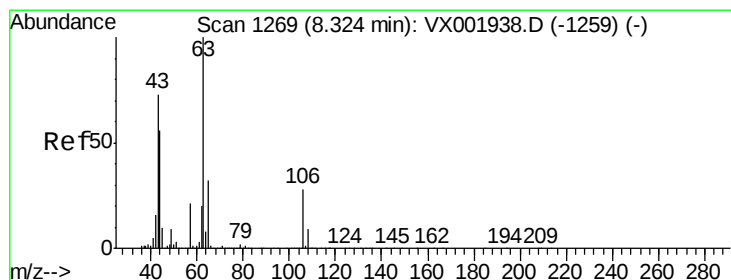
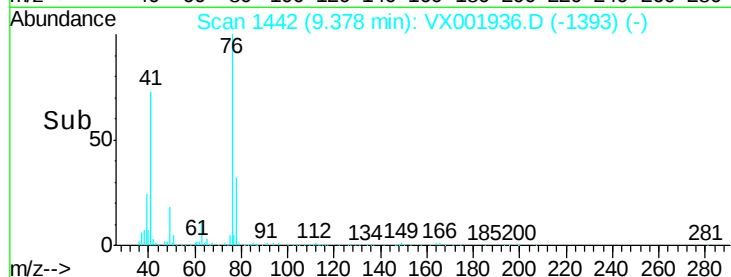
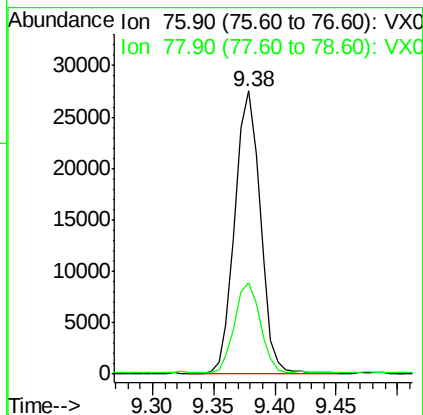
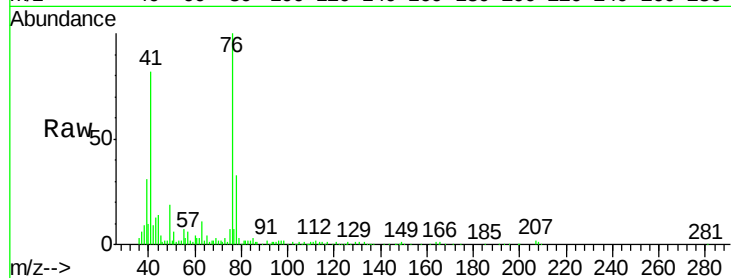
78 31.8 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

5/25/2018 2:25:50 PM



#58

2-Chloroethyl Vinyl ether

Concen: 26.09 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX001936.D

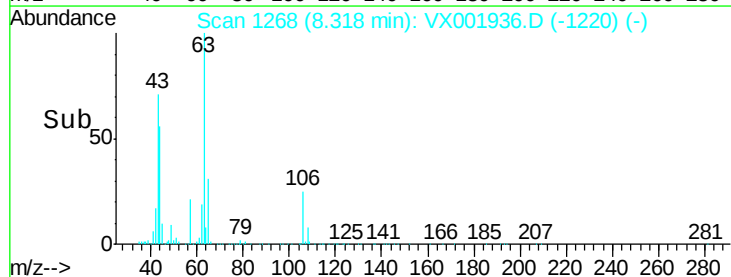
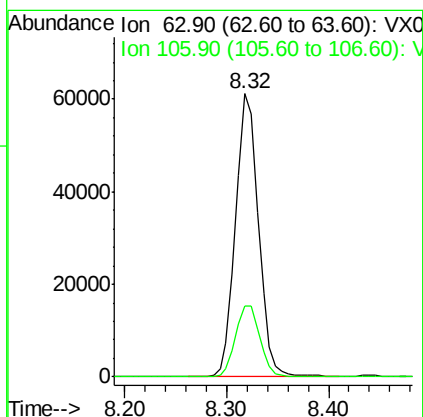
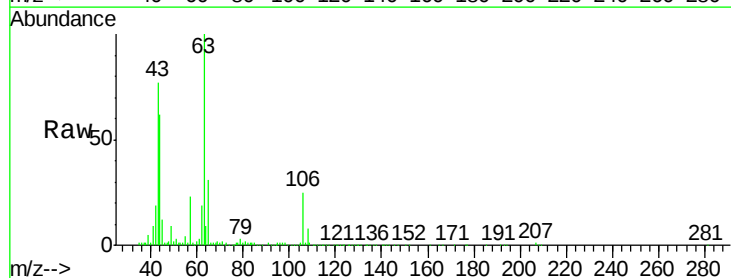
Acq: 24 May 2018 10:53

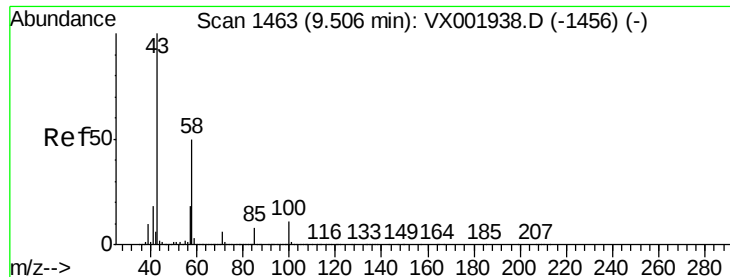
Tgt Ion: 63 Resp: 94175

Ion Ratio Lower Upper

63 100

106 27.3 21.7 32.5





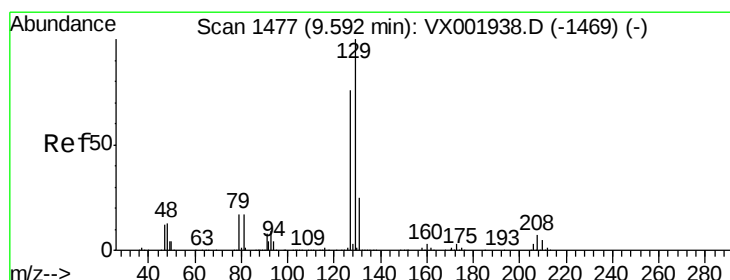
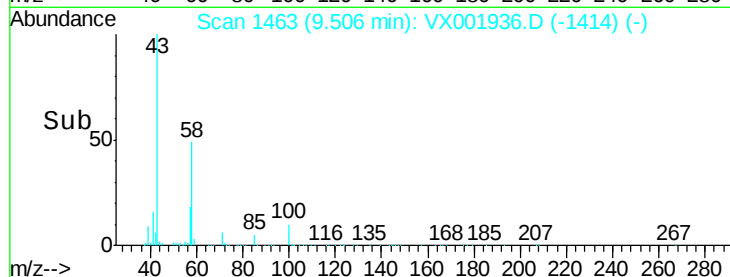
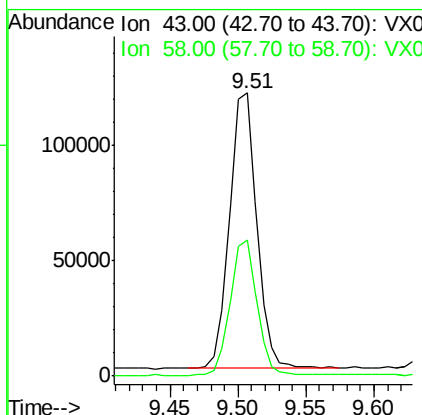
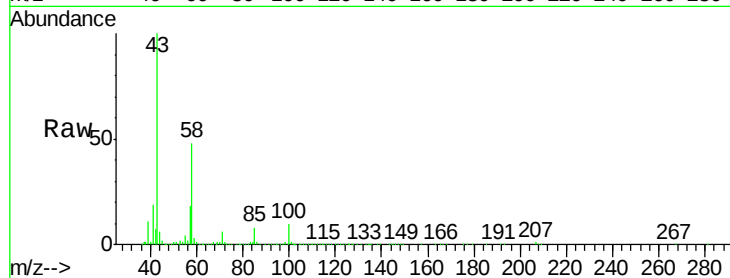
#59
2-Hexanone
Concen: 26.50 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 166055
Ion Ratio Lower Upper
43 100
58 48.9 24.9 74.6

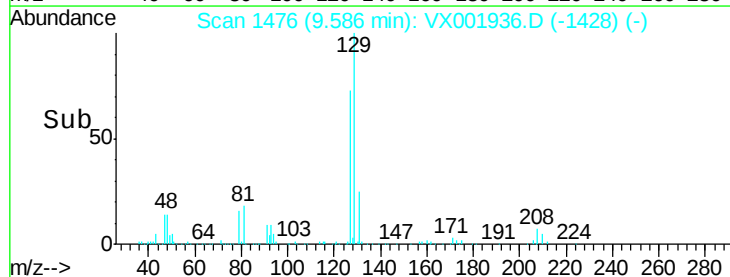
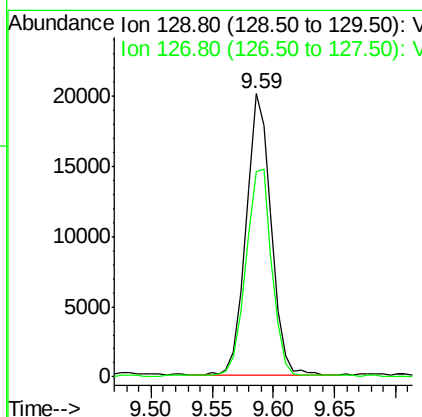
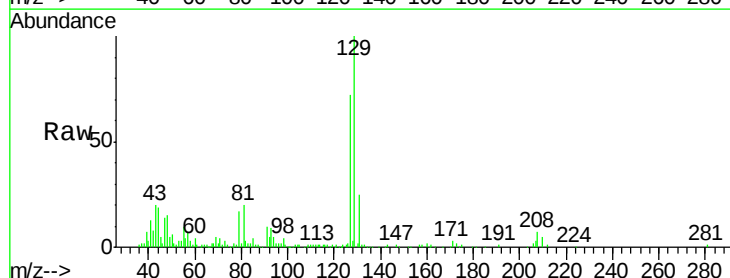
Manual Integrations
APPROVED

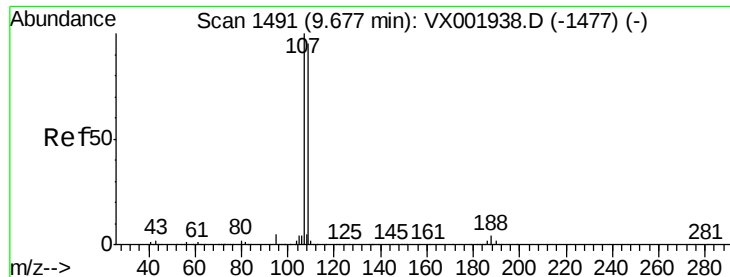
MMDadoda
5/25/2018 2:25:50 PM



#60
Dibromochloromethane
Concen: 5.03 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Tgt Ion: 129 Resp: 28513
Ion Ratio Lower Upper
129 100
127 75.9 38.3 114.9





#61

1,2-Dibromoethane

Concen: 5.09 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 25363

Ion Ratio Lower Upper

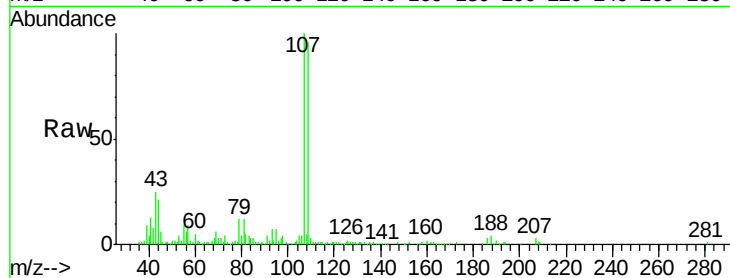
107 100

109 94.7 75.3 112.9

Manual Integrations
APPROVED

MMDadoda

5/25/2018 2:25:50 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

20000

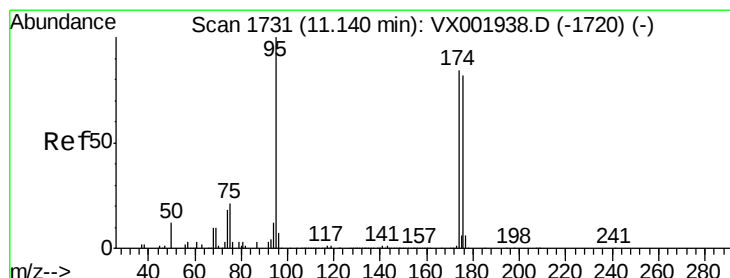
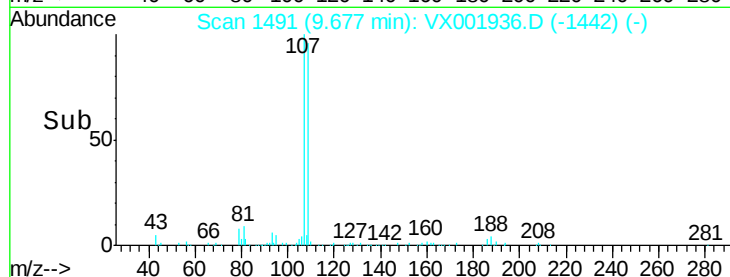
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 4.92 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

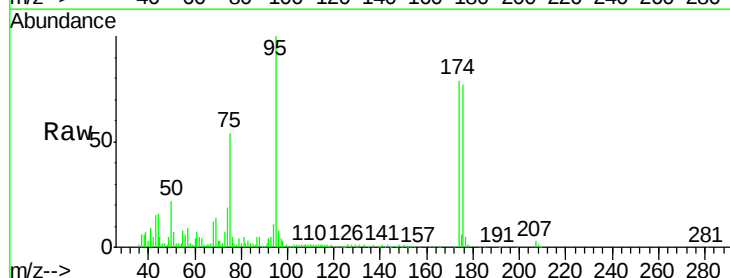
Tgt Ion: 95 Resp: 31373

Ion Ratio Lower Upper

95 100

174 86.9 0.0 178.8

176 85.3 0.0 175.6



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

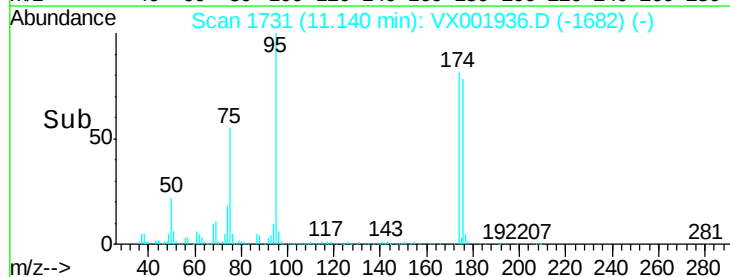
30000

20000

10000

0

Time-->





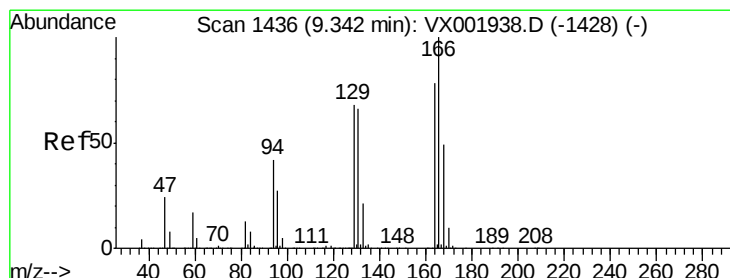
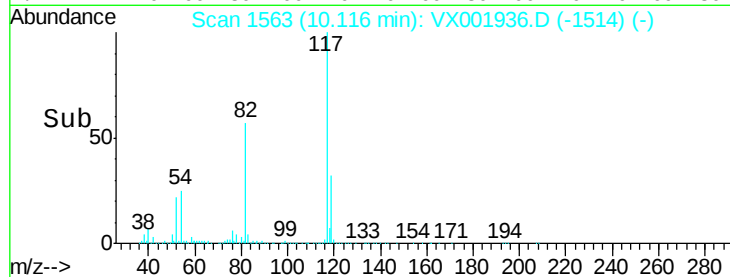
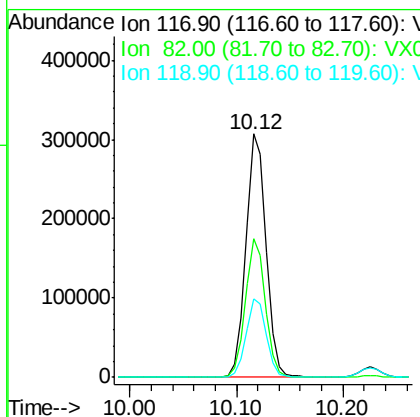
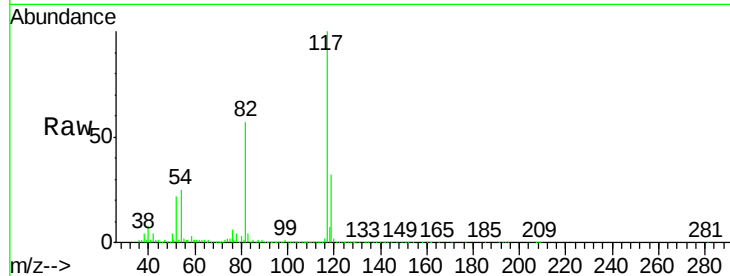
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	408219		
82	56.9		44.8	67.2
119	32.3		25.5	38.3

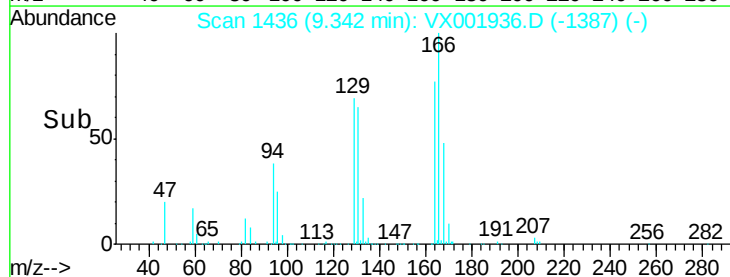
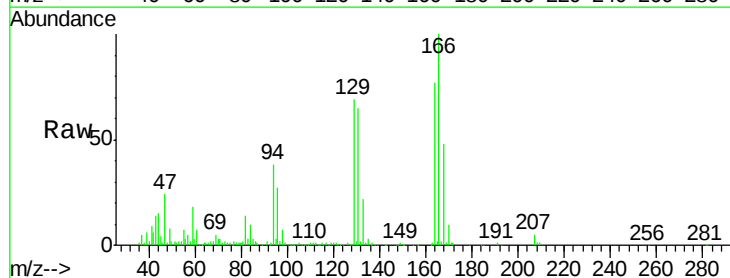
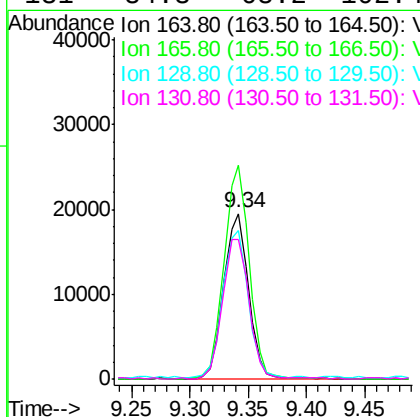
Manual Integrations
APPROVED

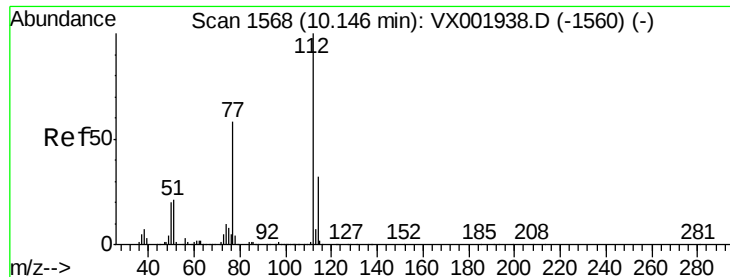
MMDadoda
5/25/2018 2:25:50 PM



#64
Tetrachloroethene
Concen: 5.17 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	29052		
166	128.8		102.7	154.1
129	88.6		70.3	105.5
131	84.3		68.2	102.4





#65

Chlorobenzene

Concen: 5.10 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:112 Resp: 63407

Ion Ratio Lower Upper

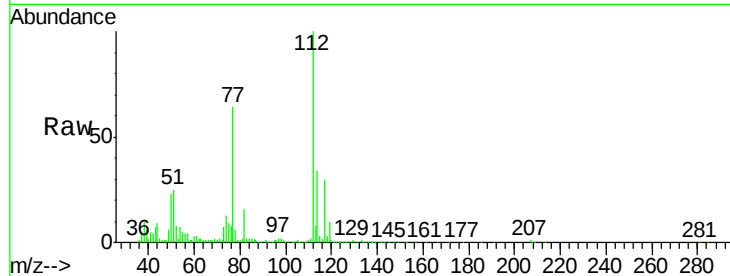
112 100

114 34.0 25.9 38.9

Manual Integrations
APPROVED

MMDadoda

5/25/2018 2:25:50 PM

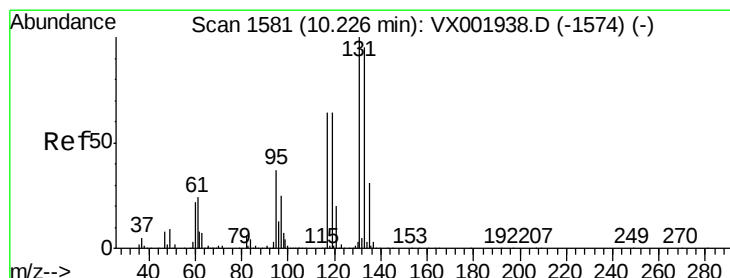
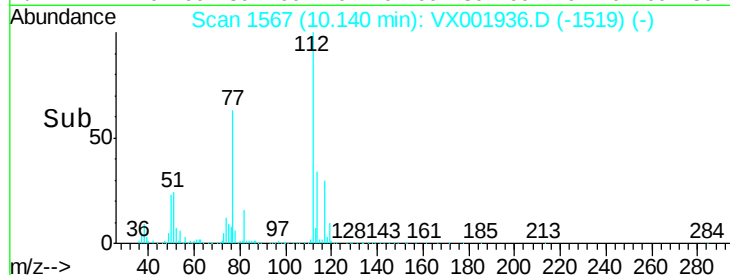


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 5.29 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

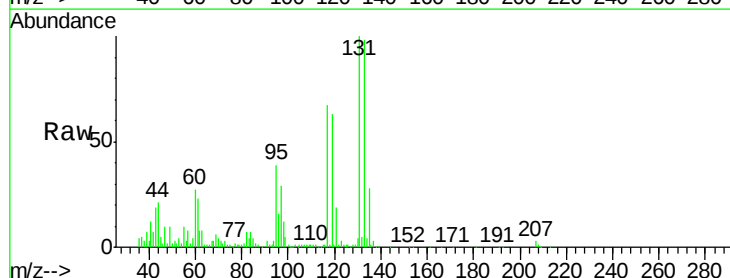
Tgt Ion:131 Resp: 26368

Ion Ratio Lower Upper

131 100

133 94.4 48.0 144.0

119 63.4 31.9 95.5



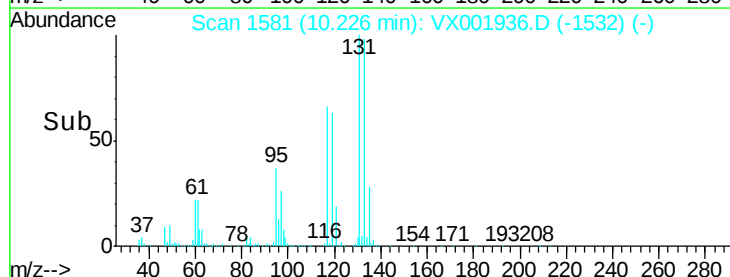
Abundance Ion 130.80 (130.50 to 131.50): V

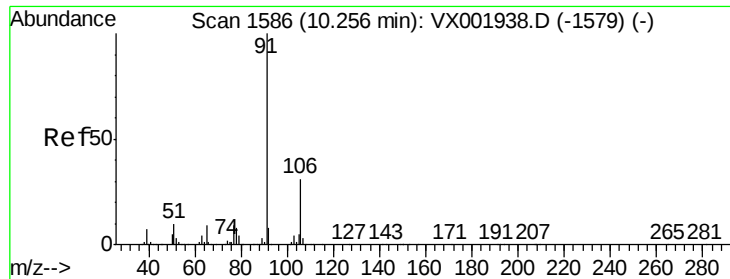
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

Time-->





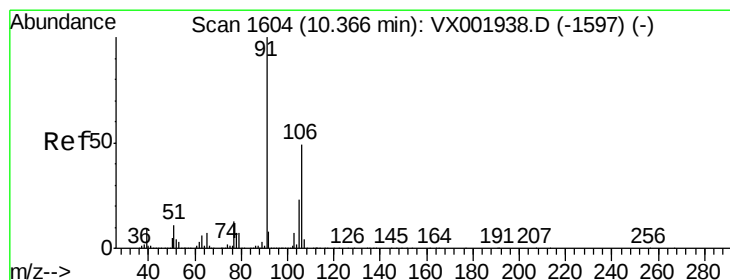
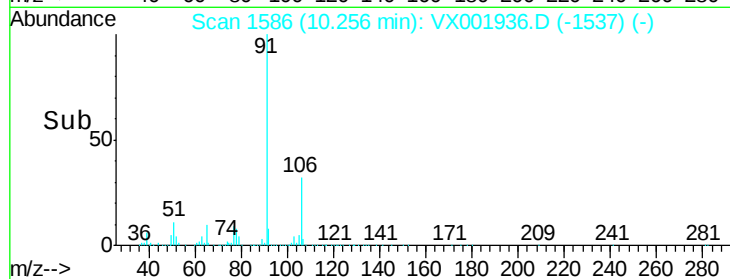
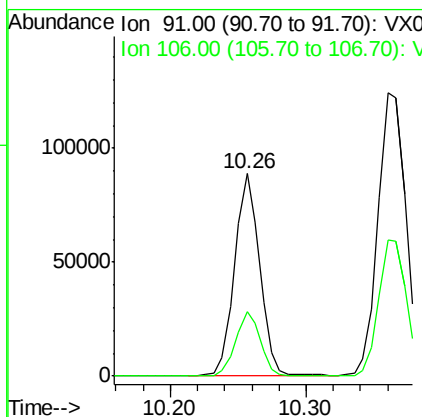
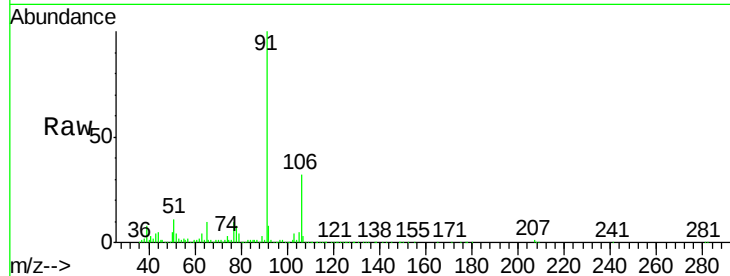
#67
Ethyl Benzene
Concen: 5.17 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 112831
Ion Ratio Lower Upper
91 100
106 31.9 25.0 37.6

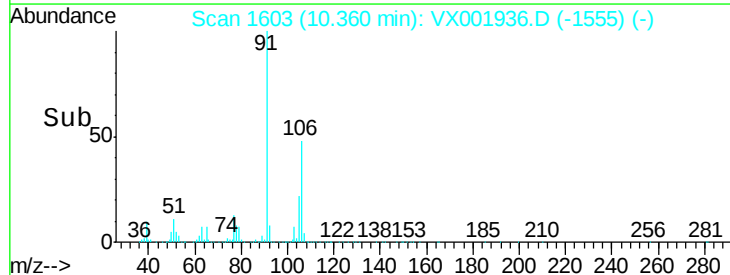
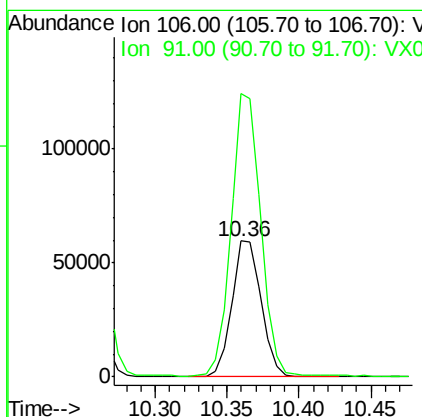
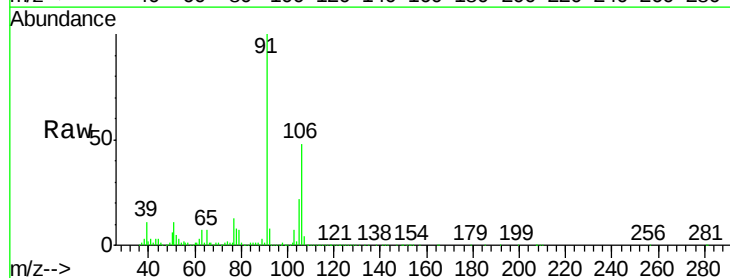
Manual Integrations
APPROVED

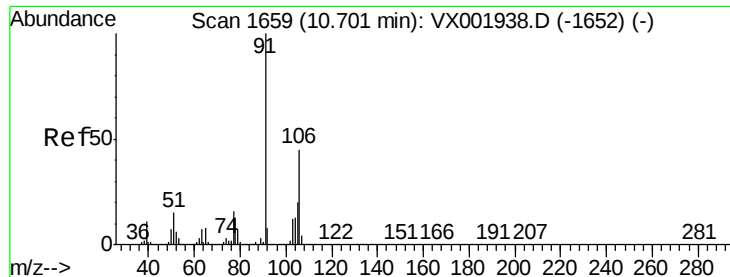
MMDadoda
5/25/2018 2:25:50 PM



#68
m/p-Xylenes
Concen: 10.25 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Tgt Ion: 106 Resp: 85138
Ion Ratio Lower Upper
106 100
91 208.9 165.0 247.6





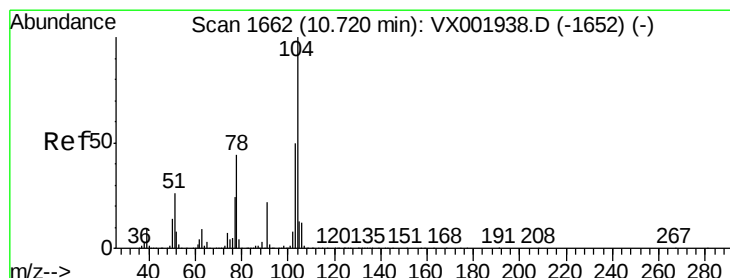
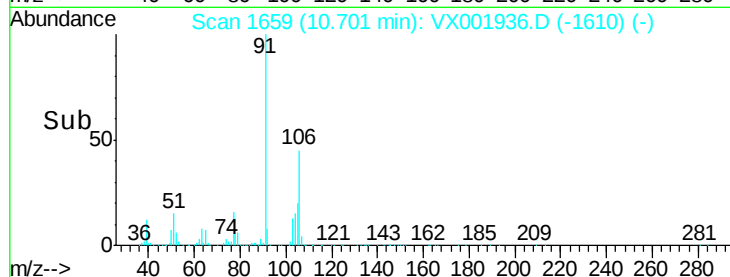
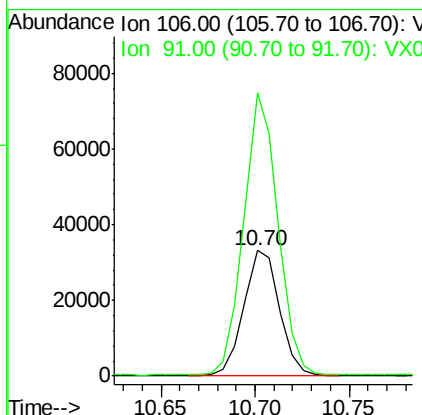
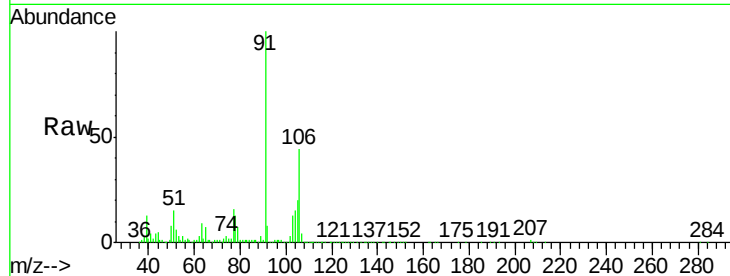
#69
o-Xylene
Concen: 5.29 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.6	108.7	325.9	

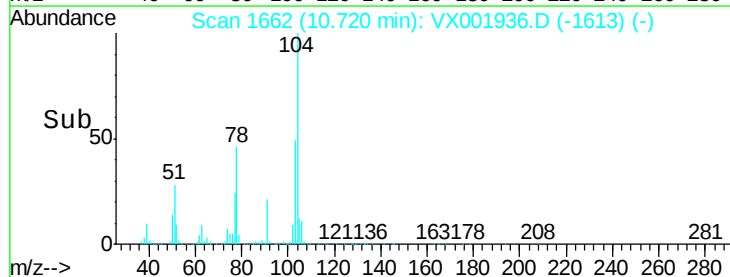
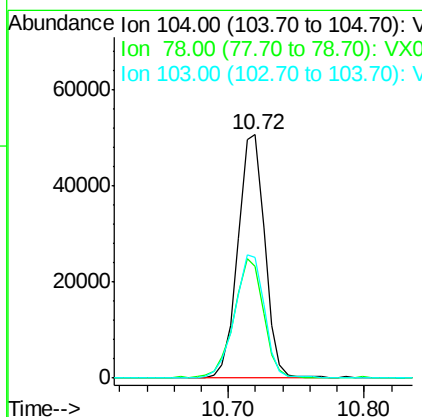
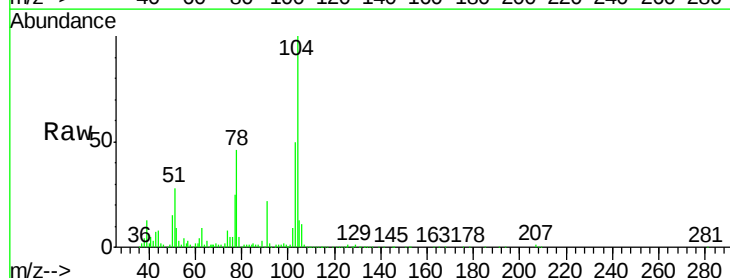
Manual Integrations
APPROVED

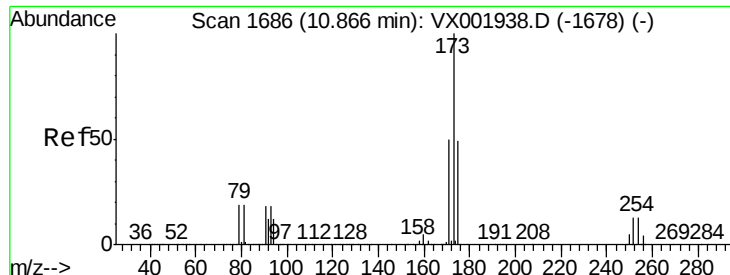
MMDadoda
5/25/2018 2:25:50 PM



#70
Styrene
Concen: 5.06 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	53.0	41.8	62.6	
103	55.1	44.6	67.0	





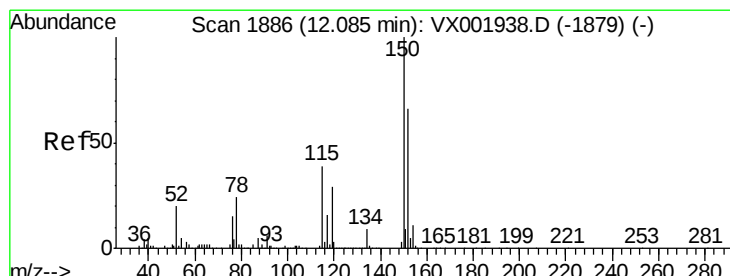
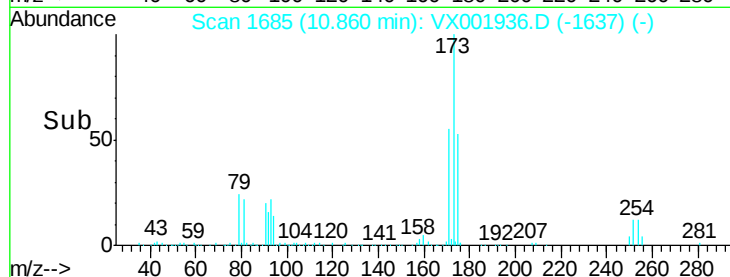
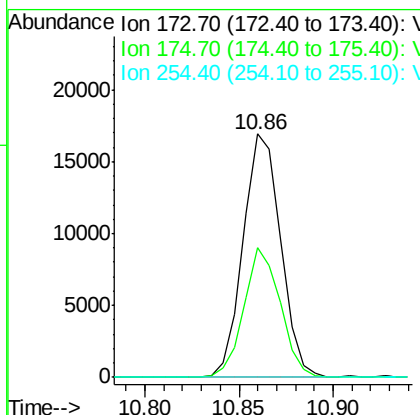
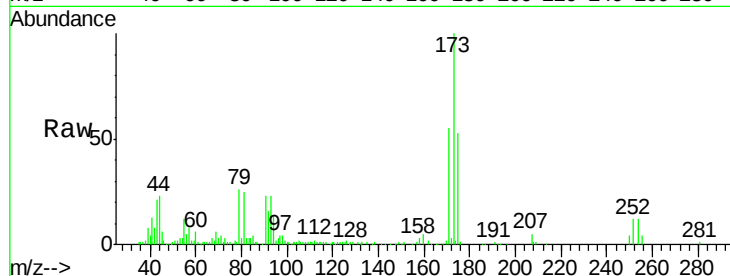
#71
Bromoform
Concen: 4.83 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.6	24.3	72.9
254	0.1	0.1	0.1

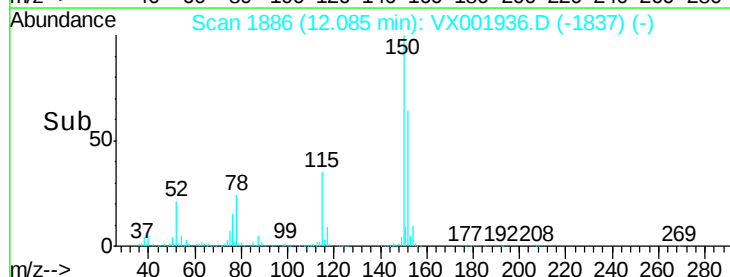
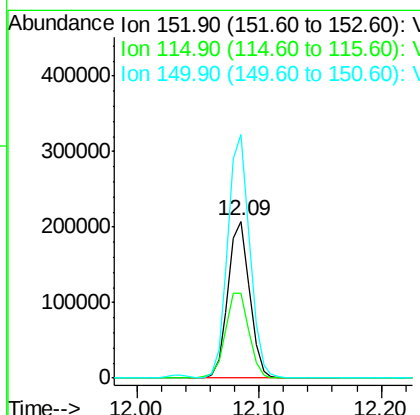
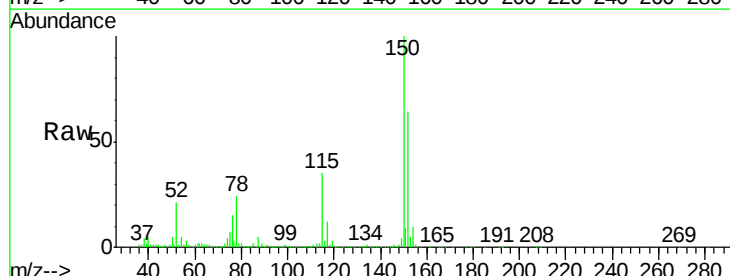
Manual Integrations
APPROVED

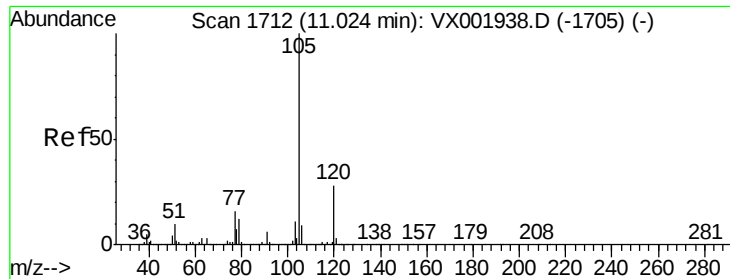
MMDadoda
5/25/2018 2:25:50 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	42.3	126.8
150	158.2	0.0	351.0





#73

Isopropylbenzene

Concen: 5.61 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 113718

Ion Ratio Lower Upper

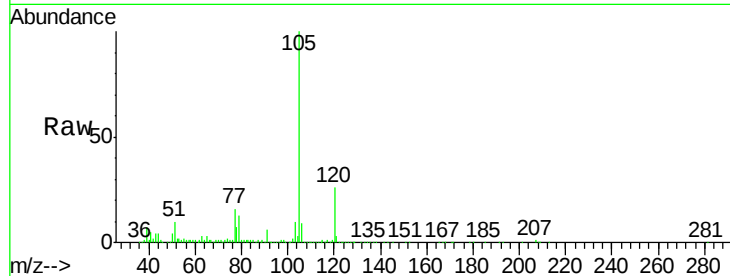
105 100

120 26.9 13.6 40.7

Manual Integrations
APPROVED

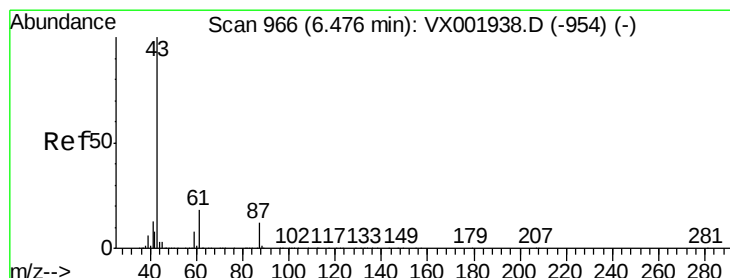
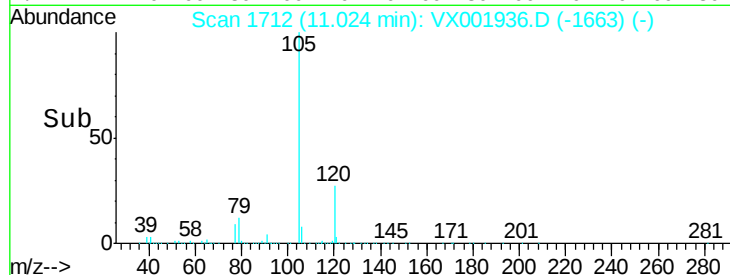
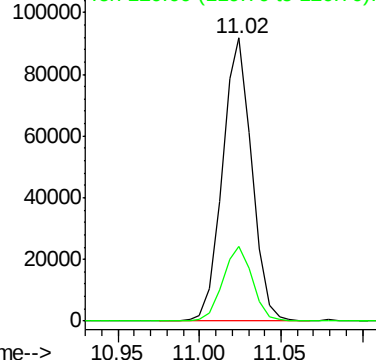
MMDadoda

5/25/2018 2:25:50 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.85 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Tgt Ion: 43 Resp: 69794

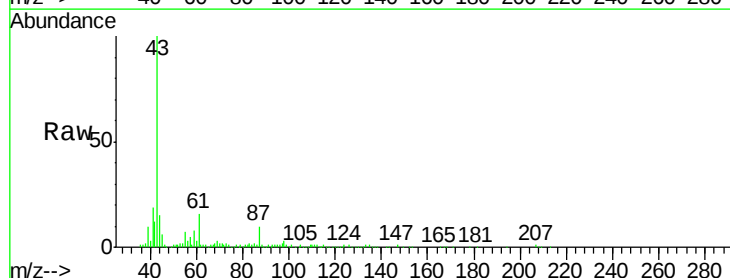
Ion Ratio Lower Upper

43 100

70 0.2 0.1 0.1#

55 0.0 0.1 0.1#

61 17.6 14.5 21.7

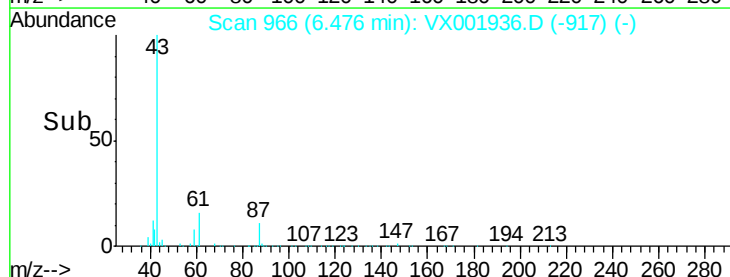
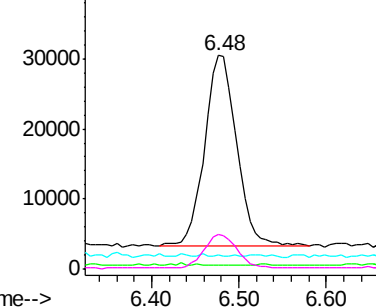


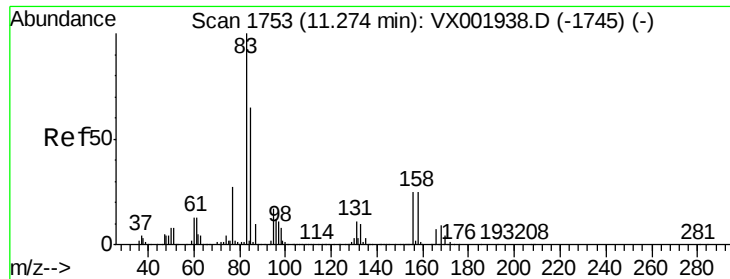
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 6.01 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

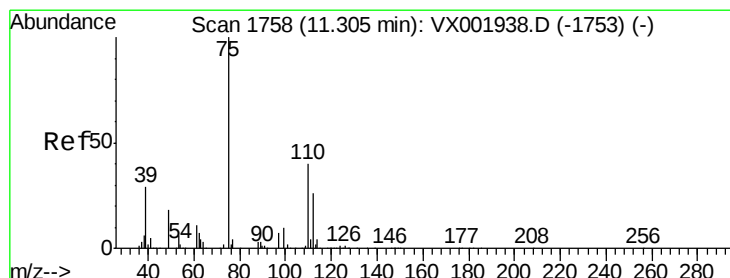
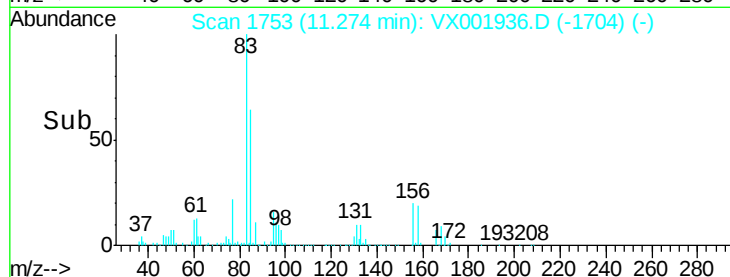
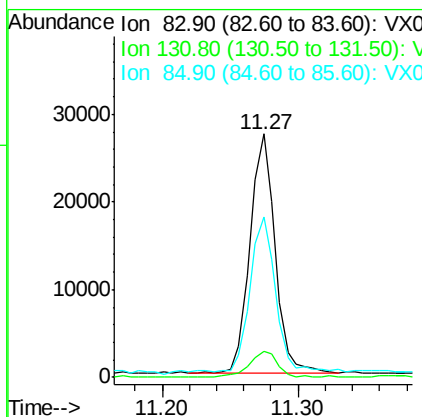
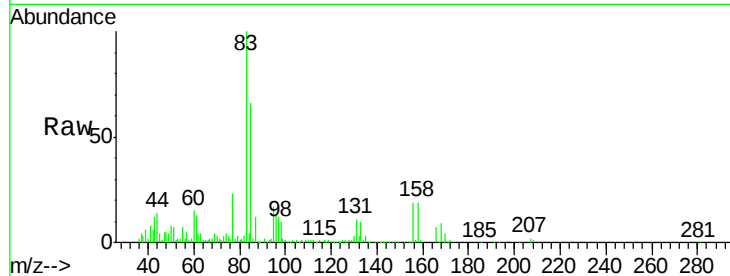
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	35603
Ion Ratio	Lower	Upper	
83	100		
131	12.7	5.7	17.0
85	65.7	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:50 PM



#76

1,2,3-Trichloropropane

Concen: 5.84 ug/l m

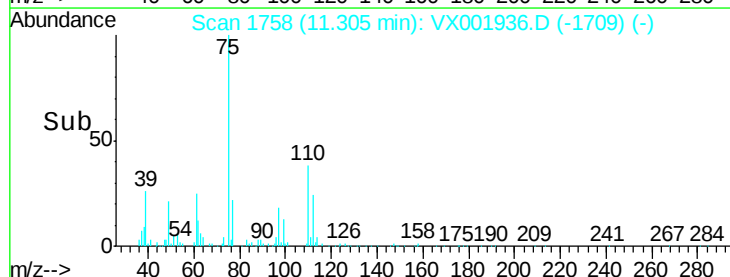
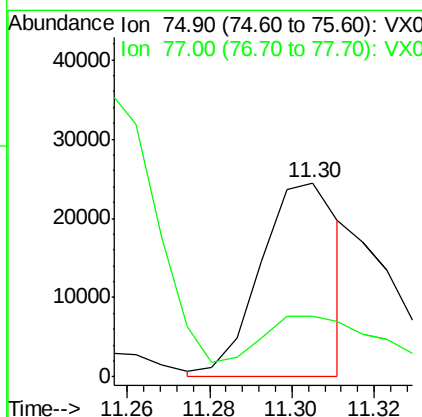
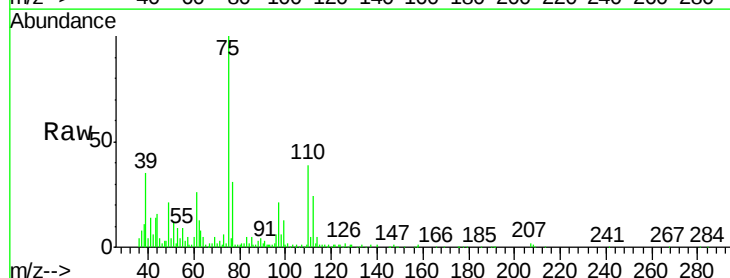
RT: 11.30 min Scan# 1758

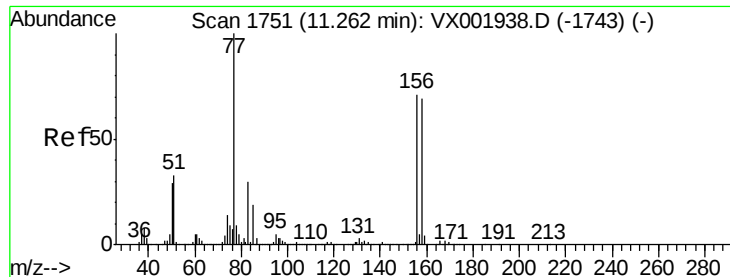
Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Tgt Ion:	75	Resp:	32389
Ion Ratio	Lower	Upper	
75	100		
77	48.1	22.8	68.3





#77

Bromobenzene

Concen: 5.42 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 29200

Ion Ratio Lower Upper

156 100

77 153.6 75.2 225.6

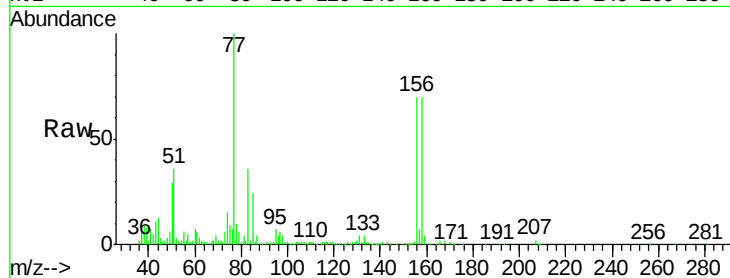
158 99.4 48.6 145.8

Manual Integrations

APPROVED

MMDadoda

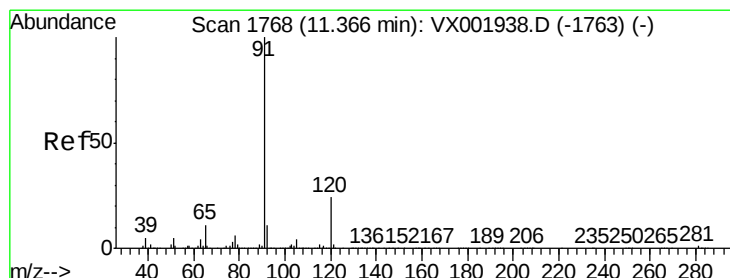
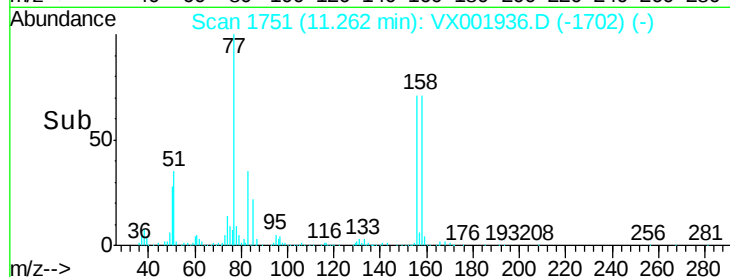
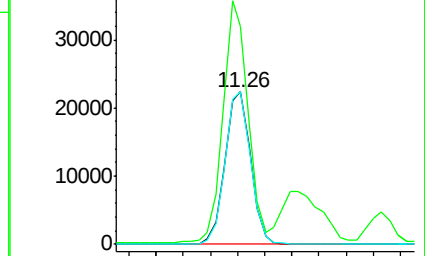
5/25/2018 2:25:50 PM



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: 5.42 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001936.D

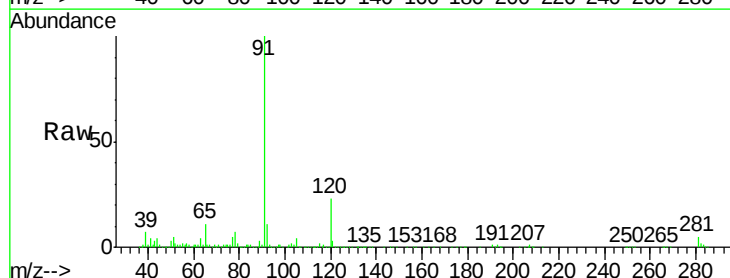
Acq: 24 May 2018 10:53

Tgt Ion: 91 Resp: 124698

Ion Ratio Lower Upper

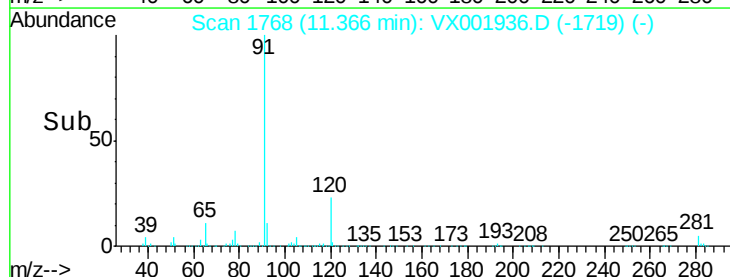
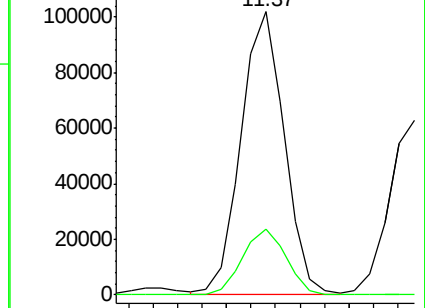
91 100

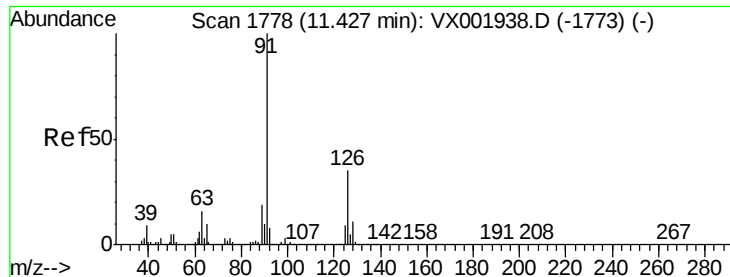
120 23.9 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.69 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 78409

Ion Ratio Lower Upper

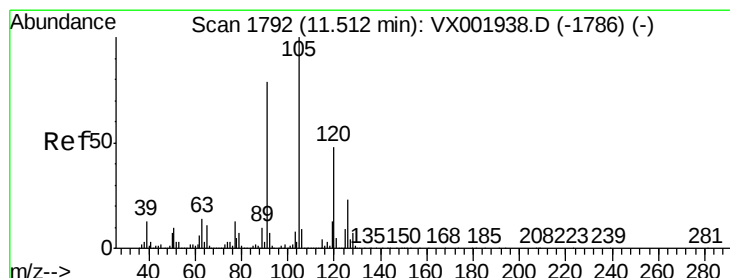
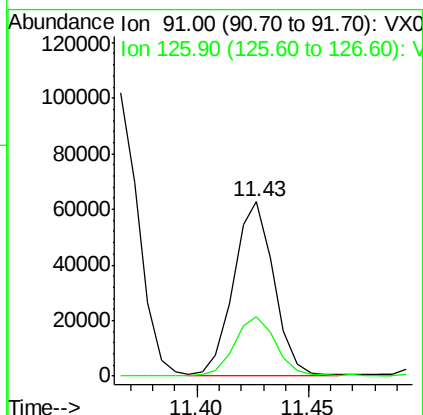
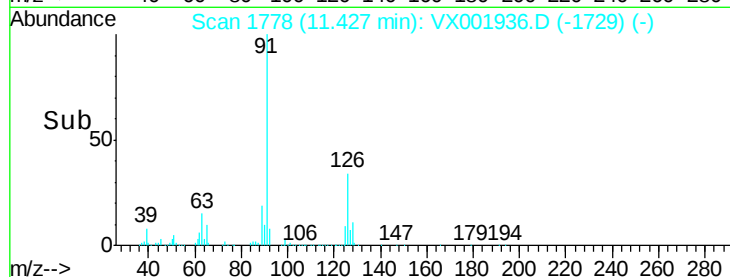
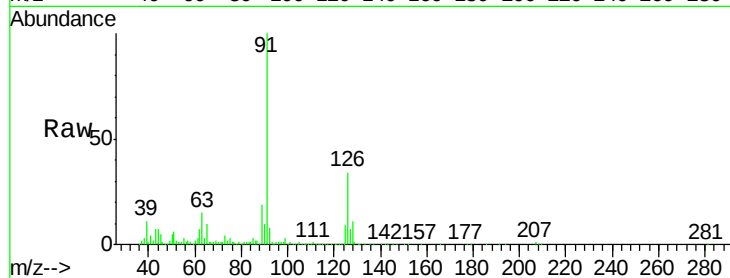
91 100

126 34.1 17.4 52.2

Manual Integrations
APPROVED

MMDadoda

5/25/2018 2:25:50 PM



#80

1,3,5-Trimethylbenzene

Concen: 5.56 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001936.D

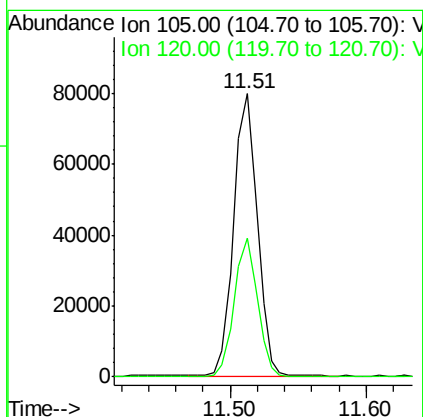
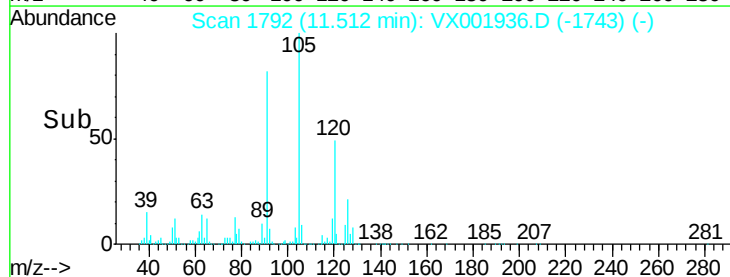
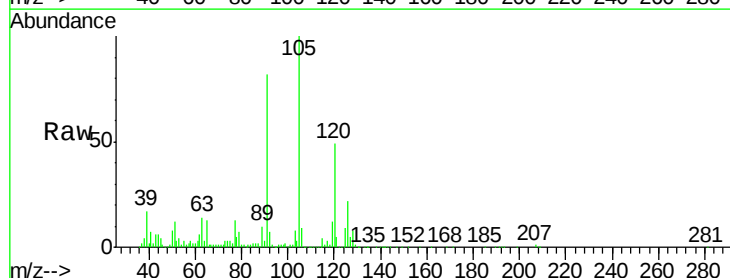
Acq: 24 May 2018 10:53

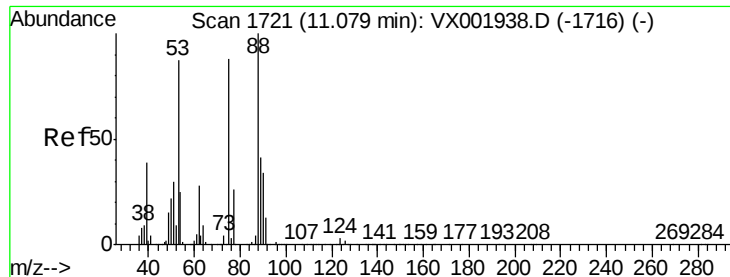
Tgt Ion: 105 Resp: 96036

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 5.83 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

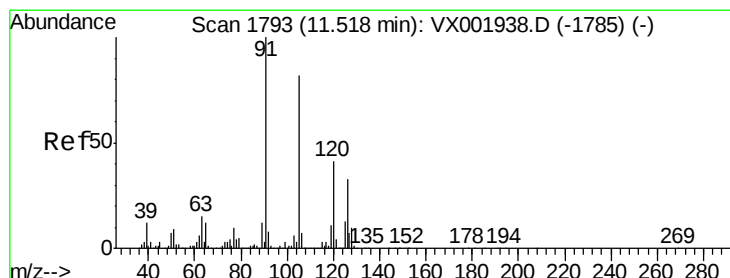
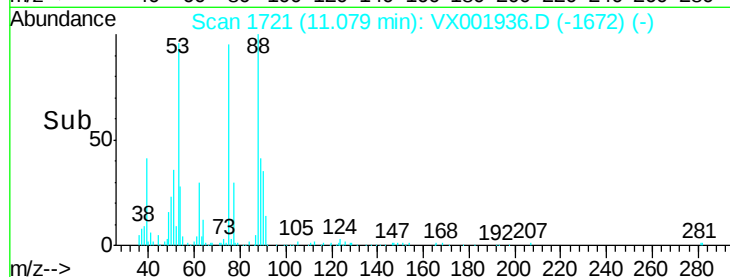
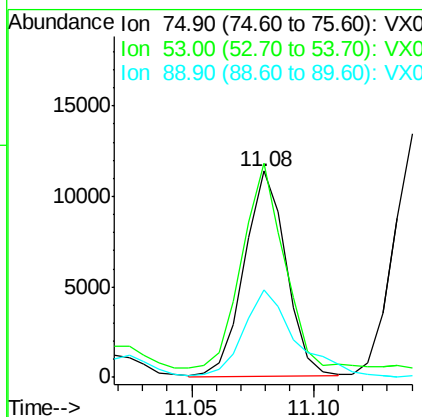
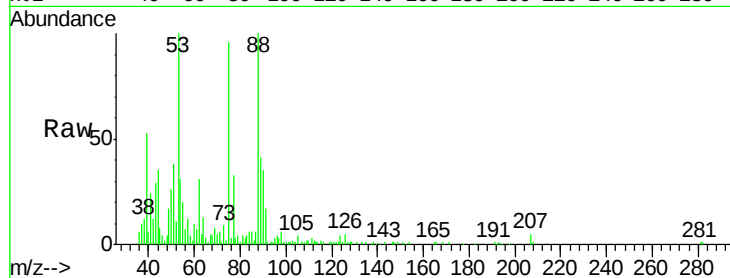
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	13597
Ion Ratio	Lower	Upper	
75	100		
53	102.4	78.0	117.0
89	53.3	39.4	59.2

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:50 PM



#82

4-Chlorotoluene

Concen: 5.44 ug/l

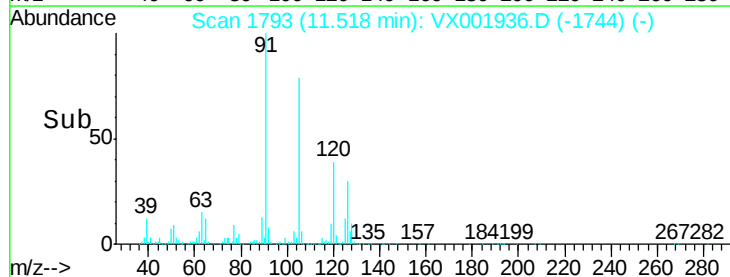
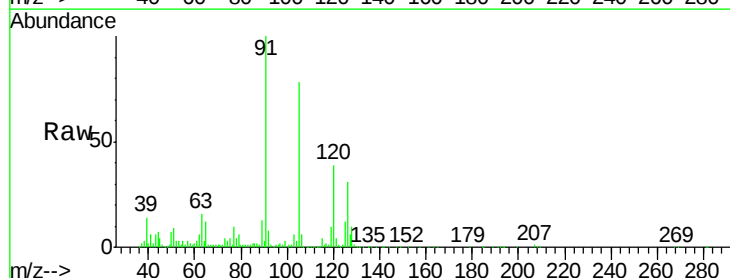
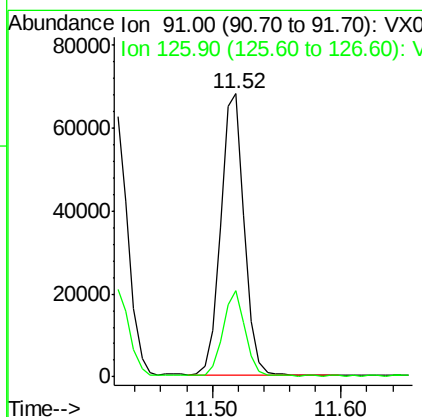
RT: 11.52 min Scan# 1793

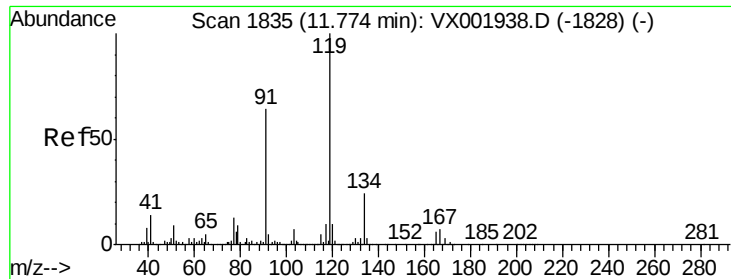
Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Tgt Ion:	91	Resp:	87485
Ion Ratio	Lower	Upper	
91	100		
126	28.4	15.3	45.8





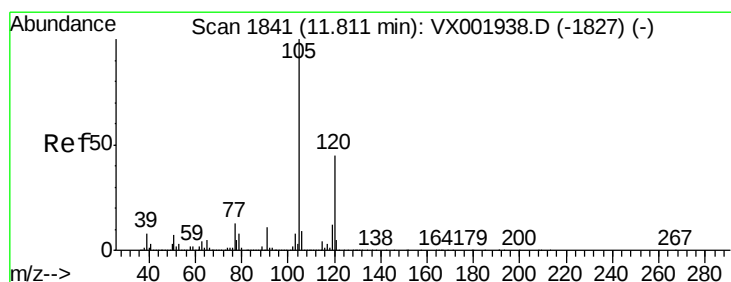
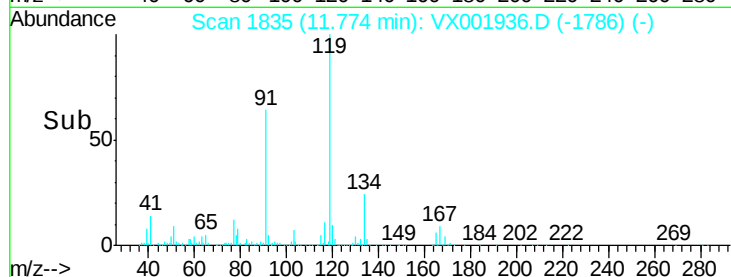
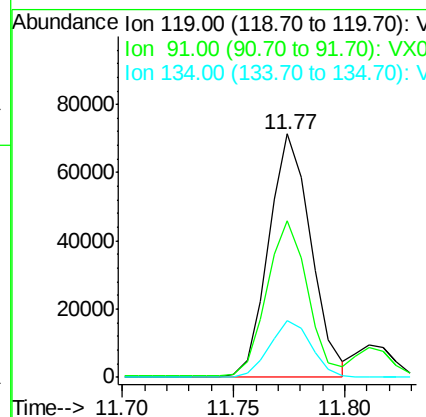
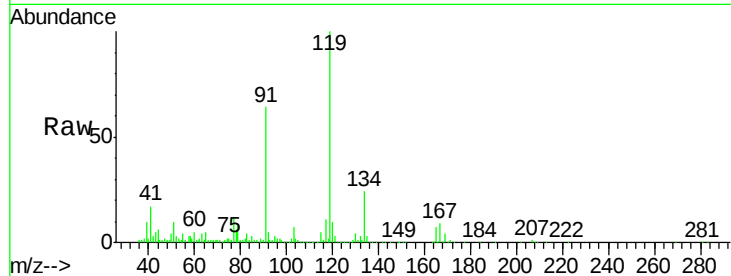
#83
tert-Butylbenzene
Concen: 5.60 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.9	30.6	91.8
134	23.3	11.7	35.0

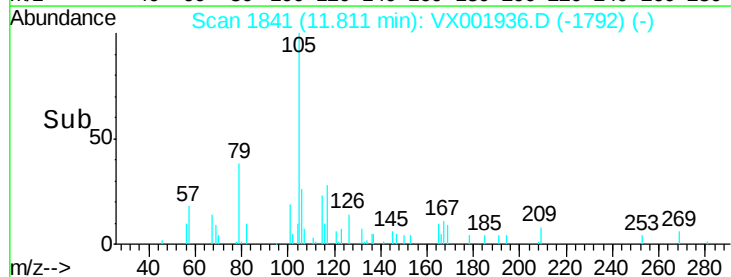
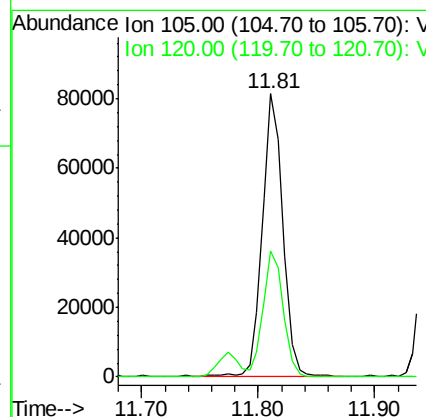
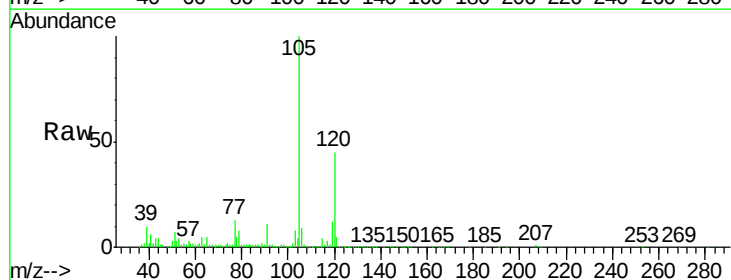
Manual Integrations
APPROVED

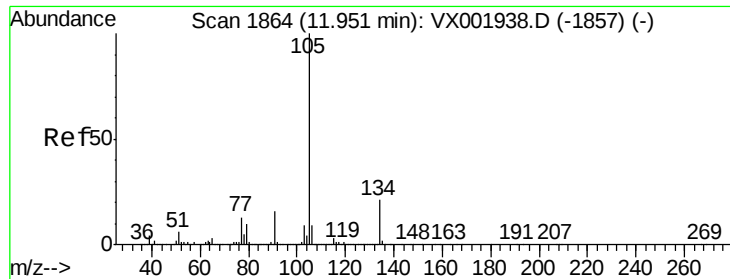
MMDadoda
5/25/2018 2:25:50 PM



#84
1,2,4-Trimethylbenzene
Concen: 5.60 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.5





#85

sec-Butylbenzene

Concen: 5.44 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 111771

Ion Ratio Lower Upper

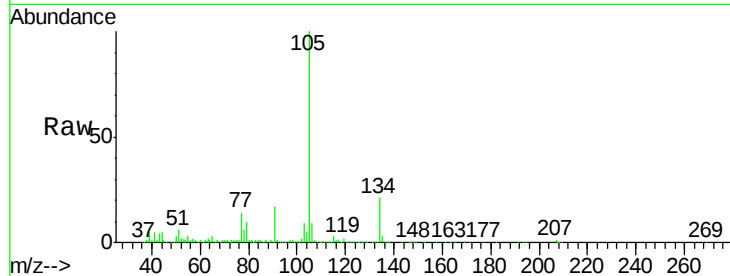
105 100

134 20.8 10.4 31.4

Manual Integrations
APPROVED

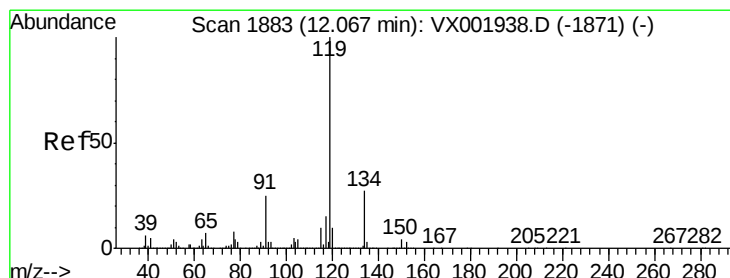
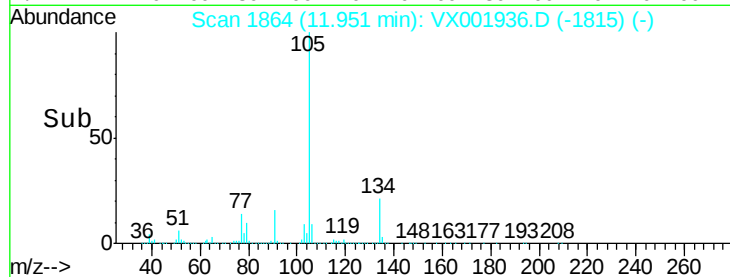
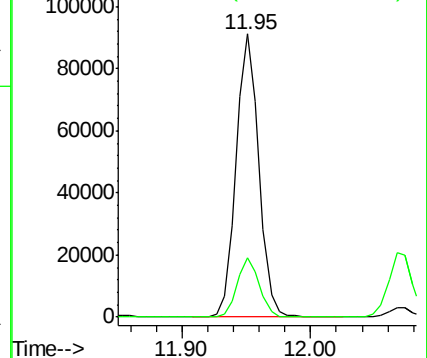
MMDadoda

5/25/2018 2:25:50 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.26 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

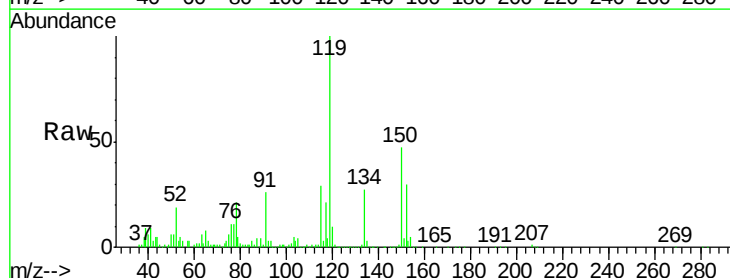
Tgt Ion:119 Resp: 96993

Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.8

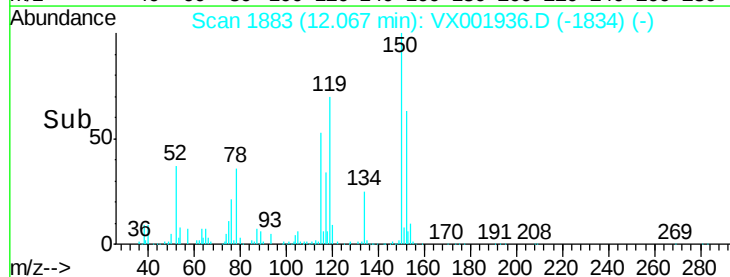
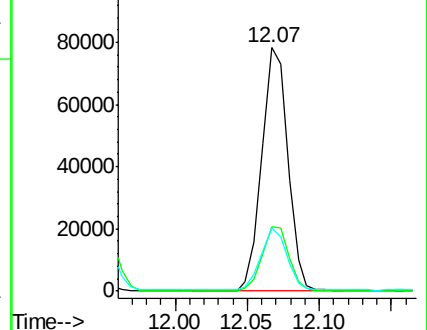
91 25.3 12.2 36.4

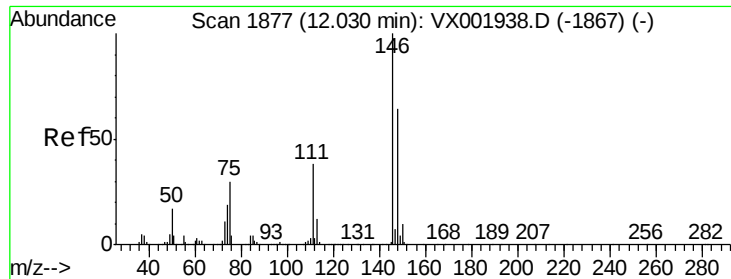


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





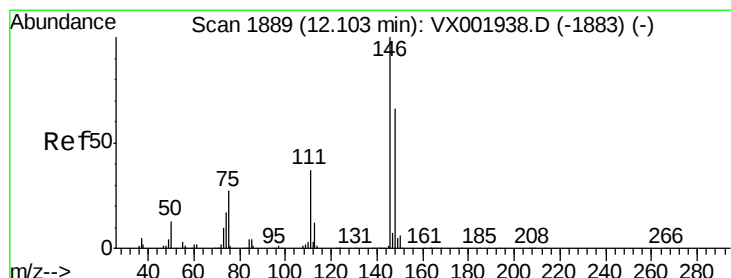
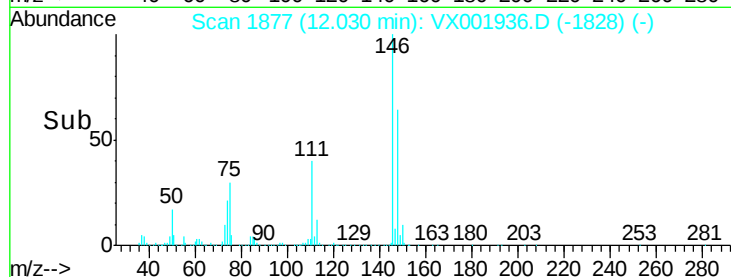
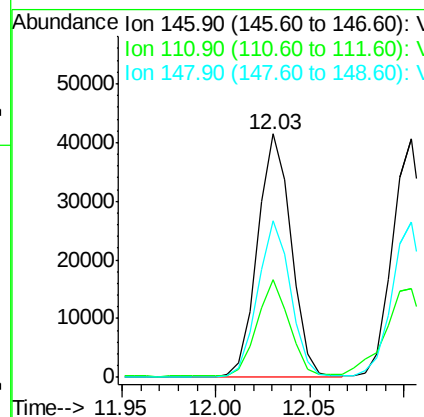
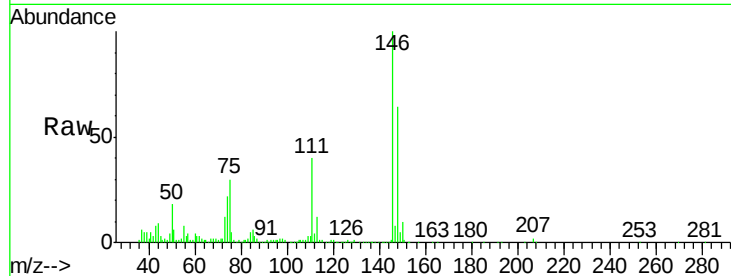
#87
 1,3-Dichlorobenzene
 Concen: 5.33 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001936.D
 Acq: 24 May 2018 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.3	57.8
148	63.1	32.1	96.3

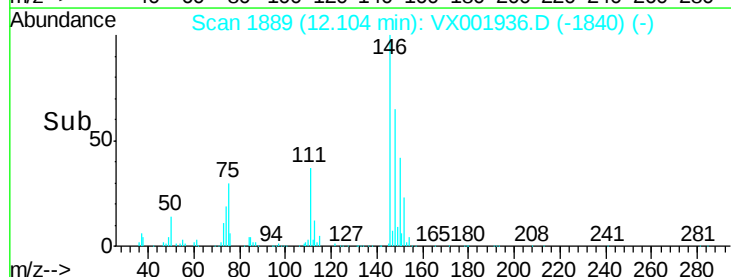
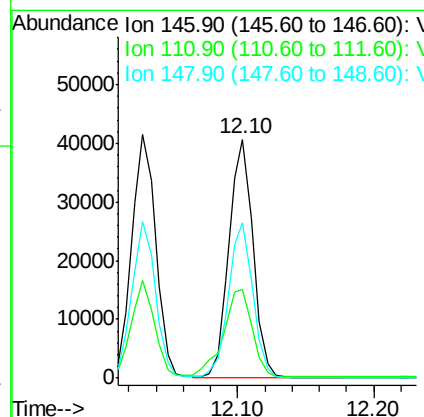
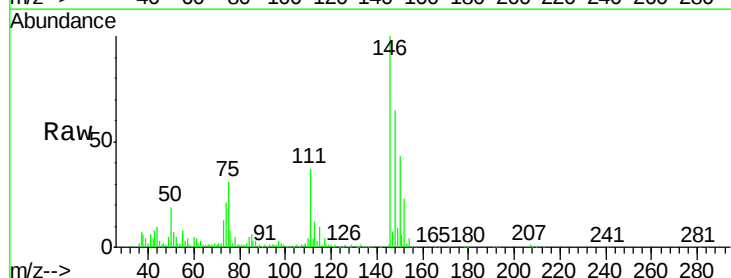
Manual Integrations
 APPROVED

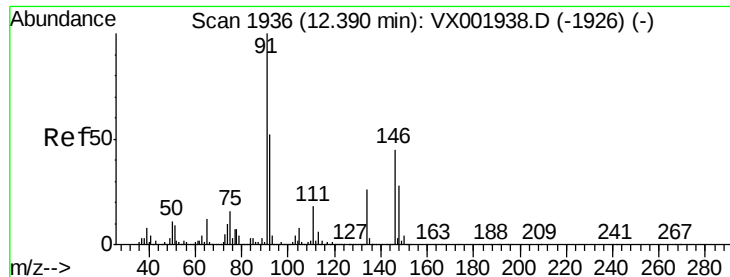
MMDadoda
 5/25/2018 2:25:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.17 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001936.D
 Acq: 24 May 2018 10:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	18.9	56.5
148	66.1	32.3	96.8





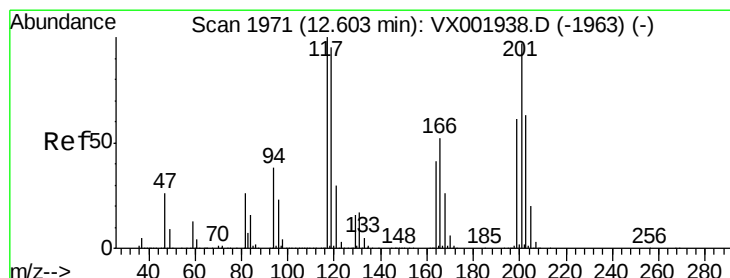
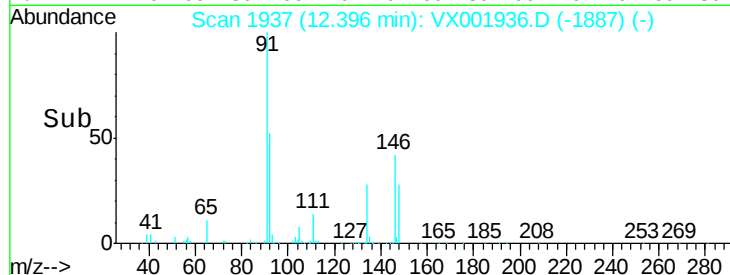
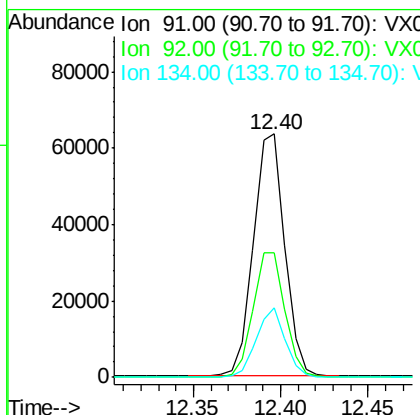
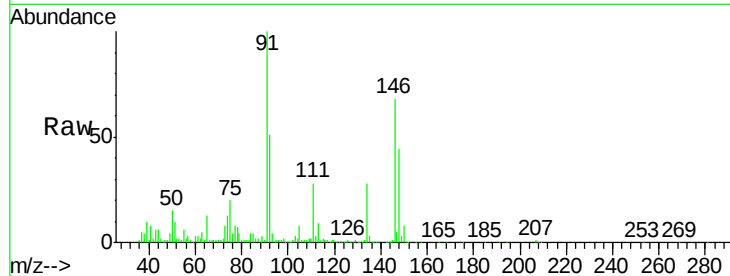
#89
n-Butylbenzene
Concen: 4.90 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.01 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.9
134	27.0	13.6	40.7

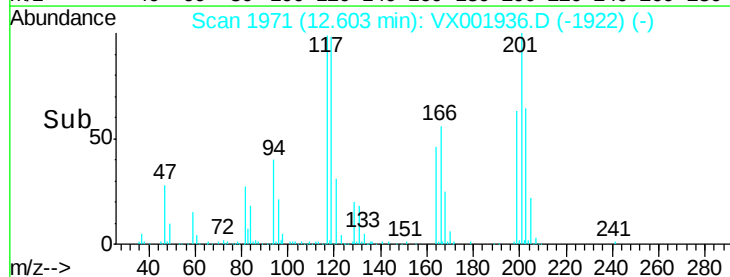
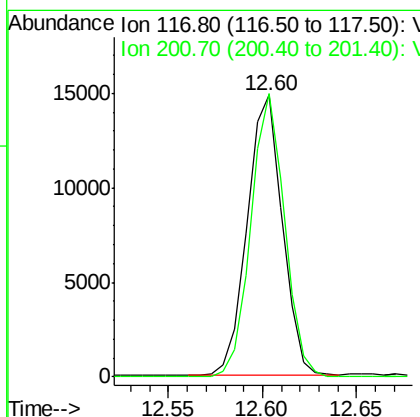
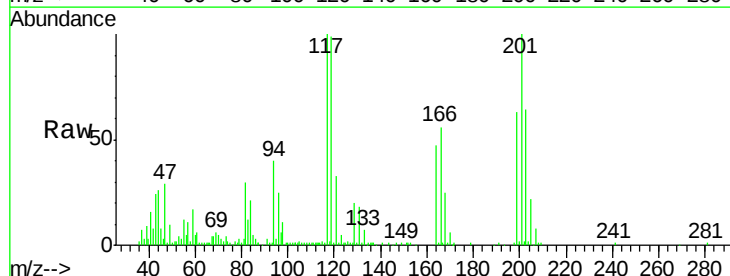
Manual Integrations
APPROVED

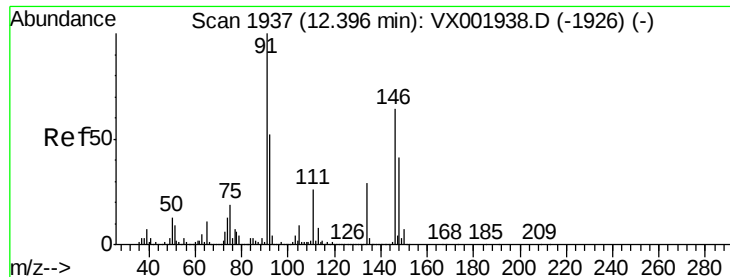
MMDadoda
5/25/2018 2:25:50 PM



#90
Hexachloroethane
Concen: 5.31 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001936.D
Acq: 24 May 2018 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.6	48.0	144.0





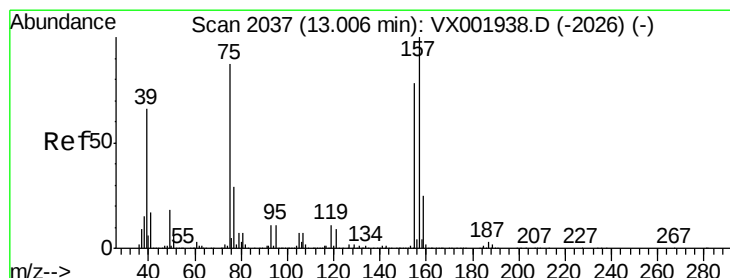
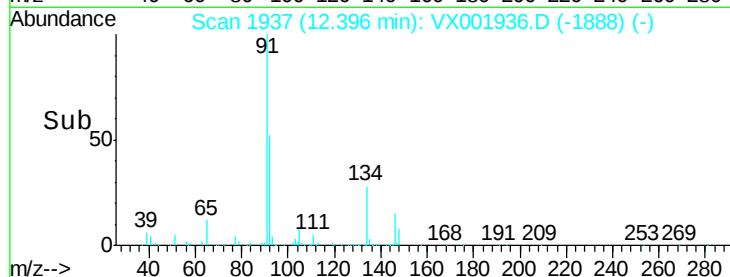
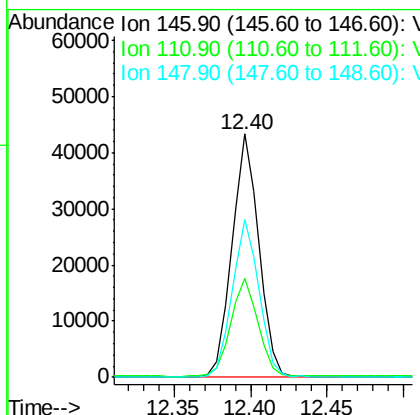
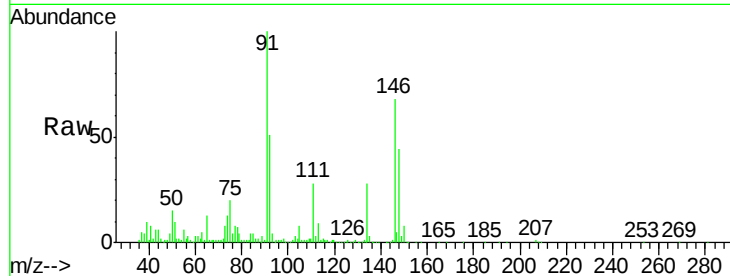
#91
 1,2-Dichlorobenzene
 Concen: 5.34 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001936.D
 Acq: 24 May 2018 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
146	100	52654		
111	40.3	19.8	59.3	
148	65.0	32.1	96.5	

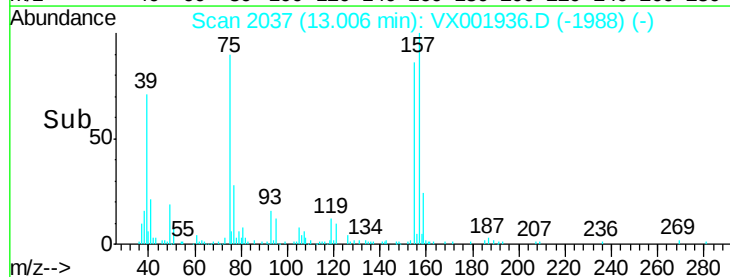
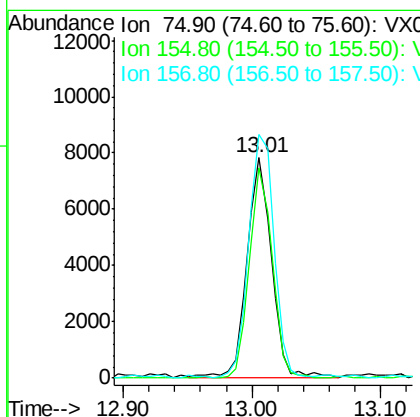
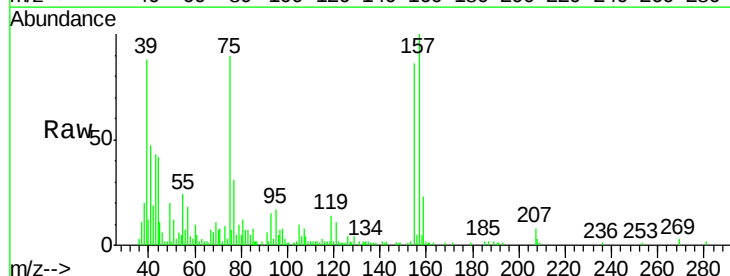
Manual Integrations
 APPROVED

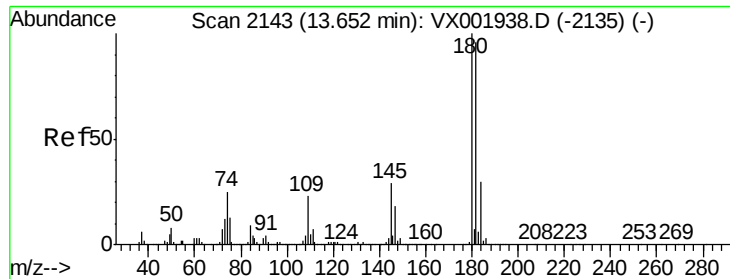
MMDadoda
 5/25/2018 2:25:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.72 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001936.D
 Acq: 24 May 2018 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10324		
155	88.1	45.1	135.2	
157	113.4	58.1	174.2	





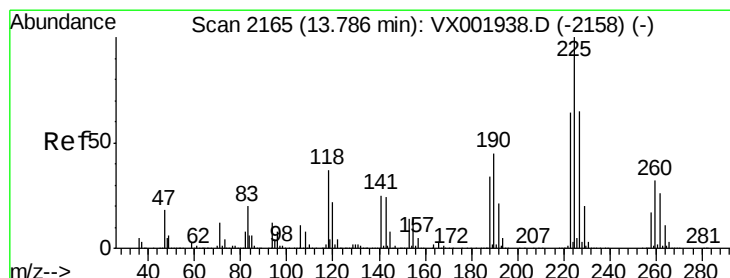
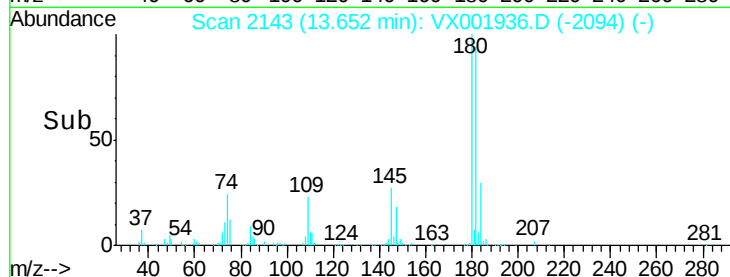
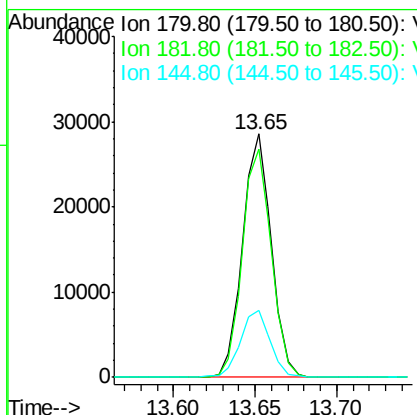
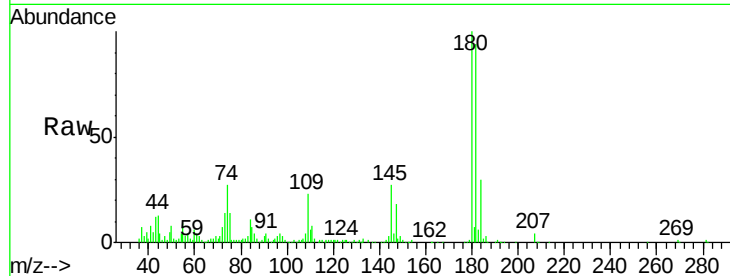
#93
 1,2,4-Trichlorobenzene
 Concen: 4.87 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001936.D
 Acq: 24 May 2018 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.7	143.1
145	28.8	14.4	43.0

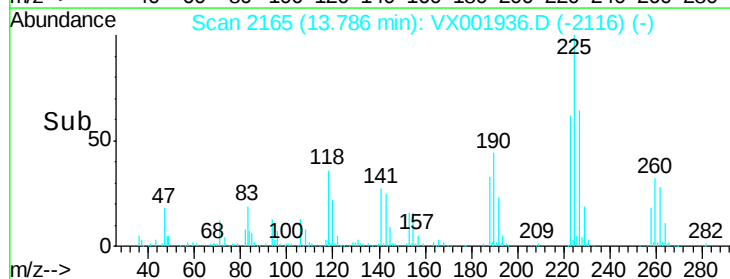
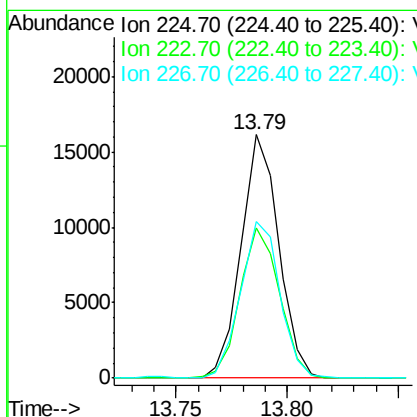
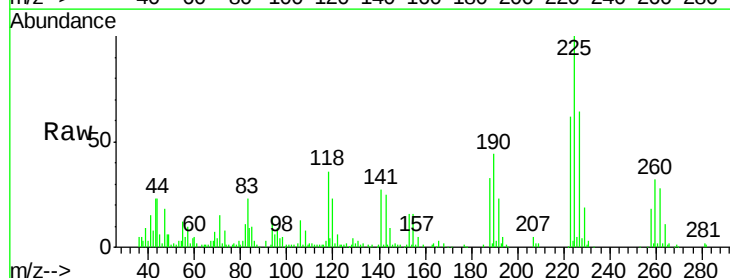
Manual Integrations
 APPROVED

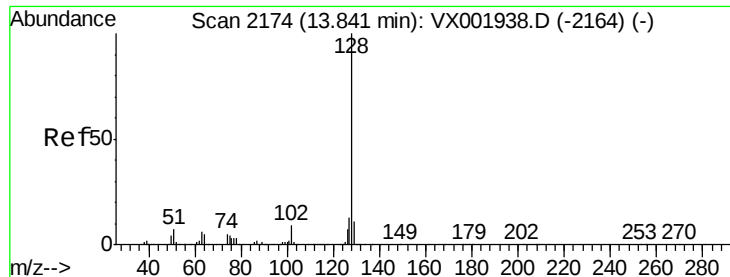
MMDadoda
 5/25/2018 2:25:50 PM



#94
 Hexachlorobutadiene
 Concen: 4.96 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001936.D
 Acq: 24 May 2018 10:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.1	93.5
227	67.5	32.1	96.5





#95

Naphthalene

Concen: 5.28 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Instrument :

MSVOA_X

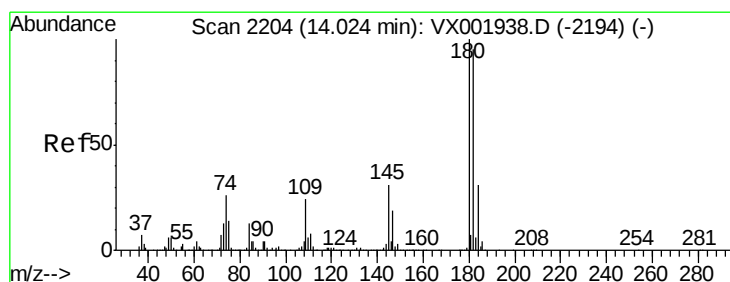
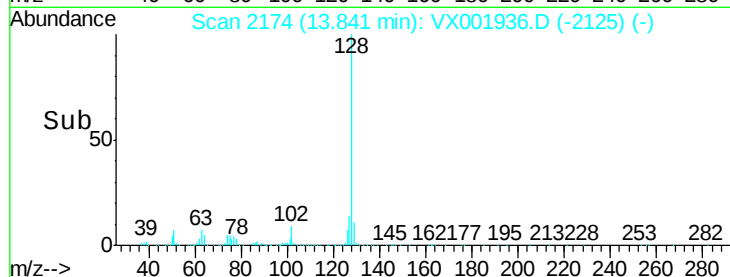
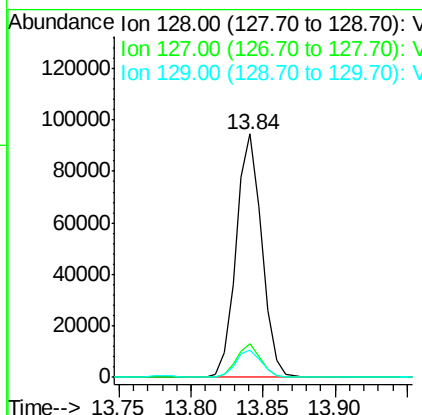
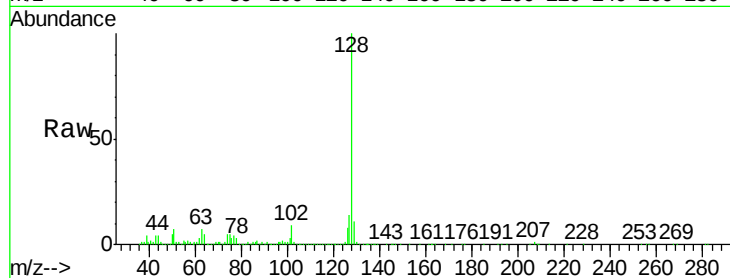
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	116780
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:50 PM



#96

1,2,3-Trichlorobenzene

Concen: 5.15 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001936.D

Acq: 24 May 2018 10:53

Tgt Ion:	180	Resp:	38200
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.9	143.6
145	30.3	15.1	45.3

