

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052418\
 Data File : VX001945.D
 Acq On : 24 May 2018 17:08
 Operator : JC/MD
 Sample : VX0524WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/25/2018 2:25:54 PM

Quant Time: May 25 03:53:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	313892	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	443650	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	399759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	257783	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	279539	49.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.64%		
35) Dibromofluoromethane	5.51	113	217466	49.02	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.04%		
50) Toluene-d8	8.72	98	794371	49.46	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.92%		
62) 4-Bromofluorobenzene	11.14	95	301568	47.99	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.98%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	81650	19.55	ug/l	99
3) Chloromethane	1.32	50	93813	19.42	ug/l	99
4) Vinyl Chloride	1.40	62	90803	19.47	ug/l	99
5) Bromomethane	1.64	94	58262	26.69	ug/l	99
6) Chloroethane	1.72	64	54063	19.67	ug/l	99
7) Trichlorofluoromethane	1.93	101	143234	20.45	ug/l	99
8) Diethyl Ether	2.19	74	52083	20.50	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	79144	20.25	ug/l	99
10) Methyl Iodide	2.51	142	87241	16.50	ug/l	99
11) Tert butyl alcohol	3.09	59	130412	118.41	ug/l	100
12) 1,1-Dichloroethene	2.37	96	73653	20.13	ug/l	99
13) Acrolein	2.30	56	47635	100.03	ug/l	96
14) Allyl chloride	2.73	41	157314	20.48	ug/l	99
15) Acrylonitrile	3.16	53	240970	106.40	ug/l	99
16) Acetone	2.45	43	258692	119.47	ug/l	98
17) Carbon Disulfide	2.57	76	207233	19.68	ug/l	100
18) Methyl Acetate	2.78	43	117121	21.81	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	283148	20.58	ug/l	100
20) Methylene Chloride	2.86	84	82313	20.99	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	77060	20.71	ug/l	98
22) Diisopropyl ether	3.88	45	284491	18.21	ug/l	95
23) Vinyl Acetate	3.83	43	1296210	100.08	ug/l	100
24) 1,1-Dichloroethane	3.70	63	150618	20.30	ug/l	99
25) 2-Butanone	4.73	43	436270	109.93	ug/l	99
26) 2,2-Dichloropropane	4.59	77	151805	20.21	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	94179	19.74	ug/l	93
28) Bromochloromethane	5.03	49	72357	22.06	ug/l	99
29) Tetrahydrofuran	5.18	42	272508	105.54	ug/l	100
30) Chloroform	5.23	83	164655	19.70	ug/l	97
31) Cyclohexane	5.58	56	148102	19.16	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	151803	19.48	ug/l	100
36) 1,1-Dichloropropene	5.81	75	116146	18.82	ug/l	99
37) Ethyl Acetate	4.88	43	162405	20.19	ug/l	100
38) Carbon Tetrachloride	5.79	117	138959	19.31	ug/l	98

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052418\
 Data File : VX001945.D
 Acq On : 24 May 2018 17:08
 Operator : JC/MD
 Sample : VX0524WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/25/2018 2:25:54 PM

Quant Time: May 25 03:53:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	145573	19.20	ug/l	99
40) Benzene	6.15	78	353155	19.53	ug/l	98
41) Methacrylonitrile	5.07	41	92578	21.02	ug/l	97
42) 1,2-Dichloroethane	6.21	62	138165	19.13	ug/l	99
43) Isopropyl Acetate	6.48	43	269867	20.13	ug/l	100
44) Trichloroethene	7.22	130	100314	19.04	ug/l	98
45) 1,2-Dichloropropane	7.52	63	95269	19.40	ug/l	100
46) Dibromomethane	7.67	93	62659	19.28	ug/l	99
47) Bromodichloromethane	7.91	83	132553	19.12	ug/l	99
48) Methyl methacrylate	7.79	41	135269	19.83	ug/l	98
49) 1,4-Dioxane	7.77	88	50284	418.24	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	839856	103.93	ug/l	99
52) Toluene	8.79	92	221142	19.22	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	156963	19.66	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	150568	19.36	ug/l	100
55) 1,1,2-Trichloroethane	9.23	97	91082	18.95	ug/l	98
56) Ethyl methacrylate	9.19	69	157811	19.09	ug/l	100
57) 1,3-Dichloropropane	9.38	76	153328	19.36	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	353406	96.45	ug/l	99
59) 2-Hexanone	9.51	43	661072	106.10	ug/l	99
60) Dibromochloromethane	9.59	129	109898	19.30	ug/l	99
61) 1,2-Dibromoethane	9.68	107	98043	19.44	ug/l	98
64) Tetrachloroethene	9.34	164	110739	19.32	ug/l	99
65) Chlorobenzene	10.15	112	247912	19.57	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	99732	19.50	ug/l	100
67) Ethyl Benzene	10.26	91	432513	19.65	ug/l	100
68) m/p-Xylenes	10.37	106	328009	38.99	ug/l	99
69) o-Xylene	10.71	106	162632	19.36	ug/l	99
70) Styrene	10.72	104	269491	19.35	ug/l	99
71) Bromoform	10.87	173	93472	19.27	ug/l #	99
73) Isopropylbenzene	11.02	105	438780	20.10	ug/l	100
74) N-amyl acetate	6.48	43	269867	22.07	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	133707	21.68	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	145532m	23.50	ug/l	
77) Bromobenzene	11.26	156	113886	19.66	ug/l	99
78) n-propylbenzene	11.37	91	486788	19.91	ug/l	99
79) 2-Chlorotoluene	11.43	91	296481	20.76	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	369834	19.82	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	50370	19.55	ug/l	97
82) 4-Chlorotoluene	11.52	91	342898	19.89	ug/l	98
83) tert-Butylbenzene	11.77	119	370990	20.27	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	376446	19.53	ug/l	100
85) sec-Butylbenzene	11.95	105	438944	19.95	ug/l	99
86) p-Isopropyltoluene	12.07	119	388719	19.74	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	201134	19.39	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	200580	19.34	ug/l	99
89) n-Butylbenzene	12.40	91	325991	19.54	ug/l	99
90) Hexachloroethane	12.60	117	78177	20.13	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	209429	19.82	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	40435	20.83	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052418\
Data File : VX001945.D
Acq On : 24 May 2018 17:08
Operator : JC/MD
Sample : VX0524WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

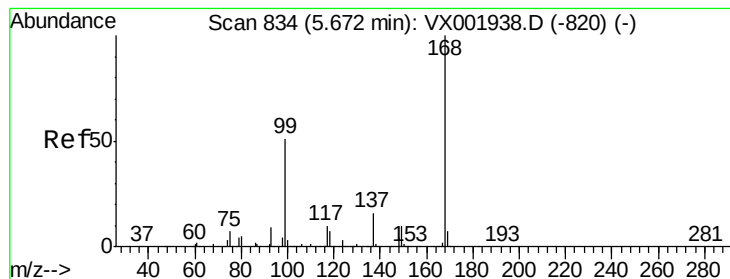
Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:54 PM

Quant Time: May 25 03:53:04 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	144290	19.09	ug/l	100
94) Hexachlorobutadiene	13.79	225	78002	19.19	ug/l	98
95) Naphthalene	13.84	128	471259	20.24	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	151974	19.44	ug/l	100

(#) = 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: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion:168 Resp: 313892

Ion Ratio Lower Upper

168 100

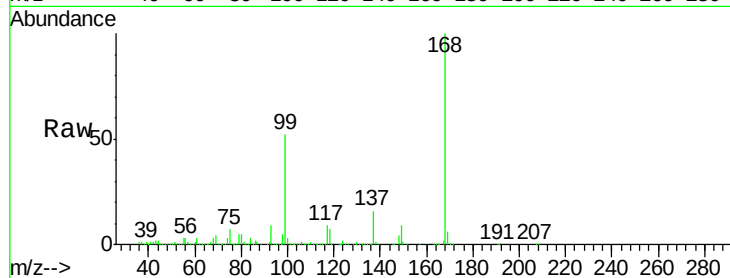
99 51.5 41.0 61.4

Manual Integrations

APPROVED

MMDadoda

5/25/2018 2:25:54 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

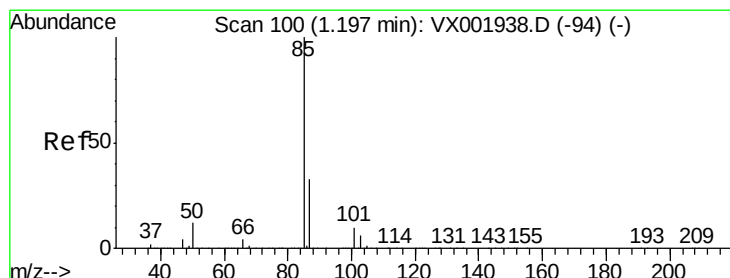
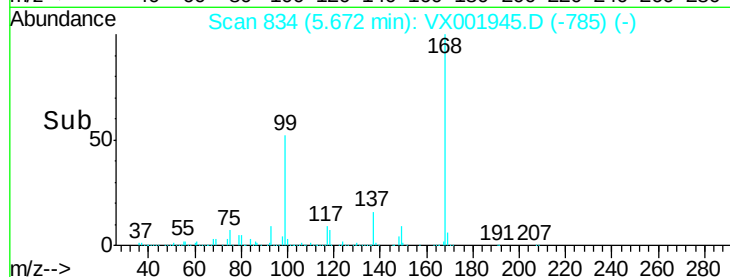
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.55 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001945.D

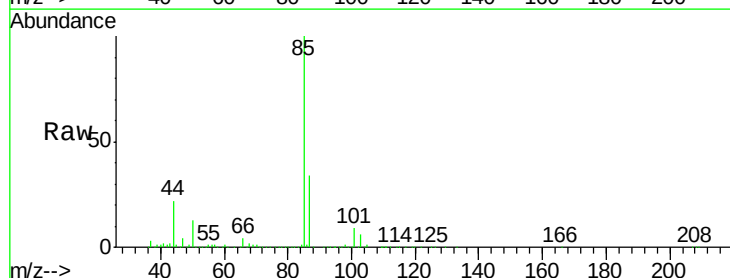
Acq: 24 May 2018 17:08

Tgt Ion: 85 Resp: 81650

Ion Ratio Lower Upper

85 100

87 33.8 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

80000

60000

40000

20000

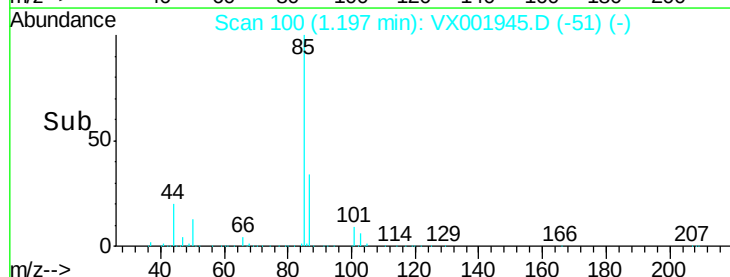
0

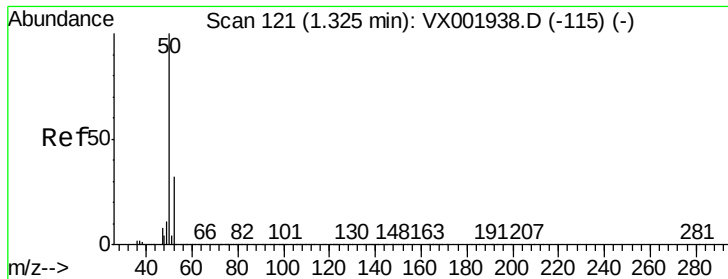
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 19.42 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 50 Resp: 93813

Ion Ratio Lower Upper

50 100

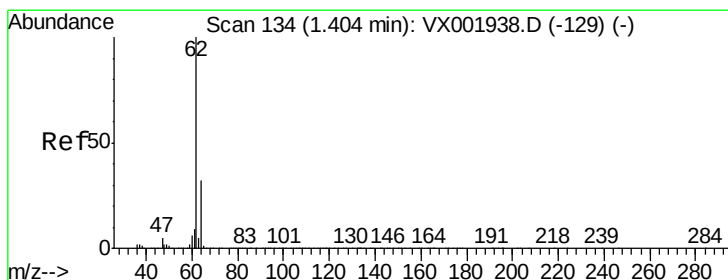
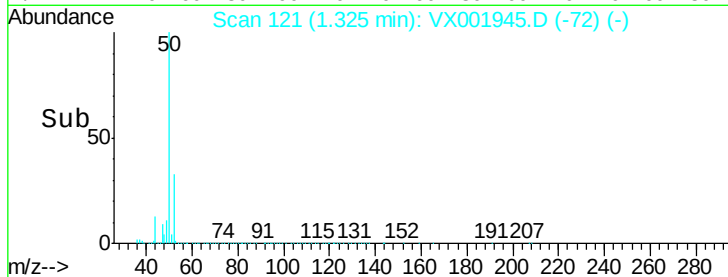
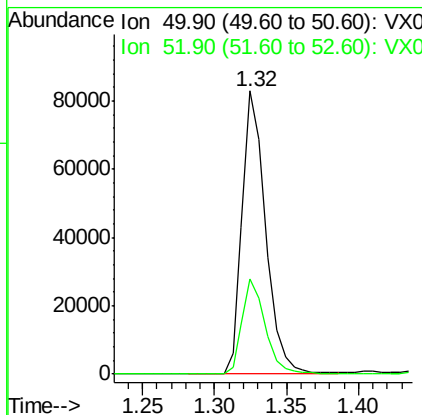
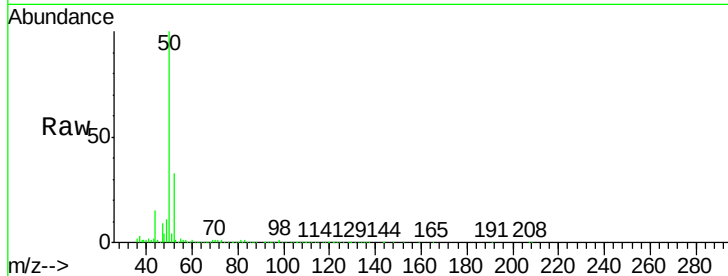
52 33.3 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

5/25/2018 2:25:54 PM



#4

Vinyl Chloride

Concen: 19.47 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001945.D

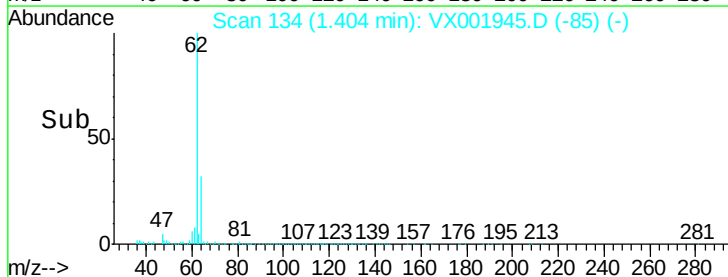
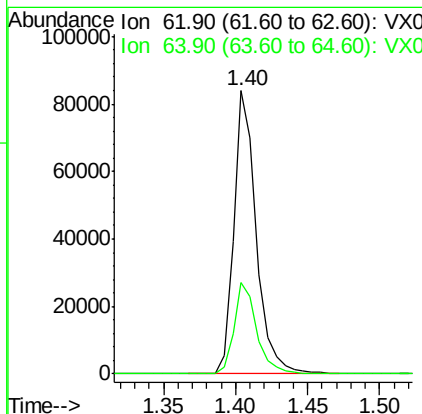
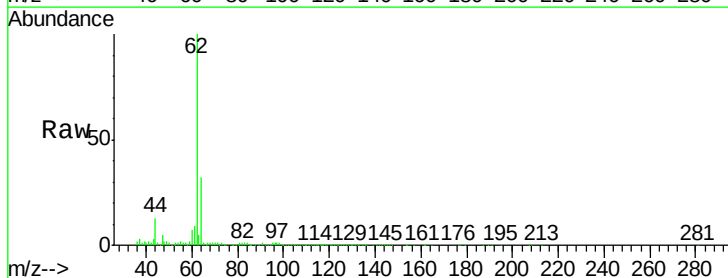
Acq: 24 May 2018 17:08

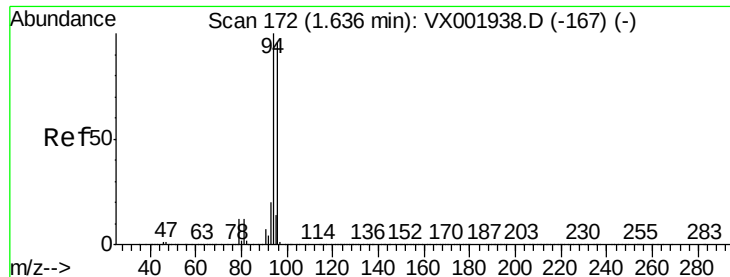
Tgt Ion: 62 Resp: 90803

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 26.69 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 94 Resp: 58262

Ion Ratio Lower Upper

94 100

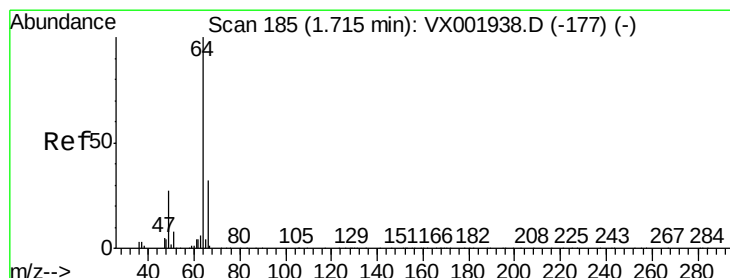
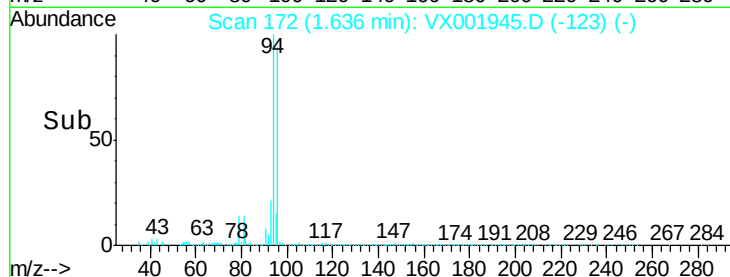
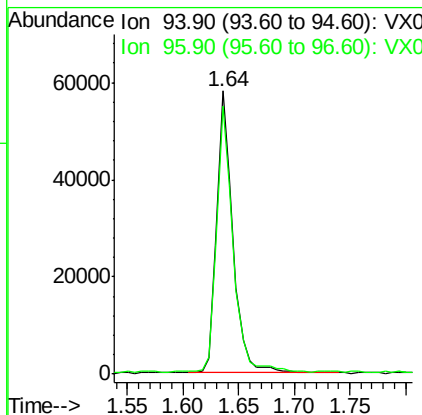
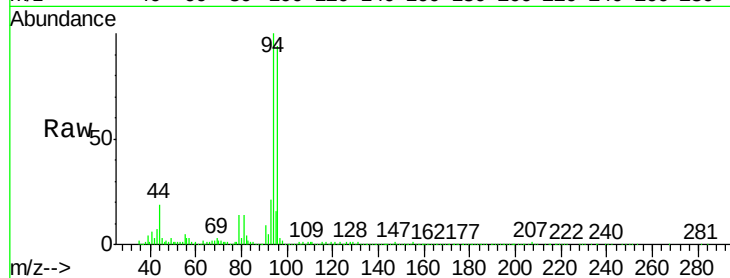
96 93.9 75.9 113.9

Manual Integrations

APPROVED

MMDadoda

5/25/2018 2:25:54 PM



#6

Chloroethane

Concen: 19.67 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX001945.D

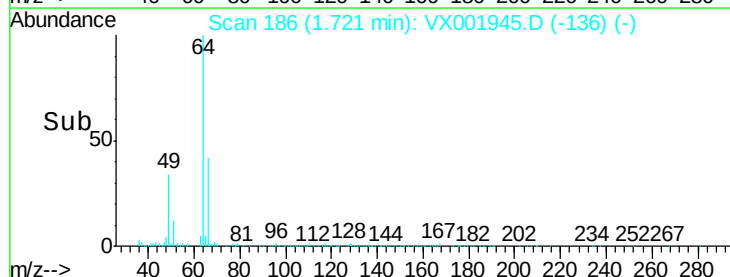
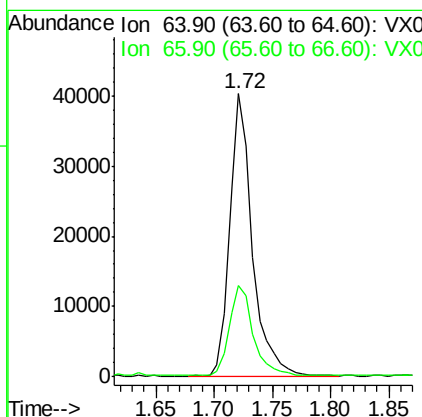
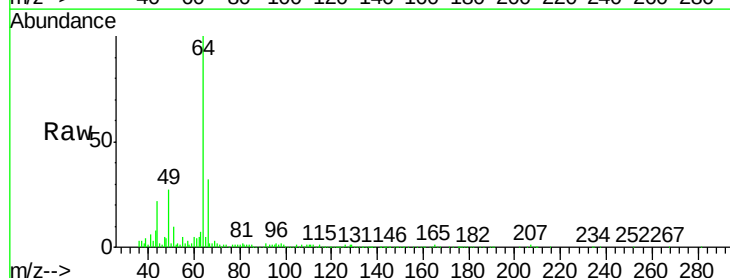
Acq: 24 May 2018 17:08

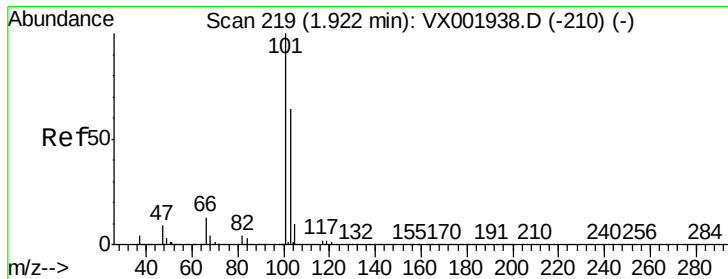
Tgt Ion: 64 Resp: 54063

Ion Ratio Lower Upper

64 100

66 31.7 25.6 38.4





#7

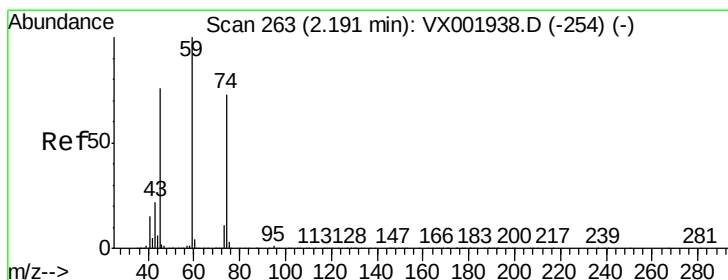
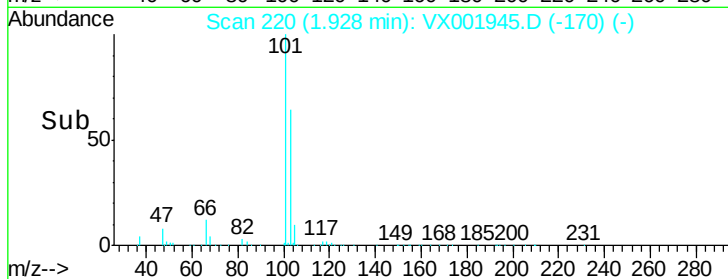
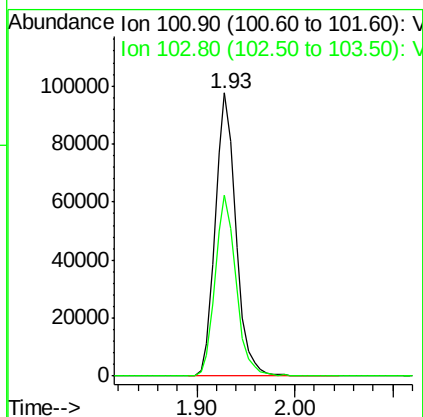
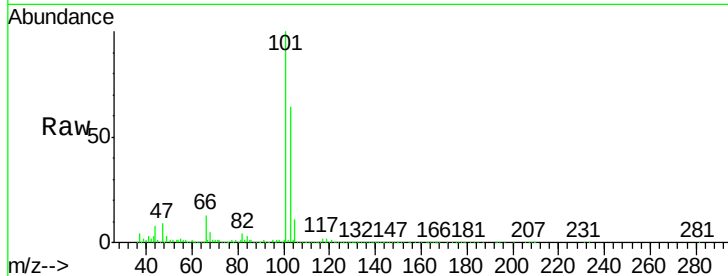
Trichlorofluoromethane
Concen: 20.45 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		143234		
103	63.5	51.4	77.0		

Manual Integrations
APPROVED

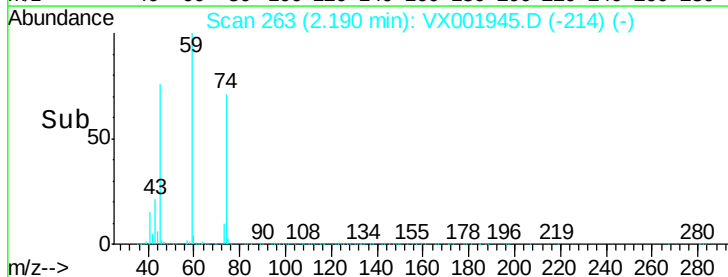
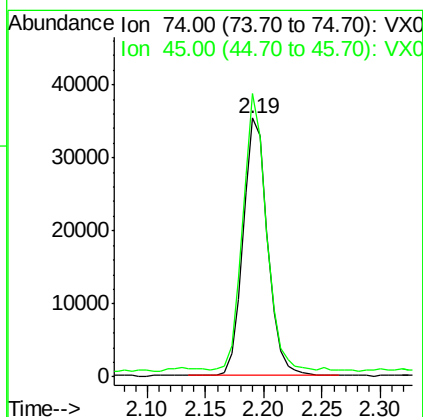
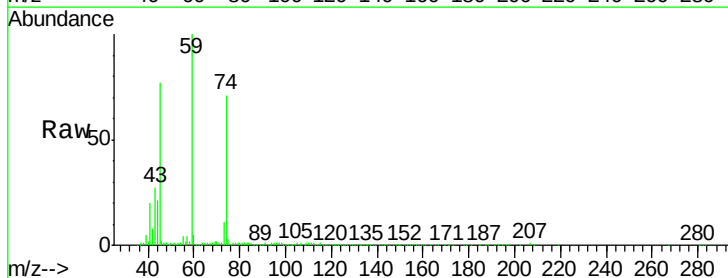
MMDadoda
5/25/2018 2:25:54 PM

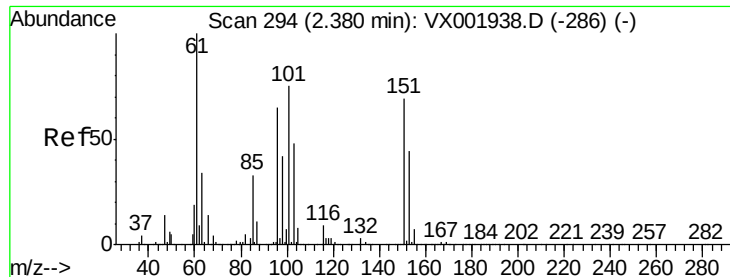


#8

Diethyl Ether
Concen: 20.50 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		52083		
45	102.4	51.5	154.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.25 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

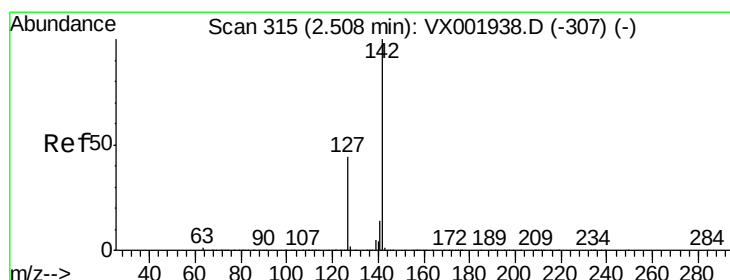
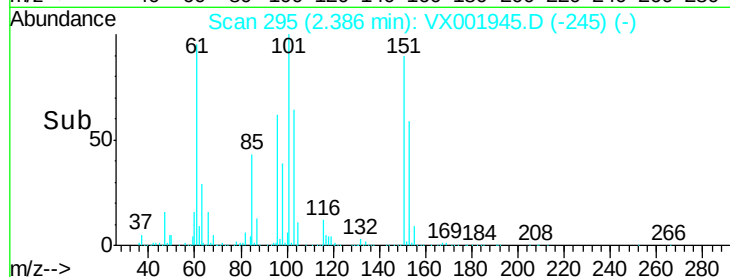
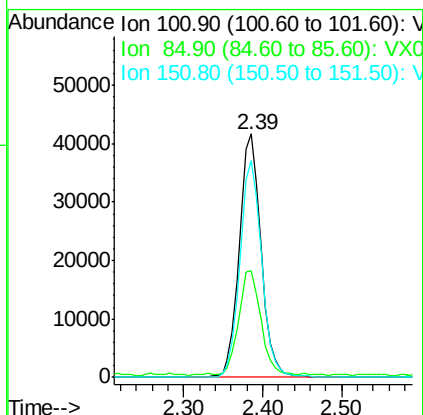
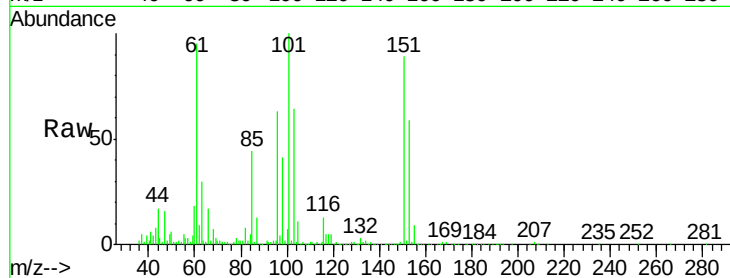
ClientSampleId :

VX0524WBS01

Tot Ion:	101	Resp:	79144
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.6	53.4
151	90.4	73.2	109.8

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:54 PM



#10

Methyl Iodide

Concen: 16.50 ug/l

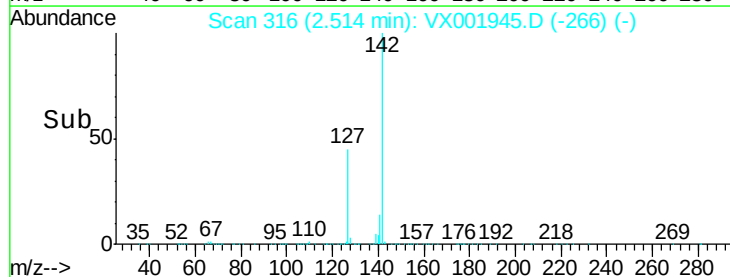
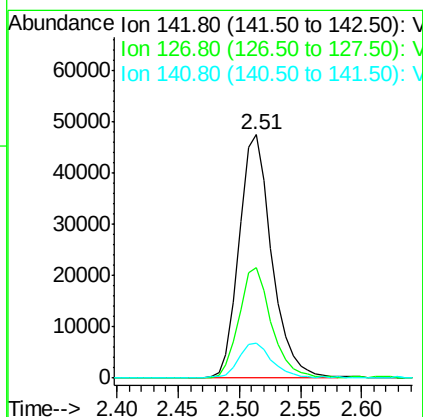
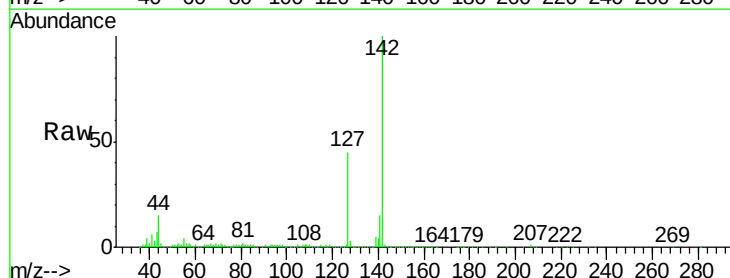
RT: 2.51 min Scan# 316

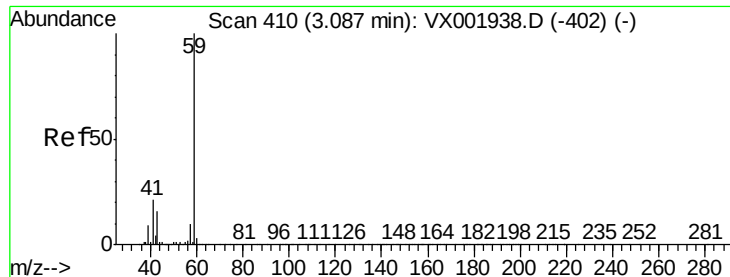
Delta R.T. 0.01 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Tgt Ion:	142	Resp:	87241
Ion Ratio	Lower	Upper	
142	100		
127	45.1	35.5	53.3
141	14.6	11.3	16.9





#11

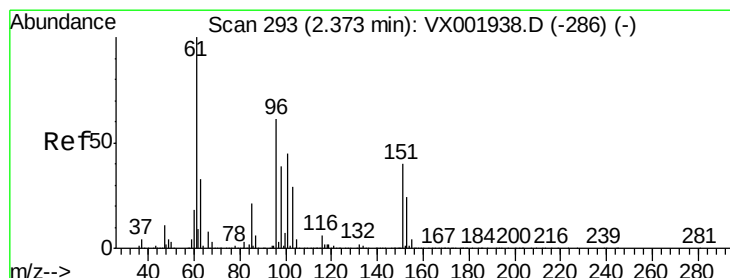
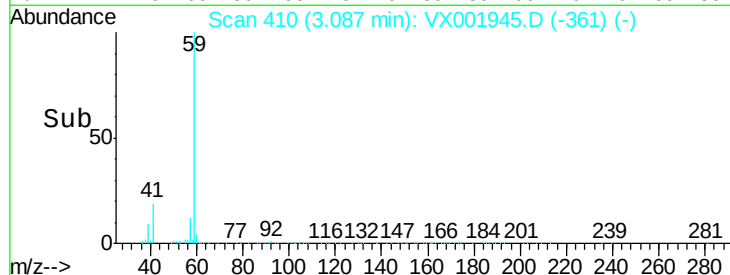
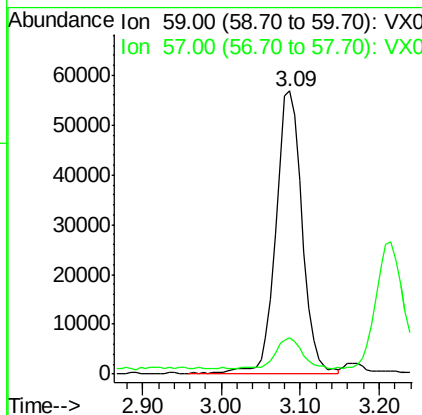
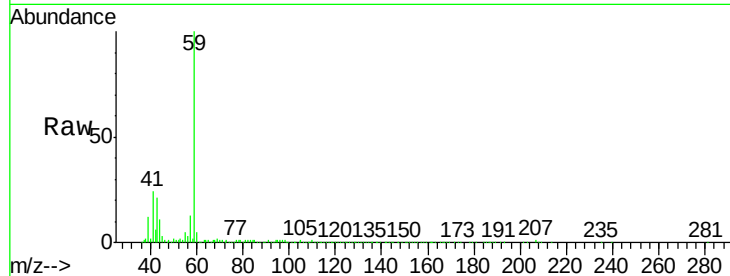
Tert butyl alcohol
Concen: 118.41 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.9	13.3

Manual Integrations
APPROVED

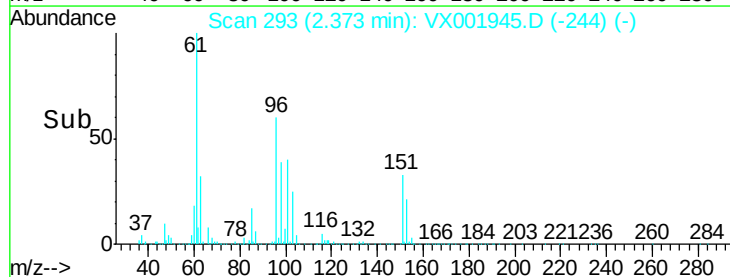
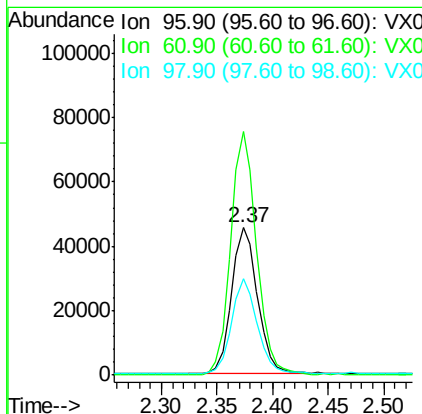
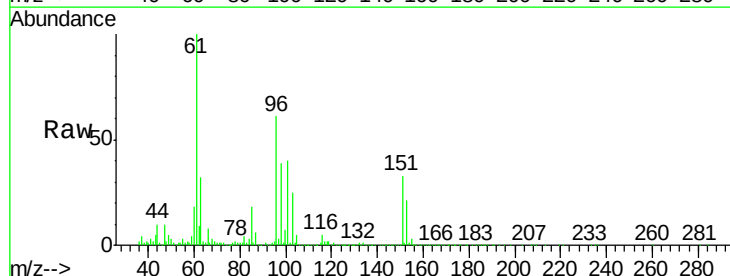
MMDadoda
5/25/2018 2:25:54 PM

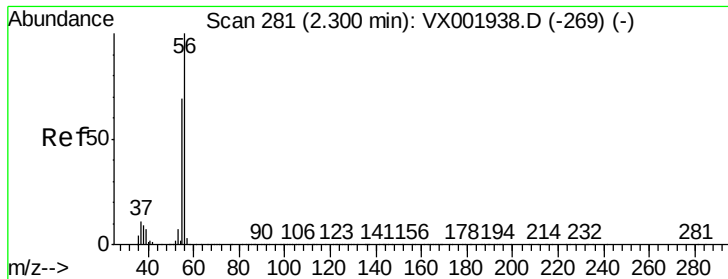


#12

1,1-Dichloroethene
Concen: 20.13 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.0	131.7	197.5
98	64.4	51.6	77.4





#13

Acrolein

Concen: 100.03 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 56 Resp: 47635

Ion Ratio Lower Upper

56 100

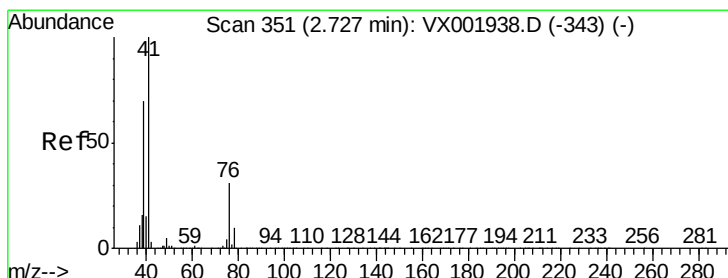
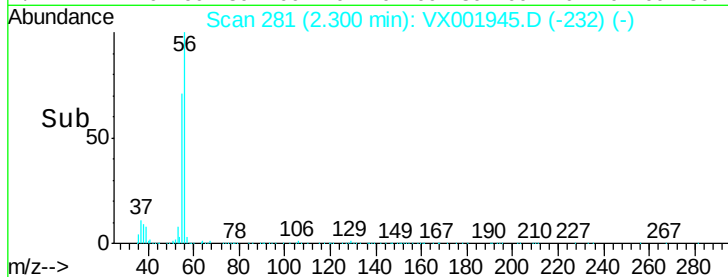
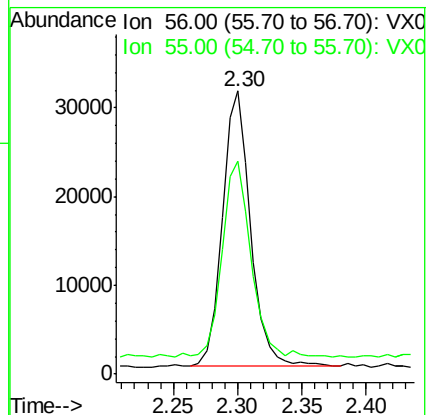
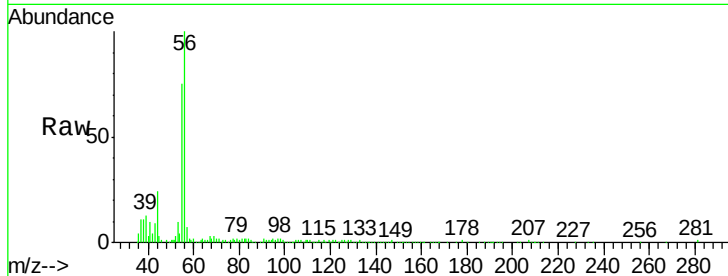
55 74.0 56.8 85.2

Manual Integrations

APPROVED

MMDadoda

5/25/2018 2:25:54 PM



#14

Allyl chloride

Concen: 20.48 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

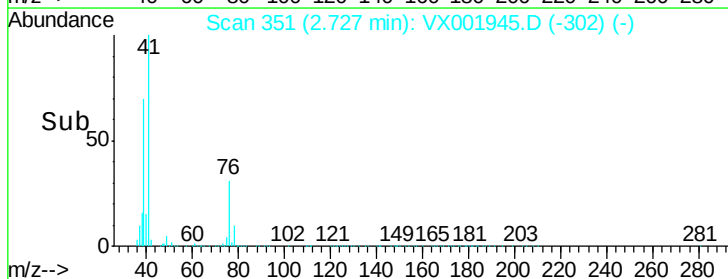
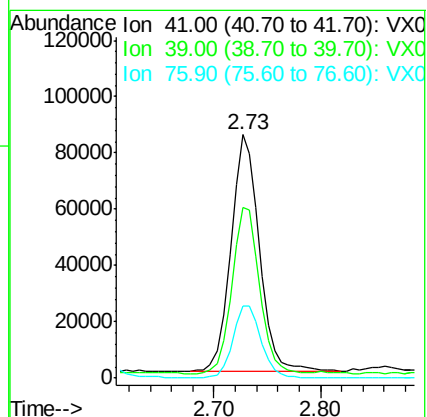
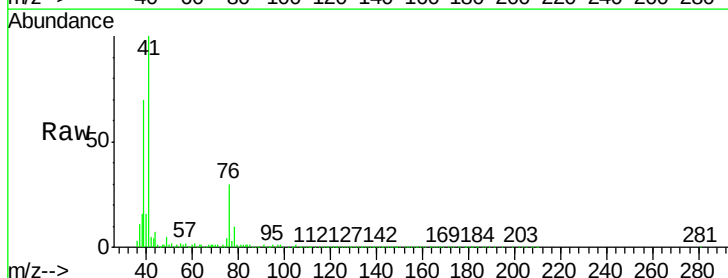
Tgt Ion: 41 Resp: 157314

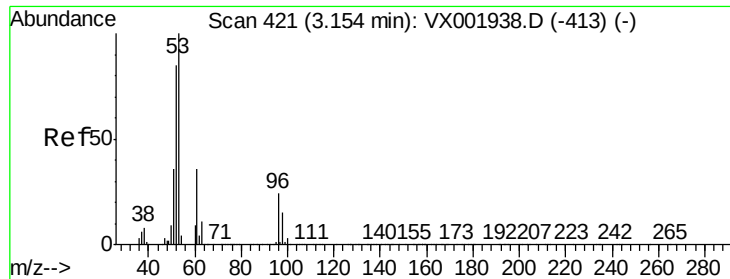
Ion Ratio Lower Upper

41 100

39 68.8 54.3 81.5

76 30.0 24.2 36.4





#15

Acrylonitrile

Concen: 106.40 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

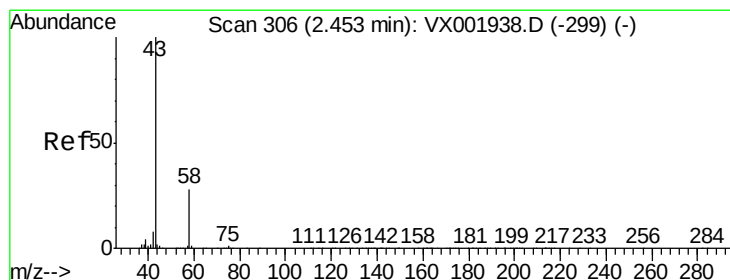
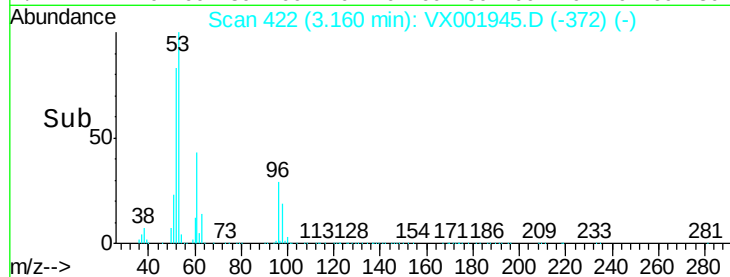
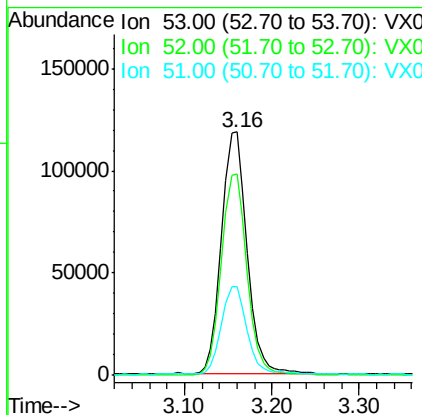
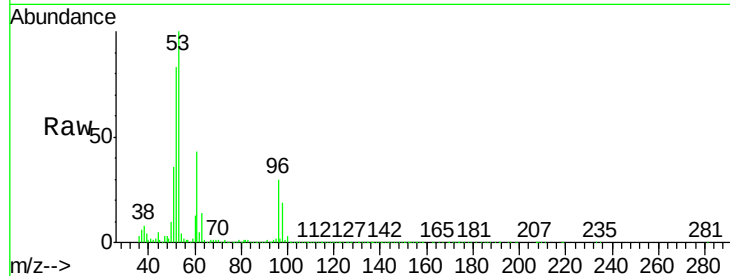
ClientSampleId :

VX0524WBS01

Tot Ion:	53	Resp:	240970
Ion Ratio		Lower	Upper
53	100		
52	82.5	66.4	99.6
51	37.0	29.3	43.9

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:54 PM



#16

Acetone

Concen: 119.47 ug/l

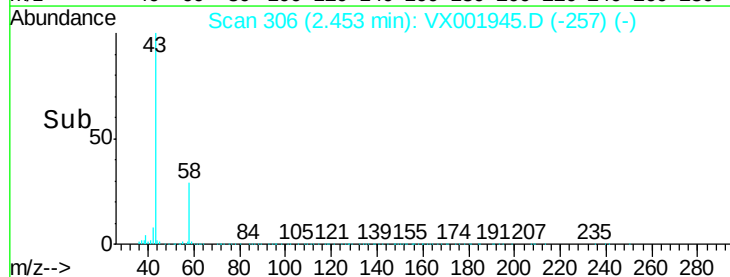
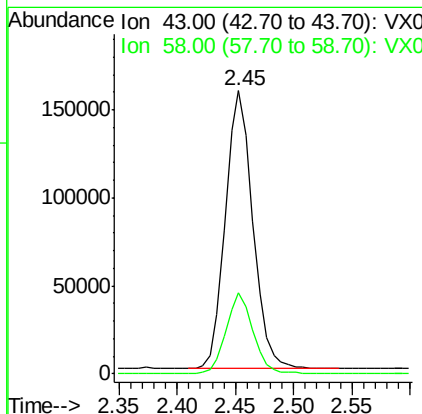
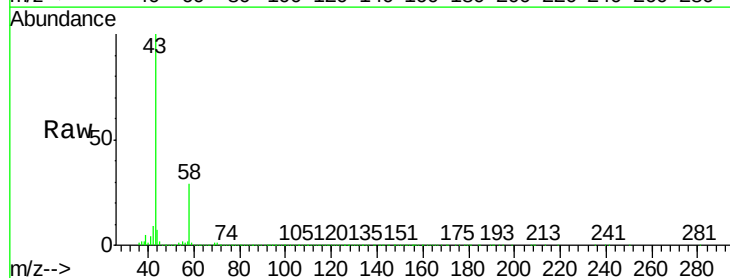
RT: 2.45 min Scan# 306

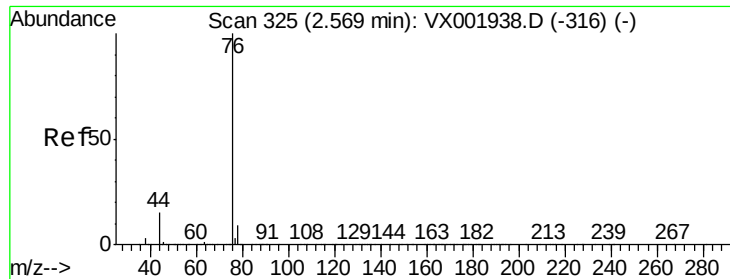
Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Tgt Ion:	43	Resp:	258692
Ion Ratio		Lower	Upper
43	100		
58	28.8	22.3	33.5





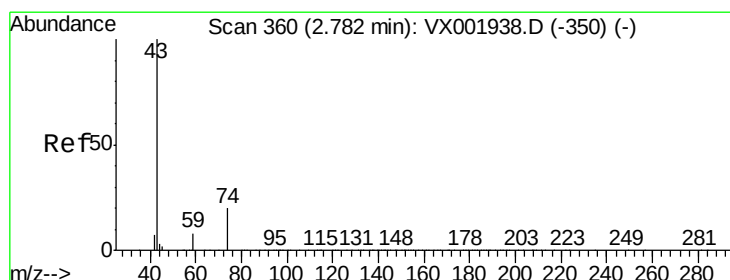
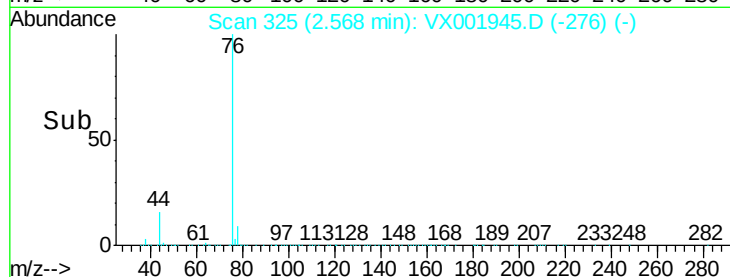
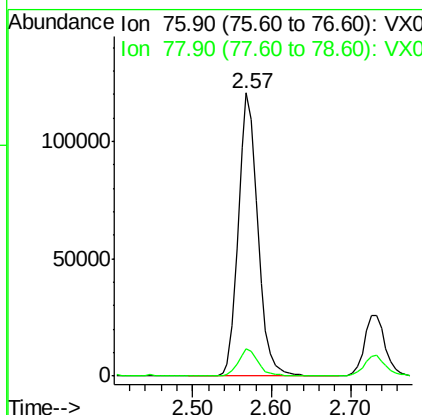
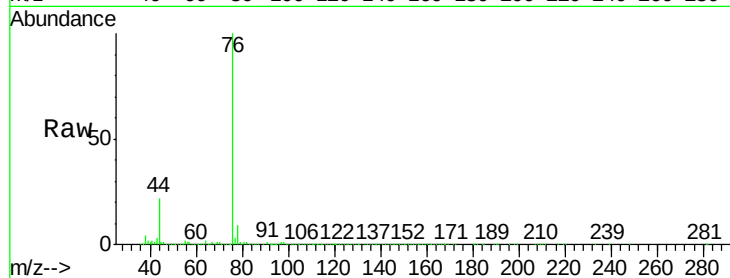
#17
Carbon Disulfide
Concen: 19.68 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

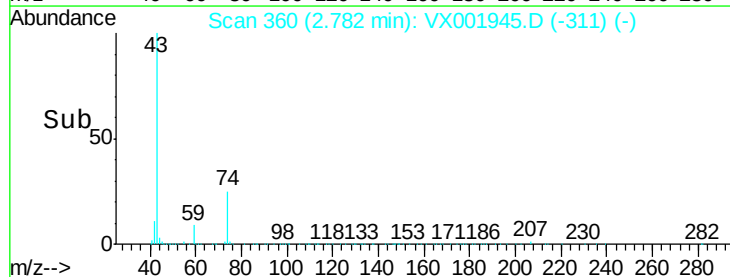
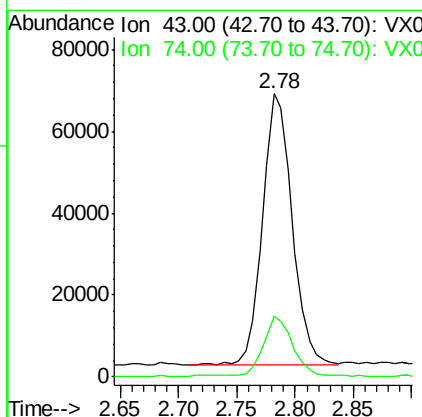
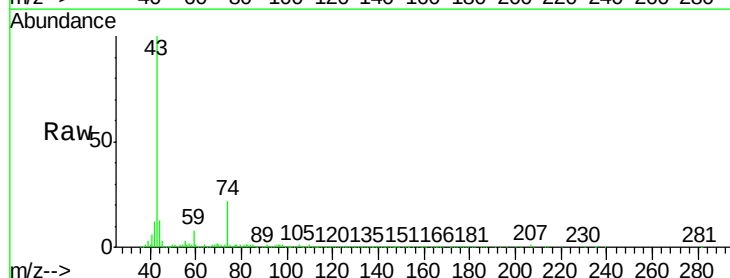
Manual Integrations
APPROVED

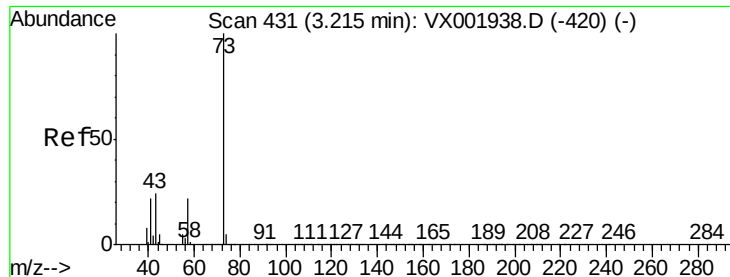
MMDadoda
5/25/2018 2:25:54 PM



#18
Methyl Acetate
Concen: 21.81 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	16.8	25.2





#19

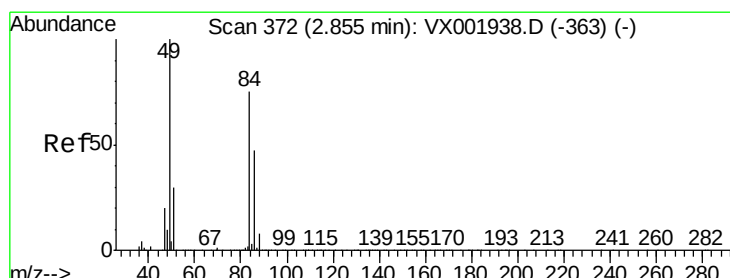
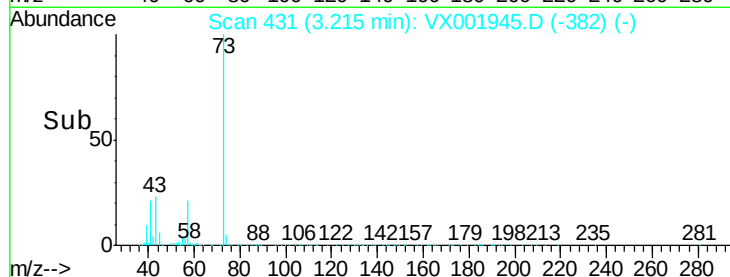
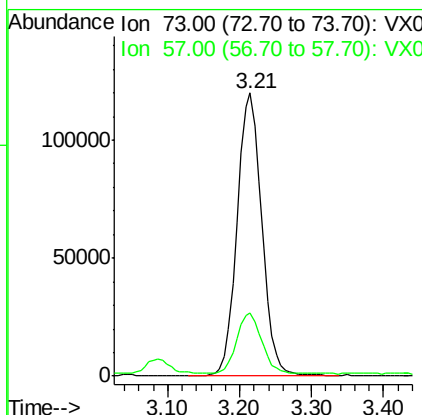
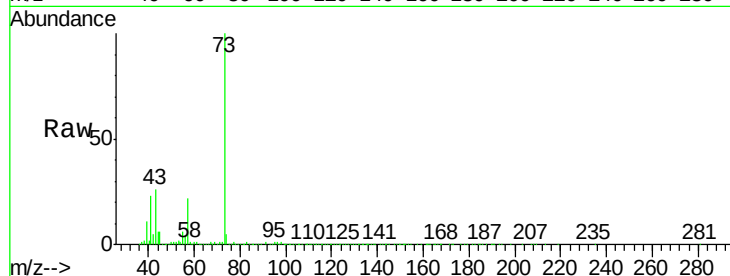
Methyl tert-butyl Ether
 Concen: 20.58 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. -0.00 min
 Lab File: VX001945.D
 Acq: 24 May 2018 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.0

Manual Integrations
 APPROVED

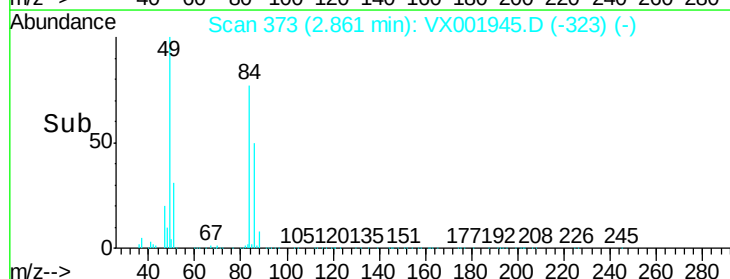
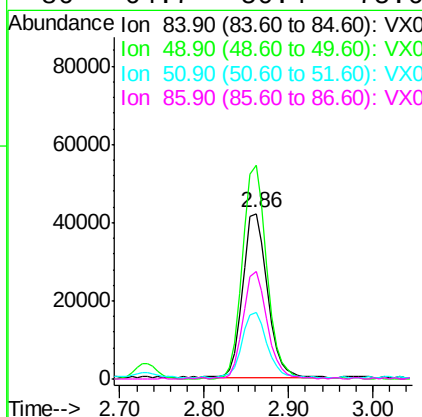
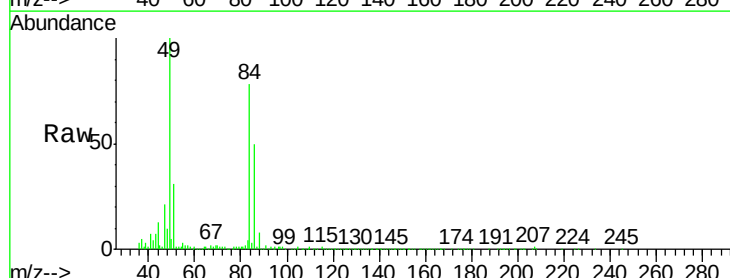
MMDadoda
 5/25/2018 2:25:54 PM

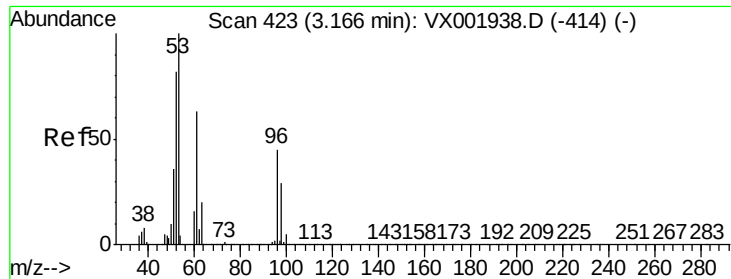


#20

Methylene Chloride
 Concen: 20.99 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VX001945.D
 Acq: 24 May 2018 17:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.9	107.2	160.8
51	40.0	32.4	48.6
86	64.7	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 20.71 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

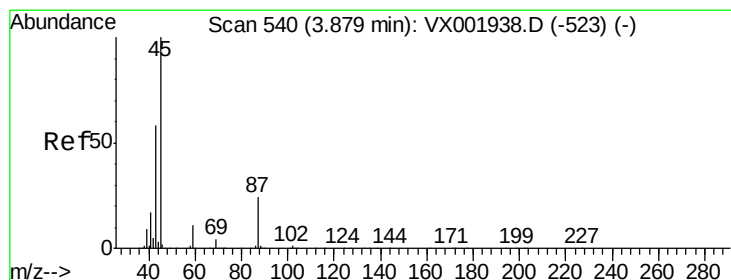
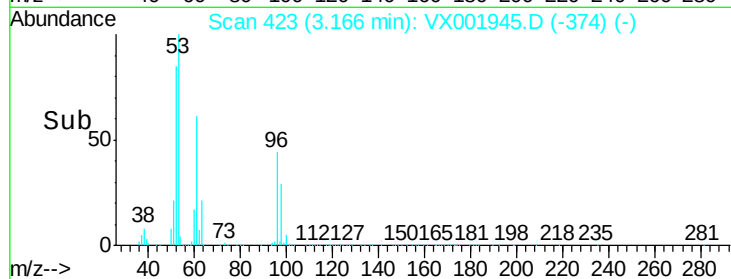
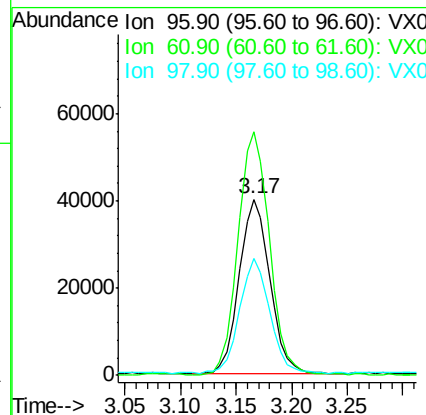
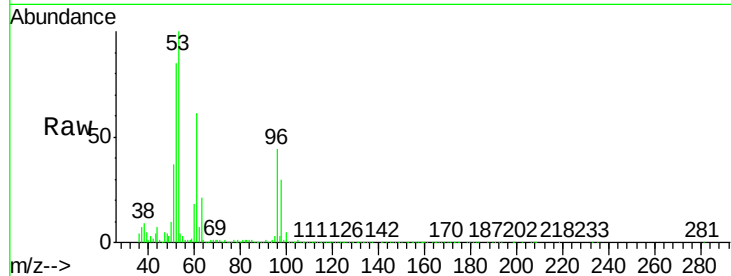
ClientSampleId :

VX0524WBS01

Tot Ion:	96	Resp:	77060
Ion	Ratio	Lower	Upper
96	100		
61	138.8	113.3	169.9
98	65.8	51.7	77.5

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:54 PM



#22

Diisopropyl ether

Concen: 18.21 ug/l

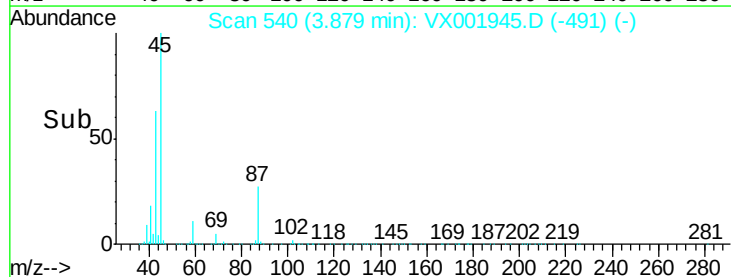
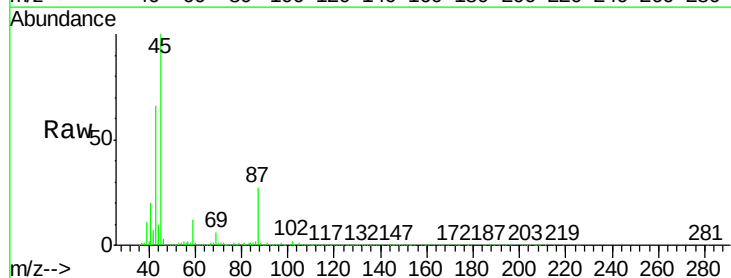
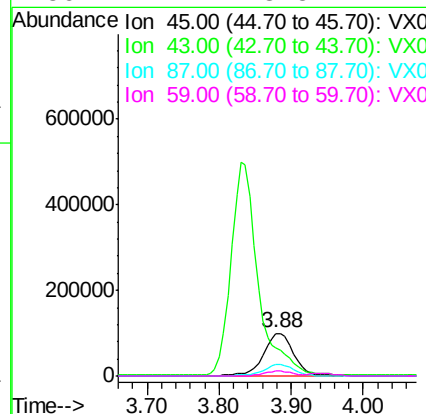
RT: 3.88 min Scan# 540

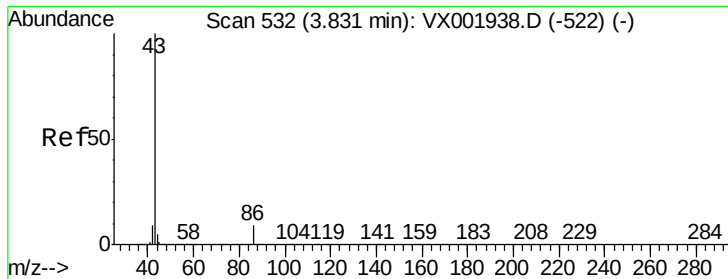
Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Tgt Ion:	45	Resp:	284491
Ion	Ratio	Lower	Upper
45	100		
43	62.8	47.0	70.6
87	26.6	19.4	29.0
59	11.4	8.5	12.7





#23

Vinyl Acetate

Concen: 100.08 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 43 Resp: 1296210

Ion Ratio Lower Upper

43 100

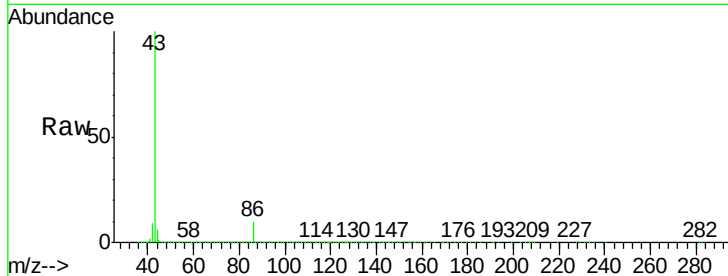
86 9.6 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

5/25/2018 2:25:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

500000

400000

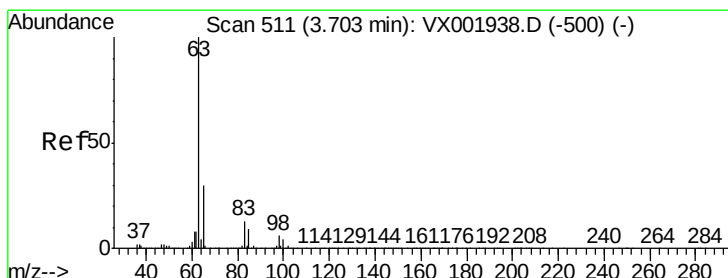
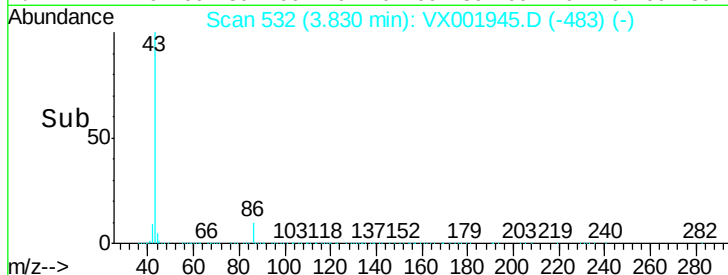
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.30 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

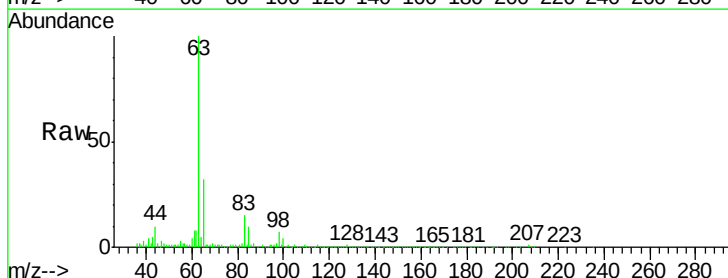
Tgt Ion: 63 Resp: 150618

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 4.4 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

80000

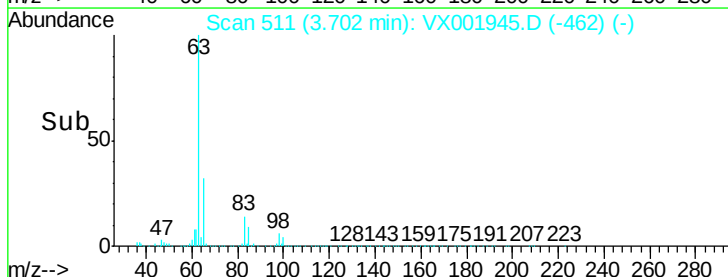
60000

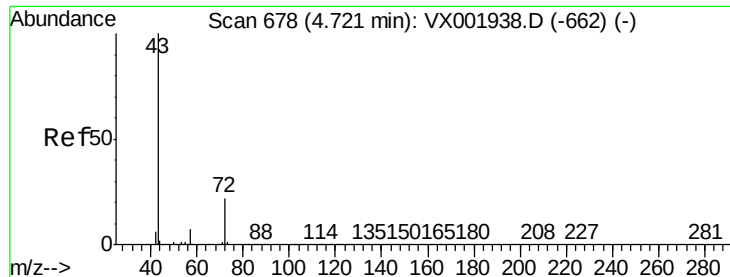
40000

20000

0

Time-->





#25

2-Butanone

Concen: 109.93 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 43 Resp: 436270

Ion Ratio Lower Upper

43 100

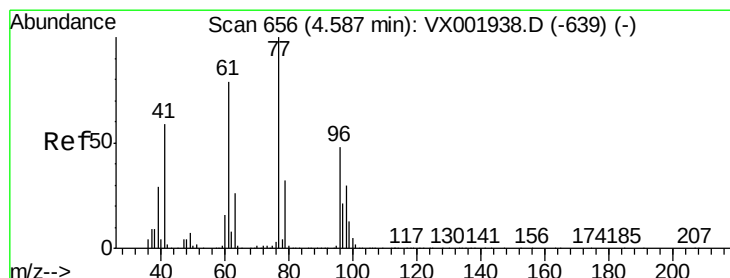
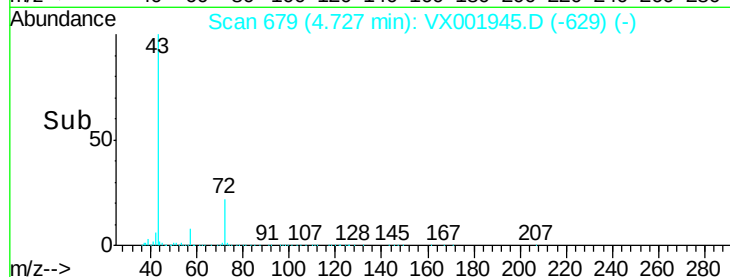
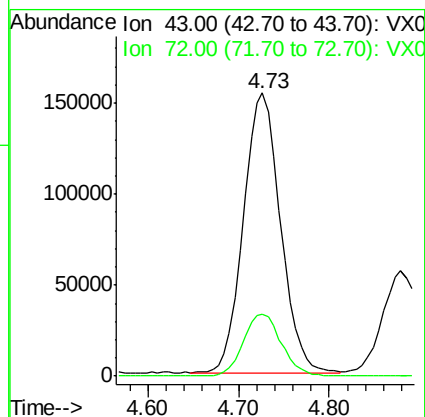
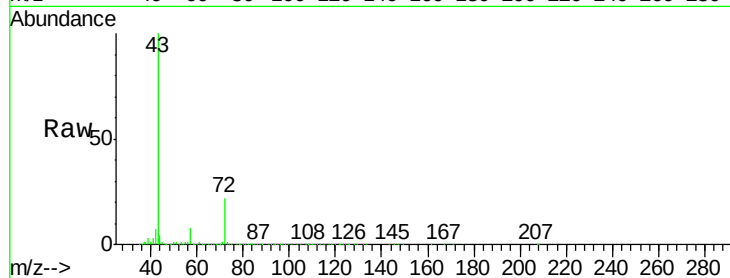
72 22.1 17.9 26.9

Manual Integrations

APPROVED

MMDadoda

5/25/2018 2:25:54 PM



#26

2,2-Dichloropropane

Concen: 20.21 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX001945.D

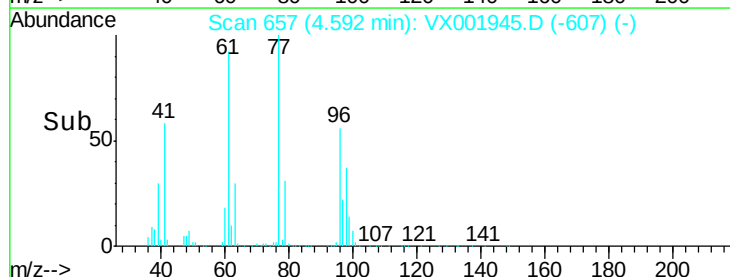
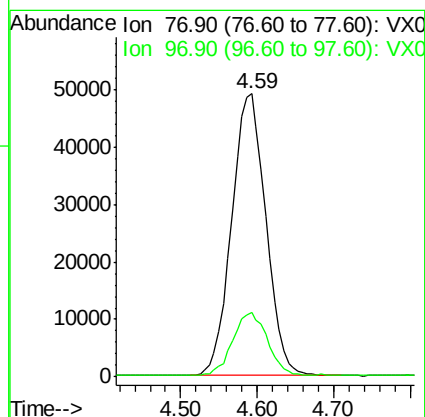
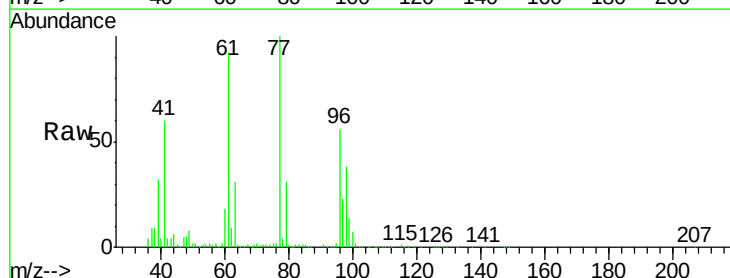
Acq: 24 May 2018 17:08

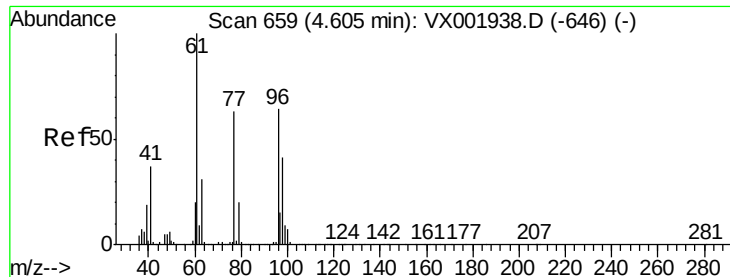
Tgt Ion: 77 Resp: 151805

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.5





#27

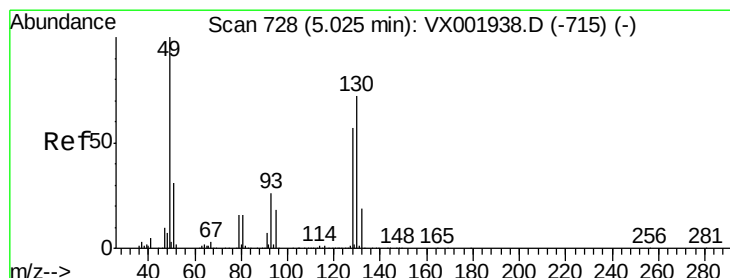
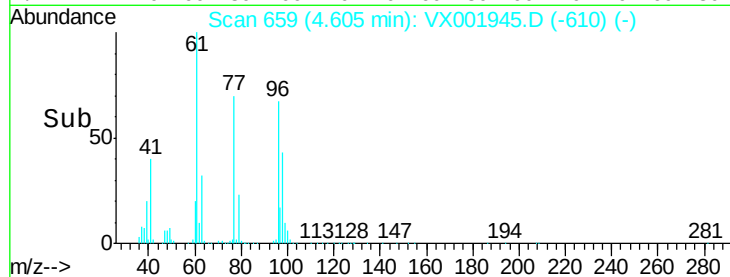
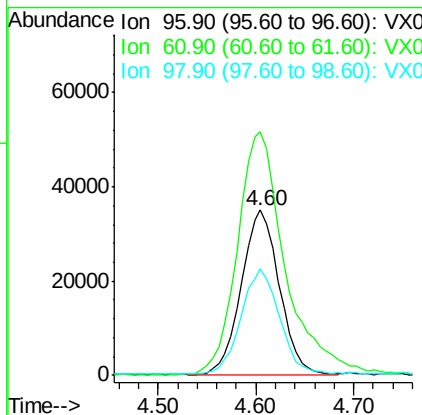
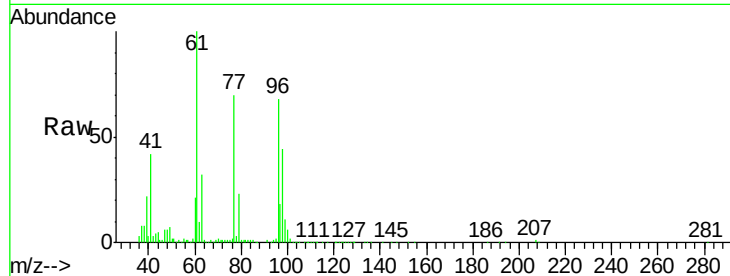
cis-1,2-Dichloroethene
Concen: 19.74 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	188.0	0.0	348.4
98	64.4	0.0	128.6

Manual Integrations
APPROVED

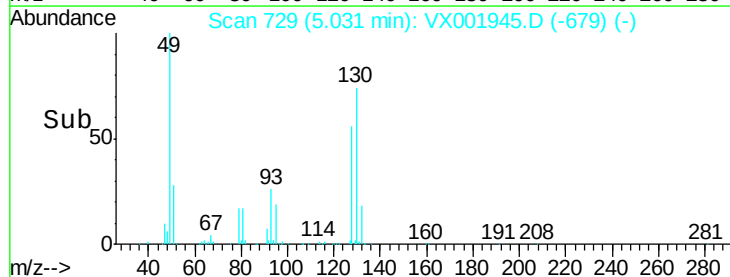
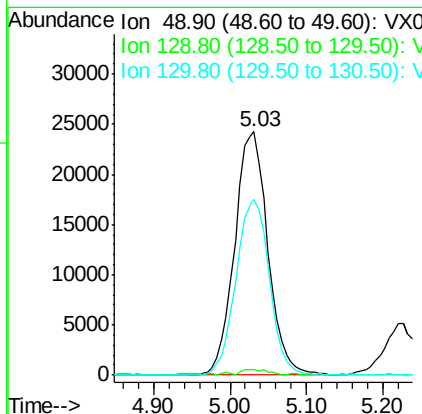
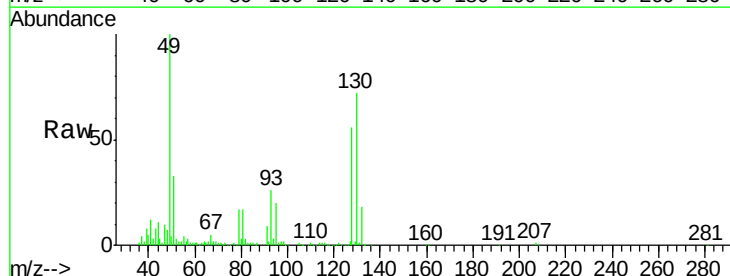
MMDadoda
5/25/2018 2:25:54 PM

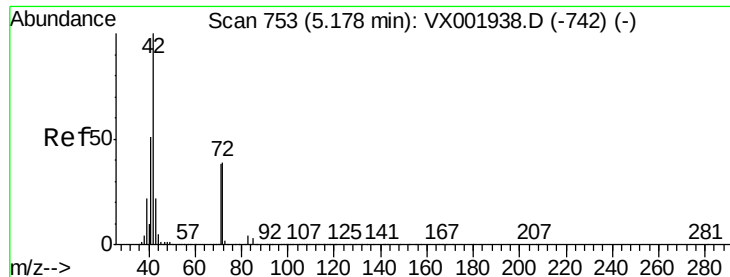


#28

Bromochloromethane
Concen: 22.06 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.01 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	73.6	59.4	89.2





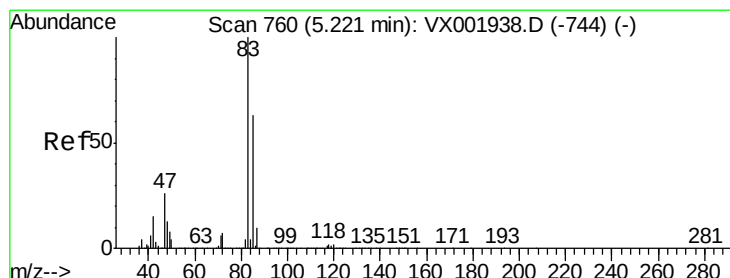
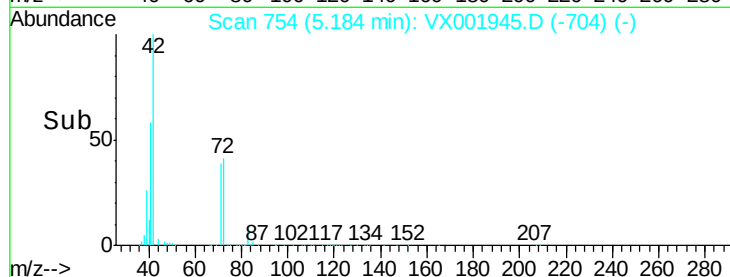
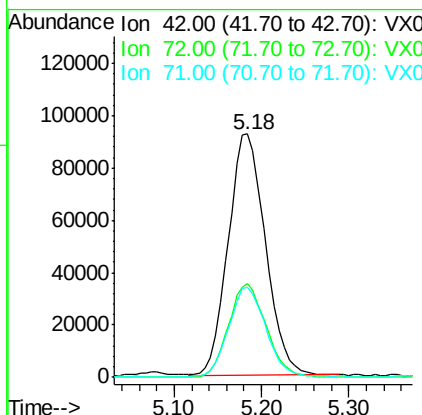
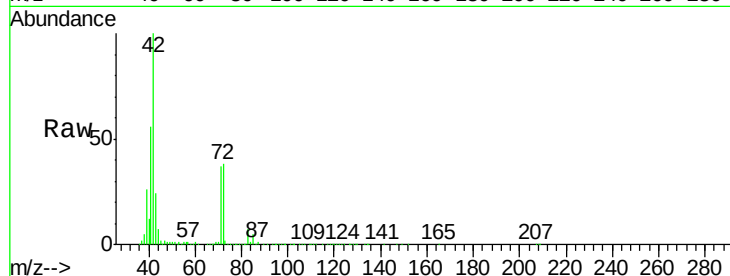
#29
Tetrahydrofuran
Concen: 105.54 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	272508		
72	39.0		31.4	47.0
71	37.3		29.5	44.3

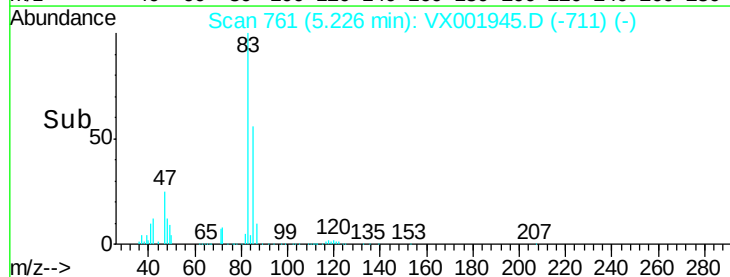
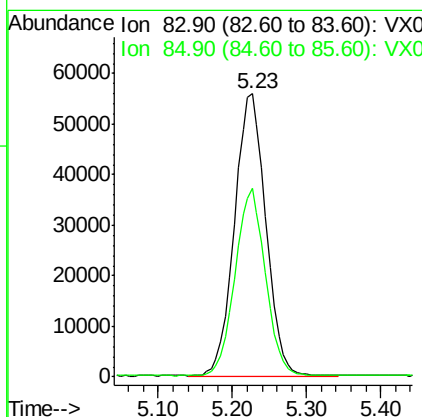
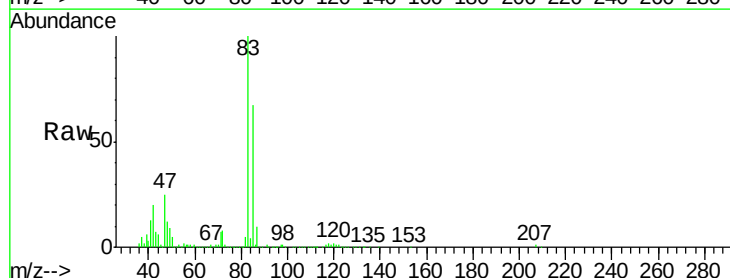
Manual Integrations
APPROVED

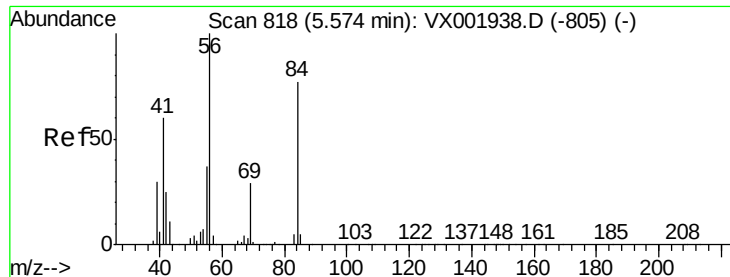
MMDadoda
5/25/2018 2:25:54 PM



#30
Chloroform
Concen: 19.70 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	164655		
85	66.3		50.9	76.3





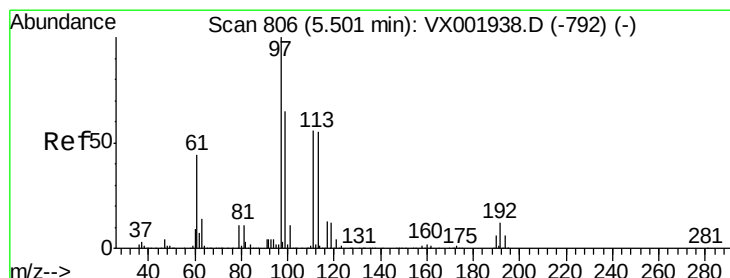
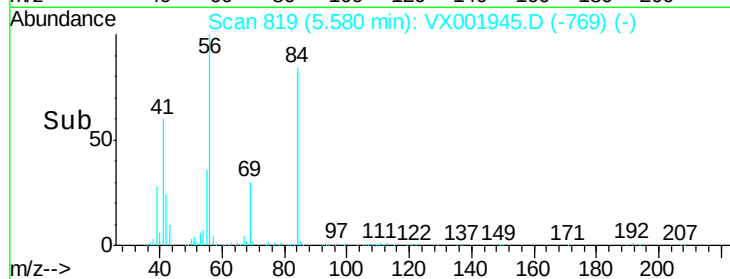
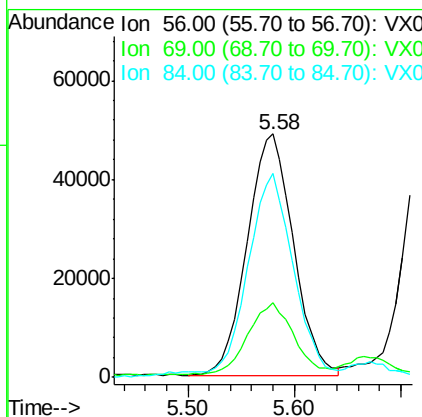
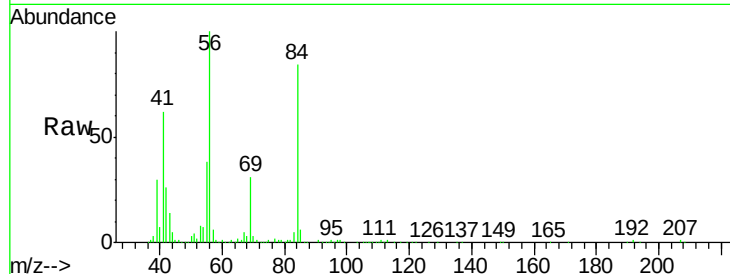
#31
Cyclohexane
Concen: 19.16 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.1	34.7
84	81.9	62.0	93.0

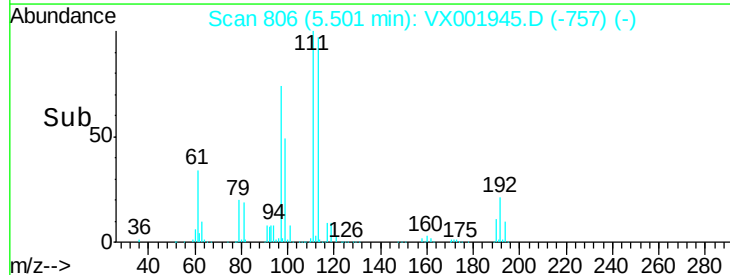
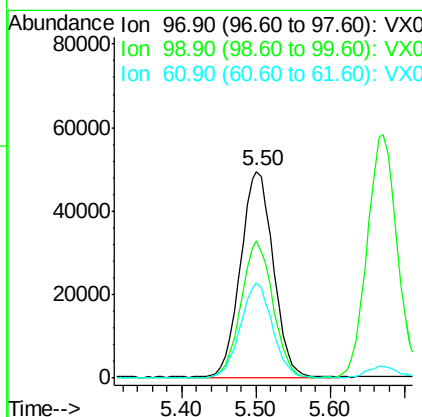
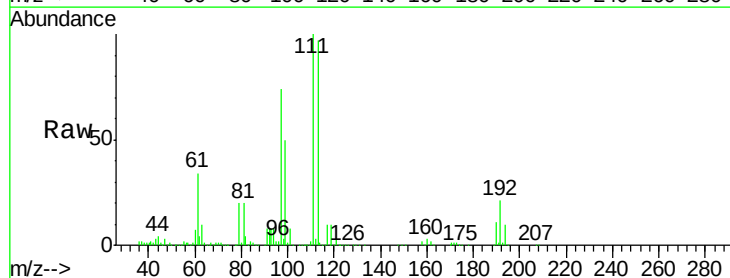
Manual Integrations
APPROVED

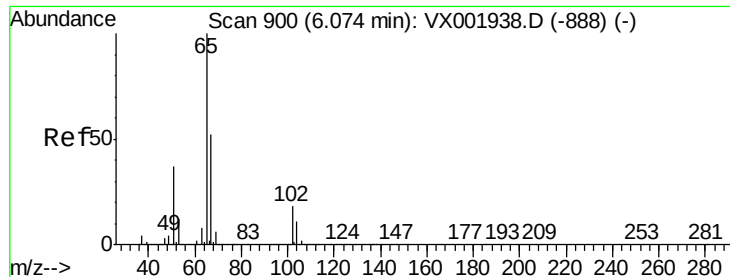
MMDadoda
5/25/2018 2:25:54 PM



#32
1,1,1-Trichloroethane
Concen: 19.48 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.9	77.9
61	45.2	35.9	53.9





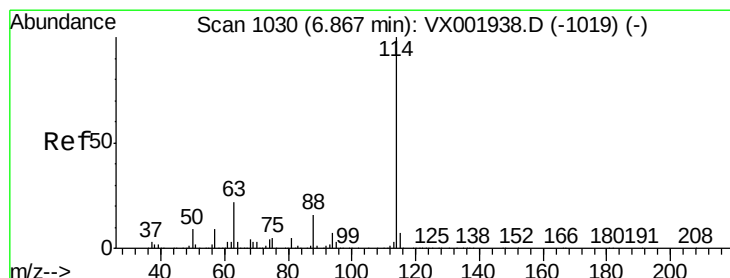
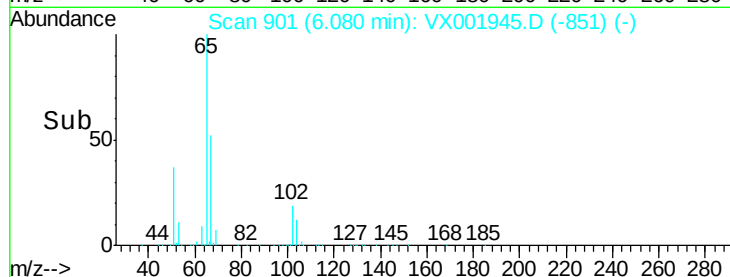
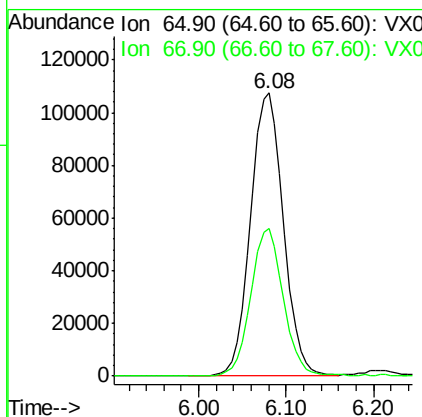
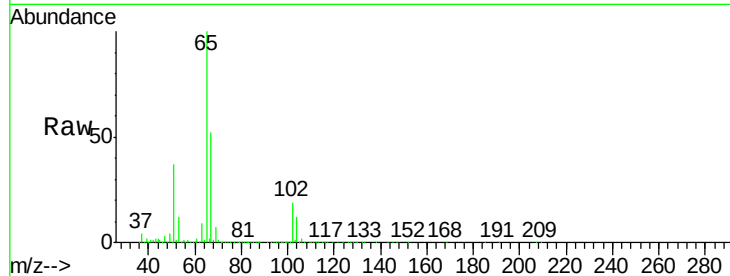
#33
 1,2-Dichloroethane-d4
 Concen: 49.82 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001945.D
 Acq: 24 May 2018 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	279539		
67	51.0	0.0	104.0	

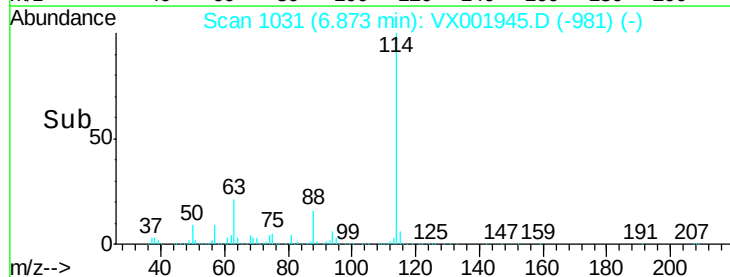
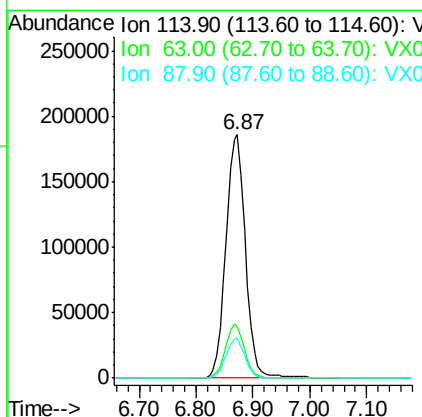
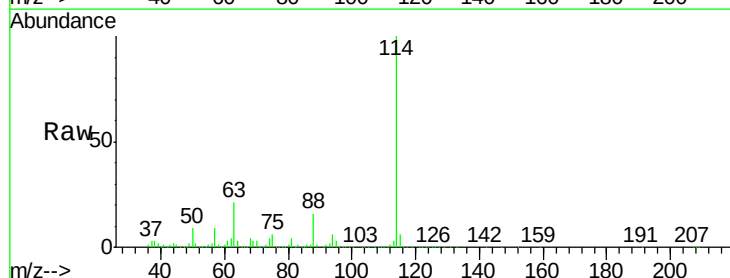
Manual Integrations
 APPROVED

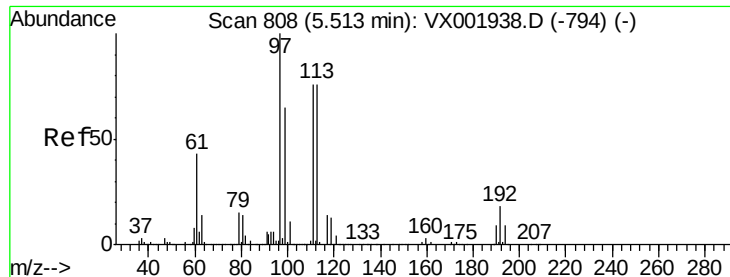
MMDadoda
 5/25/2018 2:25:54 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001945.D
 Acq: 24 May 2018 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	443650		
63	21.0	0.0	43.2	
88	16.2	0.0	31.6	





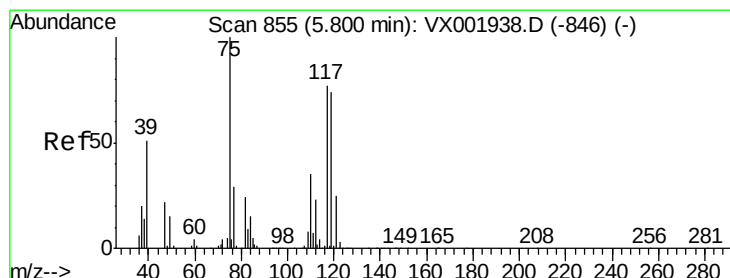
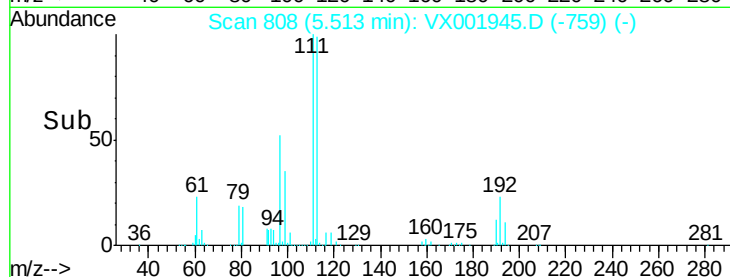
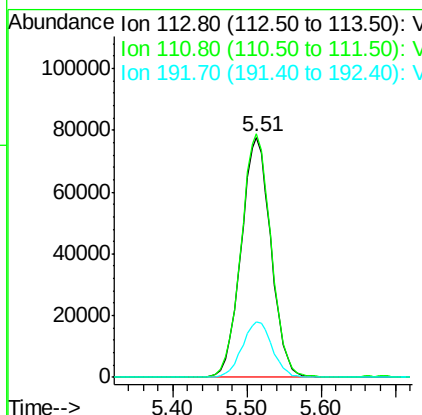
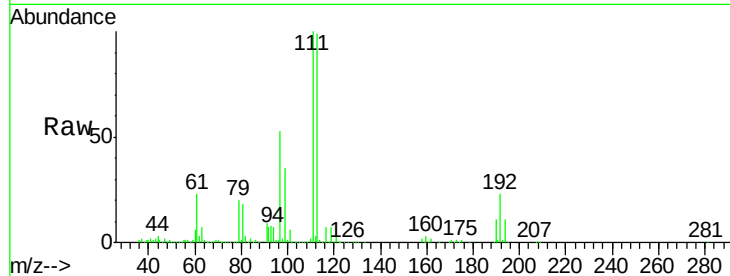
#35
 Dibromofluoromethane
 Concen: 49.02 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001945.D
 Acq: 24 May 2018 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	217466		
111	101.5	82.0	123.0	
192	23.4	18.9	28.3	

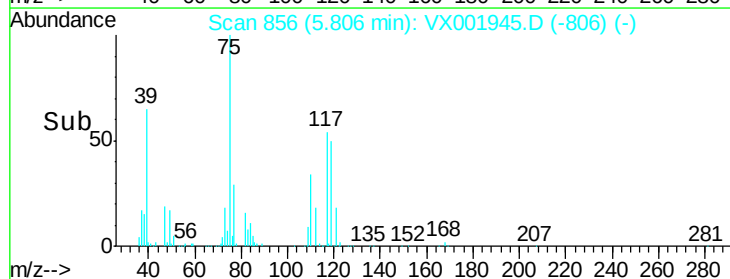
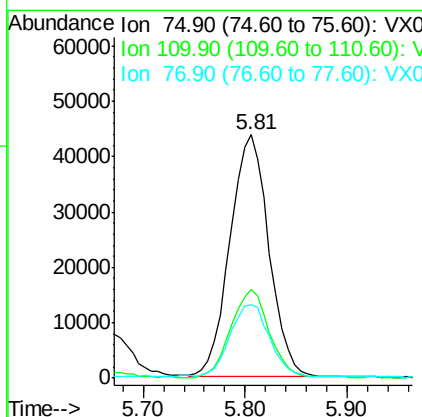
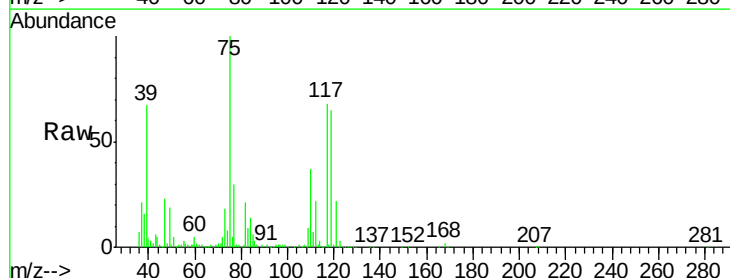
Manual Integrations
 APPROVED

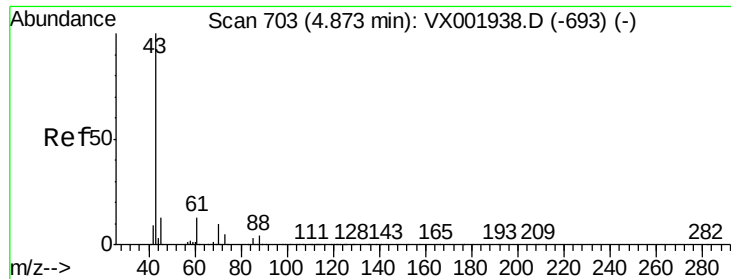
MMDadoda
 5/25/2018 2:25:54 PM



#36
 1,1-Dichloropropene
 Concen: 18.82 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VX001945.D
 Acq: 24 May 2018 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	116146		
110	35.9	17.4	52.2	
77	31.0	24.4	36.6	





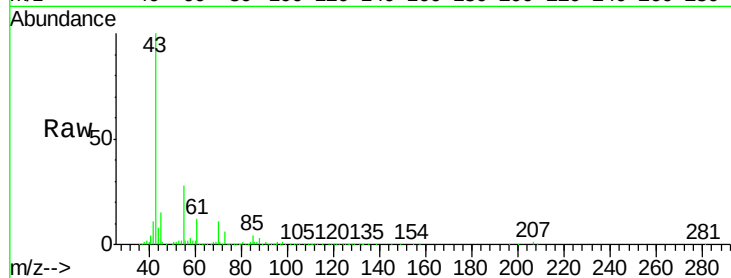
#37
Ethyl Acetate
Concen: 20.19 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.2	15.2
70	9.7	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:54 PM

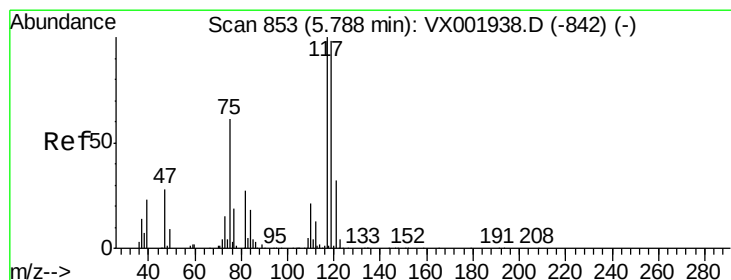
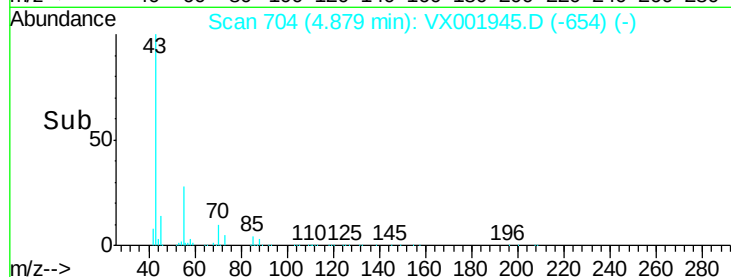
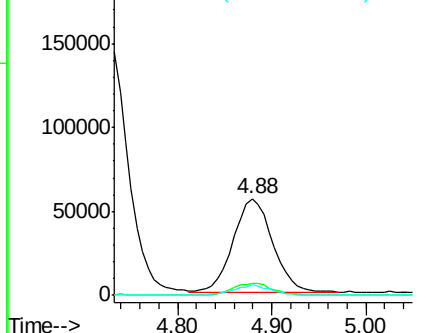


Abundance

Ion 43.00 (42.70 to 43.70): VX001938.D (-693) (-)

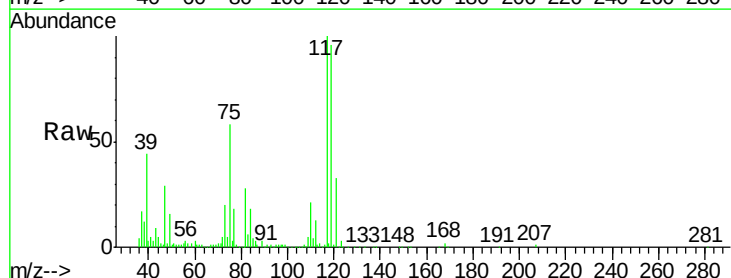
Ion 60.90 (60.60 to 61.60): VX001938.D (-693) (-)

Ion 70.00 (69.70 to 70.70): VX001938.D (-693) (-)



#38
Carbon Tetrachloride
Concen: 19.31 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.5	117.7
121	32.8	25.5	38.3

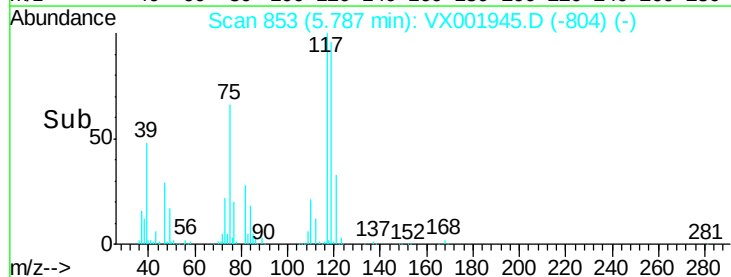
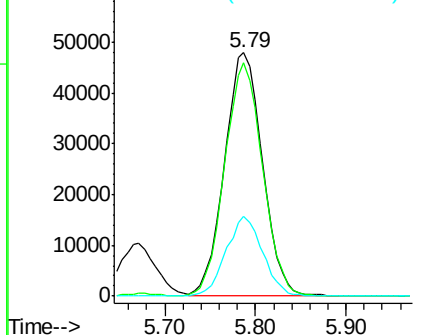


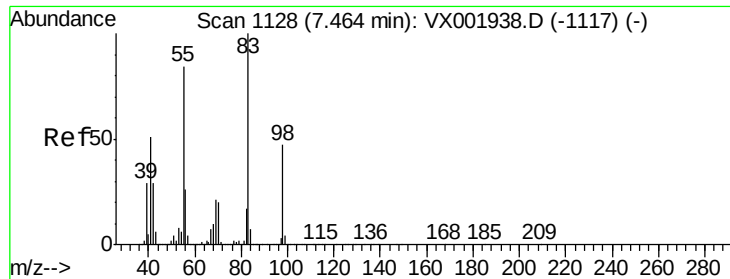
Abundance

Ion 116.80 (116.50 to 117.50): VX001938.D (-842) (-)

Ion 118.80 (118.50 to 119.50): VX001938.D (-842) (-)

Ion 120.80 (120.50 to 121.50): VX001938.D (-842) (-)





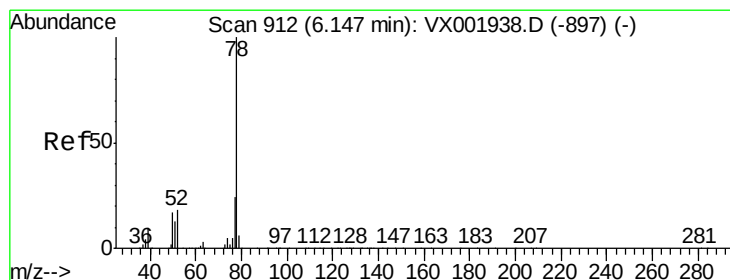
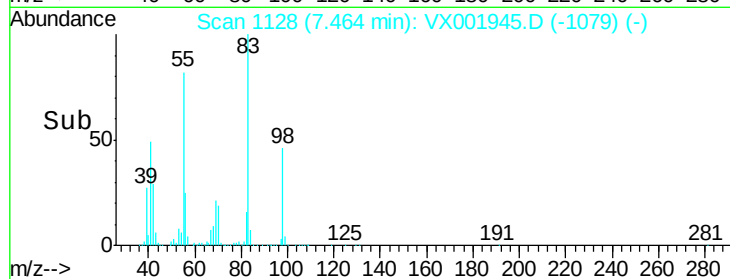
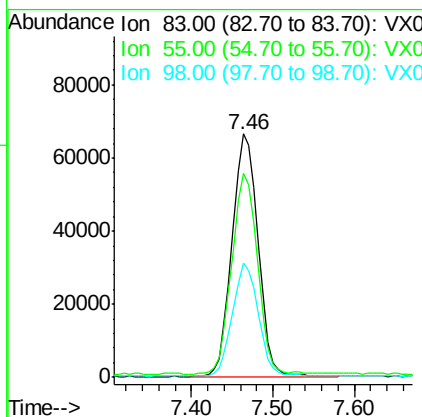
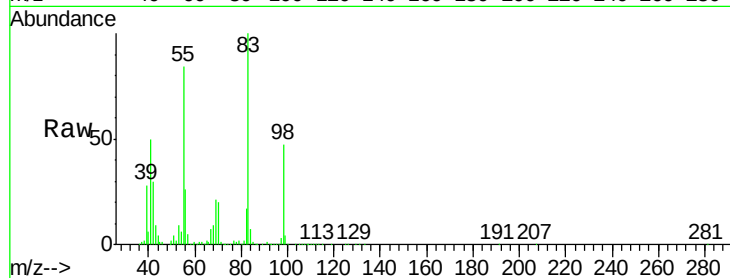
#39
Methylvlcyclohexane
Concen: 19.20 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.7	67.3	100.9
98	46.5	37.5	56.3

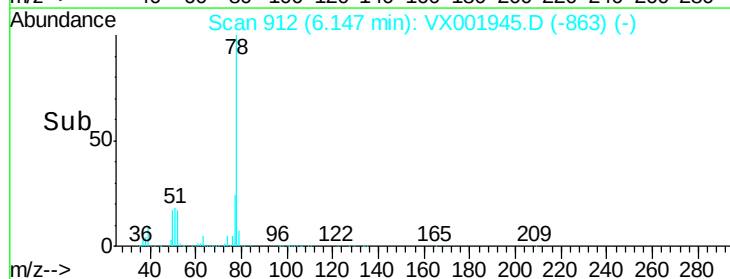
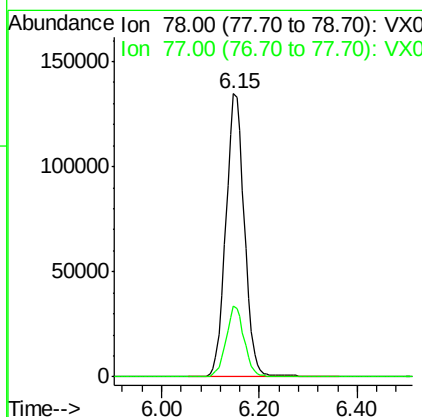
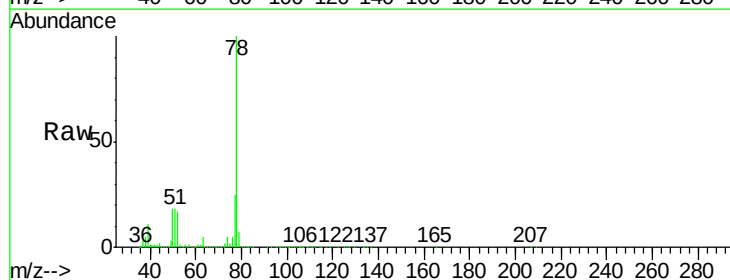
Manual Integrations
APPROVED

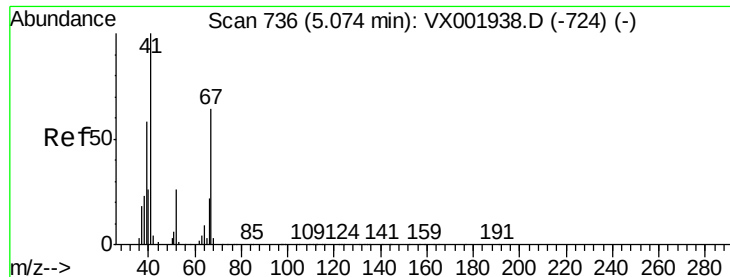
MMDadoda
5/25/2018 2:25:54 PM



#40
Benzene
Concen: 19.53 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.1	28.7





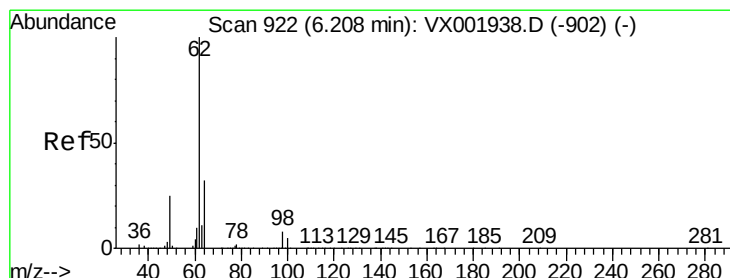
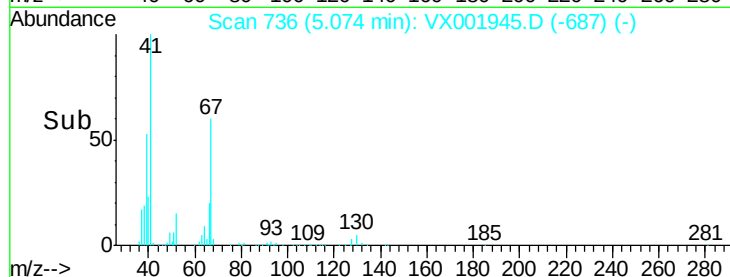
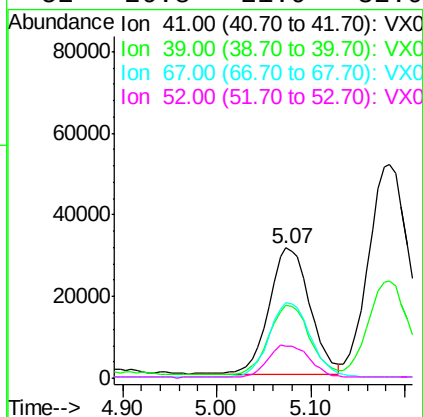
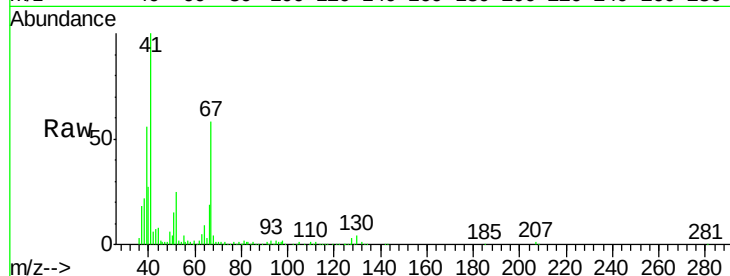
#41
Methacrylonitrile
Concen: 21.02 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.5	46.0	69.0	
67	60.6	50.6	75.8	
52	26.8	21.9	32.9	

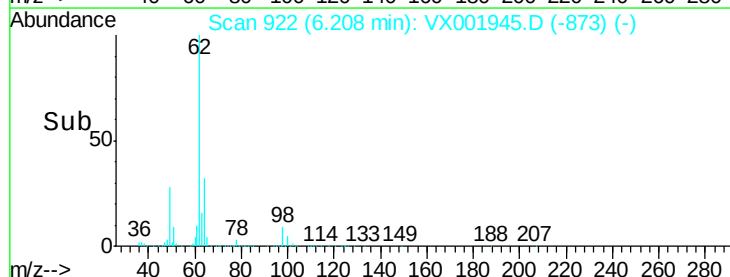
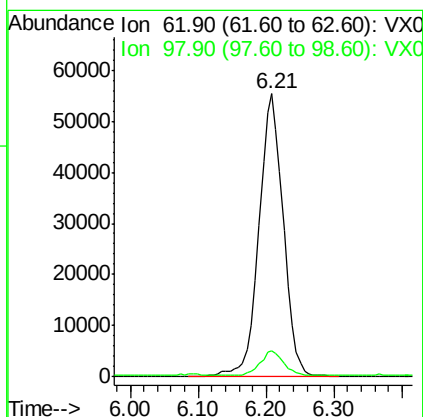
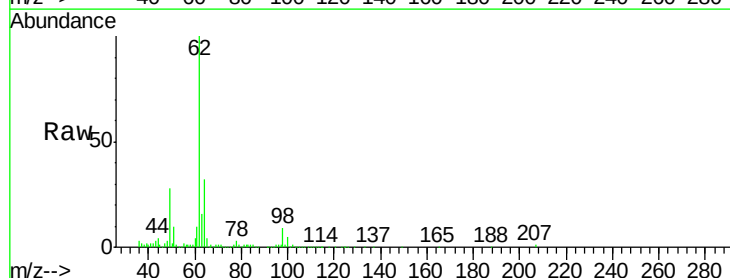
Manual Integrations
APPROVED

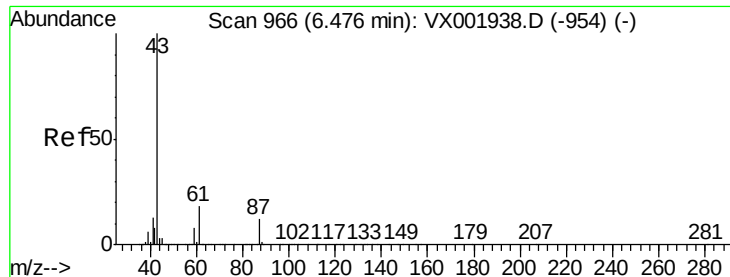
MMDadoda
5/25/2018 2:25:54 PM



#42
1,2-Dichloroethane
Concen: 19.13 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	17.0	





#43

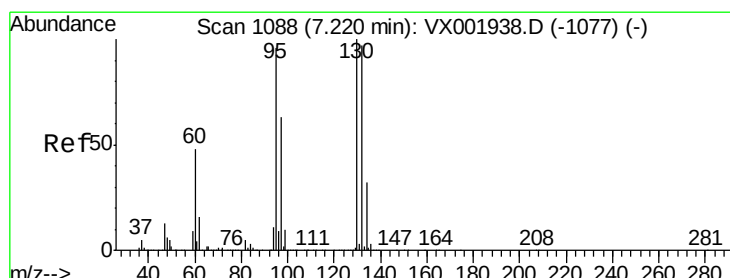
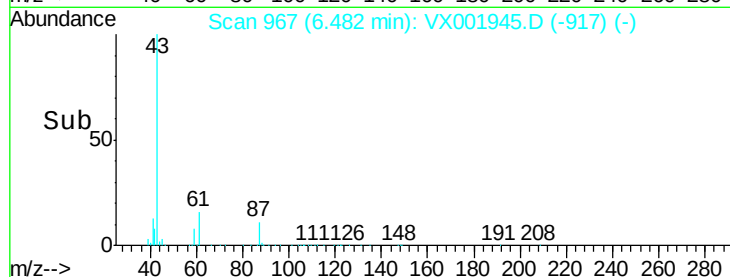
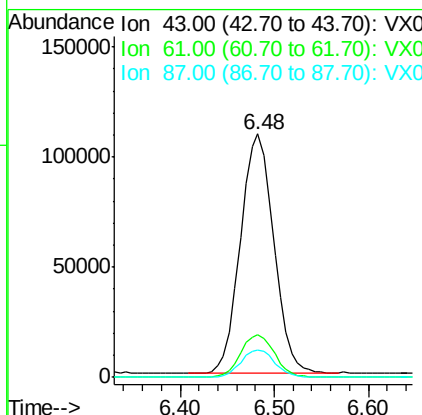
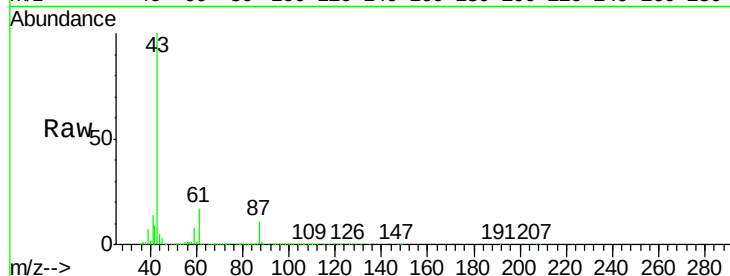
Isopropyl Acetate
 Concen: 20.13 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX001945.D
 Acq: 24 May 2018 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	43	100	269867		
61	61	18.2		14.5	21.7
87	87	11.7		9.5	14.3

Manual Integrations
 APPROVED

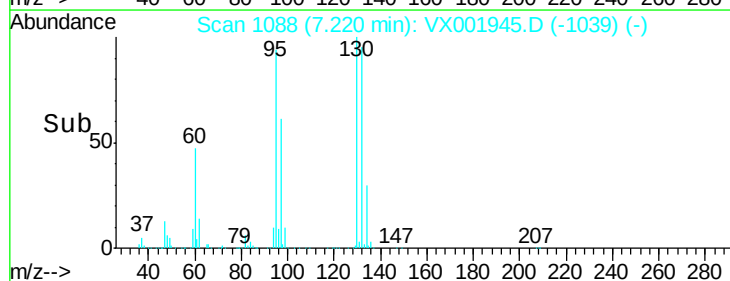
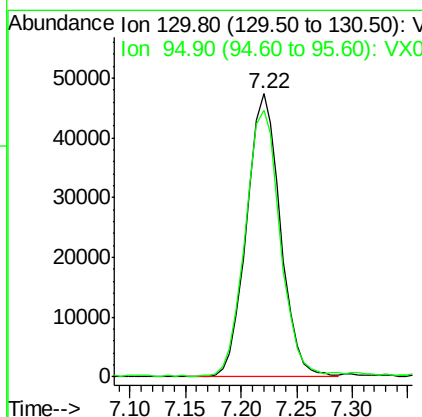
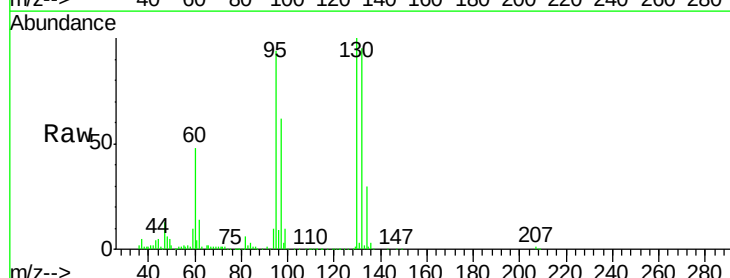
MMDadoda
 5/25/2018 2:25:54 PM

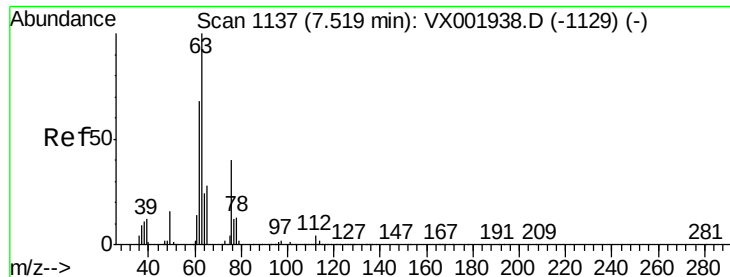


#44

Trichloroethene
 Concen: 19.04 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001945.D
 Acq: 24 May 2018 17:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
130	130	100	100314		
95	95	93.9		0.0	192.0





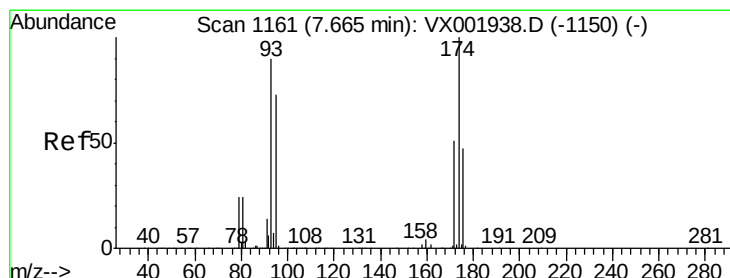
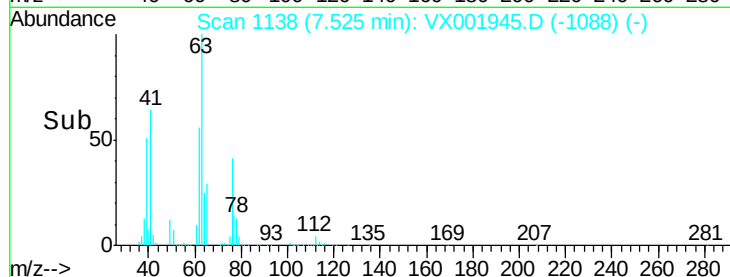
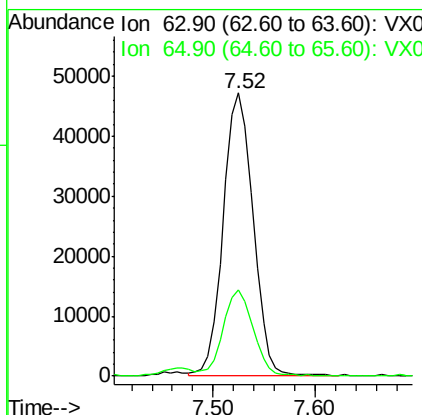
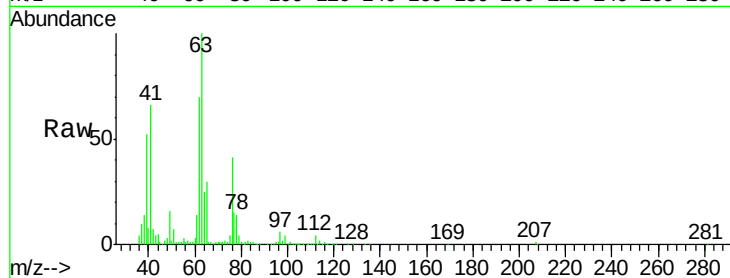
#45
 1,2-Dichloropropane
 Concen: 19.40 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VX001945.D
 Acq: 24 May 2018 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.1	36.1

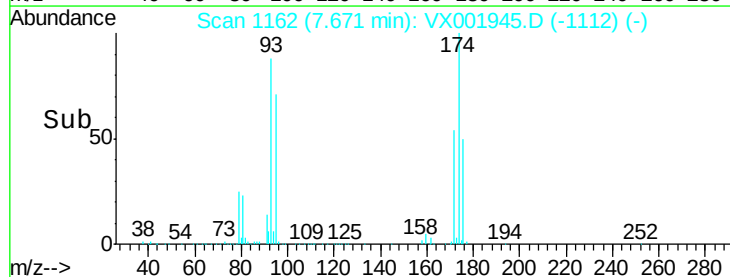
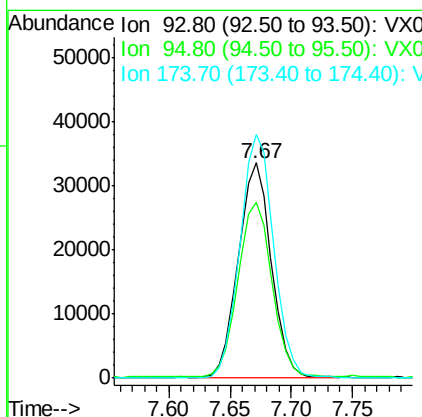
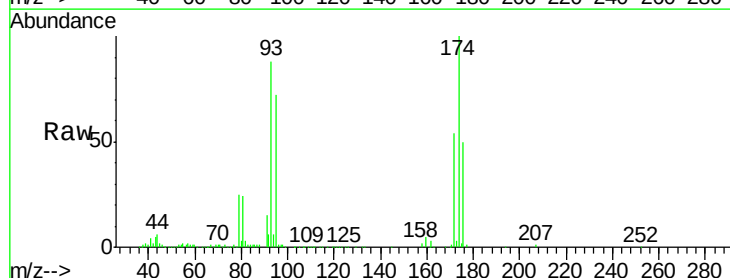
Manual Integrations
 APPROVED

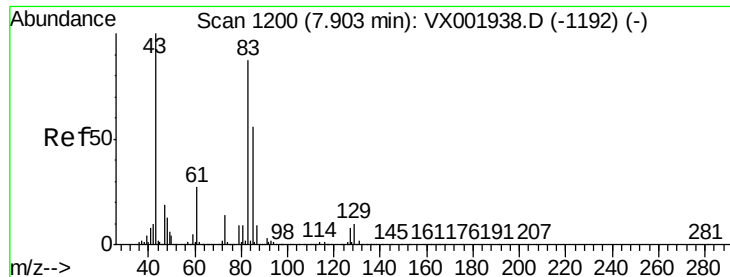
MMDadoda
 5/25/2018 2:25:54 PM



#46
 Dibromomethane
 Concen: 19.28 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VX001945.D
 Acq: 24 May 2018 17:08

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.1	99.1
174	116.4	92.5	138.7





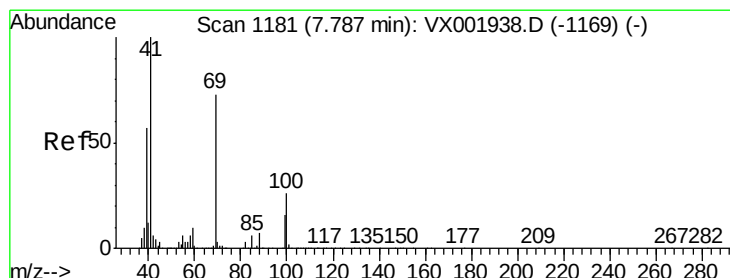
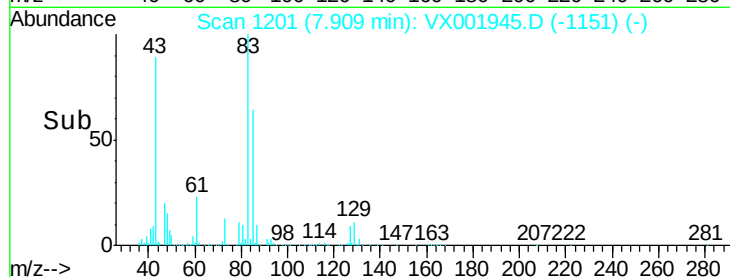
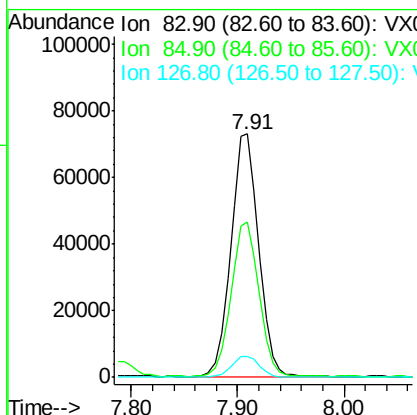
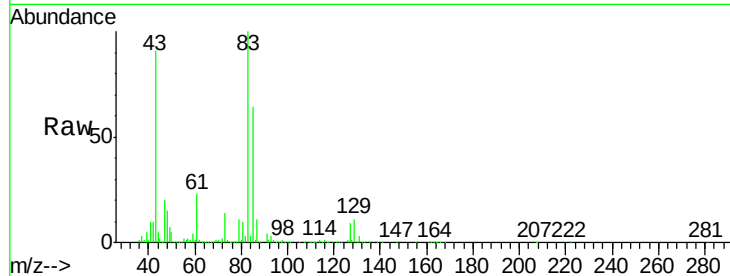
#47
 Bromodichloromethane
 Concen: 19.12 ug/l
 RT: 7.91 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VX001945.D
 Acq: 24 May 2018 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	132553		
85	63.6	51.4	77.2	
127	8.6	7.1	10.7	

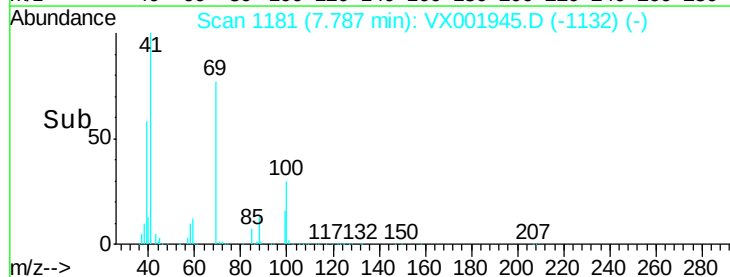
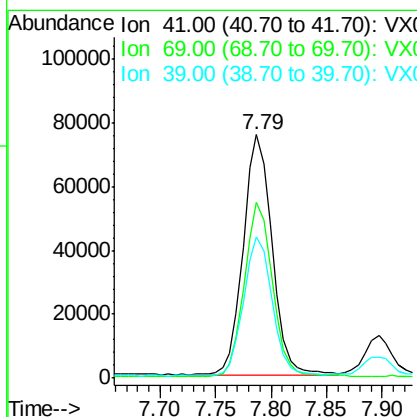
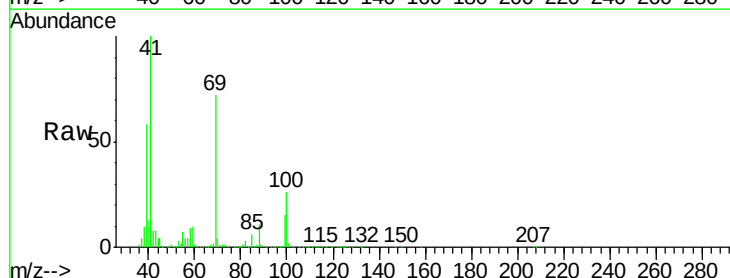
Manual Integrations
 APPROVED

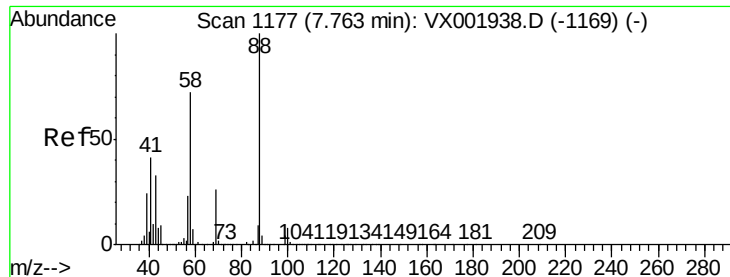
MMDadoda
 5/25/2018 2:25:54 PM



#48
 Methyl methacrylate
 Concen: 19.83 ug/l
 RT: 7.79 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VX001945.D
 Acq: 24 May 2018 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	135269		
69	71.5	58.6	87.8	
39	57.0	46.3	69.5	





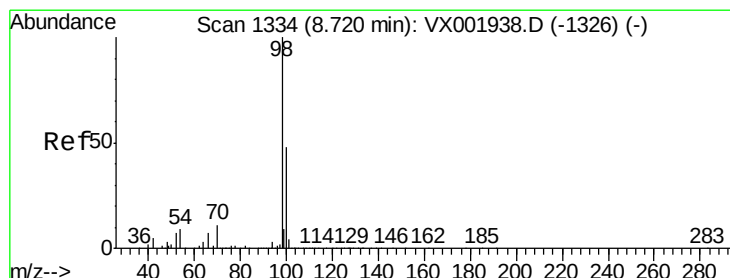
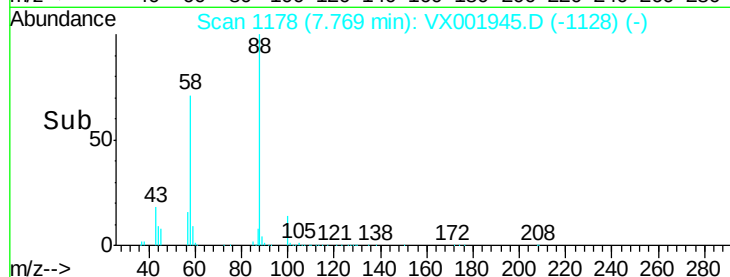
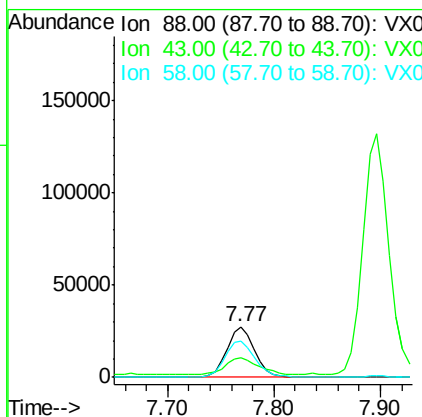
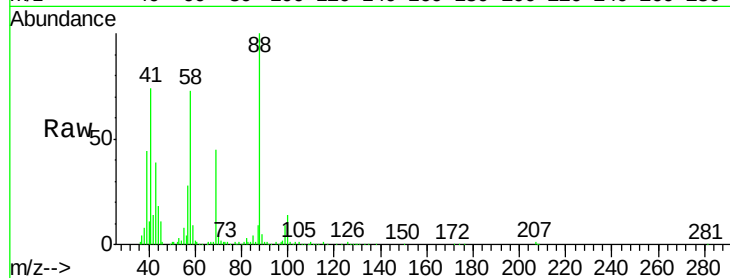
#49
1,4-Dioxane
Concen: 418.24 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.3	29.8	44.8
58	75.6	58.7	88.1

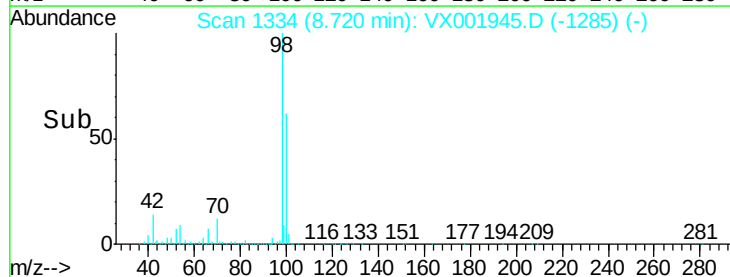
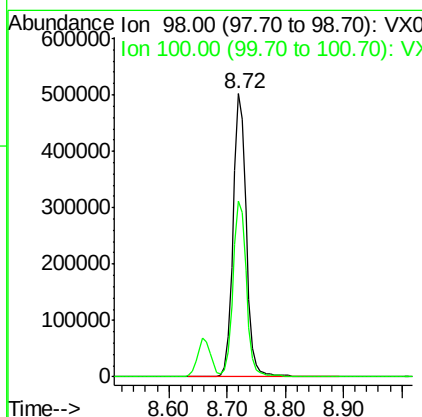
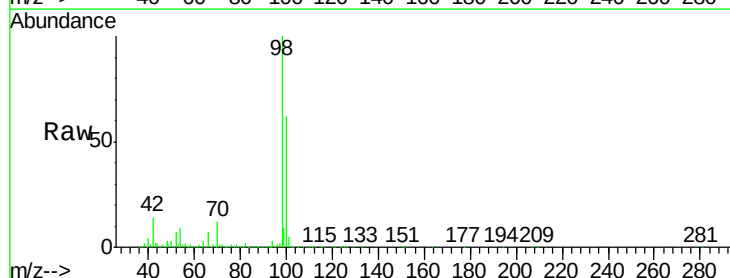
Manual Integrations
APPROVED

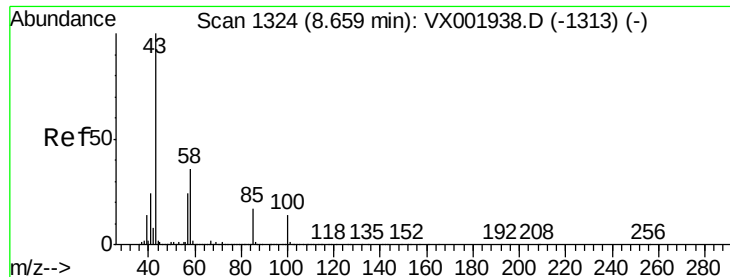
MMDadoda
5/25/2018 2:25:54 PM



#50
Toluene-d8
Concen: 49.46 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 103.93 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 43 Resp: 839856

Ion Ratio Lower Upper

43 100

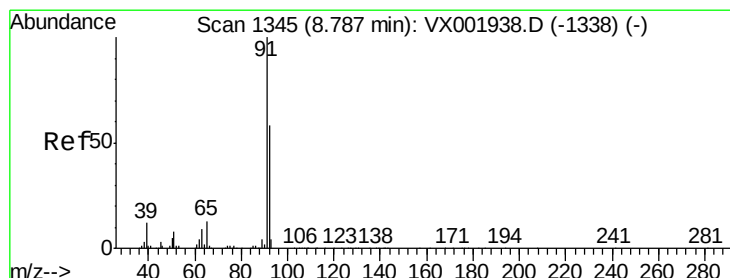
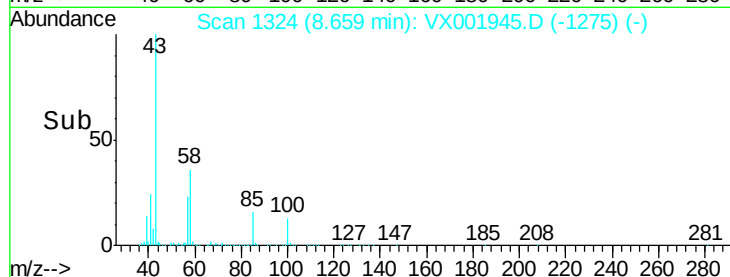
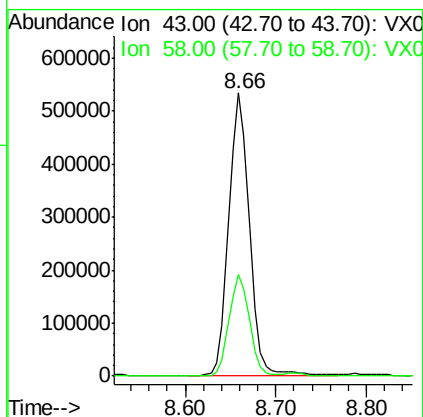
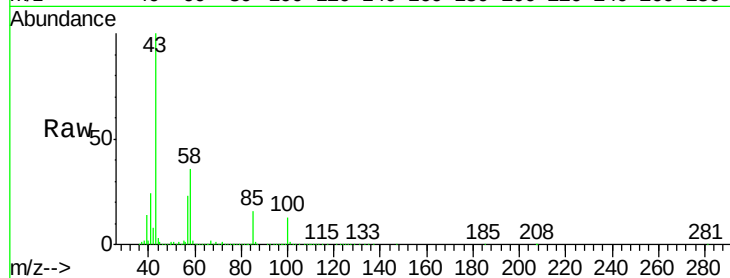
58 35.2 28.5 42.7

Manual Integrations

APPROVED

MMDadoda

5/25/2018 2:25:54 PM



#52

Toluene

Concen: 19.22 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX001945.D

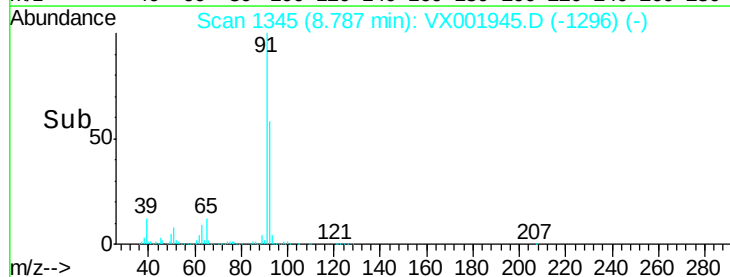
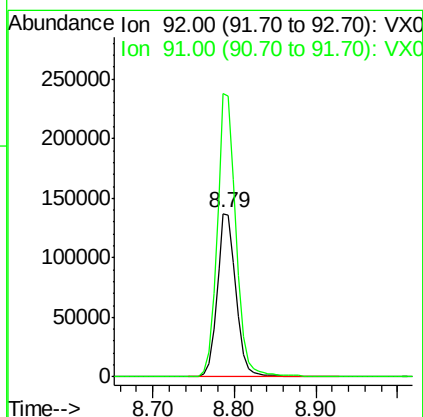
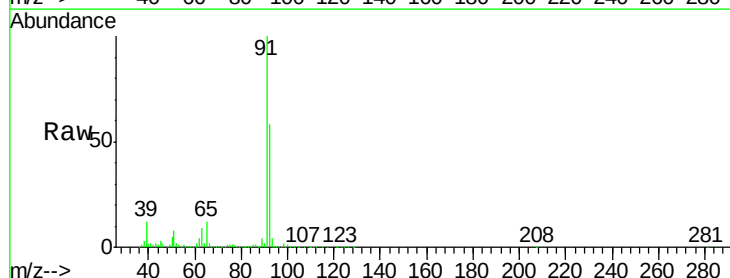
Acq: 24 May 2018 17:08

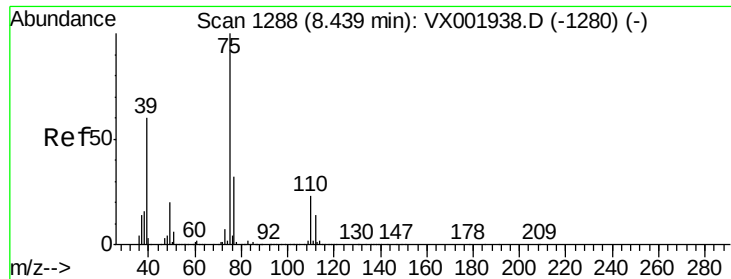
Tgt Ion: 92 Resp: 221142

Ion Ratio Lower Upper

92 100

91 173.4 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 19.66 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 75 Resp: 156963

Ion Ratio Lower Upper

75 100

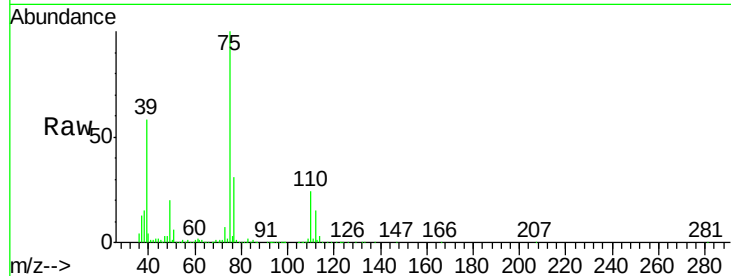
77 30.8 25.5 38.3

Manual Integrations

APPROVED

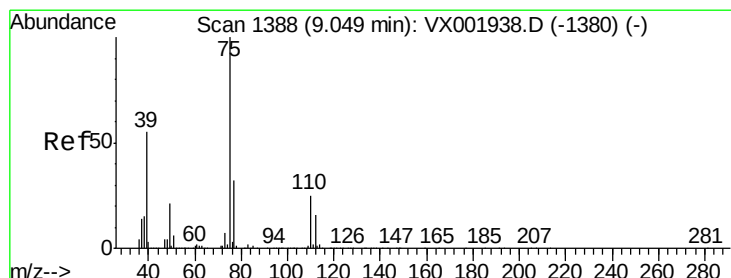
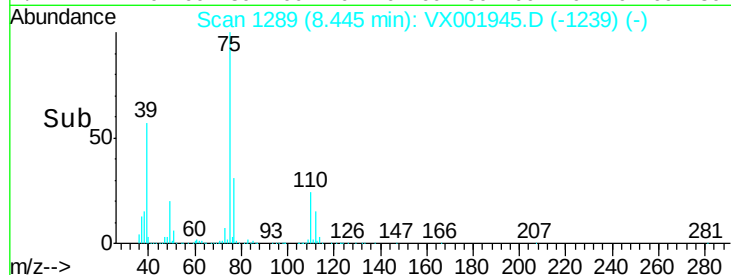
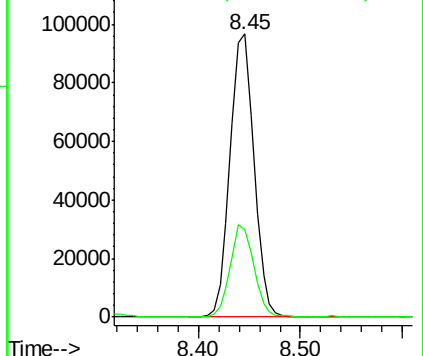
MMDadoda

5/25/2018 2:25:54 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.36 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

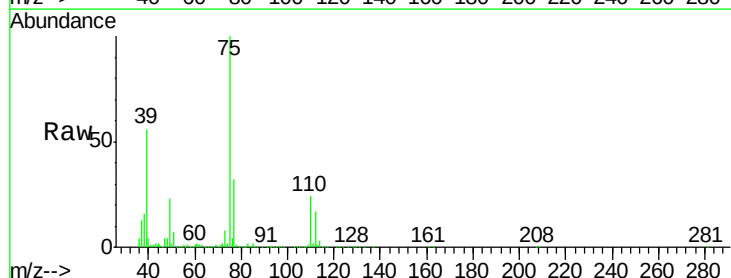
Tgt Ion: 75 Resp: 150568

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

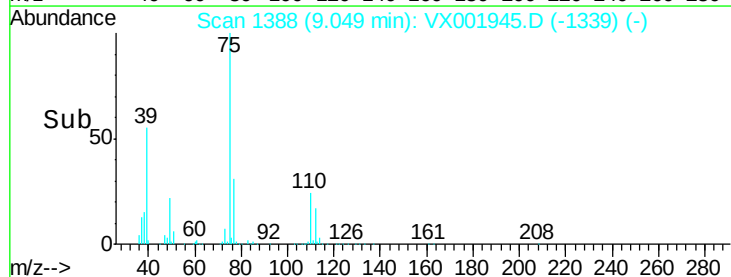
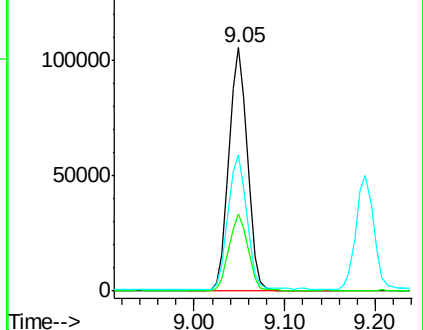
39 55.0 44.1 66.1

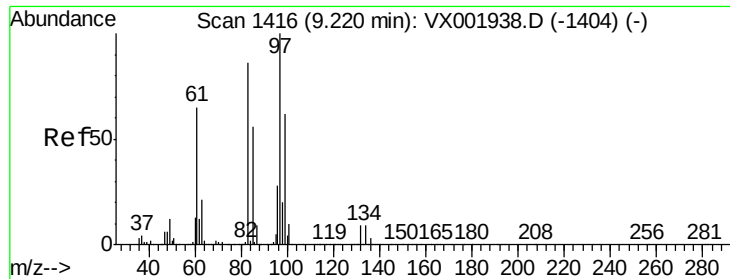


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





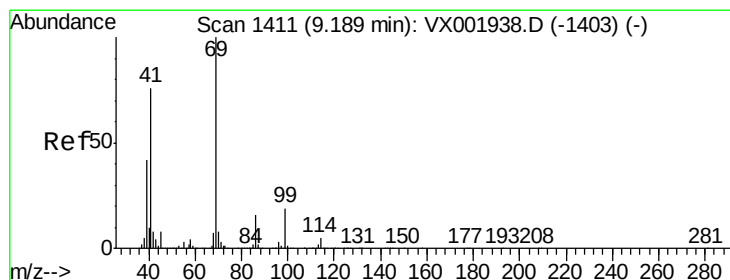
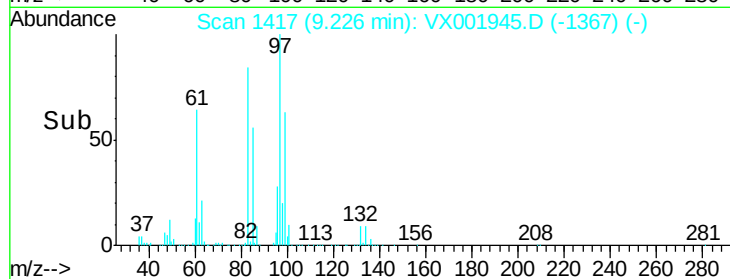
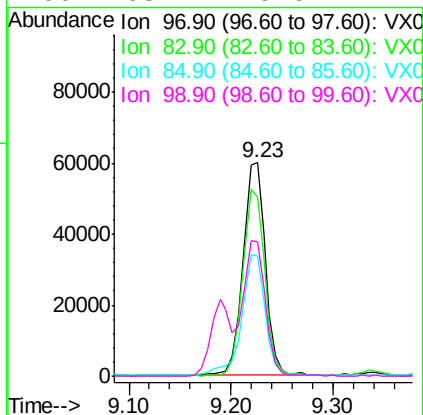
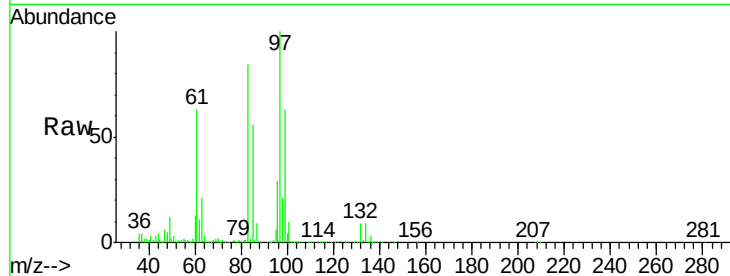
#55
 1,1,2-Trichloroethane
 Concen: 18.95 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VX001945.D
 Acq: 24 May 2018 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Tot Ion:	97	Resp:	91082
Ion	Ratio	Lower	Upper
97	100		
83	83.9	69.1	103.7
85	55.8	45.2	67.8
99	63.2	49.6	74.4

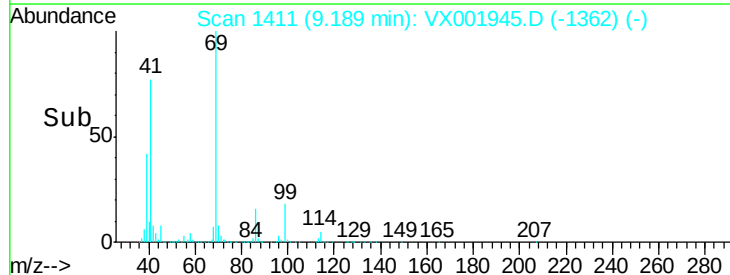
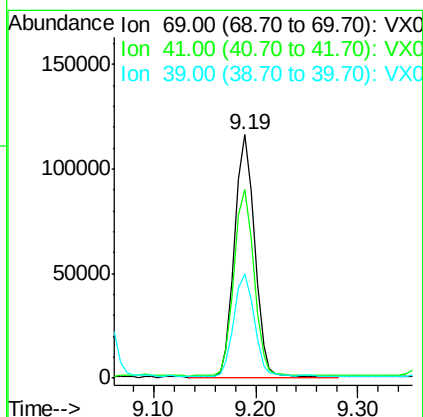
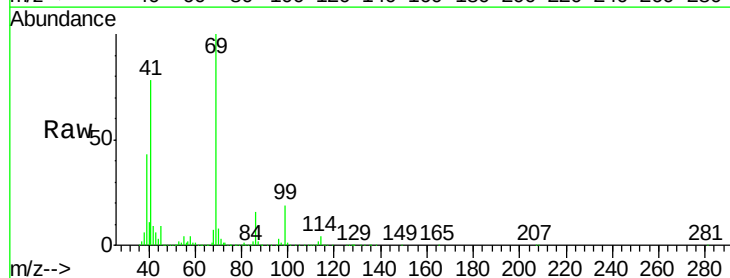
Manual Integrations
 APPROVED

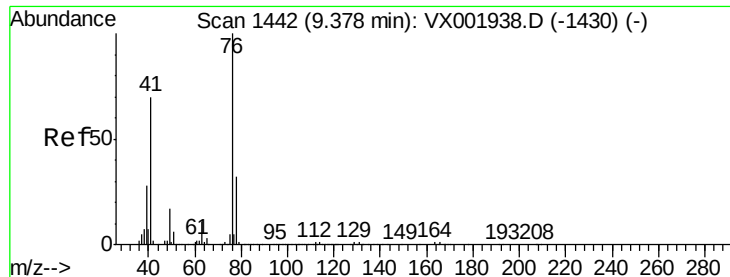
MMDadoda
 5/25/2018 2:25:54 PM



#56
 Ethyl methacrylate
 Concen: 19.09 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001945.D
 Acq: 24 May 2018 17:08

Tgt Ion:	69	Resp:	157811
Ion	Ratio	Lower	Upper
69	100		
41	76.6	61.0	91.6
39	42.7	34.4	51.6





#57

1,3-Dichloropropane

Concen: 19.36 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion: 76 Resp: 153328

Ion Ratio Lower Upper

76 100

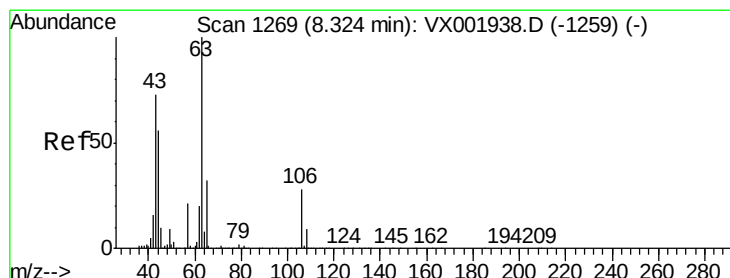
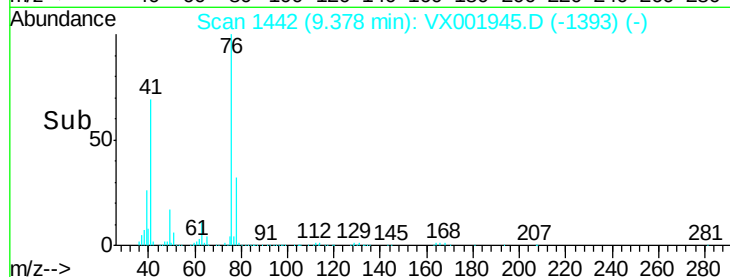
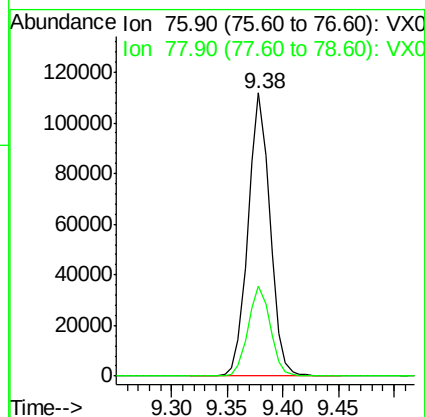
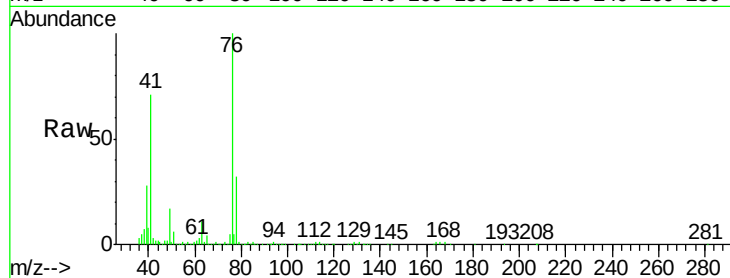
78 32.0 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

5/25/2018 2:25:54 PM



#58

2-Chloroethyl Vinyl ether

Concen: 96.45 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX001945.D

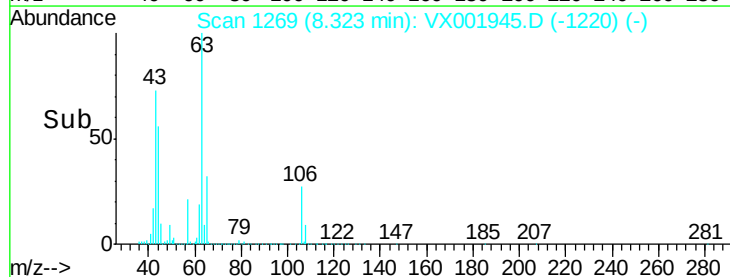
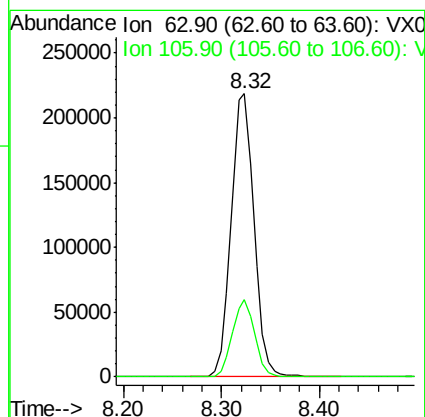
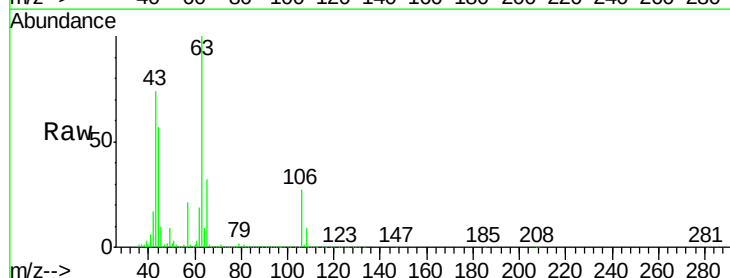
Acq: 24 May 2018 17:08

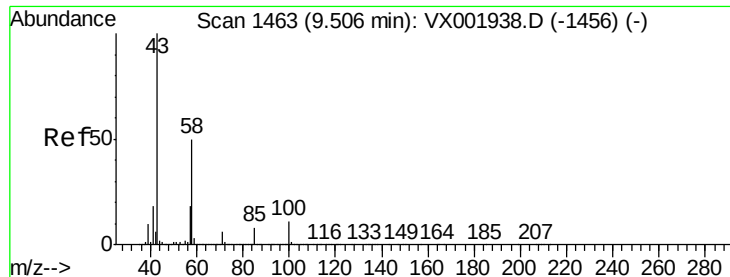
Tgt Ion: 63 Resp: 353406

Ion Ratio Lower Upper

63 100

106 26.8 21.7 32.5





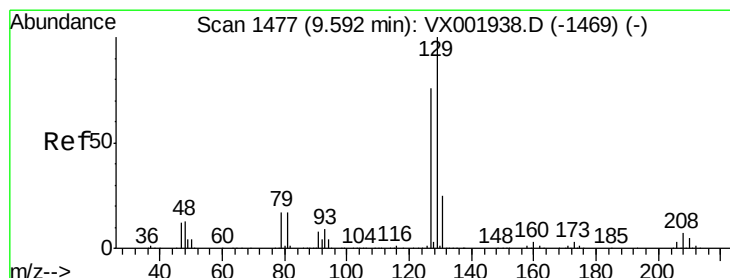
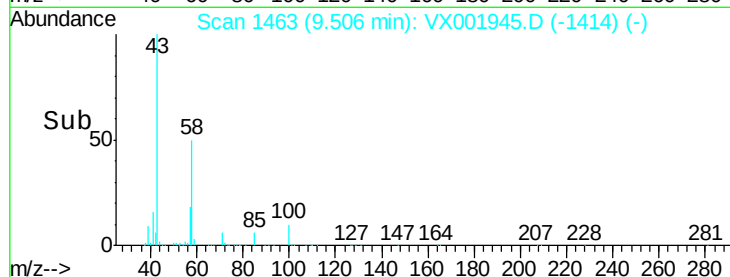
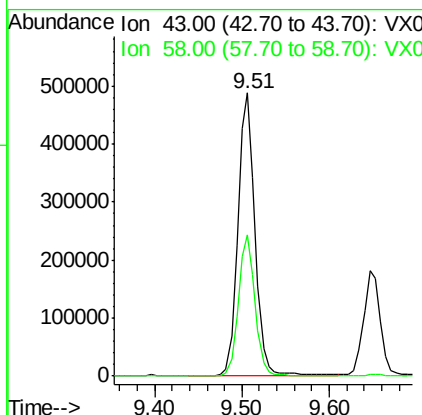
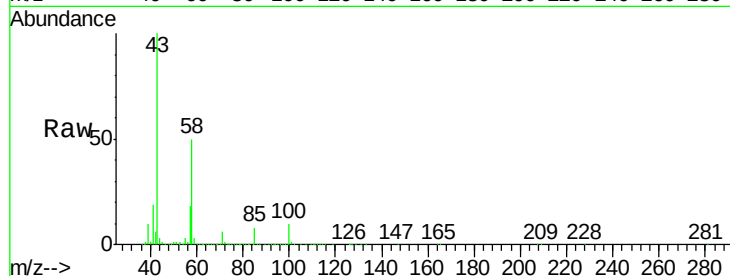
#59
2-Hexanone
Concen: 106.10 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion: 43 Resp: 661072
Ion Ratio Lower Upper
43 100
58 49.0 24.9 74.6

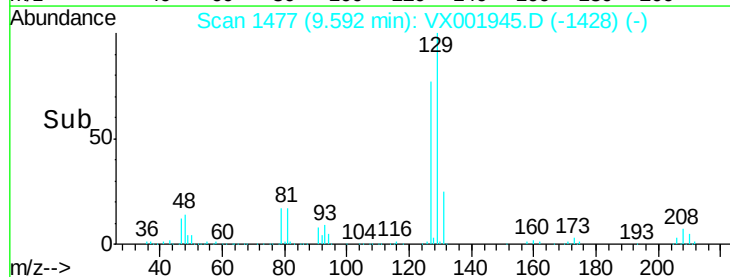
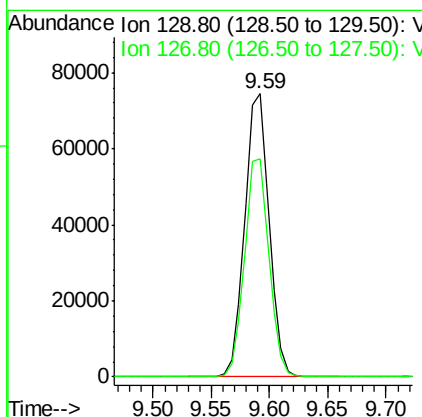
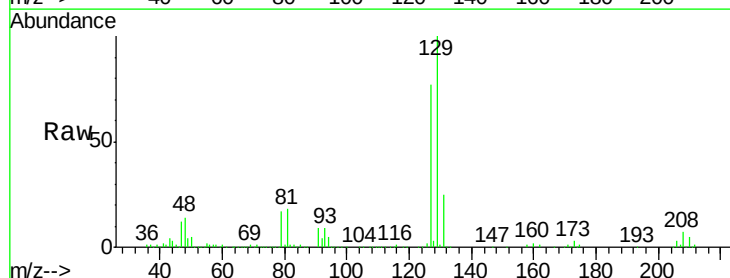
Manual Integrations
APPROVED

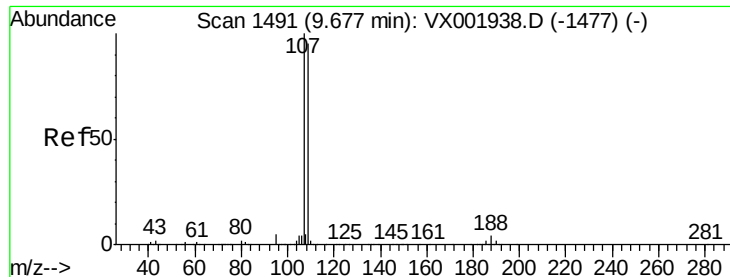
MMDadoda
5/25/2018 2:25:54 PM



#60
Dibromochloromethane
Concen: 19.30 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Tgt Ion: 129 Resp: 109898
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.9





#61

1,2-Dibromoethane

Concen: 19.44 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion:107 Resp: 98043

Ion Ratio Lower Upper

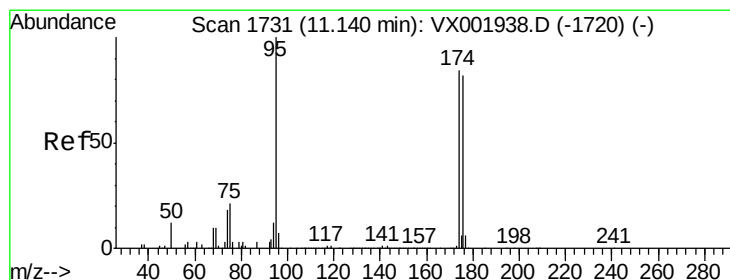
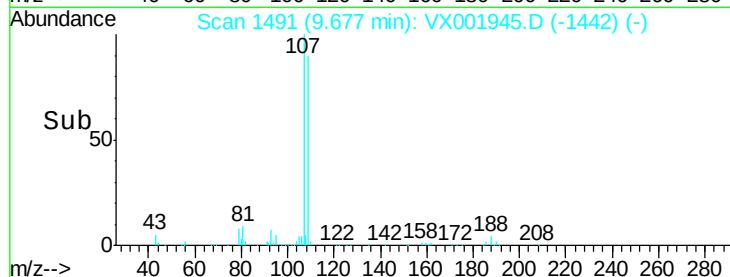
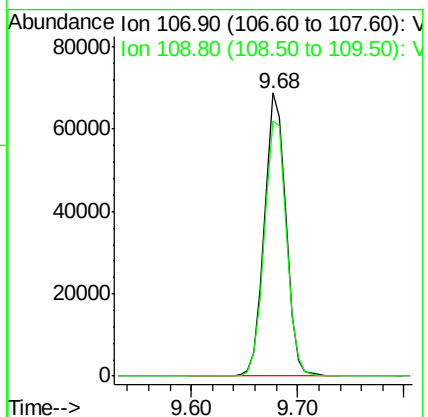
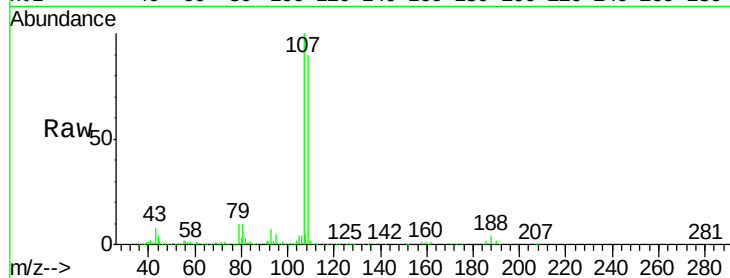
107 100

109 92.3 75.3 112.9

Manual Integrations
APPROVED

MMDadoda

5/25/2018 2:25:54 PM



#62

4-Bromofluorobenzene

Concen: 47.99 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

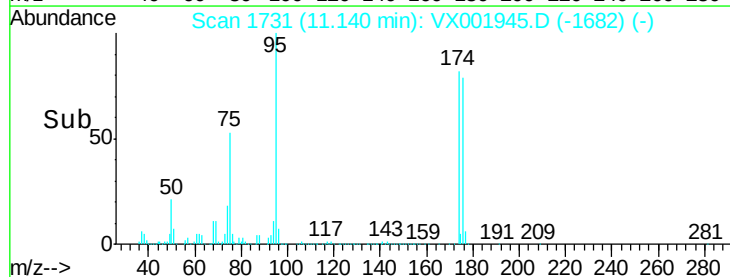
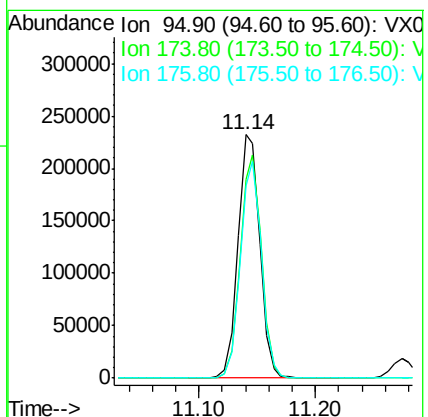
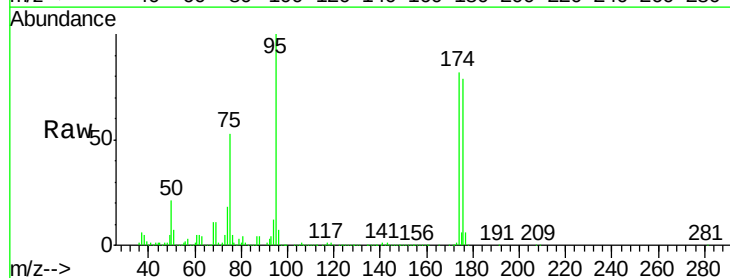
Tgt Ion: 95 Resp: 301568

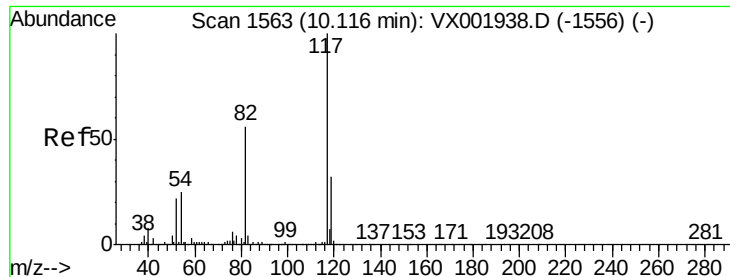
Ion Ratio Lower Upper

95 100

174 89.5 0.0 178.8

176 86.9 0.0 175.6





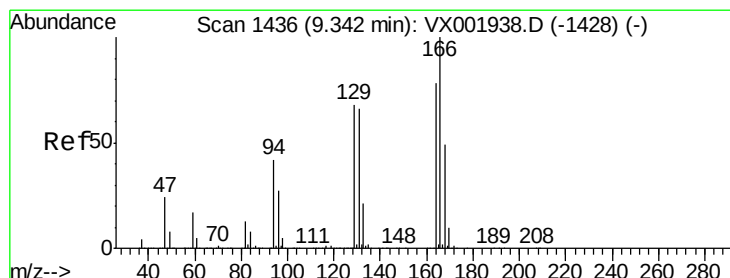
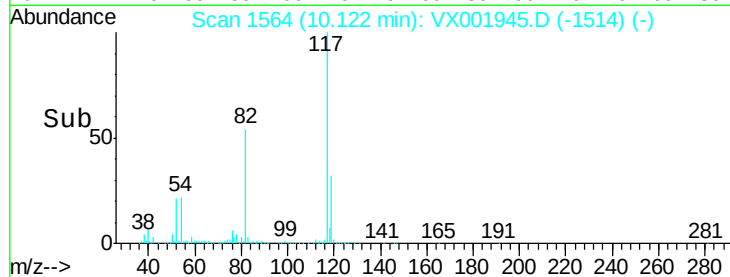
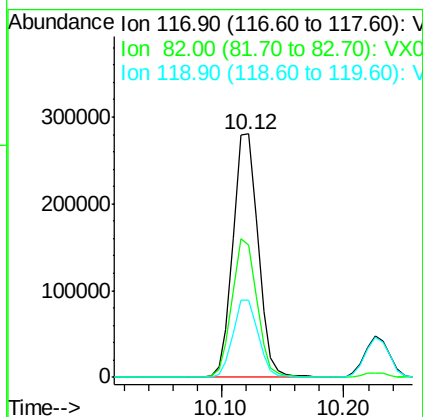
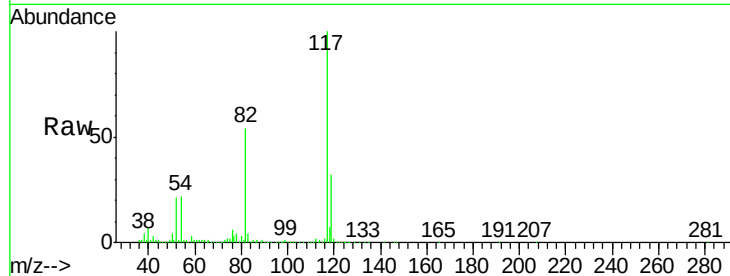
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	399759		
82	54.2		44.8	67.2
119	31.8		25.5	38.3

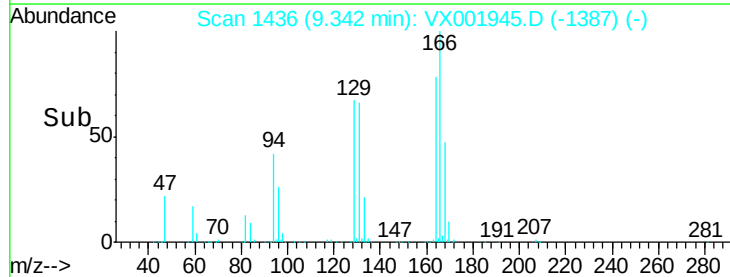
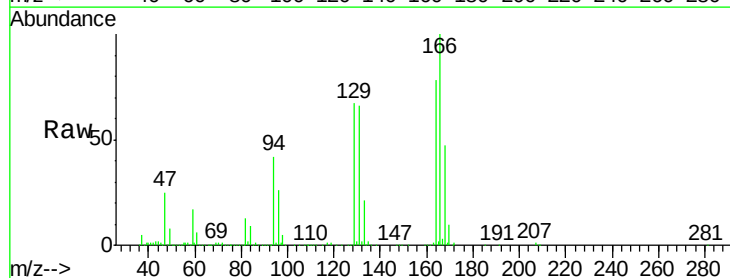
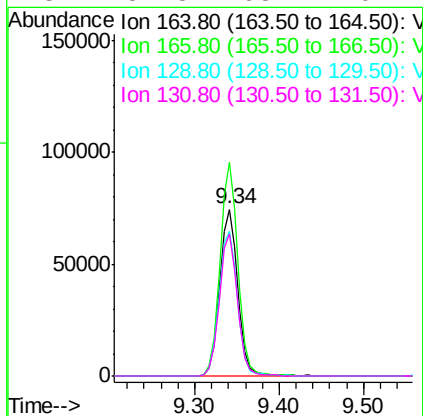
Manual Integrations
APPROVED

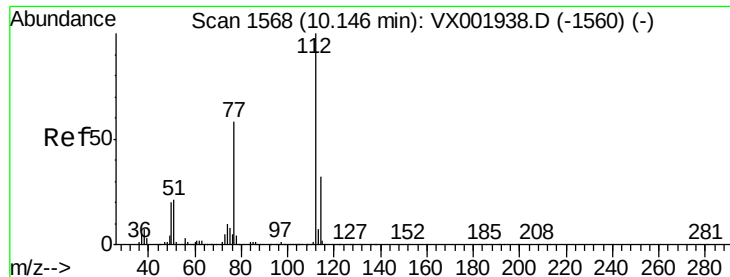
MMDadoda
5/25/2018 2:25:54 PM



#64
Tetrachloroethene
Concen: 19.32 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	110739		
166	127.8		102.7	154.1
129	86.2		70.3	105.5
131	84.8		68.2	102.4





#65

Chlorobenzene

Concen: 19.57 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion:112 Resp: 247912

Ion Ratio Lower Upper

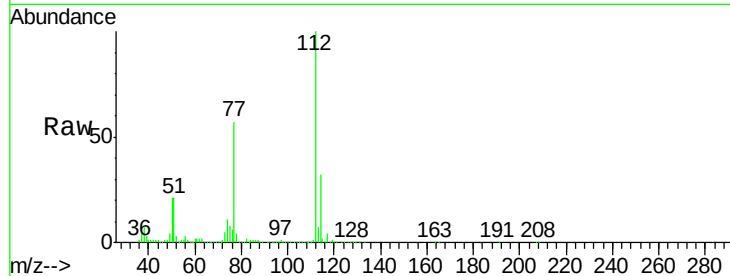
112 100

114 31.7 25.9 38.9

Manual Integrations
APPROVED

MMDadoda

5/25/2018 2:25:54 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.15

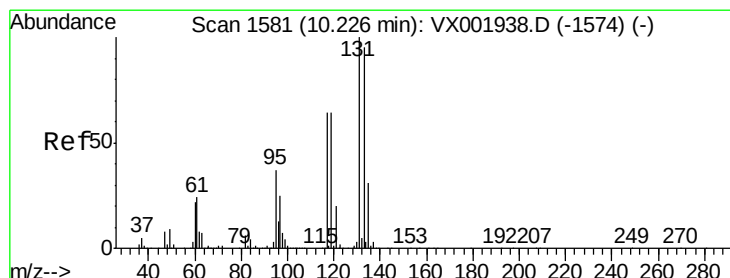
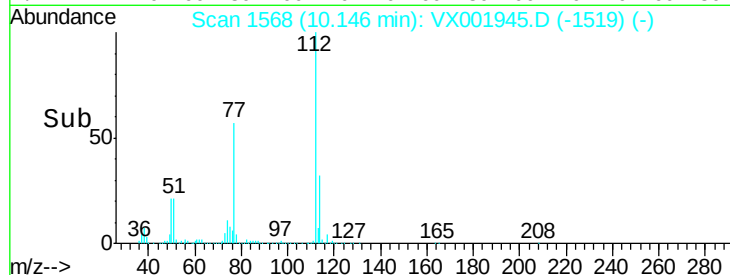
150000

100000

50000

0

Time--> 10.00 10.10 10.20 10.30



#66

1,1,1,2-Tetrachloroethane

Concen: 19.50 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

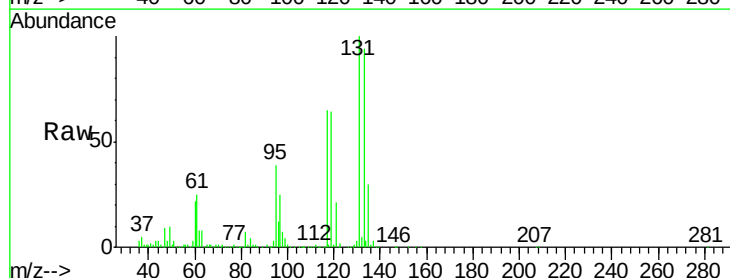
Tgt Ion:131 Resp: 99732

Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.0

119 63.5 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

120000

100000

80000

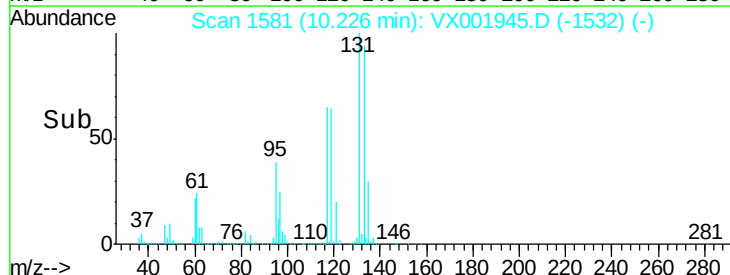
60000

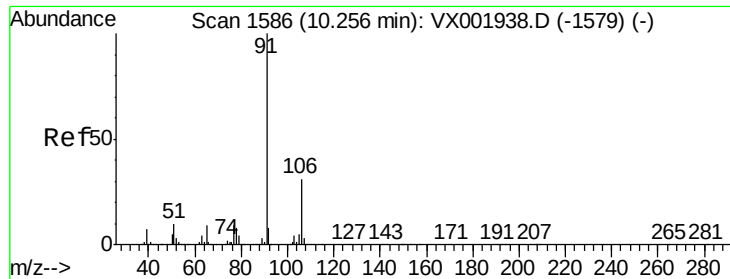
40000

20000

0

Time--> 10.20 10.30





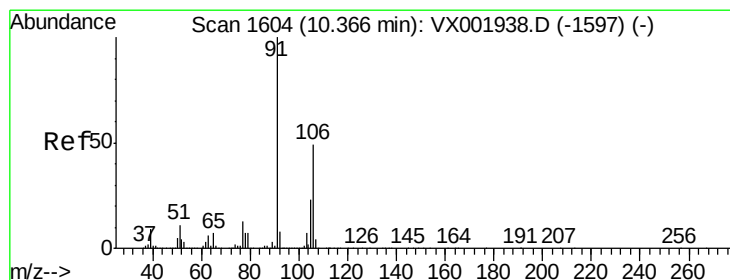
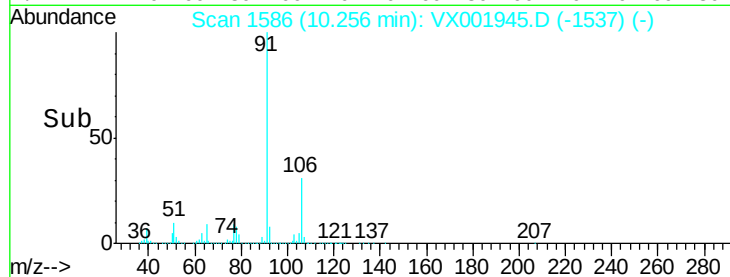
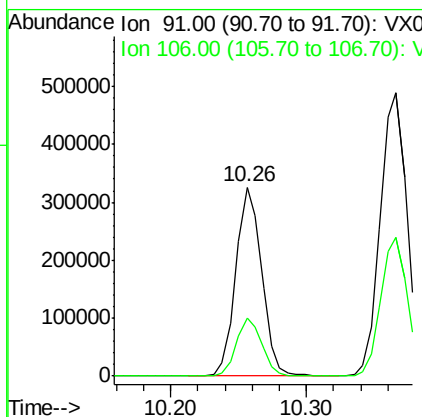
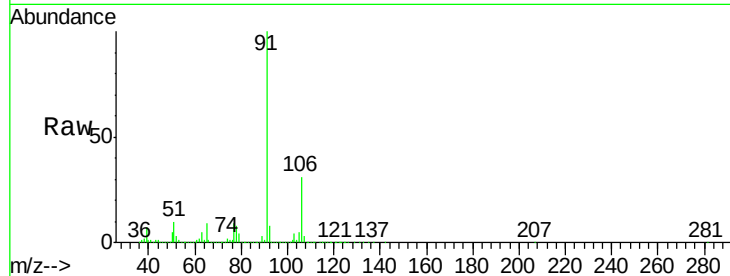
#67
Ethyl Benzene
Concen: 19.65 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion: 91 Resp: 432513
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6

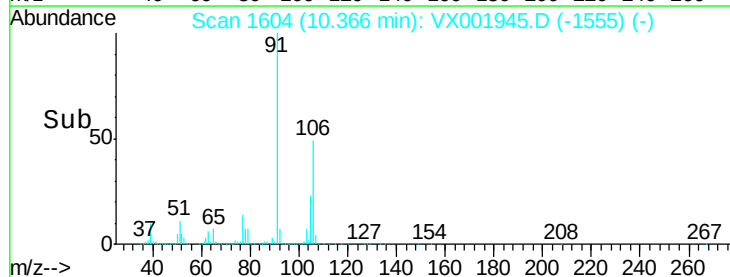
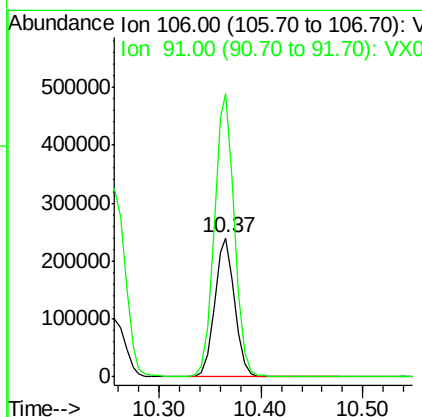
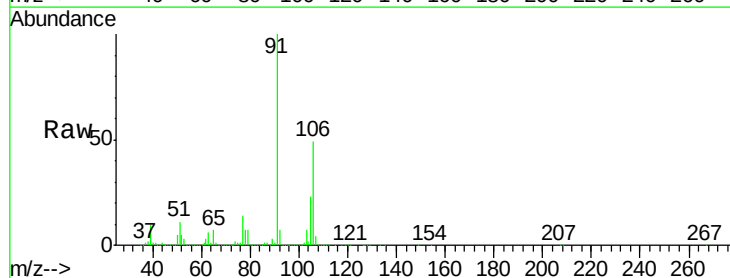
Manual Integrations
APPROVED

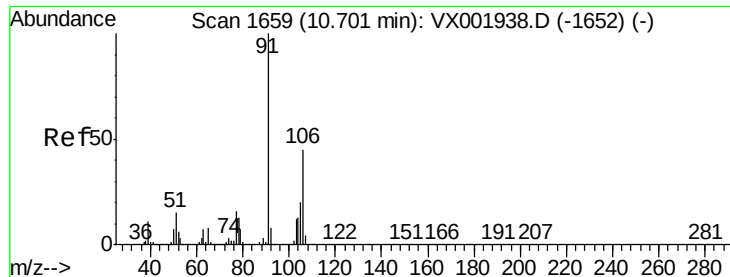
MMDadoda
5/25/2018 2:25:54 PM



#68
m/p-Xylenes
Concen: 38.99 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Tgt Ion: 106 Resp: 328009
Ion Ratio Lower Upper
106 100
91 205.4 165.0 247.6





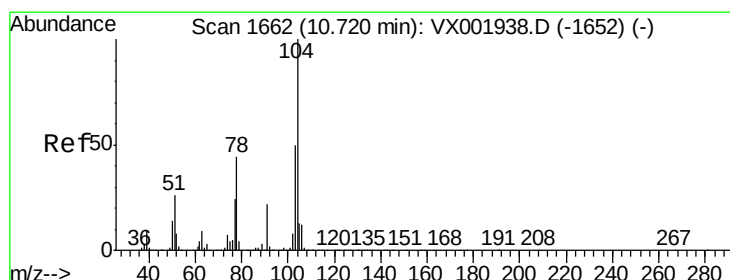
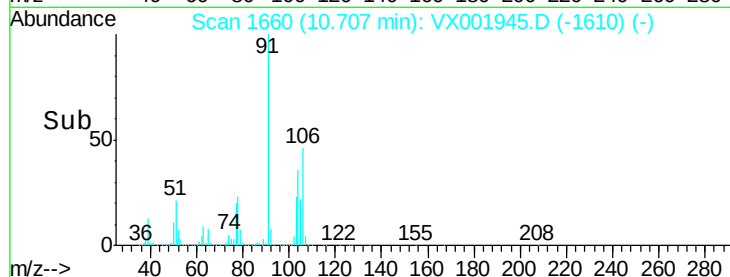
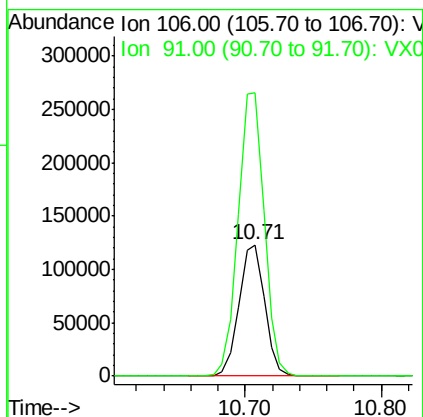
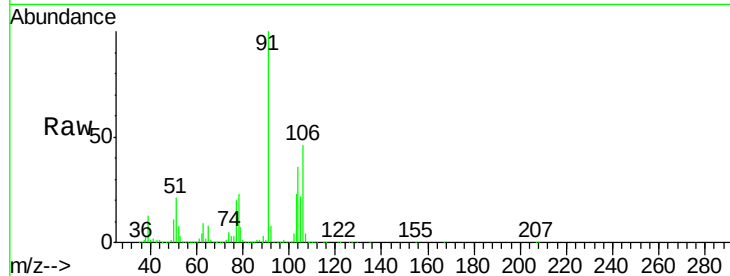
#69
o-Xylene
Concen: 19.36 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		162632		
91	219.3	108.7	325.9		

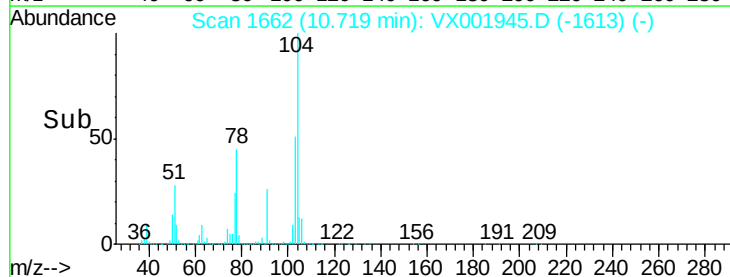
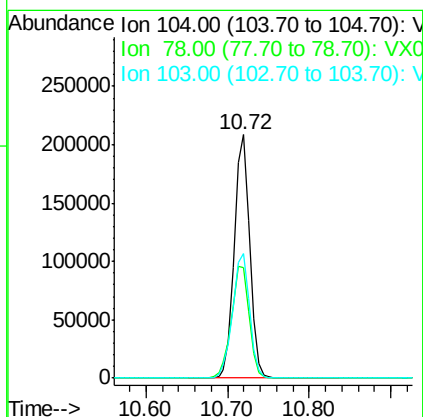
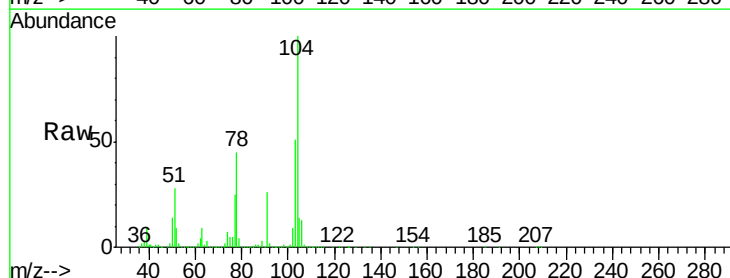
Manual Integrations
APPROVED

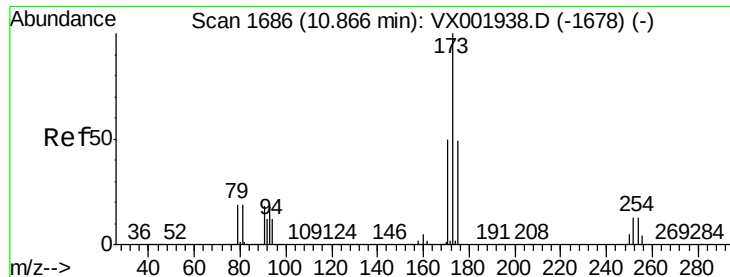
MMDadoda
5/25/2018 2:25:54 PM



#70
Styrene
Concen: 19.35 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		269491		
78	52.9	41.8	62.6		
103	56.2	44.6	67.0		





#71

Bromoform

Concen: 19.27 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion:173 Resp: 93472

Ion Ratio Lower Upper

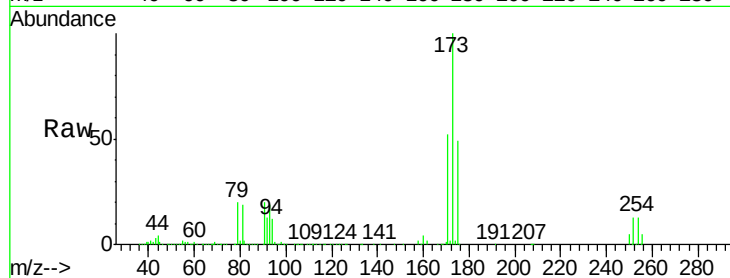
173 100

175 49.0 24.3 72.9

254 0.2 0.1 0.1#

Manual Integrations
APPROVED

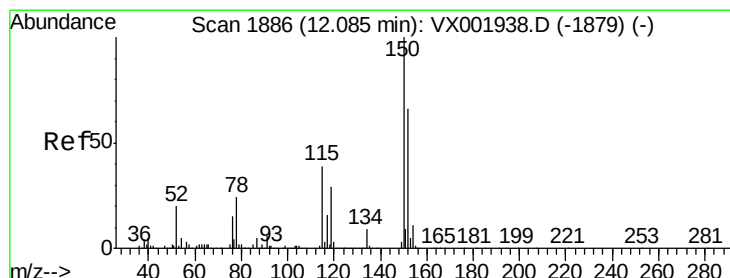
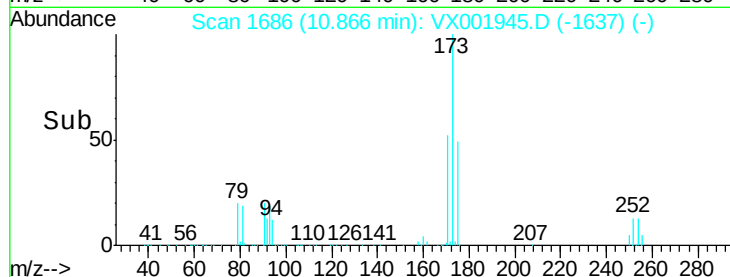
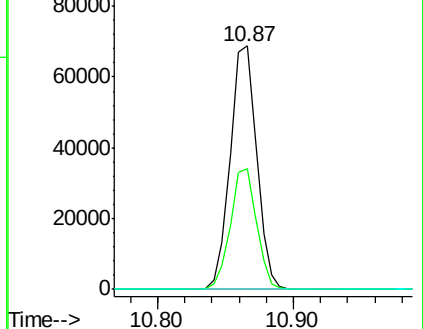
MMDadoda
5/25/2018 2:25:54 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

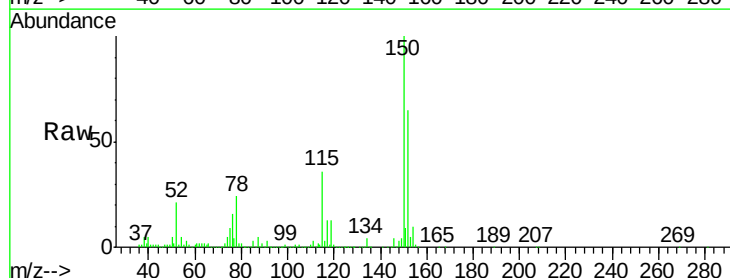
Tgt Ion:152 Resp: 257783

Ion Ratio Lower Upper

152 100

115 67.8 42.3 126.8

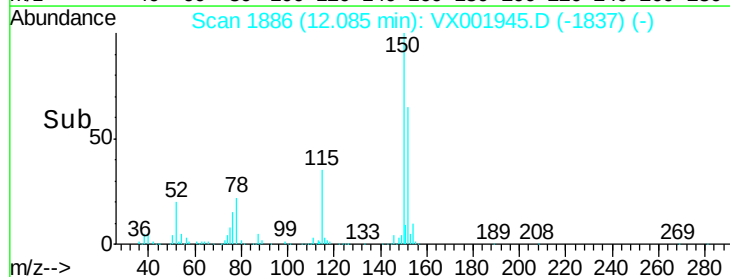
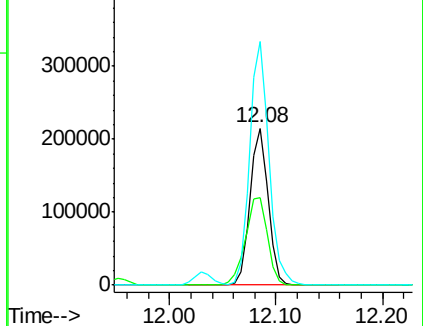
150 164.6 0.0 351.0

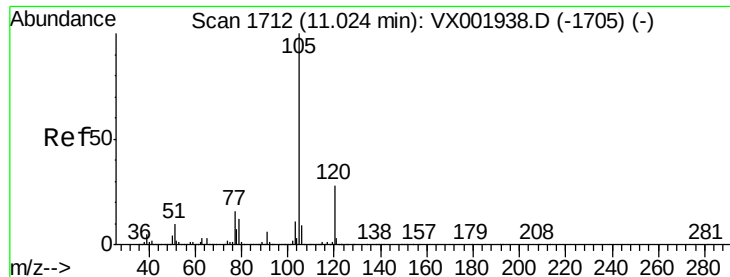


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.10 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion:105 Resp: 438780

Ion Ratio Lower Upper

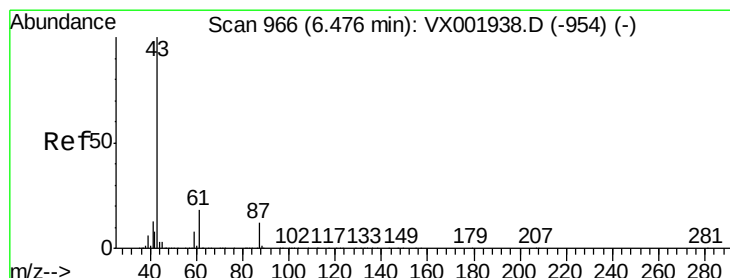
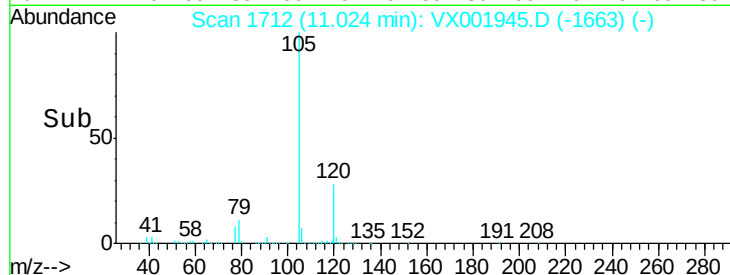
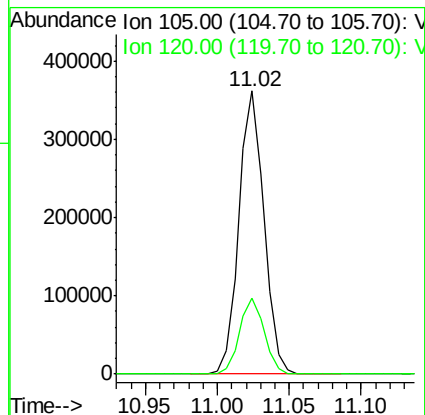
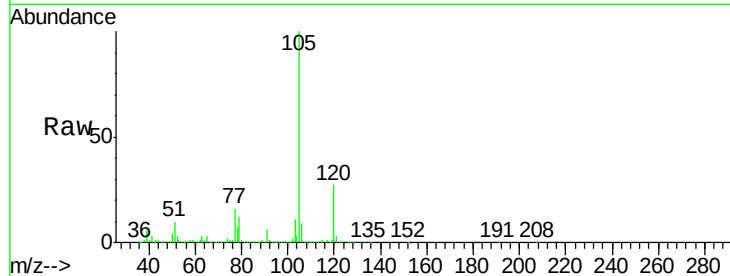
105 100

120 26.8 13.6 40.7

Manual Integrations
APPROVED

MMDadoda

5/25/2018 2:25:54 PM



#74

N-ethyl acetate

Concen: 22.07 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Tgt Ion: 43 Resp: 269867

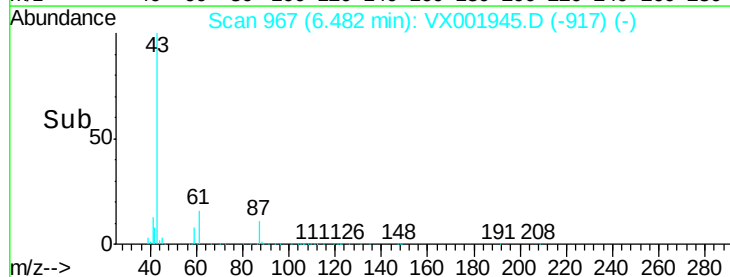
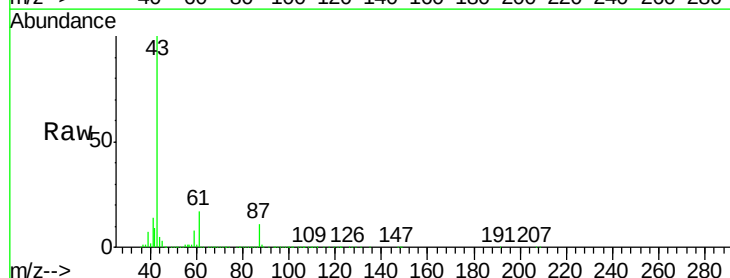
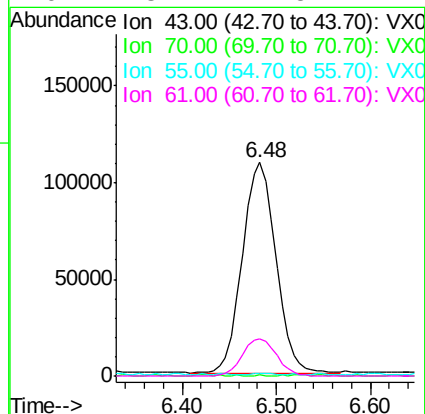
Ion Ratio Lower Upper

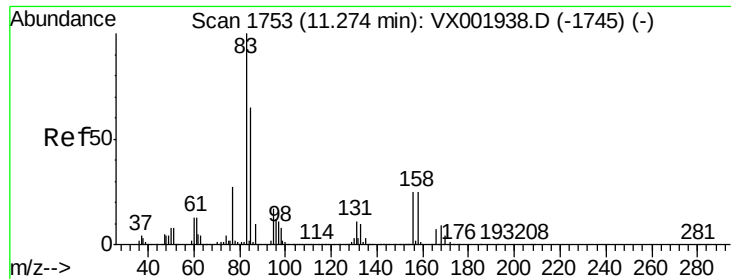
43 100

70 0.0 0.1 0.1#

55 0.3 0.1 0.1#

61 18.2 14.5 21.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.68 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

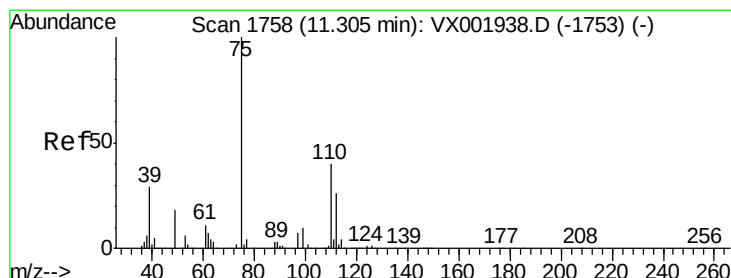
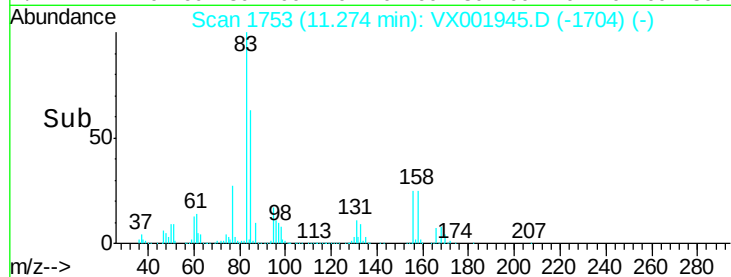
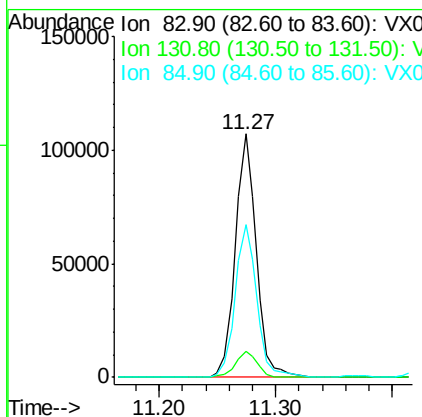
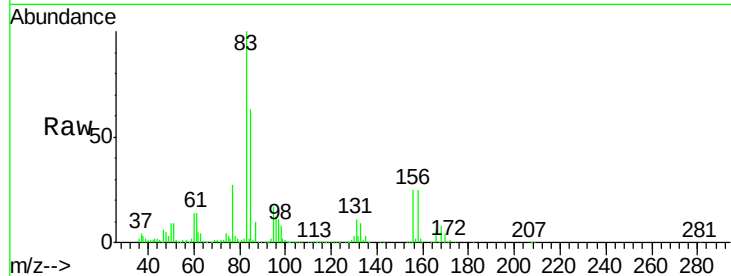
ClientSampleId :

VX0524WBS01

Tot Ion:	83	Resp:	133707
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.0
85	63.9	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:54 PM



#76

1,2,3-Trichloropropane

Concen: 23.50 ug/l m

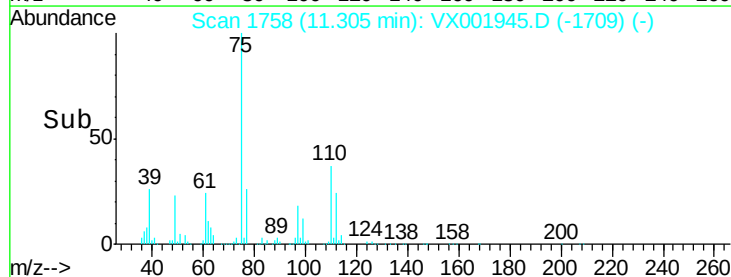
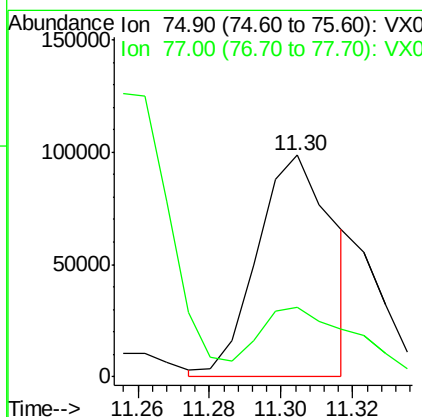
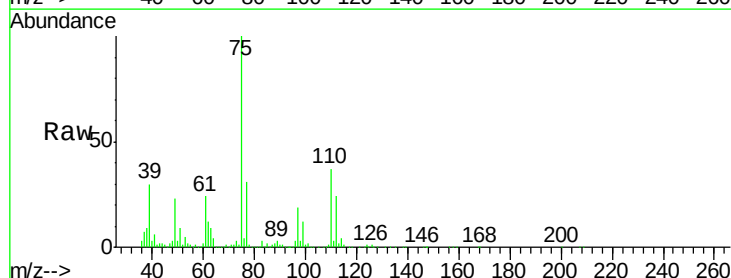
RT: 11.30 min Scan# 1758

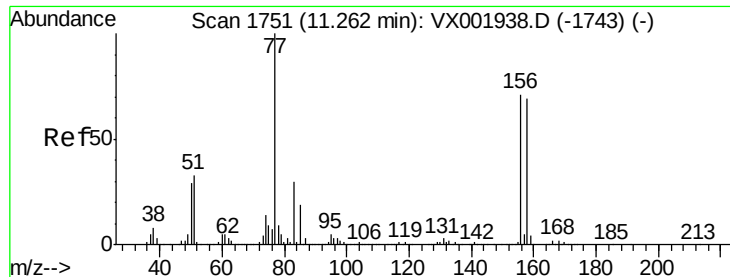
Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Tgt Ion:	75	Resp:	145532
Ion Ratio	Lower	Upper	
75	100		
77	38.7	22.8	68.3





#77

Bromobenzene

Concen: 19.66 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

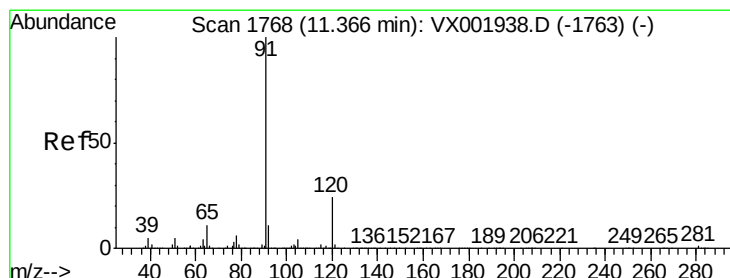
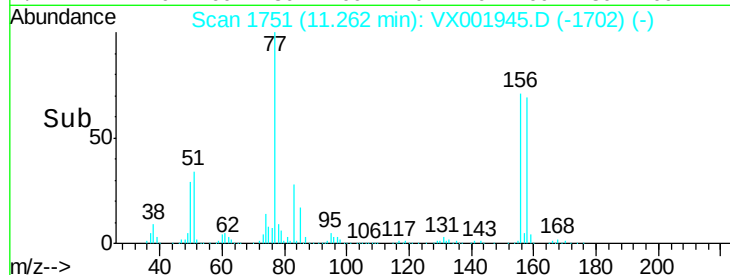
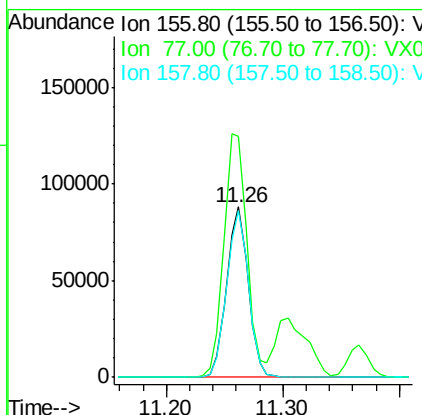
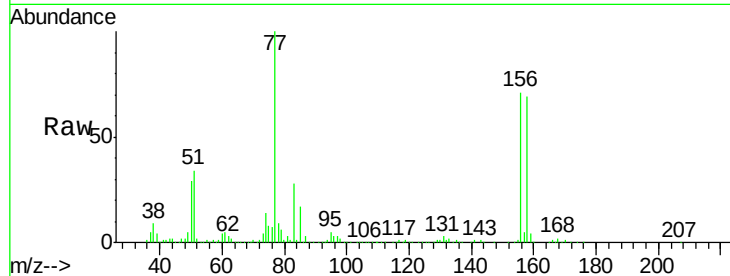
ClientSampleId :

VX0524WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	151.5	75.2	225.6
158	98.3	48.6	145.8

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:54 PM



#78

n-propylbenzene

Concen: 19.91 ug/l

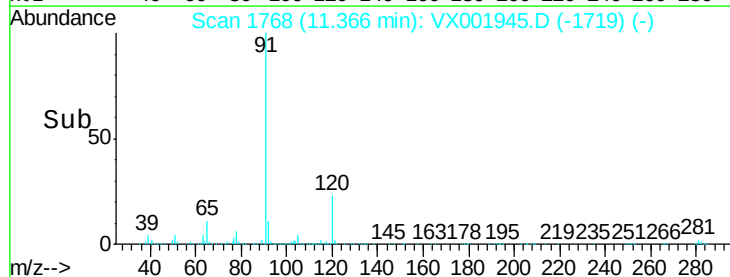
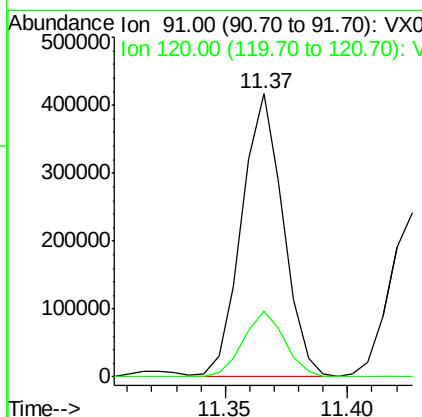
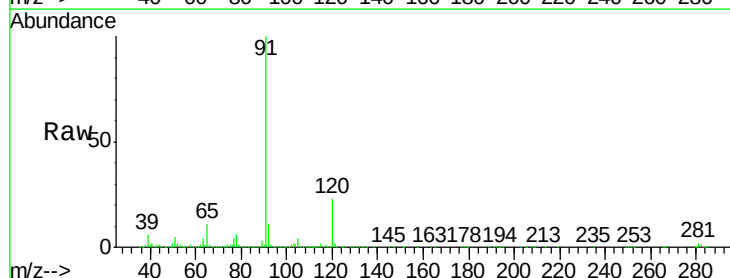
RT: 11.37 min Scan# 1768

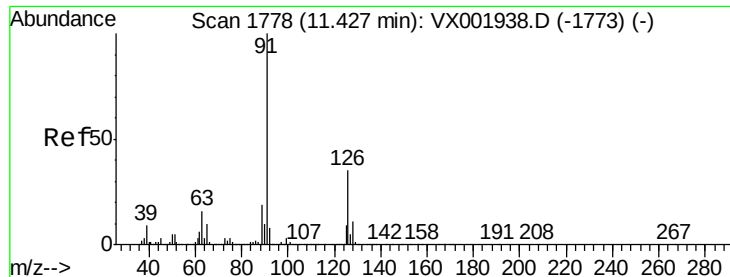
Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.7





#79

2-Chlorotoluene

Concen: 20.76 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

ClientSampled :

VX0524WBS01

Tot Ion: 91 Resp: 296481

Ion Ratio Lower Upper

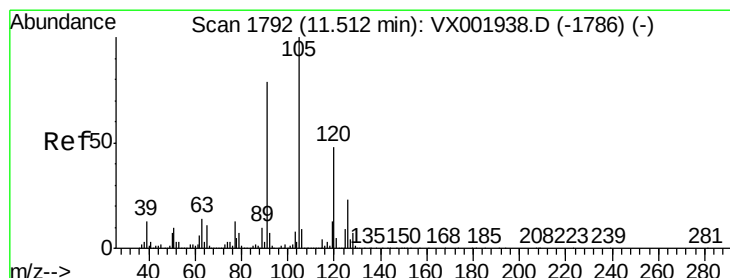
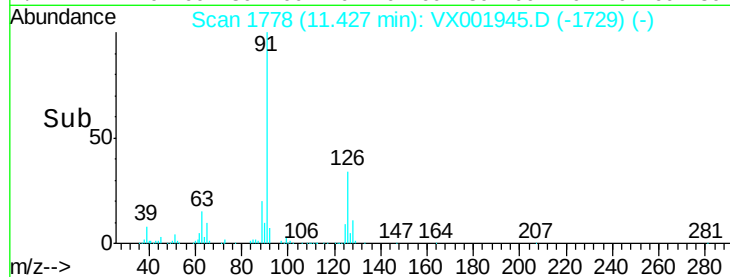
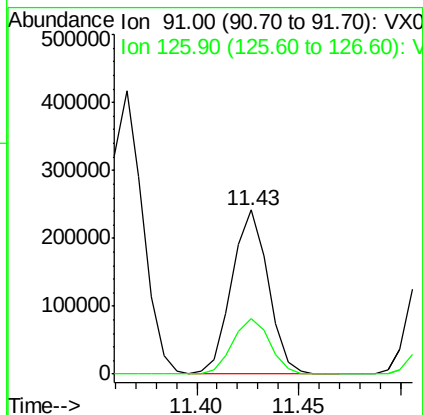
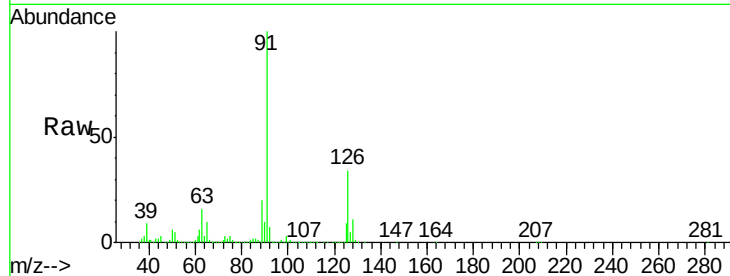
91 100

126 34.7 17.4 52.2

Manual Integrations
APPROVED

MMDadoda

5/25/2018 2:25:54 PM



#80

1,3,5-Trimethylbenzene

Concen: 19.82 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001945.D

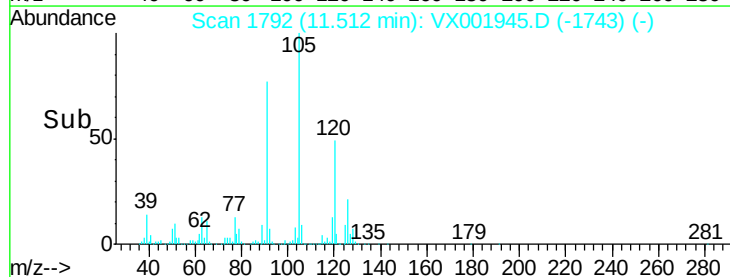
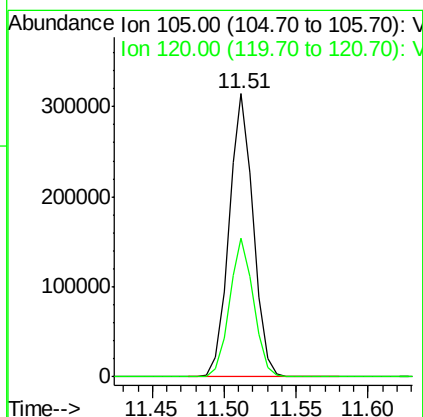
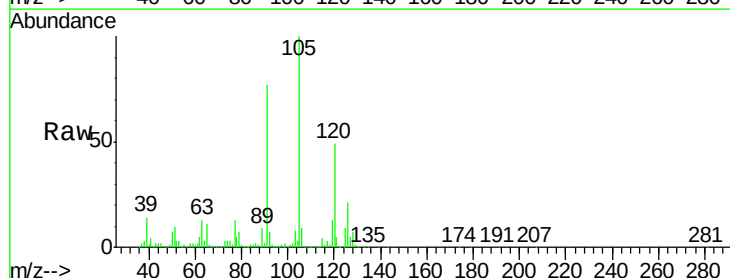
Acq: 24 May 2018 17:08

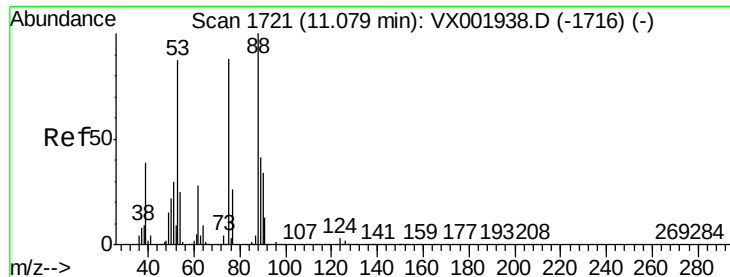
Tgt Ion: 105 Resp: 369834

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.4





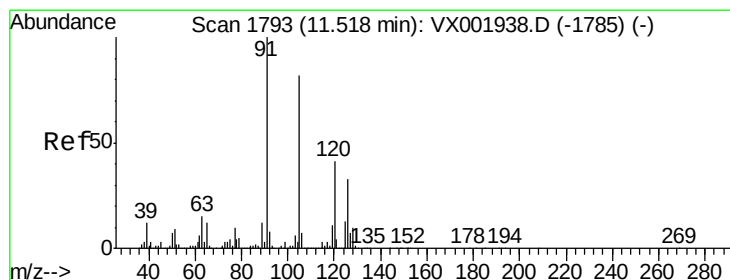
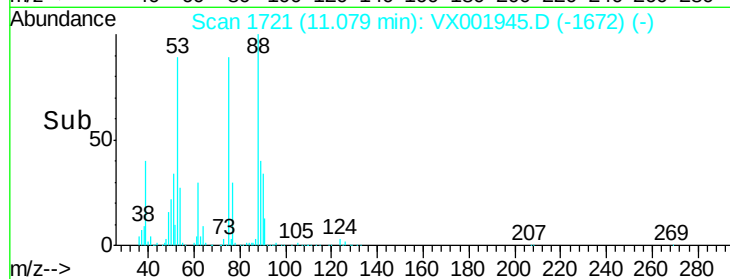
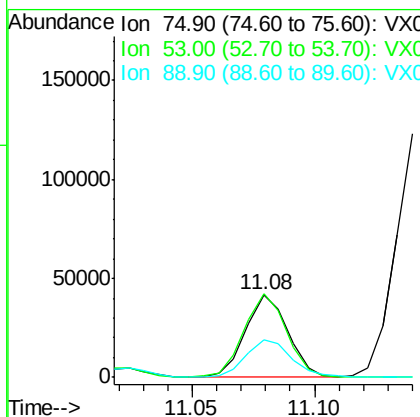
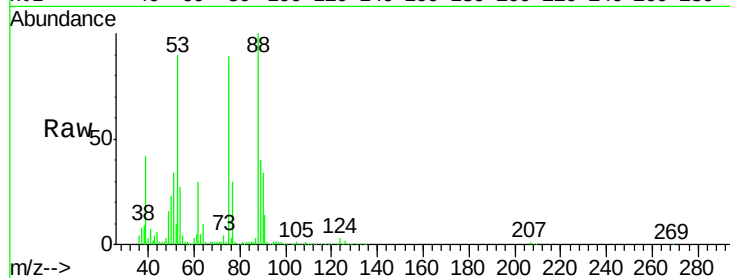
#81
trans-1,4-Dichloro-2-butene
Concen: 19.55 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.7	78.0	117.0
89	50.4	39.4	59.2

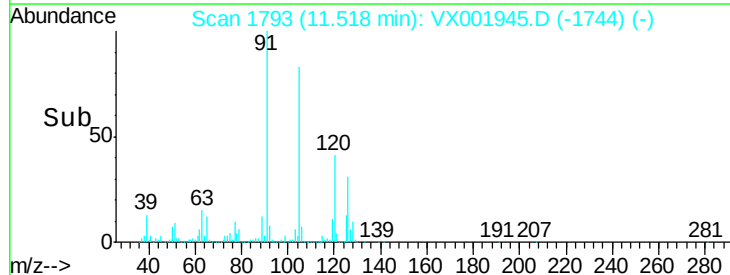
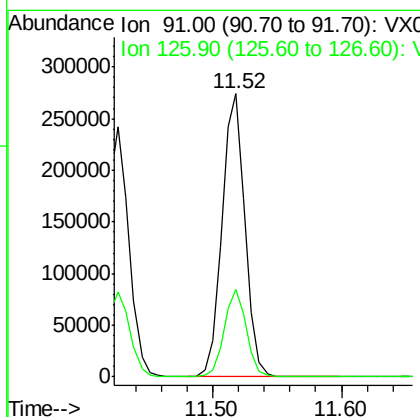
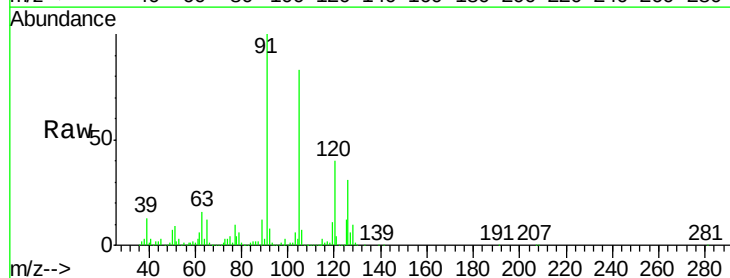
Manual Integrations
APPROVED

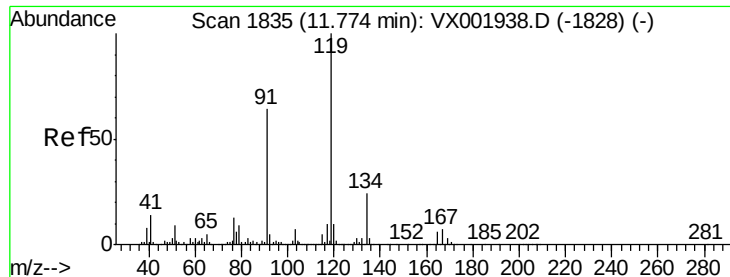
MMDadoda
5/25/2018 2:25:54 PM



#82
4-Chlorotoluene
Concen: 19.89 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.6	15.3	45.8





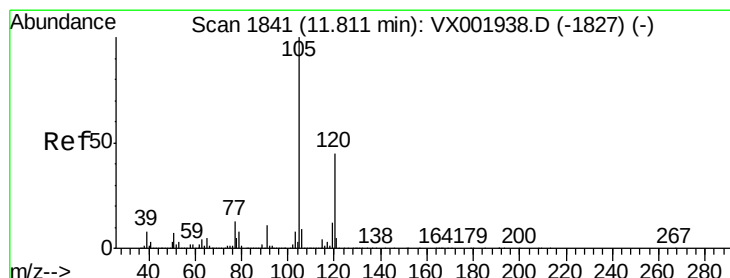
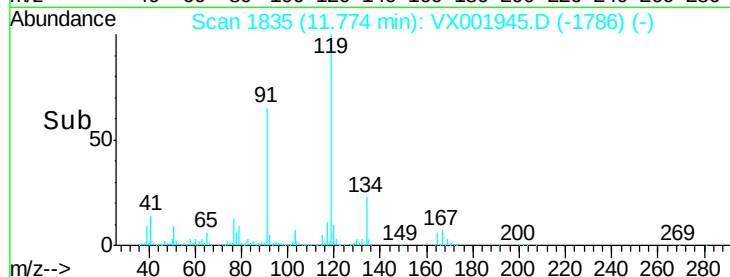
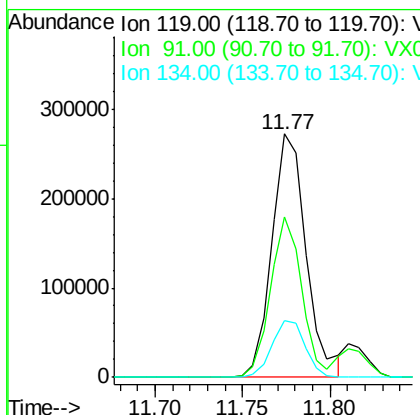
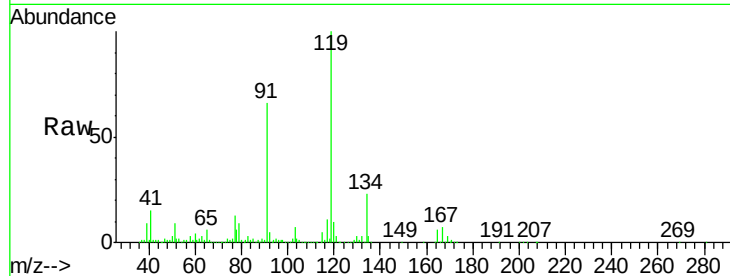
#83
 tert-Butylbenzene
 Concen: 20.27 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001945.D
 Acq: 24 May 2018 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.1	30.6	91.8
134	22.8	11.7	35.0

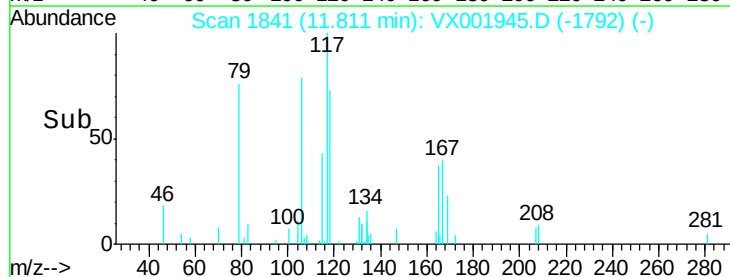
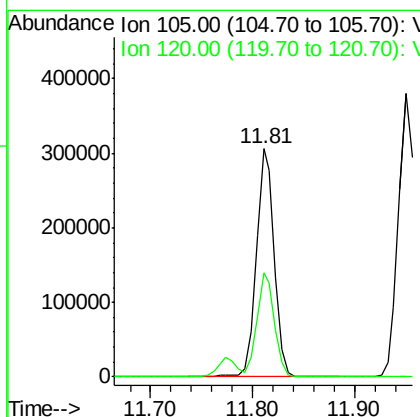
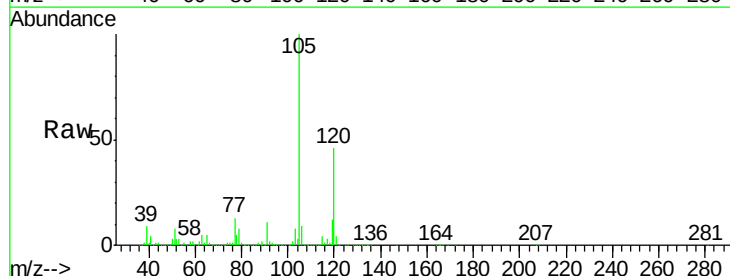
Manual Integrations
 APPROVED

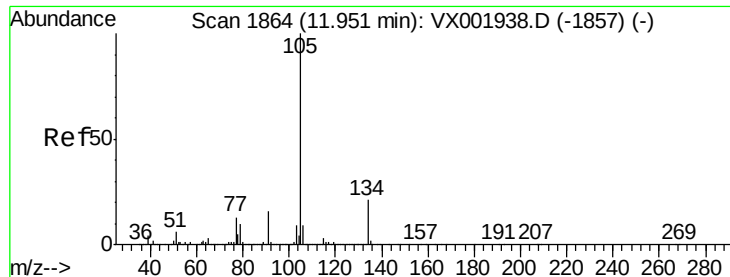
MMDadoda
 5/25/2018 2:25:54 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.53 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001945.D
 Acq: 24 May 2018 17:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.95 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBS01

Tot Ion:105 Resp: 438944

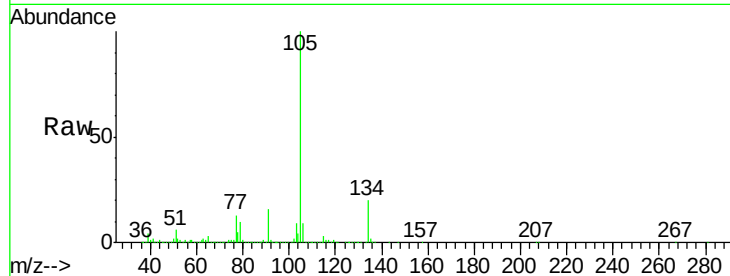
Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.4

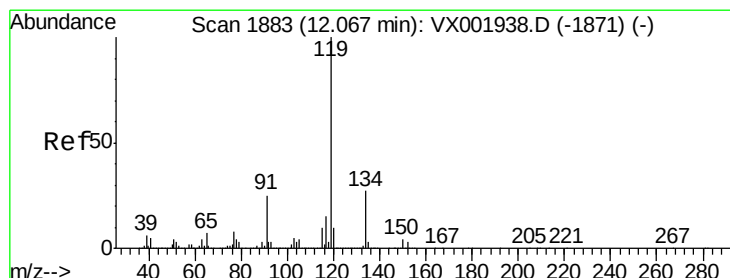
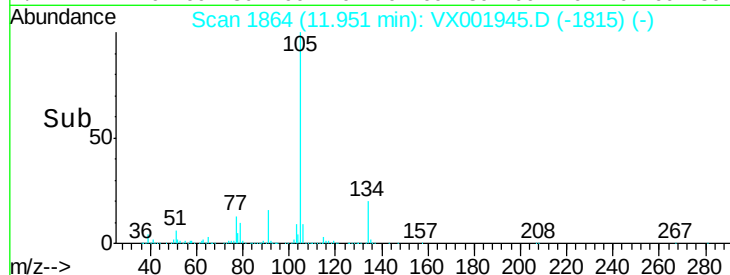
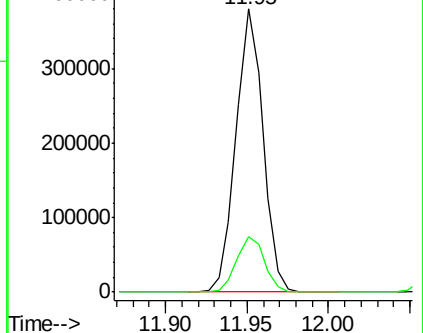
Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:54 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.74 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

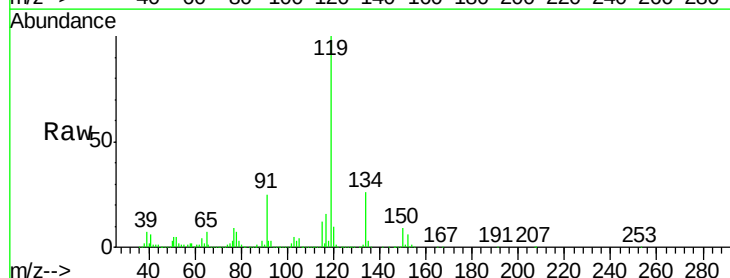
Tgt Ion:119 Resp: 388719

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

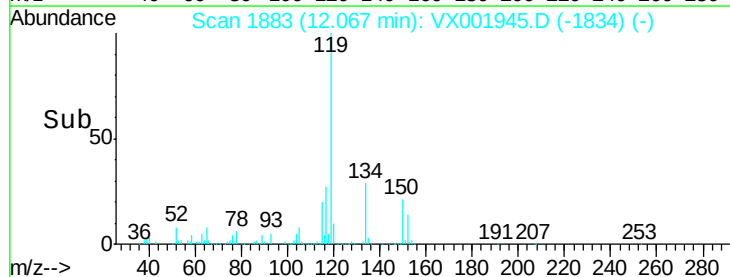
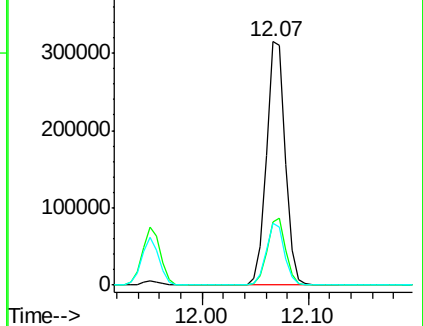
91 24.6 12.2 36.4

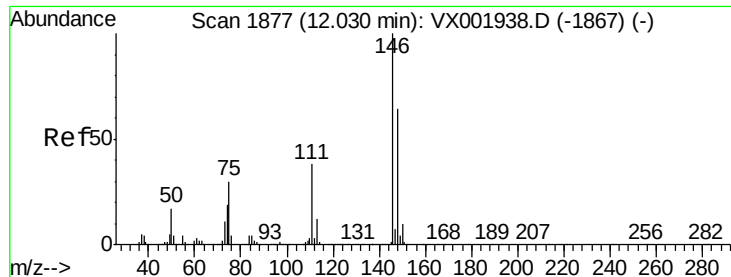


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





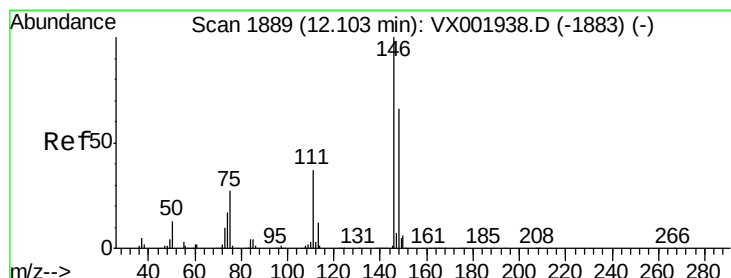
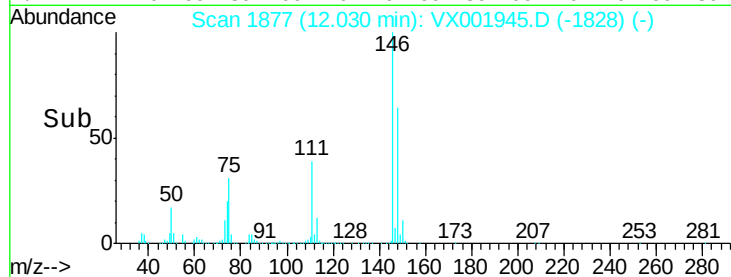
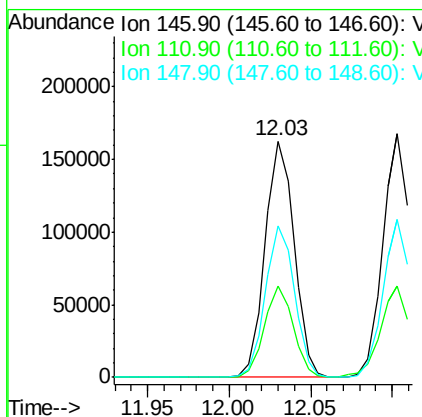
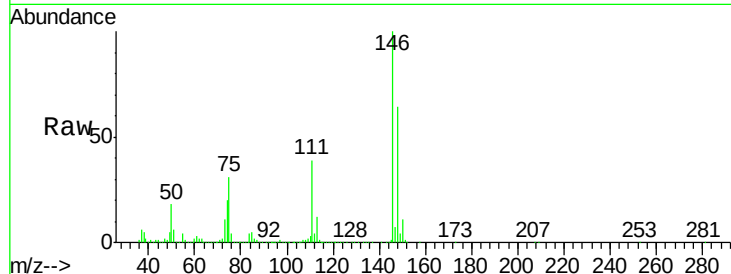
#87
 1,3-Dichlorobenzene
 Concen: 19.39 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001945.D
 Acq: 24 May 2018 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.3	57.8
148	64.2	32.1	96.3

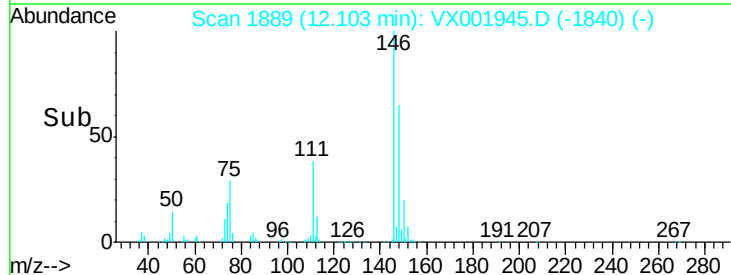
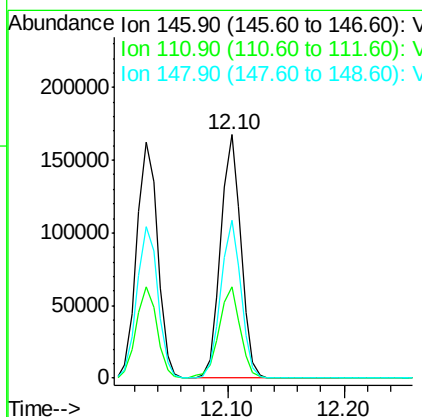
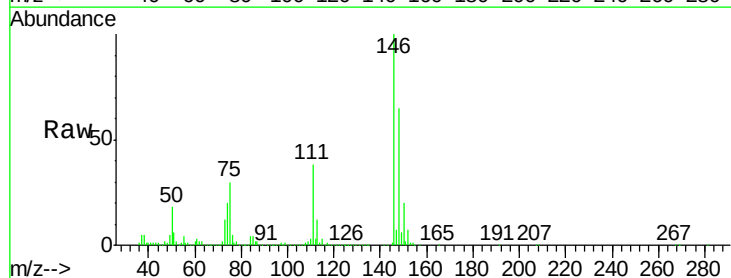
Manual Integrations
 APPROVED

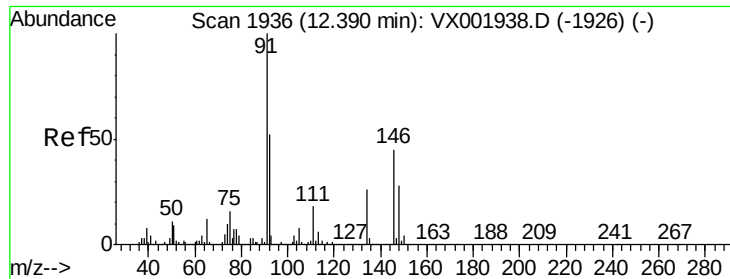
MMDadoda
 5/25/2018 2:25:54 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.34 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001945.D
 Acq: 24 May 2018 17:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.9	56.5
148	64.9	32.3	96.8





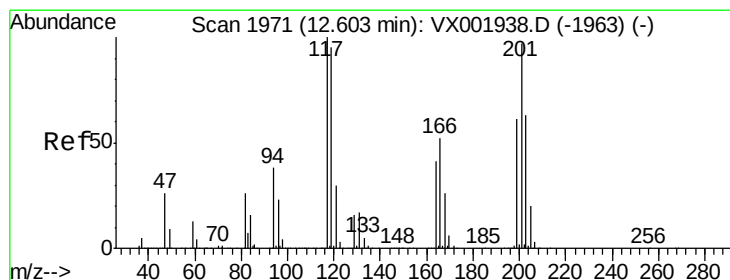
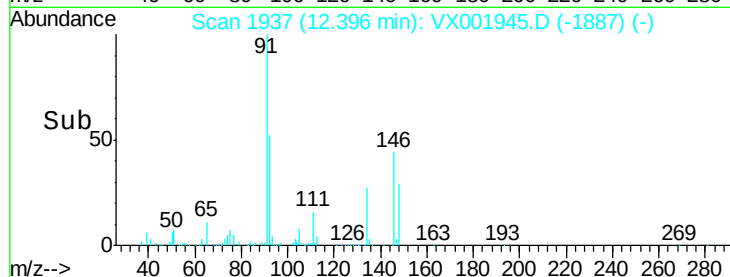
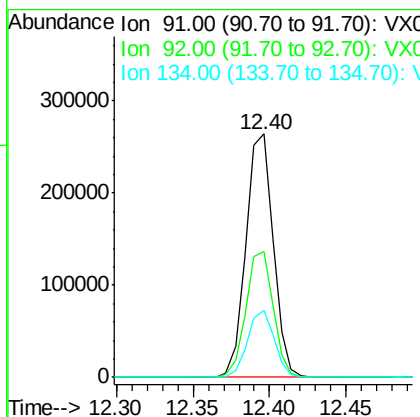
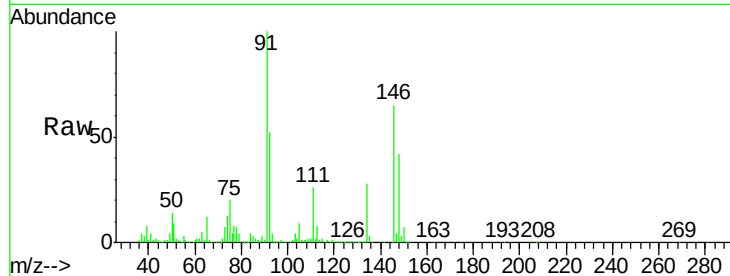
#89
n-Butylbenzene
Concen: 19.54 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.01 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	325991		
92	52.0		26.3	78.9
134	26.9		13.6	40.7

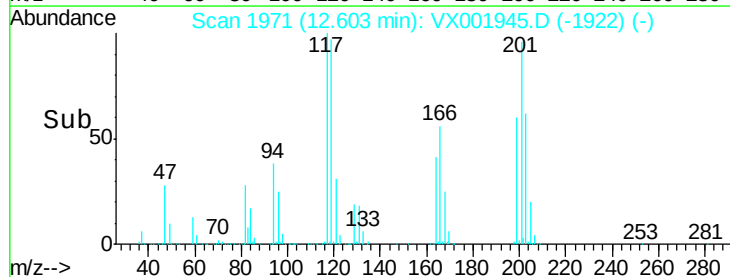
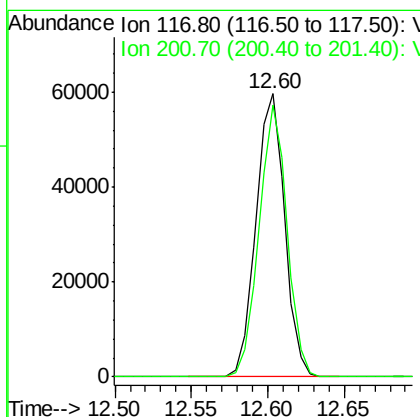
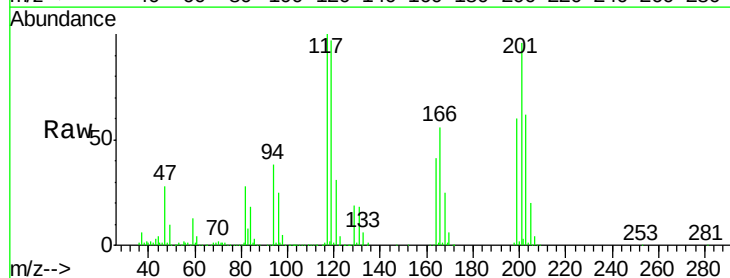
Manual Integrations
APPROVED

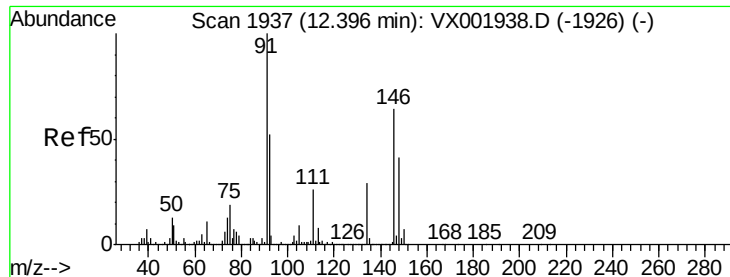
MMDadoda
5/25/2018 2:25:54 PM



#90
Hexachloroethane
Concen: 20.13 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001945.D
Acq: 24 May 2018 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	78177		
201	93.8		48.0	144.0





#91

1,2-Dichlorobenzene

Concen: 19.82 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

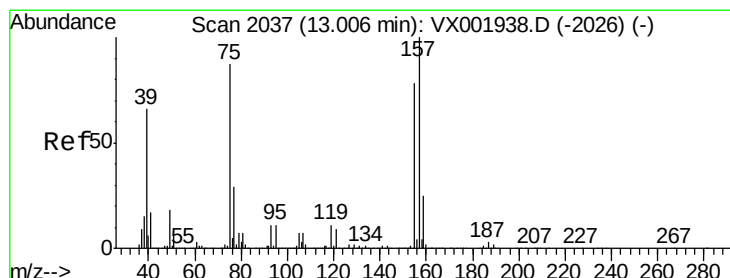
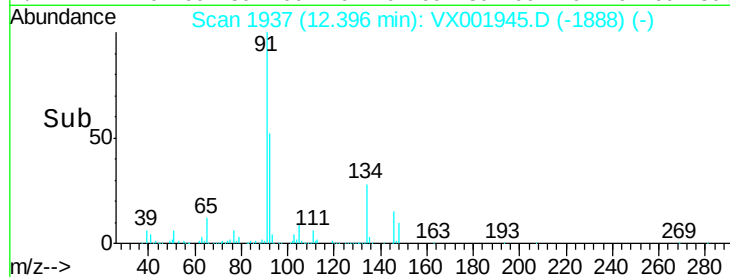
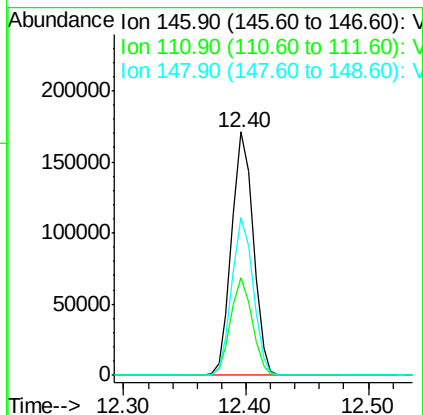
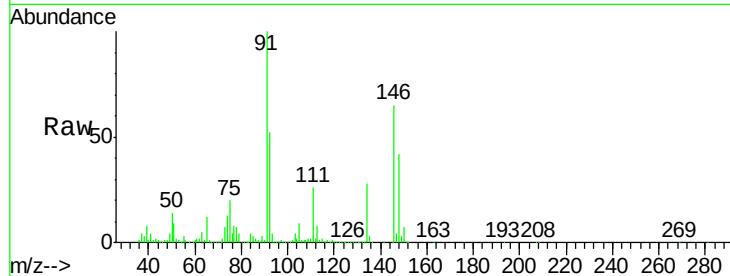
ClientSampleId :

VX0524WBS01

Tot Ion:	146	Resp:	209429
Ion Ratio	Lower	Upper	
146	100		
111	39.7	19.8	59.3
148	64.0	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:54 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.83 ug/l

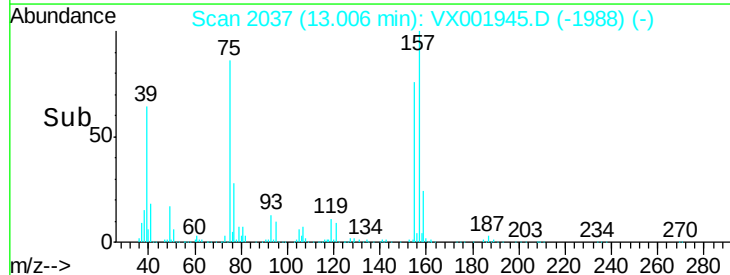
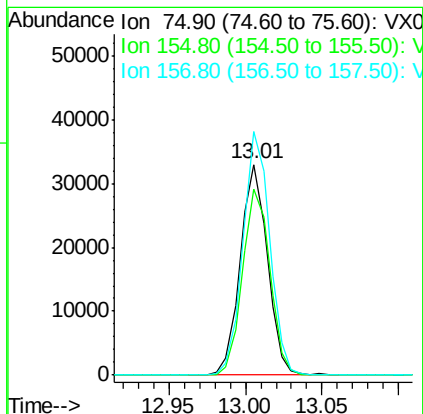
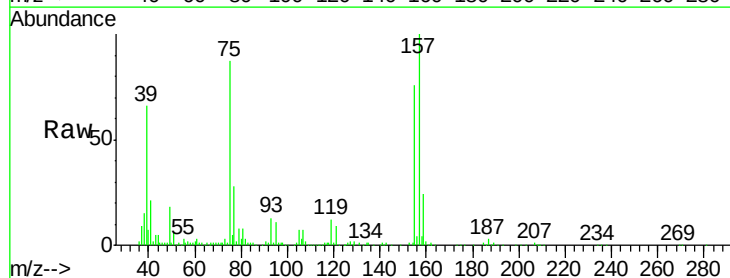
RT: 13.01 min Scan# 2037

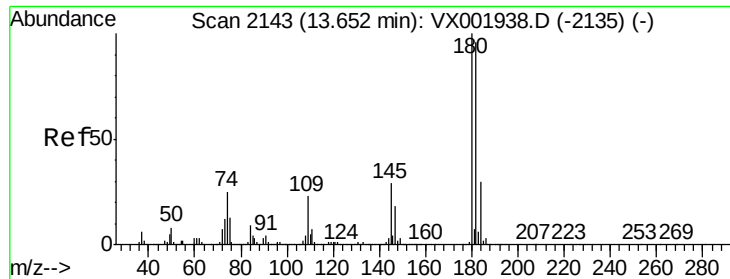
Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Tgt Ion:	75	Resp:	40435
Ion Ratio	Lower	Upper	
75	100		
155	89.3	45.1	135.2
157	114.8	58.1	174.2





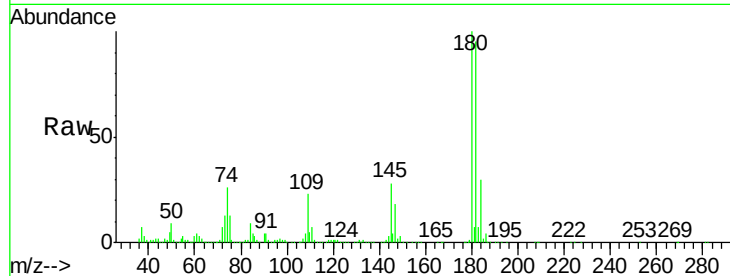
#93
 1,2,4-Trichlorobenzene
 Concen: 19.09 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001945.D
 Acq: 24 May 2018 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

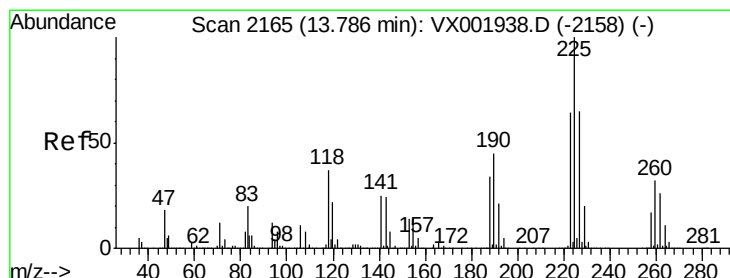
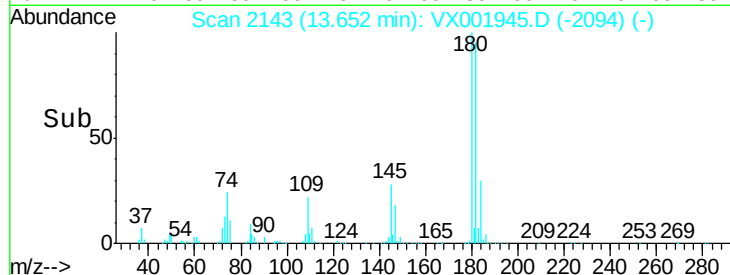
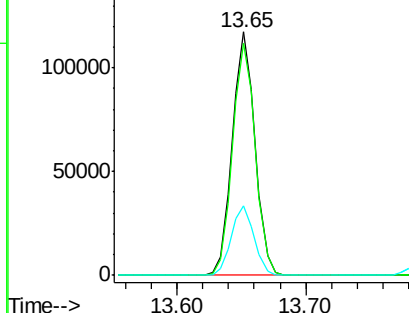
Tot Ion	Ratio	Resp	Lower	Upper
180	100	144290		
182	95.7	47.7	143.1	
145	28.7	14.4	43.0	

Manual Integrations
 APPROVED

MMDadoda
 5/25/2018 2:25:54 PM

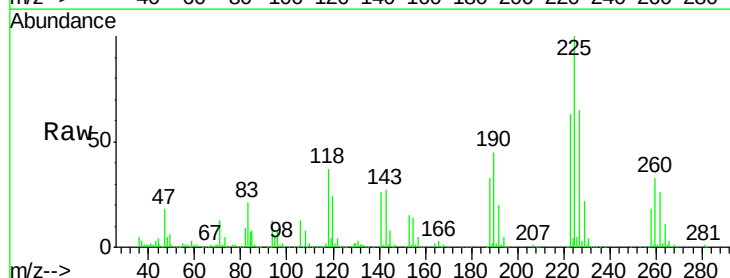


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

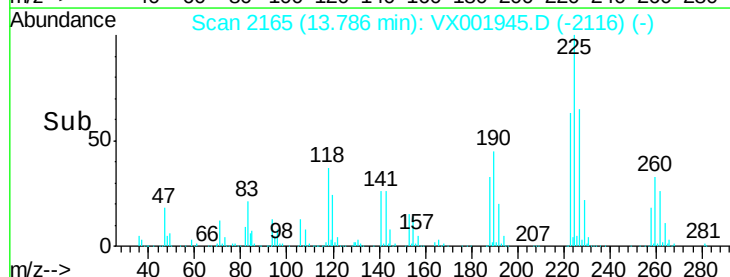
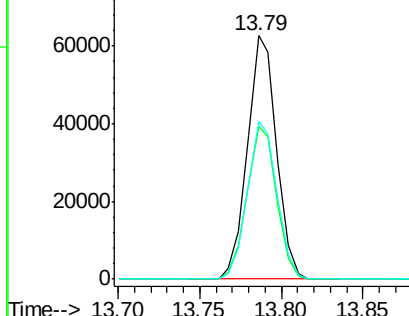


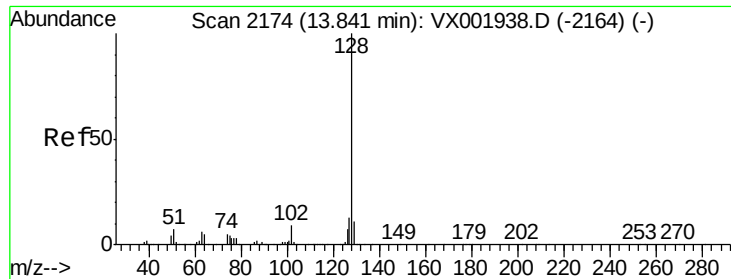
#94
 Hexachlorobutadiene
 Concen: 19.19 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001945.D
 Acq: 24 May 2018 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	78002		
223	63.7	31.1	93.5	
227	65.4	32.1	96.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.24 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Instrument :

MSVOA_X

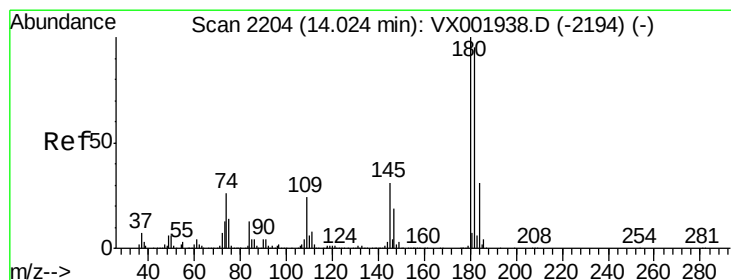
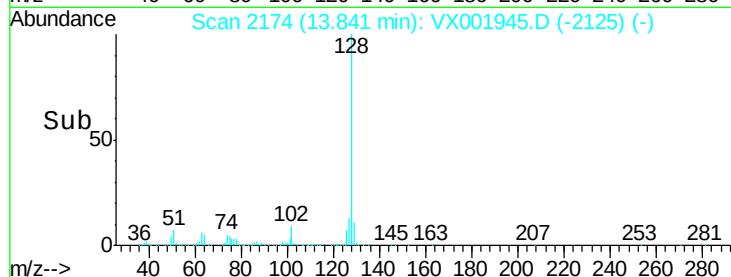
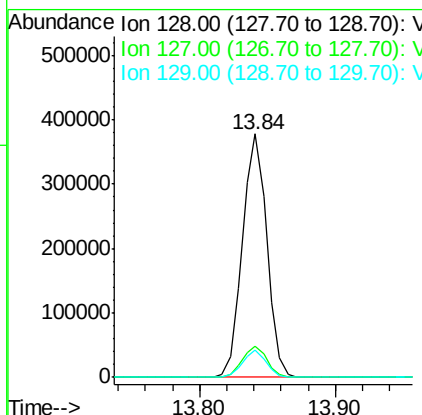
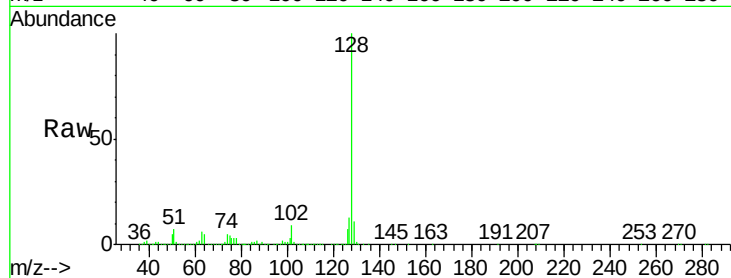
ClientSampleId :

VX0524WBS01

Tot Ion:	128	Resp:	471259
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:54 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.44 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001945.D

Acq: 24 May 2018 17:08

Tgt Ion:	180	Resp:	151974
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.9	143.6
145	30.4	15.1	45.3

