

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052918\
 Data File : VX002097.D
 Acq On : 29 May 2018 17:06
 Operator : JC/MD
 Sample : VX0529WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/30/2018 1:50:57 PM

Quant Time: May 30 06:59:12 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	264472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	378872	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	347769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	219578	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	194790	41.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.40%	
35) Dibromofluoromethane	5.51	113	149296	39.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.82%	
50) Toluene-d8	8.72	98	555005	40.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.92%	
62) 4-Bromofluorobenzene	11.14	95	210927	39.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.60%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	56822	15.78	ug/l	98
3) Chloromethane	1.32	50	79978	19.65	ug/l	99
4) Vinyl Chloride	1.40	62	76625	19.50	ug/l	98
5) Bromomethane	1.64	94	44250	23.97	ug/l	98
6) Chloroethane	1.73	64	48167	20.80	ug/l	99
7) Trichlorofluoromethane	1.93	101	123307	20.90	ug/l	99
8) Diethyl Ether	2.19	74	45814	21.40	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	69244	21.03	ug/l	97
10) Methyl Iodide	2.51	142	76899	17.26	ug/l	97
11) Tert butyl alcohol	3.08	59	103827	111.89	ug/l	98
12) 1,1-Dichloroethene	2.37	96	64011	20.76	ug/l	96
13) Acrolein	2.30	56	40853	101.82	ug/l	100
14) Allyl chloride	2.73	41	137479	21.25	ug/l	98
15) Acrylonitrile	3.15	53	204616	107.23	ug/l	98
16) Acetone	2.45	43	213798	117.18	ug/l	100
17) Carbon Disulfide	2.57	76	170011	19.16	ug/l	100
18) Methyl Acetate	2.78	43	101079	22.37	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	245355	21.16	ug/l	99
20) Methylene Chloride	2.86	84	74316	22.61	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	68043	21.78	ug/l	98
22) Diisopropyl ether	3.88	45	244765	18.60	ug/l	99
23) Vinyl Acetate	3.83	43	1093787	100.23	ug/l	99
24) 1,1-Dichloroethane	3.70	63	125151	20.02	ug/l	99
25) 2-Butanone	4.71	43	305274	91.29	ug/l	100
26) 2,2-Dichloropropane	4.59	77	108772	17.19	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	71953	17.90	ug/l	89
28) Bromochloromethane	5.03	49	68764	25.16	ug/l	99
29) Tetrahydrofuran	5.17	42	197400	90.73	ug/l	100
30) Chloroform	5.22	83	125907	17.87	ug/l	100
31) Cyclohexane	5.58	56	116086	17.82	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	113932	17.35	ug/l	98
36) 1,1-Dichloropropene	5.80	75	92043	17.47	ug/l	99
37) Ethyl Acetate	4.87	43	116907	17.02	ug/l	99
38) Carbon Tetrachloride	5.79	117	100449	16.35	ug/l	99

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Quant Time: May 30 06:59:12 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	114444	17.68	ug/l	97
40) Benzene	6.15	78	280035	18.14	ug/l	98
41) Methacrylonitrile	5.07	41	66535	17.47	ug/l	99
42) 1,2-Dichloroethane	6.20	62	109258	17.72	ug/l	99
43) Isopropyl Acetate	6.47	43	198397	17.33	ug/l	99
44) Trichloroethene	7.22	130	78974	17.55	ug/l	99
45) 1,2-Dichloropropane	7.52	63	76160	18.16	ug/l	97
46) Dibromomethane	7.67	93	49478	17.82	ug/l	98
47) Bromodichloromethane	7.90	83	94896	16.03	ug/l	99
48) Methyl methacrylate	7.78	41	101172	17.36	ug/l	98
49) 1,4-Dioxane	7.76	88	37430	364.56	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	632380	91.64	ug/l	98
52) Toluene	8.79	92	179105	18.23	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	115722	16.97	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	109827	16.53	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	72807	17.74	ug/l	98
56) Ethyl methacrylate	9.19	69	120942	17.13	ug/l	99
57) 1,3-Dichloropropane	9.38	76	122382	18.10	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	271632	86.80	ug/l	100
59) 2-Hexanone	9.50	43	486230	91.38	ug/l	99
60) Dibromochloromethane	9.59	129	77732	15.99	ug/l	99
61) 1,2-Dibromoethane	9.68	107	76139	17.68	ug/l	100
64) Tetrachloroethene	9.34	164	89176	17.88	ug/l	98
65) Chlorobenzene	10.14	112	199170	18.08	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	74498	16.74	ug/l	100
67) Ethyl Benzene	10.26	91	346031	18.08	ug/l	99
68) m/p-Xylenes	10.36	106	262842	35.92	ug/l	100
69) o-Xylene	10.70	106	130900	17.91	ug/l	99
70) Styrene	10.71	104	211962	17.49	ug/l	99
71) Bromoform	10.86	173	60527	14.35	ug/l	99
73) Isopropylbenzene	11.02	105	352014	18.93	ug/l	99
74) N-amyl acetate	6.47	43	198397	18.59	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	11.27	83	102784	19.44	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	112696m	21.37	ug/l	
77) Bromobenzene	11.26	156	93070	18.87	ug/l	98
78) n-propylbenzene	11.37	91	392044	18.83	ug/l	99
79) 2-Chlorotoluene	11.43	91	234897	19.14	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	295736	18.61	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	34418	15.68	ug/l	93
82) 4-Chlorotoluene	11.51	91	273512	18.62	ug/l	100
83) tert-Butylbenzene	11.77	119	289310	18.55	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	301551	18.36	ug/l	99
85) sec-Butylbenzene	11.95	105	352692	18.82	ug/l	99
86) p-Isopropyltoluene	12.07	119	310791	18.53	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	161846	18.32	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	164272	18.60	ug/l	99
89) n-Butylbenzene	12.39	91	261967	18.43	ug/l	99
90) Hexachloroethane	12.60	117	51862	15.68	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	167945	18.66	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	26260	15.88	ug/l	99

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ClientSampleId :
VX0529WBSD01

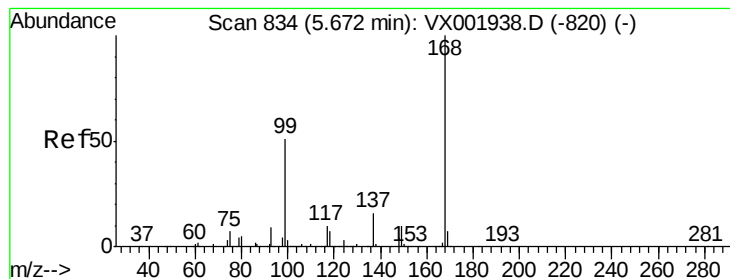
Manual Integrations
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5/30/2018 1:50:57 PM

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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	116003	18.02	ug/l	99
94) Hexachlorobutadiene	13.79	225	62785	18.13	ug/l	99
95) Naphthalene	13.84	128	363835	18.35	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	121246	18.20	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion:168 Resp: 264472

Ion Ratio Lower Upper

168 100

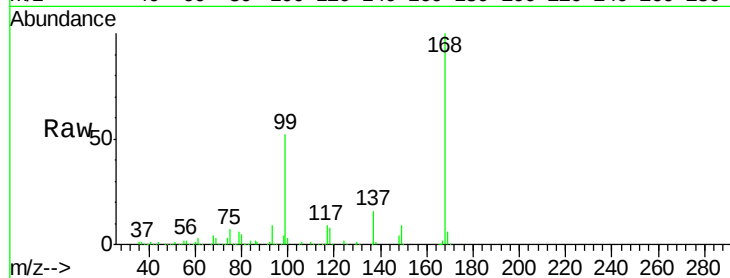
99 51.5 41.0 61.4

Manual Integrations

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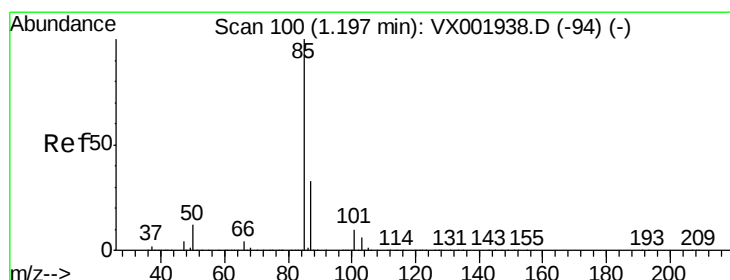
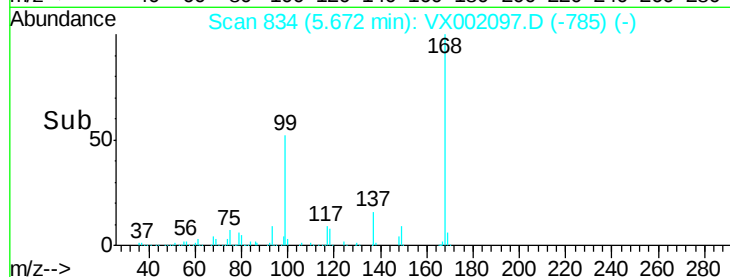
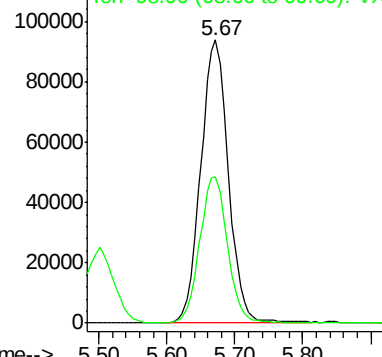
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 15.78 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002097.D

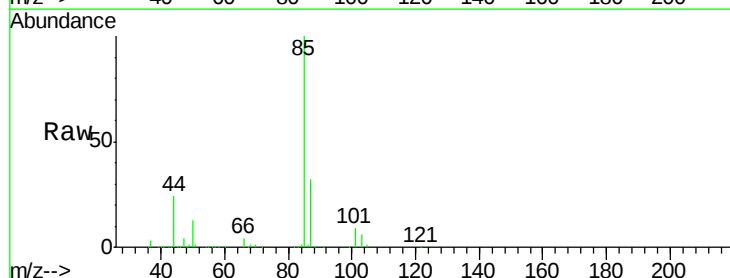
Acq: 29 May 2018 17:06

Tgt Ion: 85 Resp: 56822

Ion Ratio Lower Upper

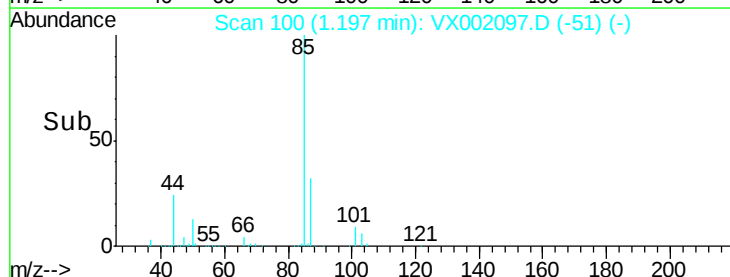
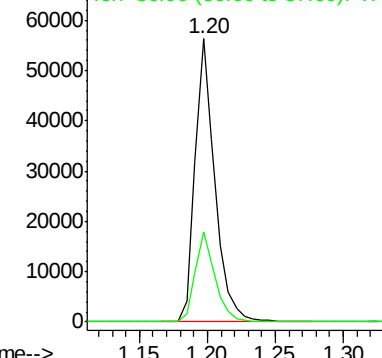
85 100

87 32.0 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.65 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 50 Resp: 79978

Ion Ratio Lower Upper

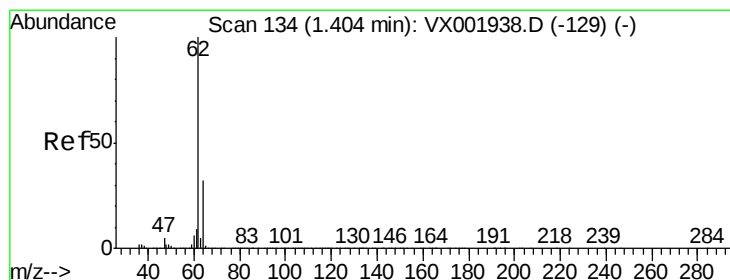
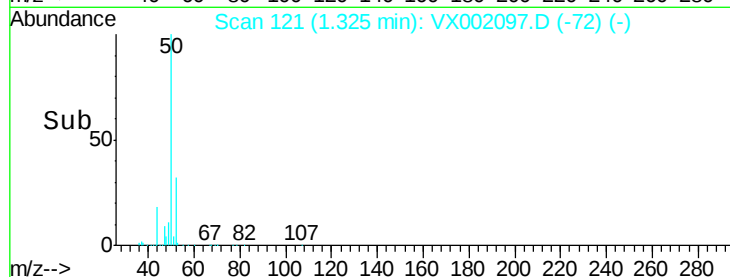
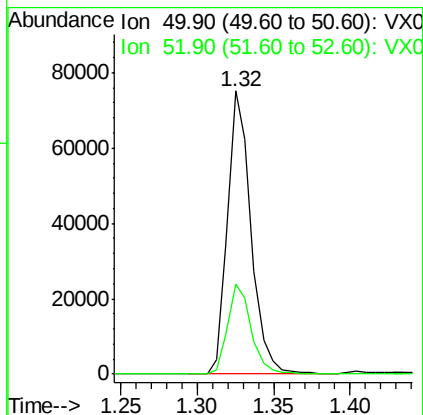
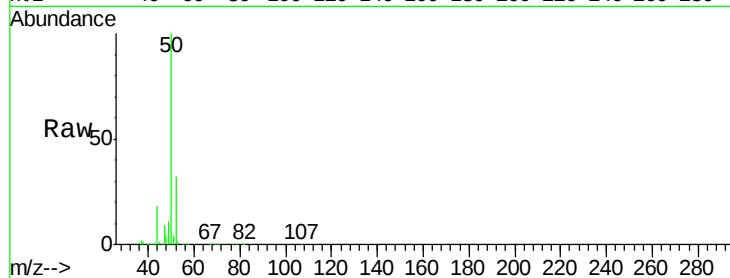
50 100

52 31.8 26.0 39.0

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#4

Vinyl Chloride

Concen: 19.50 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002097.D

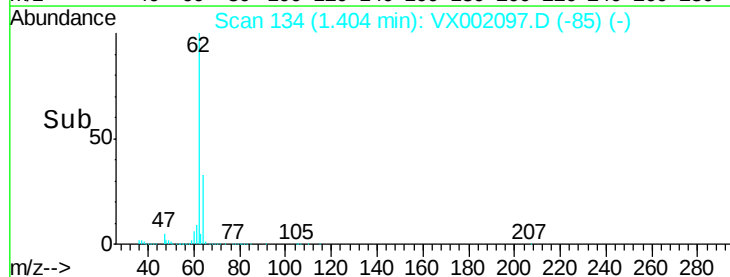
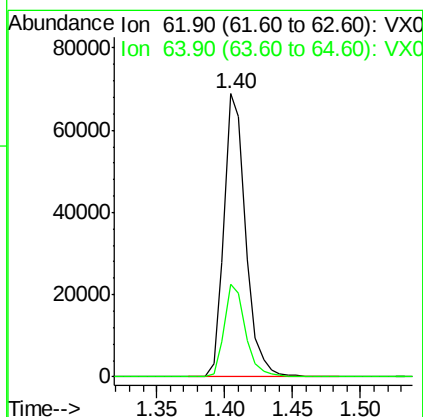
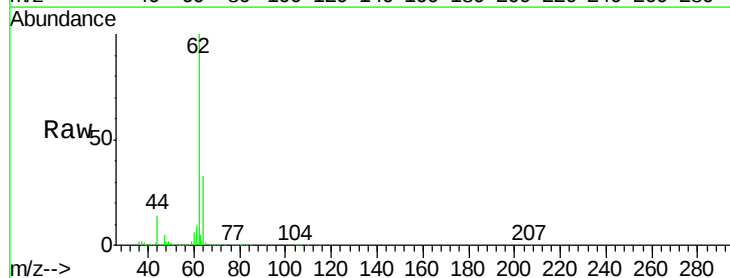
Acq: 29 May 2018 17:06

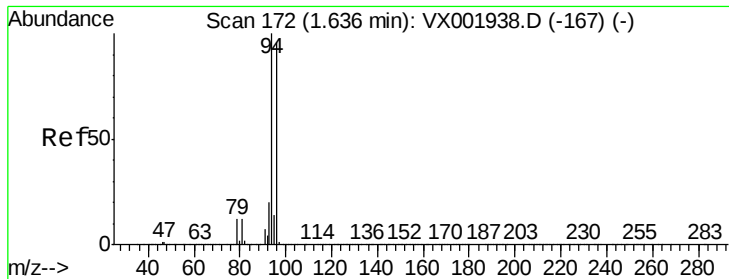
Tgt Ion: 62 Resp: 76625

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0





#5

Bromomethane

Concen: 23.97 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 94 Resp: 44250

Ion Ratio Lower Upper

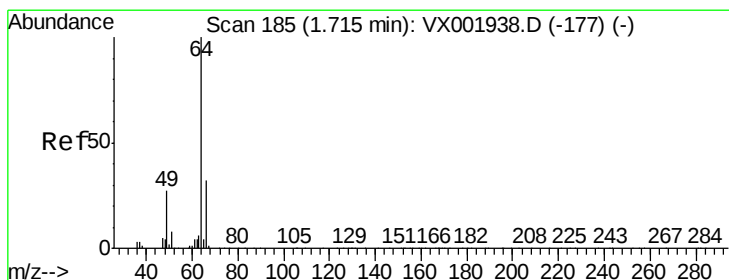
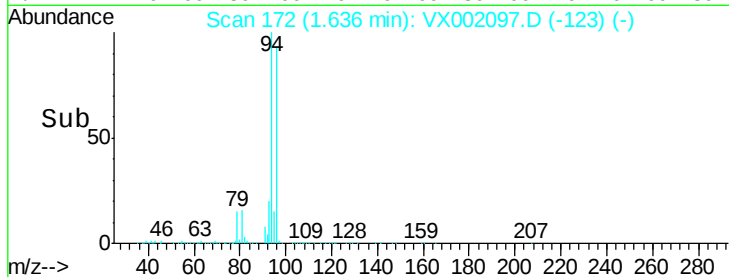
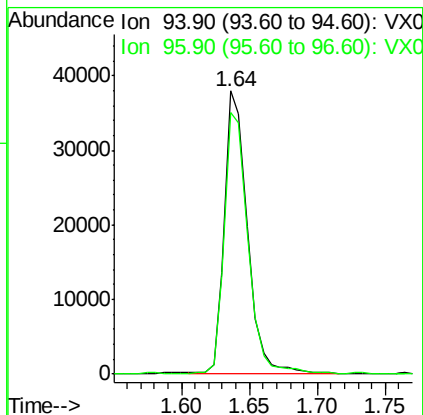
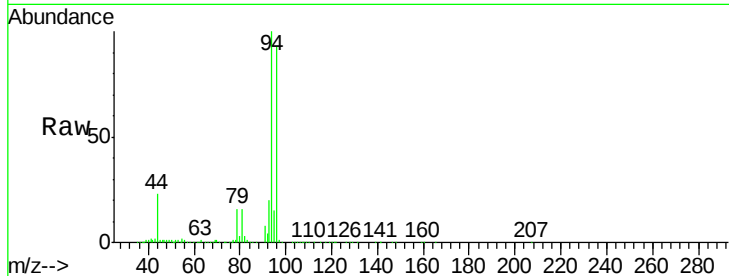
94 100

96 92.5 75.9 113.9

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#6

Chloroethane

Concen: 20.80 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002097.D

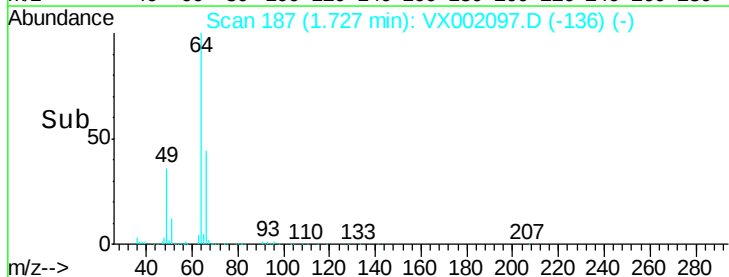
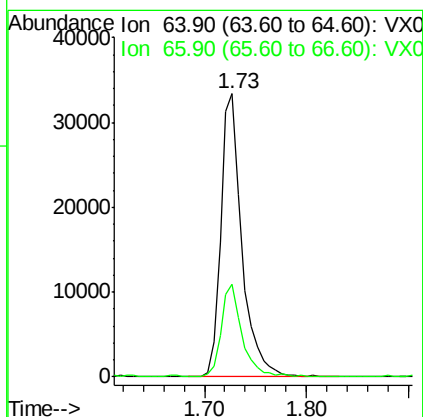
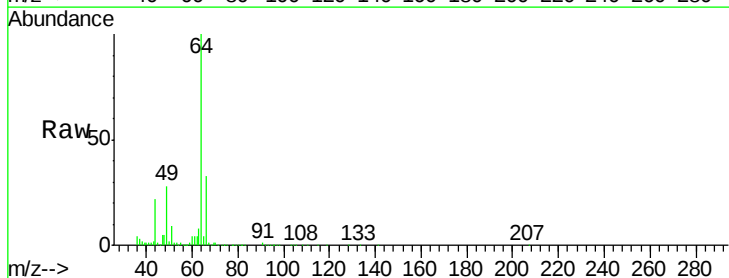
Acq: 29 May 2018 17:06

Tgt Ion: 64 Resp: 48167

Ion Ratio Lower Upper

64 100

66 32.4 25.6 38.4





#7

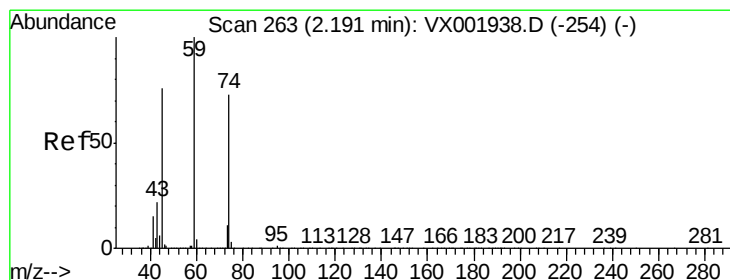
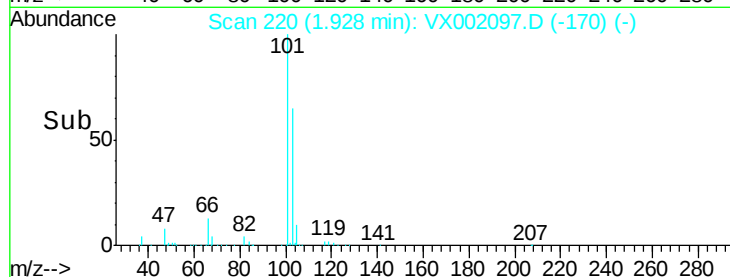
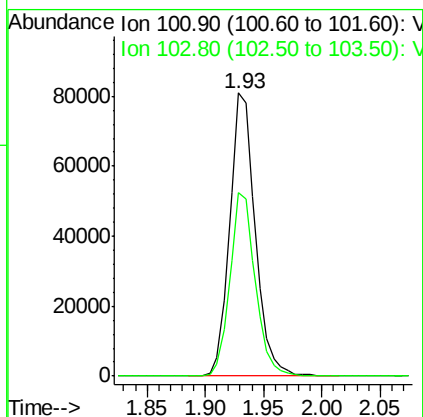
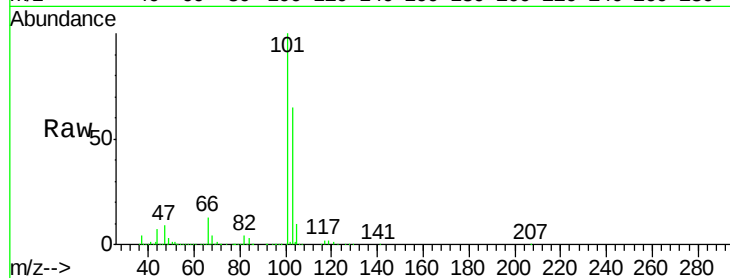
Trichlorofluoromethane
Concen: 20.90 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Instrument :
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ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.4	77.0

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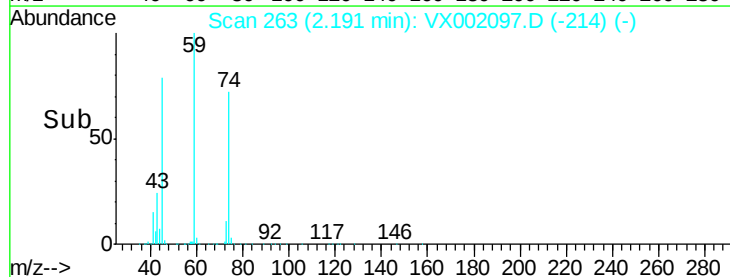
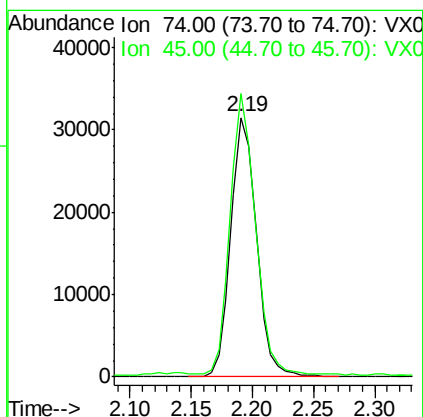
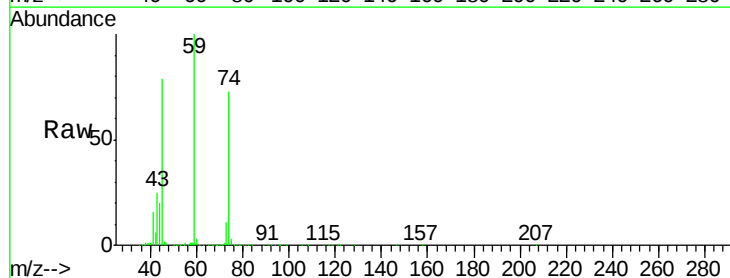
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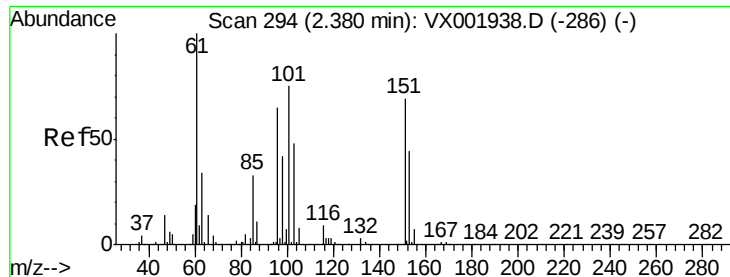


#8

Diethyl Ether
Concen: 21.40 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.2	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.03 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

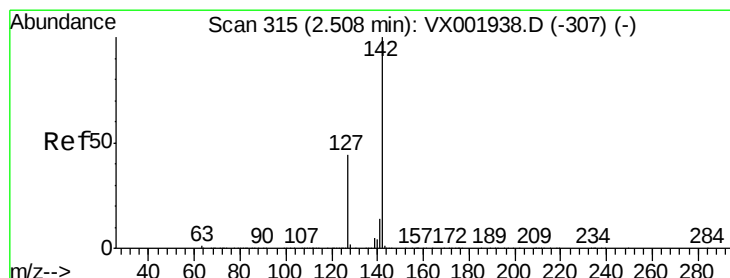
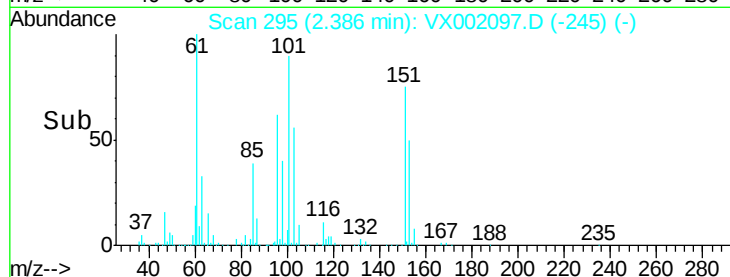
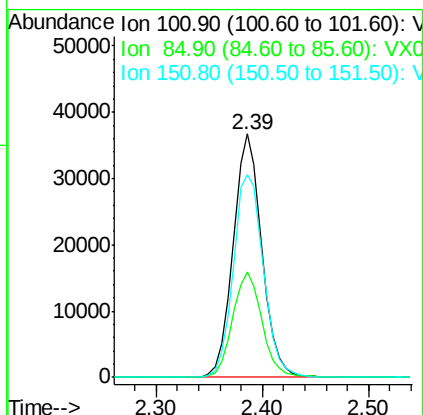
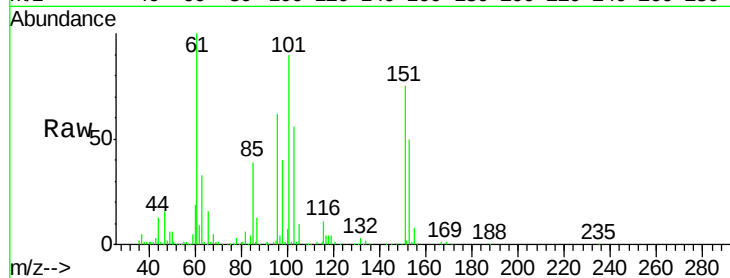
ClientSampleId :

VX0529WBSD01

Tot Ion:	101	Resp:	69244
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.6	53.4
151	87.9	73.2	109.8

Manual Integrations
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5/30/2018 1:50:57 PM



#10

Methyl Iodide

Concen: 17.26 ug/l

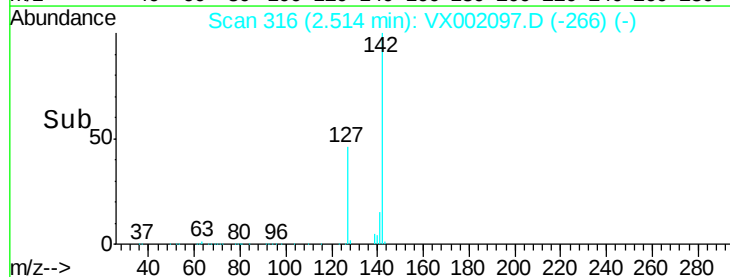
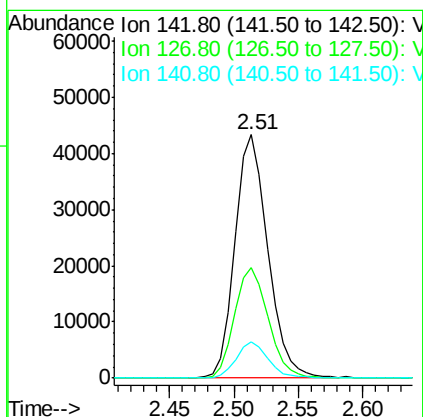
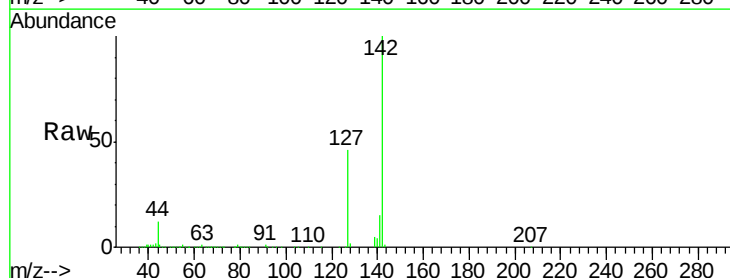
RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Tgt Ion:	142	Resp:	76899
Ion Ratio	Lower	Upper	
142	100		
127	46.5	35.5	53.3
141	14.8	11.3	16.9





#11

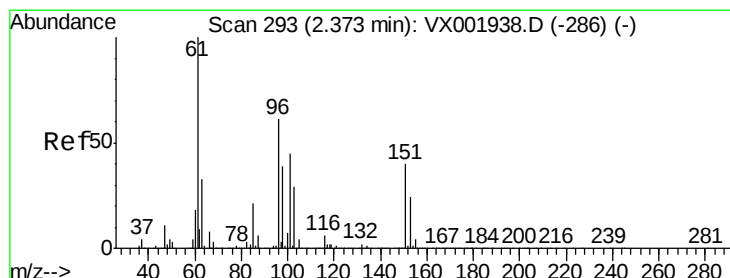
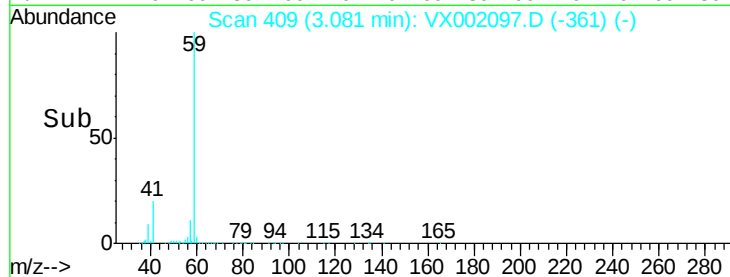
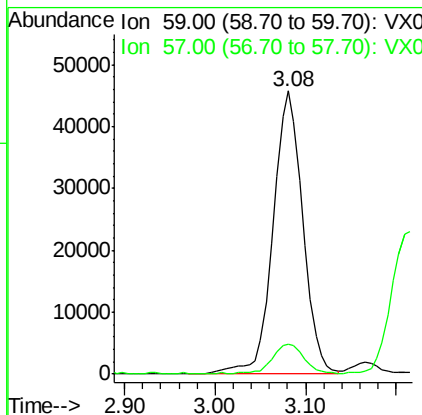
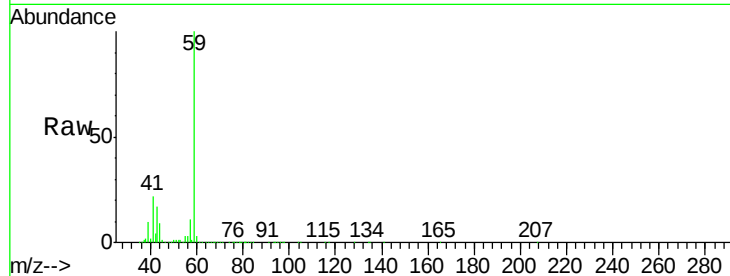
Tert butyl alcohol
 Concen: 111.89 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX002097.D
 Acq: 29 May 2018 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.9	13.3

Manual Integrations
 APPROVED

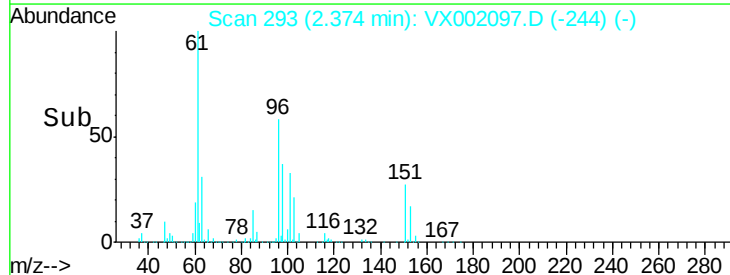
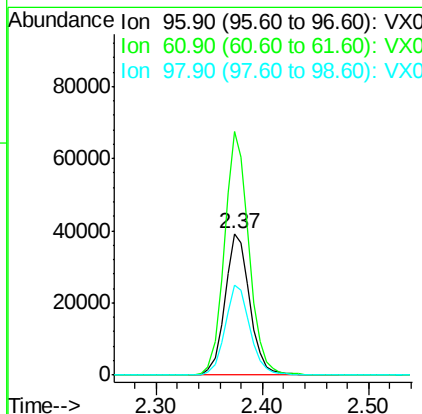
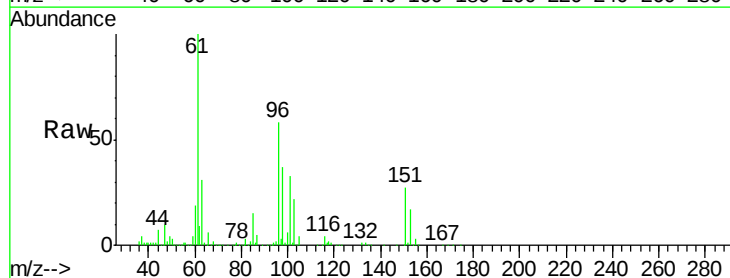
MMDadoda
 5/30/2018 1:50:57 PM

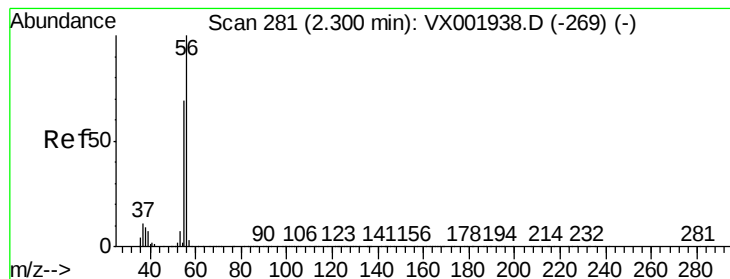


#12

1,1-Dichloroethene
 Concen: 20.76 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX002097.D
 Acq: 29 May 2018 17:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.8	131.7	197.5
98	63.0	51.6	77.4





#13

Acrolein

Concen: 101.82 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 56 Resp: 40853

Ion Ratio Lower Upper

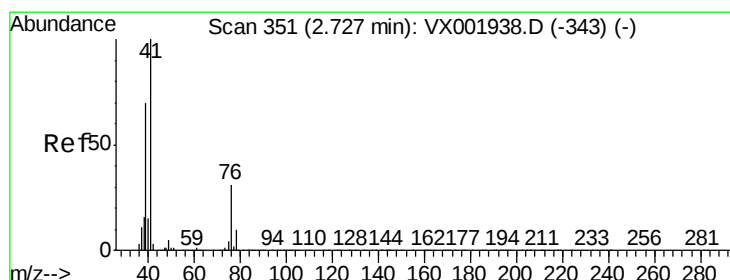
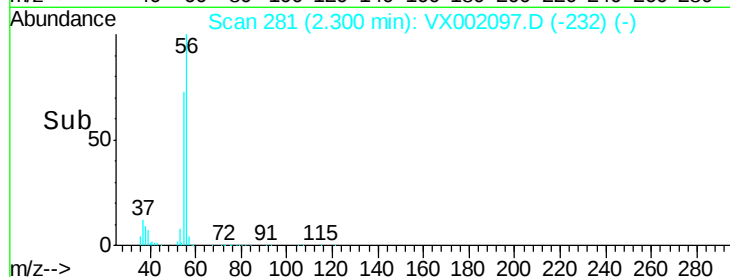
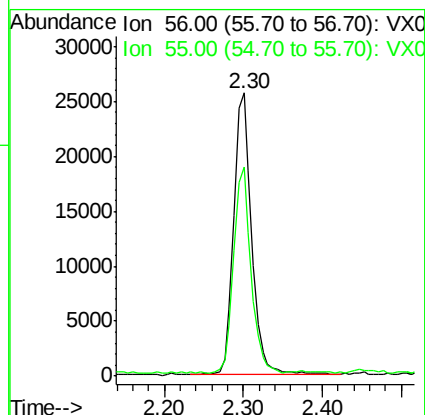
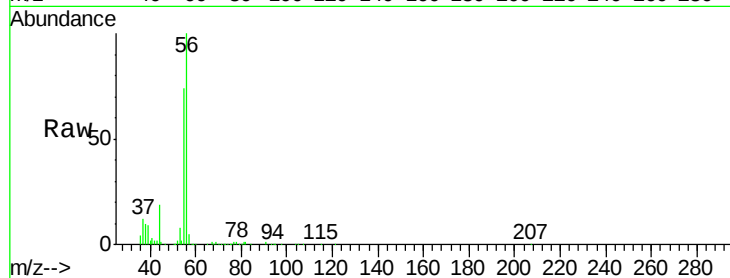
56 100

55 71.4 56.8 85.2

Manual Integrations
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MMDadoda

5/30/2018 1:50:57 PM



#14

Allyl chloride

Concen: 21.25 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

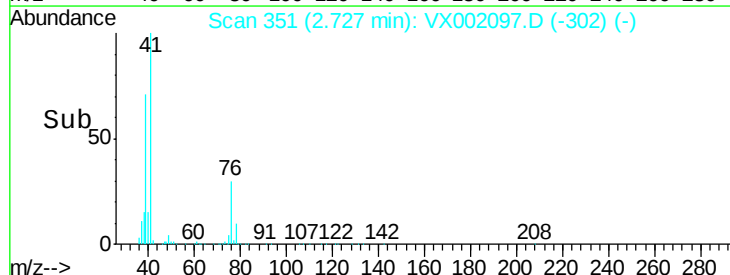
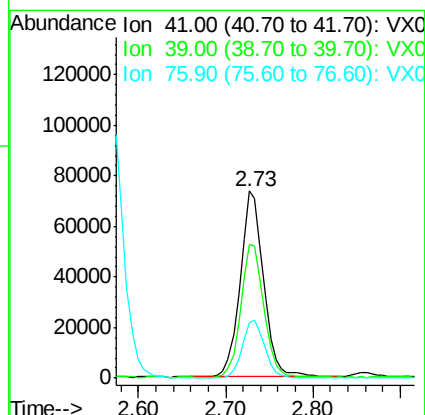
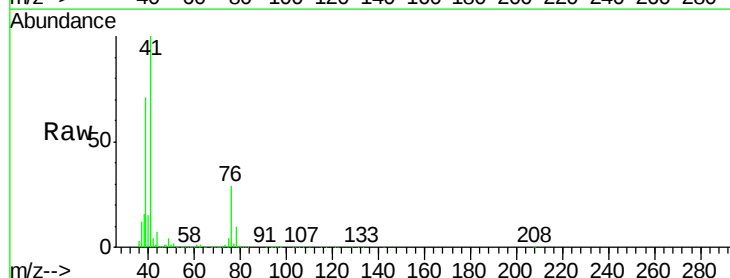
Tgt Ion: 41 Resp: 137479

Ion Ratio Lower Upper

41 100

39 69.8 54.3 81.5

76 30.0 24.2 36.4





#15

Acrylonitrile

Concen: 107.23 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

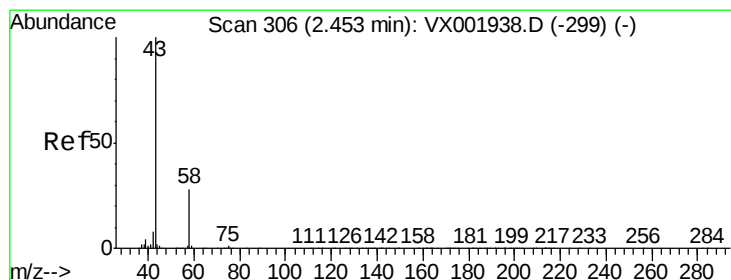
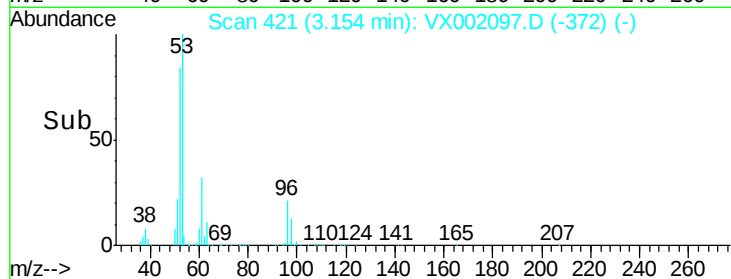
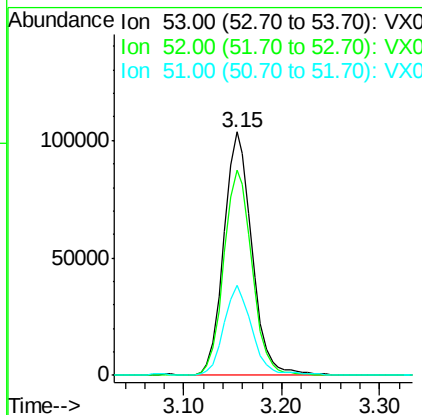
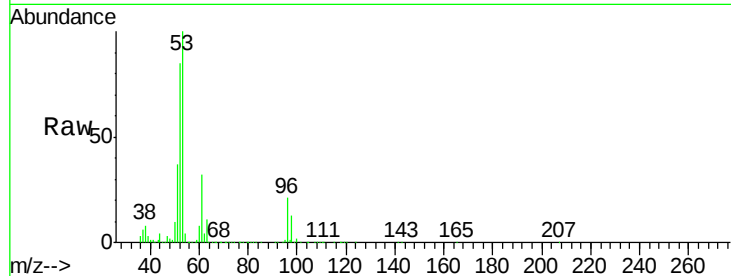
ClientSampleId :

VX0529WBSD01

Tot Ion:	53	Resp:	204616
Ion Ratio	Lower	Upper	
53	100		
52	84.9	66.4	99.6
51	37.1	29.3	43.9

Manual Integrations
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5/30/2018 1:50:57 PM



#16

Acetone

Concen: 117.18 ug/l

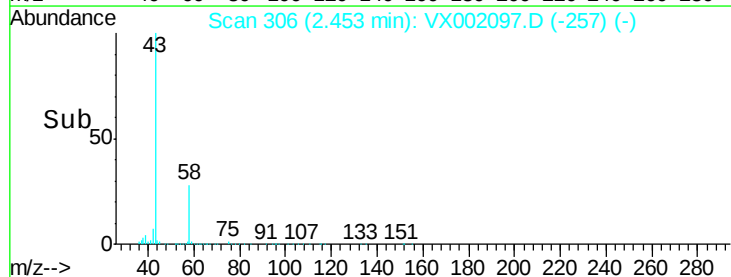
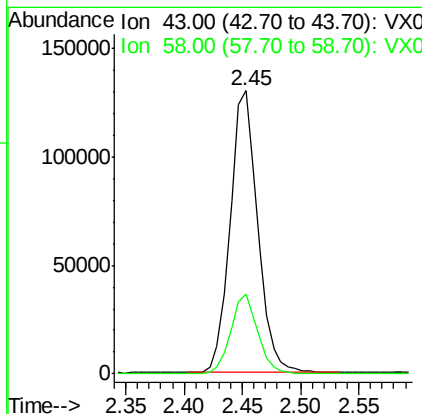
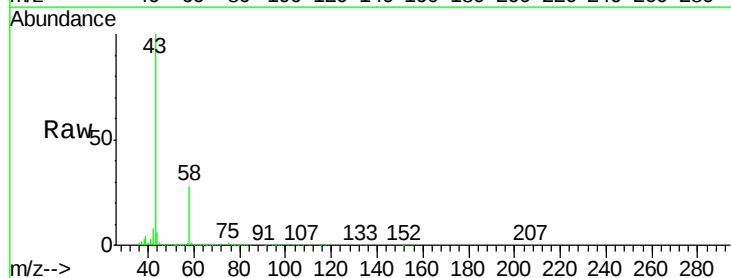
RT: 2.45 min Scan# 306

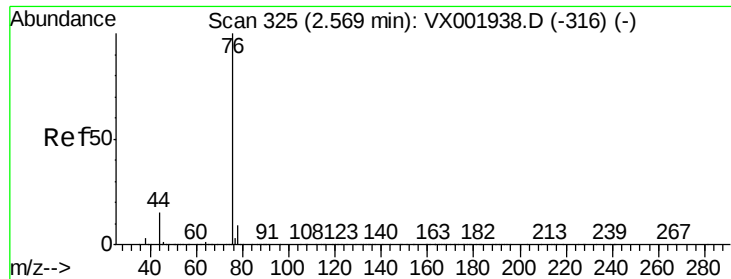
Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Tgt Ion:	43	Resp:	213798
Ion Ratio	Lower	Upper	
43	100		
58	28.0	22.3	33.5





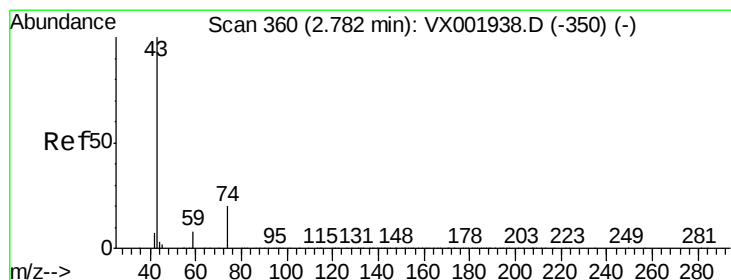
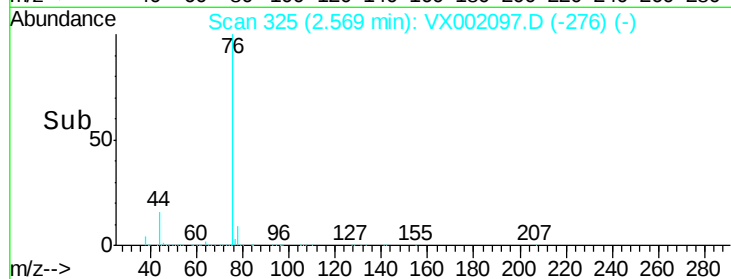
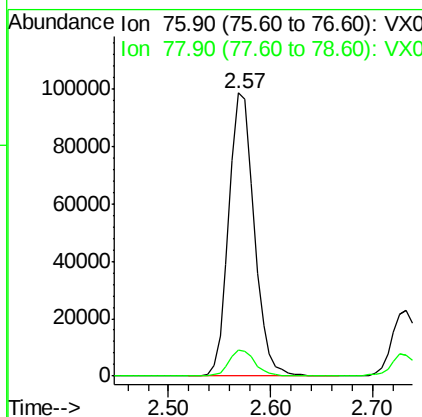
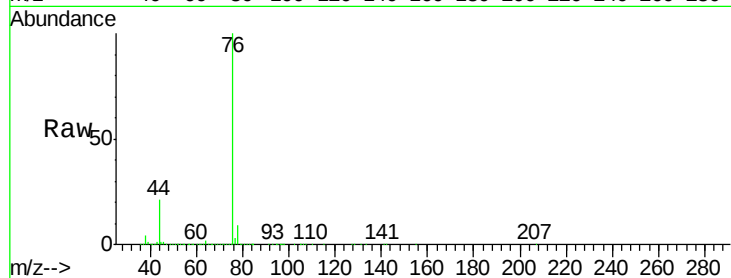
#17
Carbon Disulfide
Concen: 19.16 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

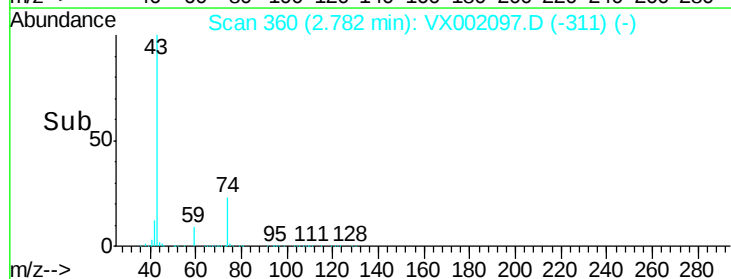
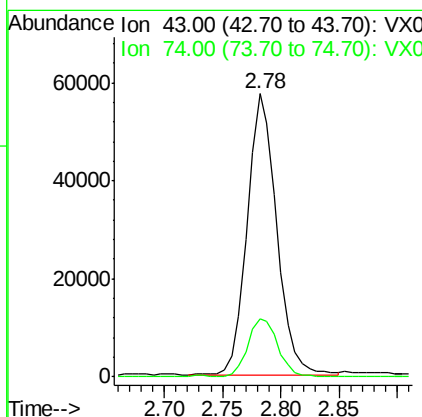
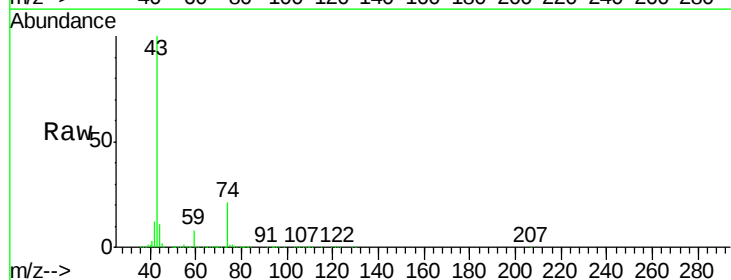
Manual Integrations
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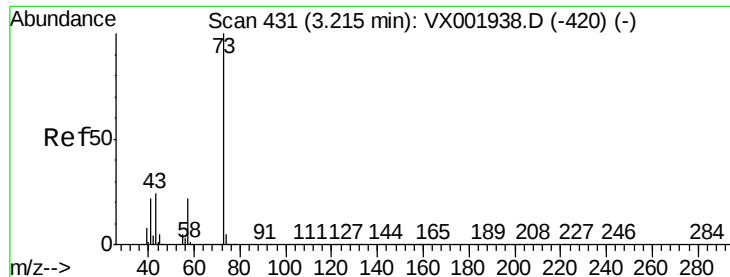
MMDadoda
5/30/2018 1:50:57 PM



#18
Methyl Acetate
Concen: 22.37 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	16.8	25.2





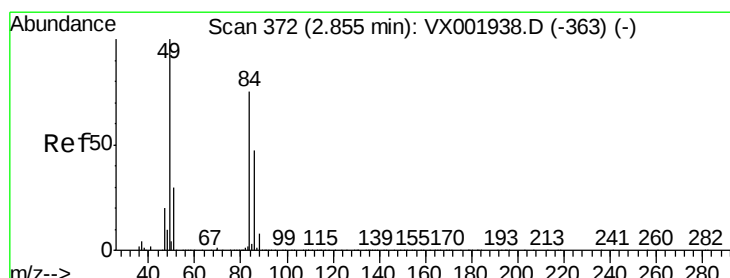
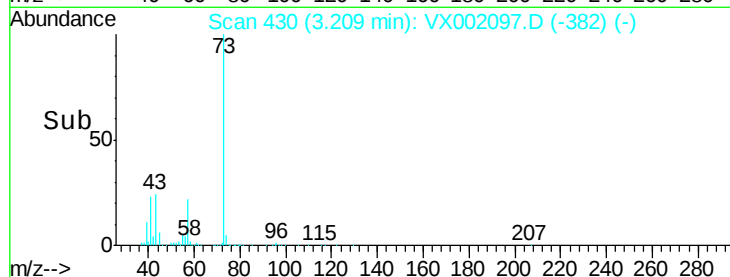
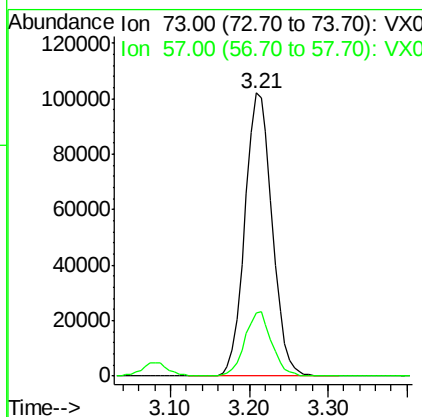
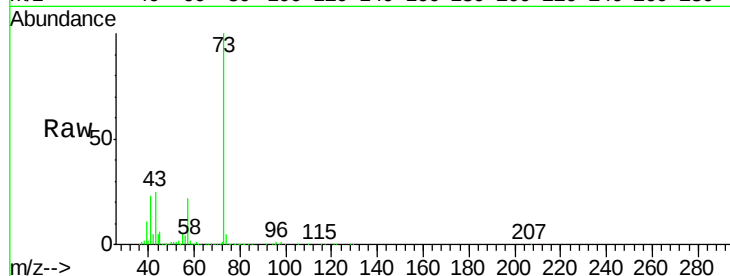
#19
Methvl tert-butvl Ether
Concen: 21.16 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.4	26.0

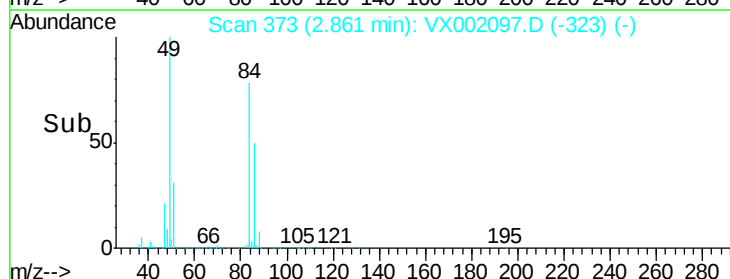
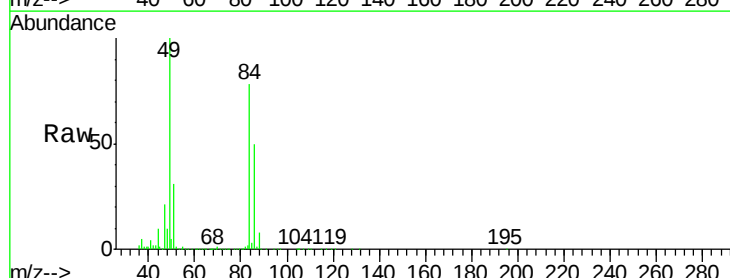
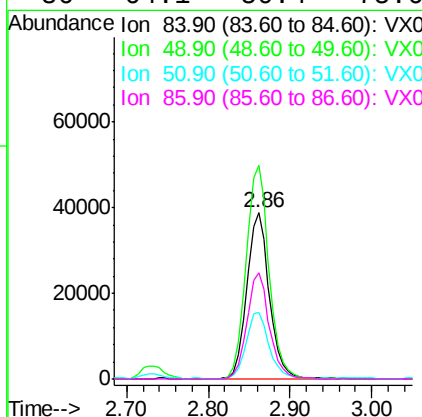
Manual Integrations
APPROVED

MMDadoda
5/30/2018 1:50:57 PM



#20
Methylene Chloride
Concen: 22.61 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.3	107.2	160.8
51	39.7	32.4	48.6
86	64.1	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 21.78 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

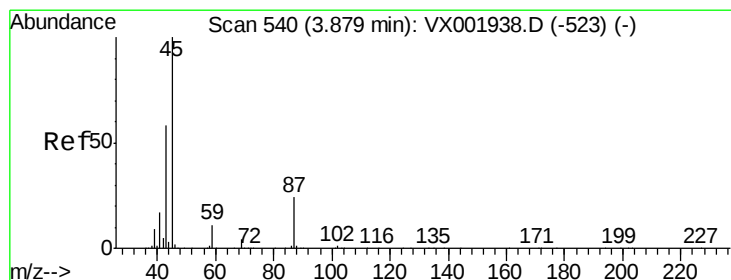
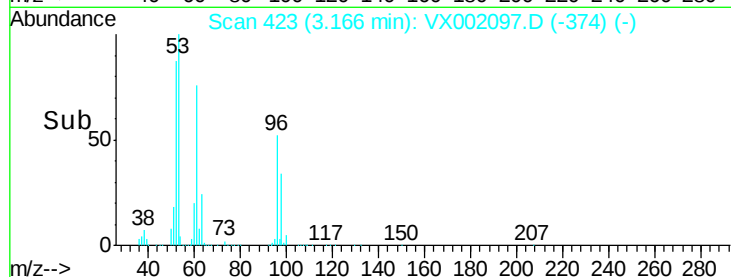
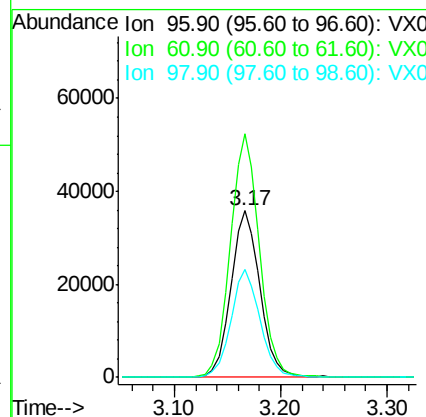
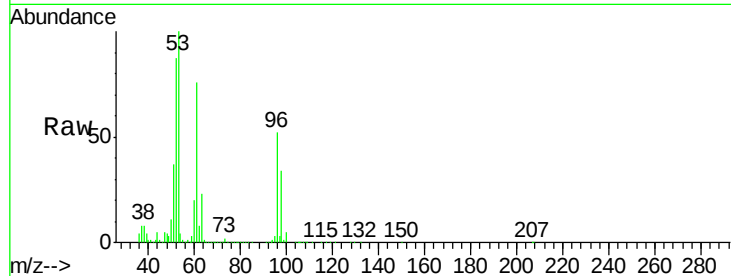
ClientSampleId :

VX0529WBSD01

Tot Ion:	96	Resp:	68043
Ion	Ratio	Lower	Upper
96	100		
61	146.0	113.3	169.9
98	64.5	51.7	77.5

Manual Integrations
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5/30/2018 1:50:57 PM



#22

Diisopropyl ether

Concen: 18.60 ug/l

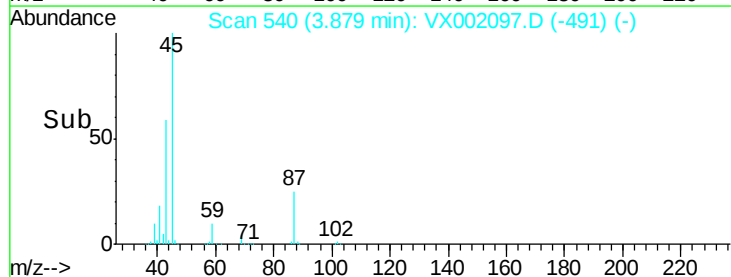
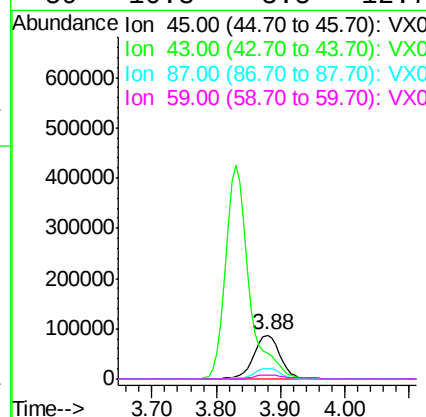
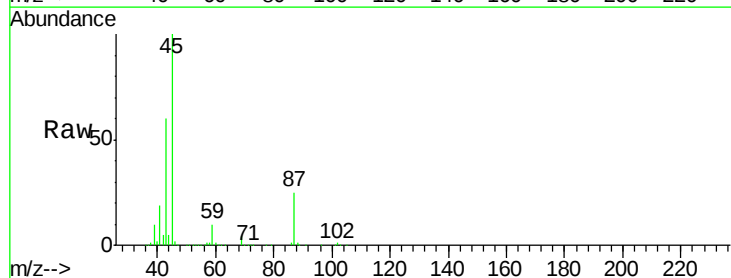
RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Tgt Ion:	45	Resp:	244765
Ion	Ratio	Lower	Upper
45	100		
43	59.6	47.0	70.6
87	24.6	19.4	29.0
59	10.3	8.5	12.7





#23

Vinyl Acetate

Concen: 100.23 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 43 Resp: 1093787

Ion Ratio Lower Upper

43 100

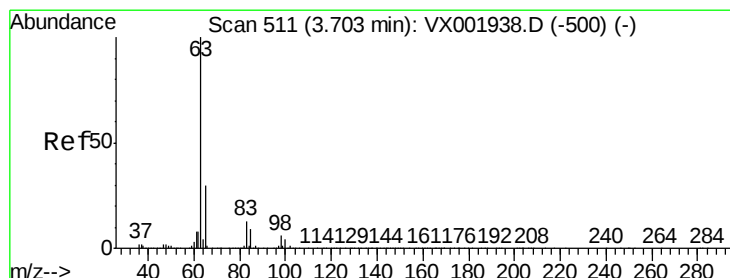
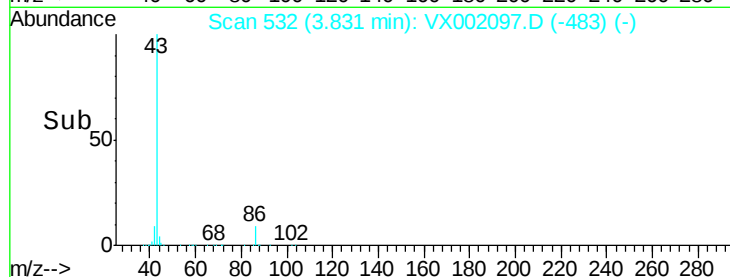
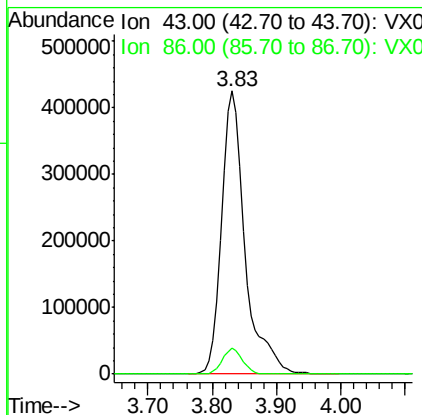
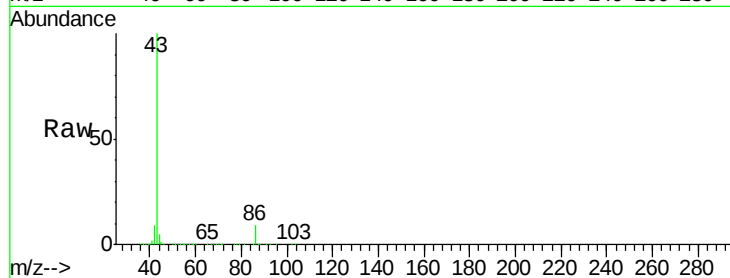
86 9.0 7.6 11.4

Manual Integrations

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5/30/2018 1:50:57 PM



#24

1,1-Dichloroethane

Concen: 20.02 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

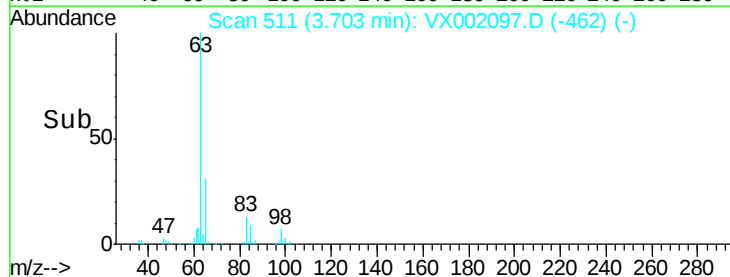
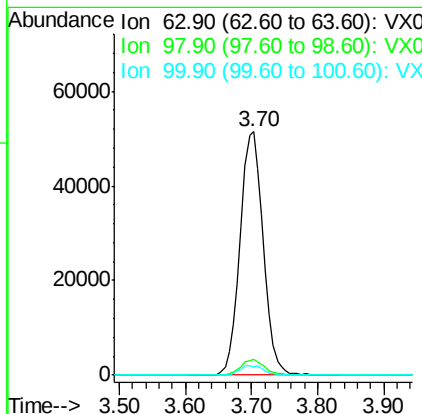
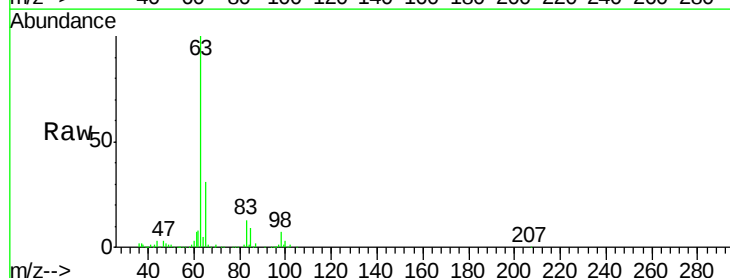
Tgt Ion: 63 Resp: 125151

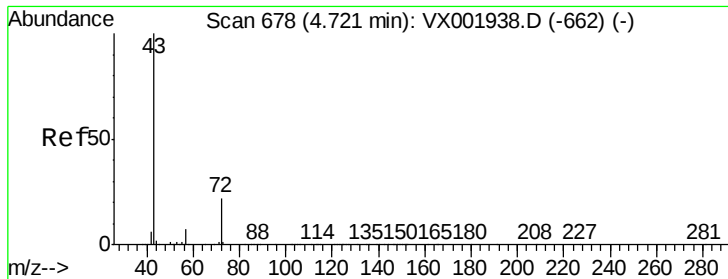
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 3.4 2.1 6.5





#25

2-Butanone

Concen: 91.29 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 43 Resp: 305274

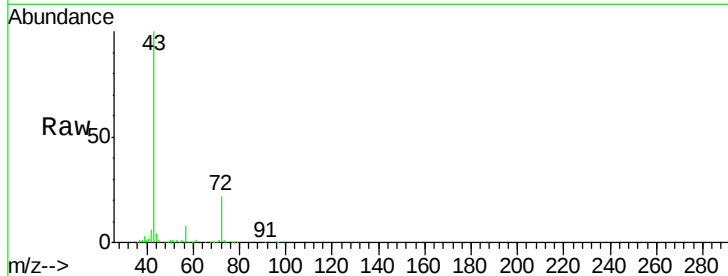
Ion Ratio Lower Upper

43 100

72 22.2 17.9 26.9

Manual Integrations
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5/30/2018 1:50:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

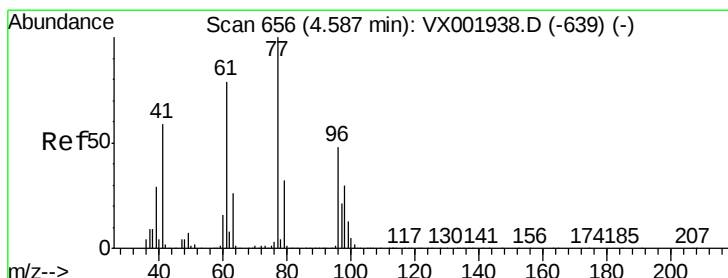
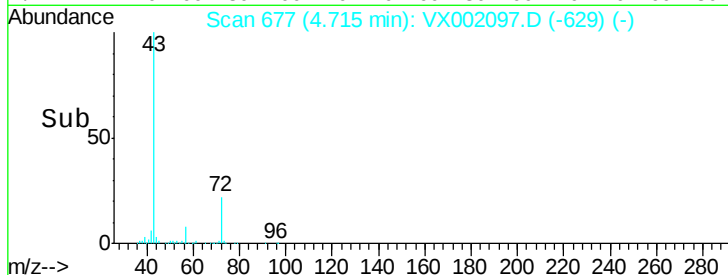
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 17.19 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002097.D

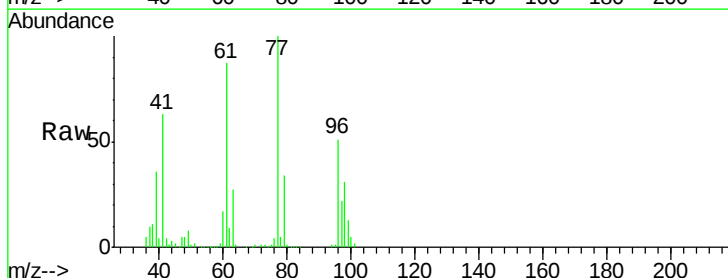
Acq: 29 May 2018 17:06

Tgt Ion: 77 Resp: 108772

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

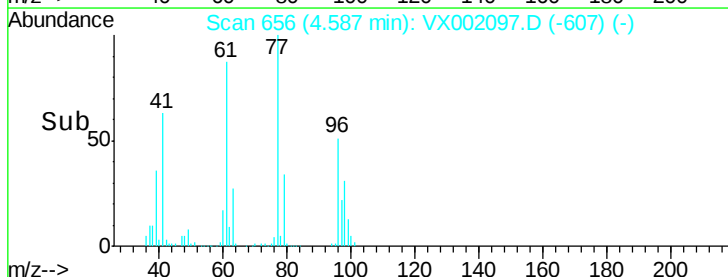
20000

10000

0

4.40 4.50 4.60 4.70 4.80

Time-->





#27

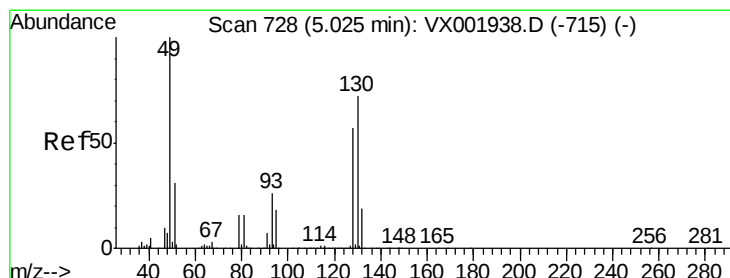
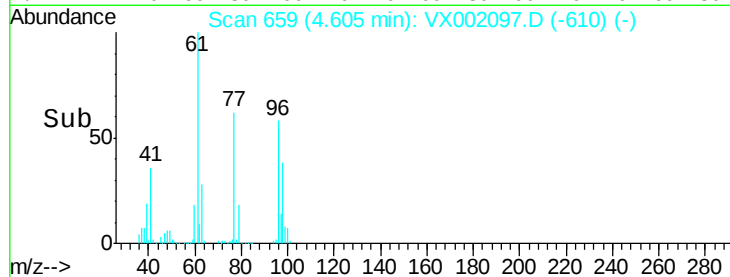
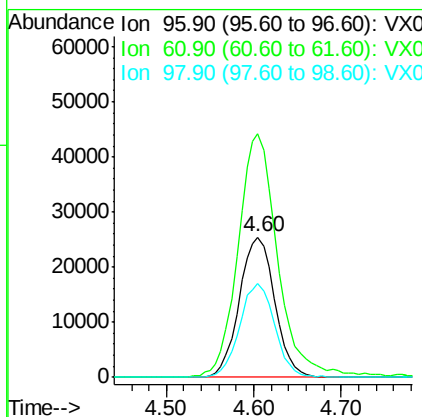
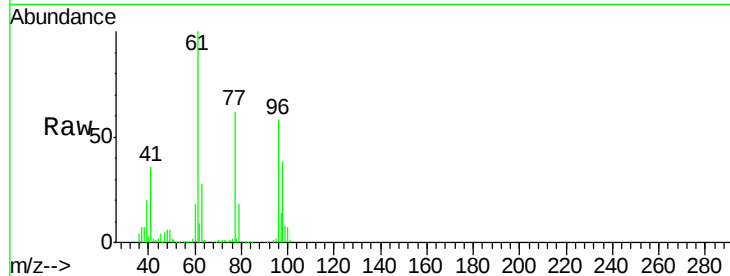
cis-1,2-Dichloroethene
Concen: 17.90 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	194.8	0.0	348.4
98	65.9	0.0	128.6

Manual Integrations
APPROVED

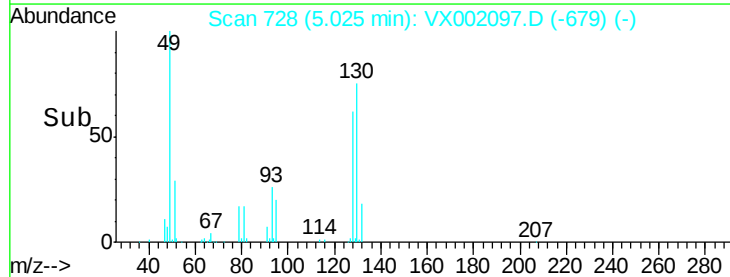
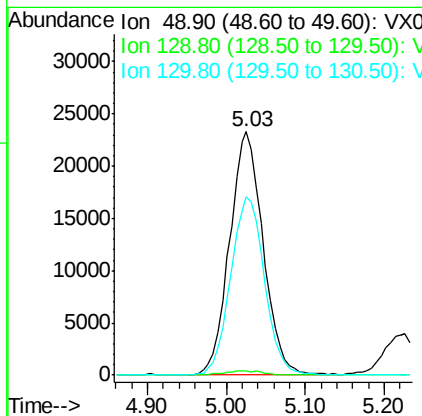
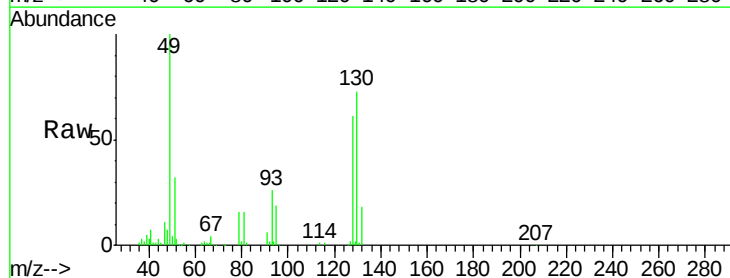
MMDadoda
5/30/2018 1:50:57 PM

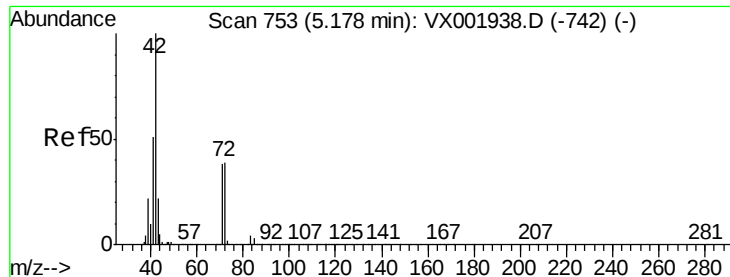


#28

Bromochloromethane
Concen: 25.16 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	73.7	59.4	89.2





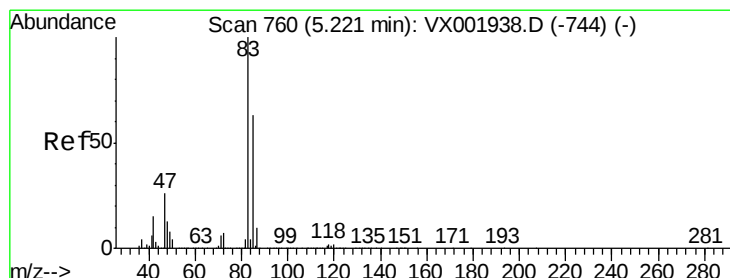
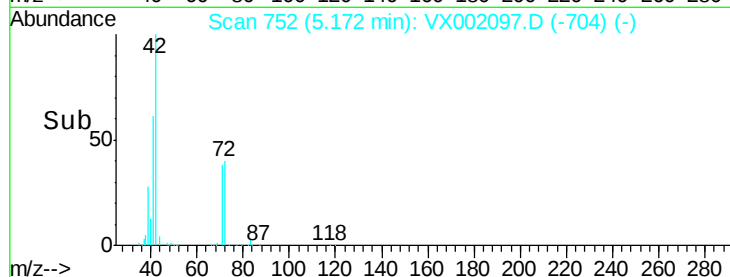
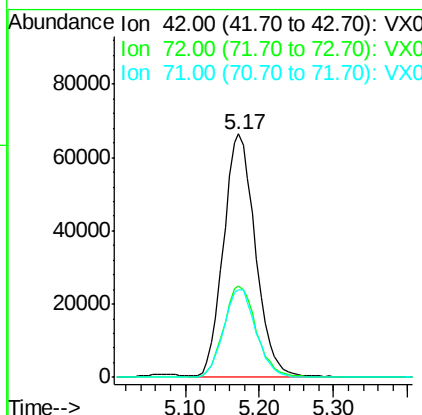
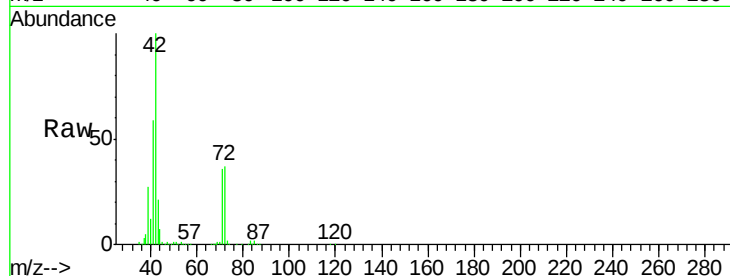
#29
Tetrahydrofuran
Concen: 90.73 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	31.4	47.0
71	36.8	29.5	44.3

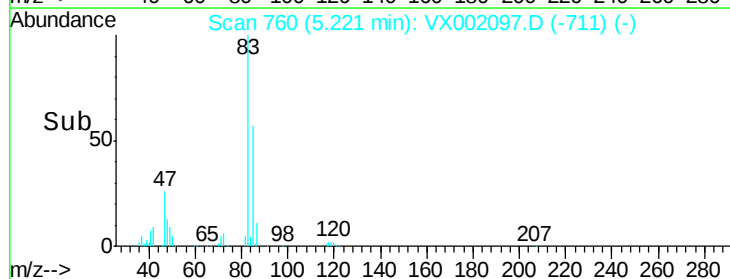
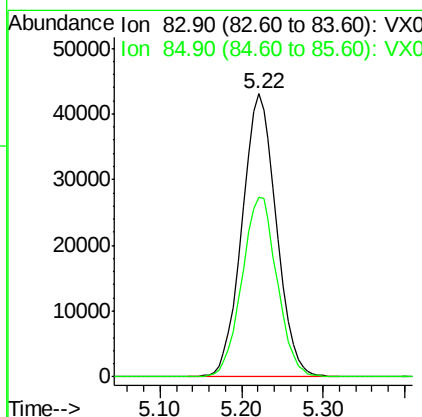
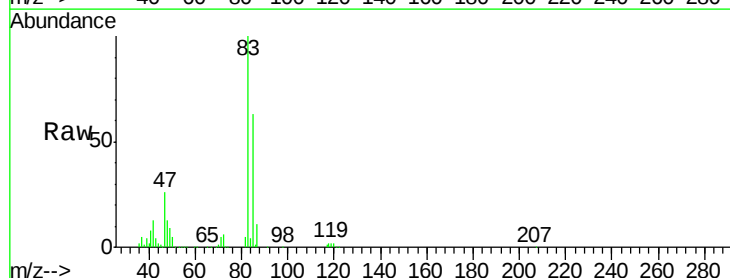
Manual Integrations
APPROVED

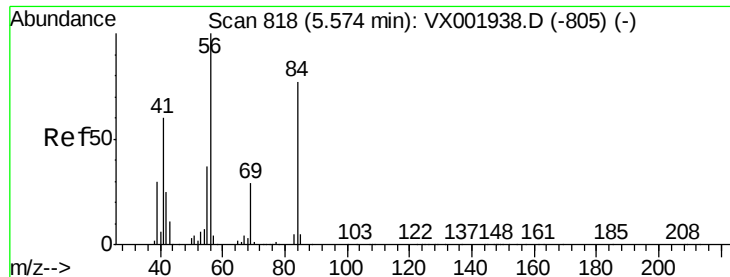
MMDadoda
5/30/2018 1:50:57 PM



#30
Chloroform
Concen: 17.87 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.9	76.3





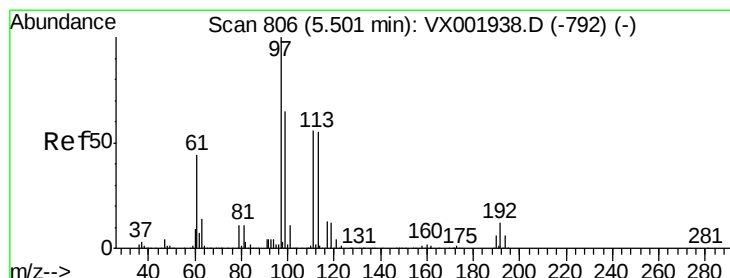
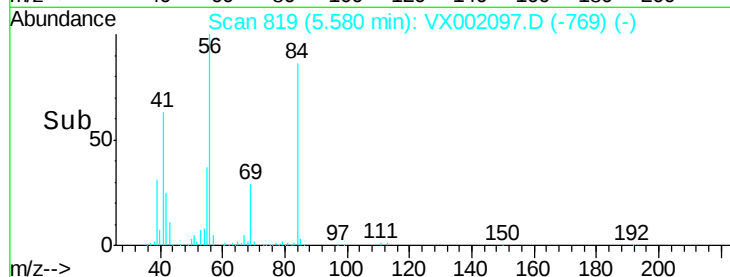
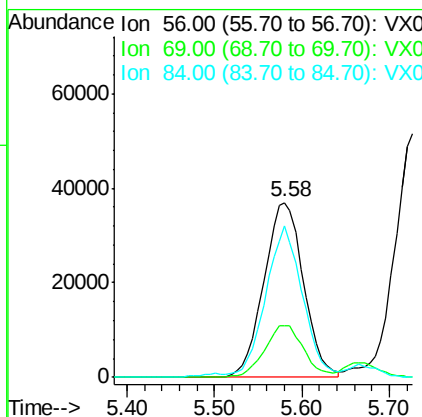
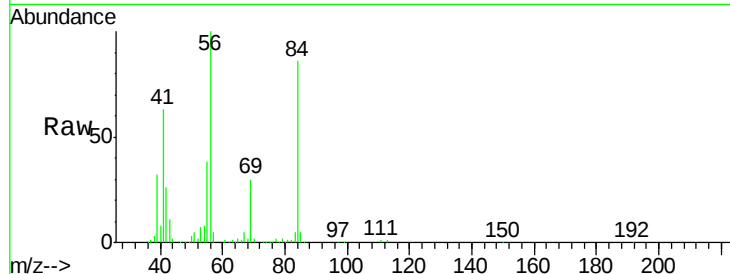
#31
Cyclohexane
Concen: 17.82 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.1	34.7
84	85.6	62.0	93.0

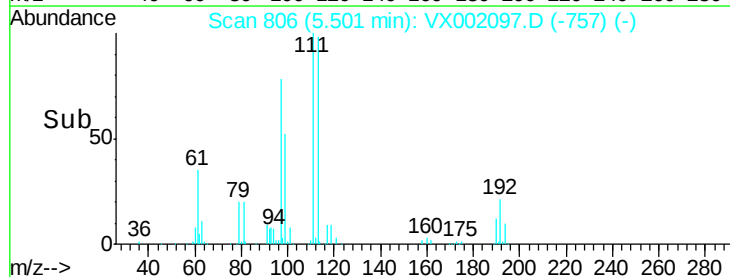
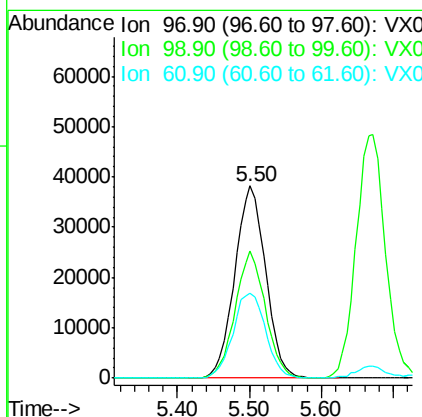
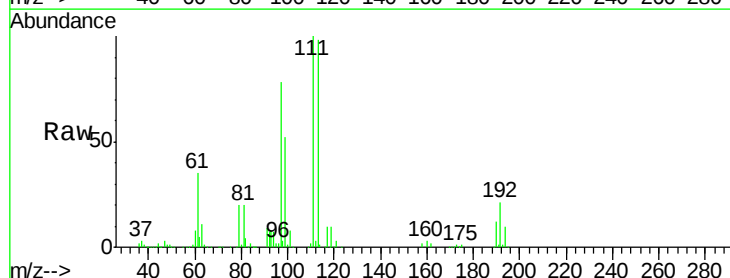
Manual Integrations
APPROVED

MMDadoda
5/30/2018 1:50:57 PM



#32
1,1,1-Trichloroethane
Concen: 17.35 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.9	77.9
61	47.0	35.9	53.9





#33

1,2-Dichloroethane-d4

Concen: 41.20 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 65 Resp: 194790

Ion Ratio Lower Upper

65 100

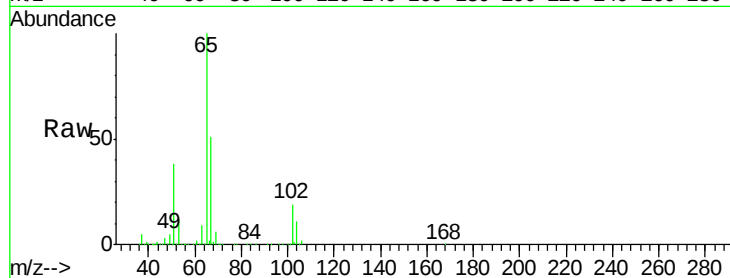
67 51.5 0.0 104.0

Manual Integrations

APPROVED

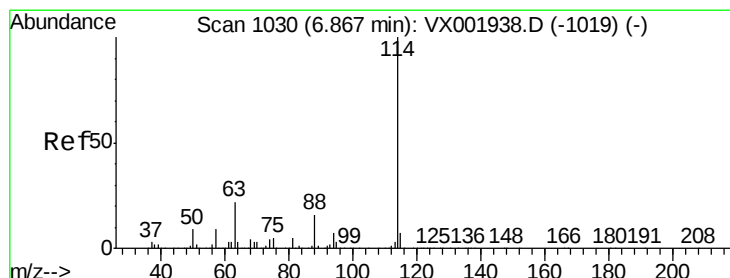
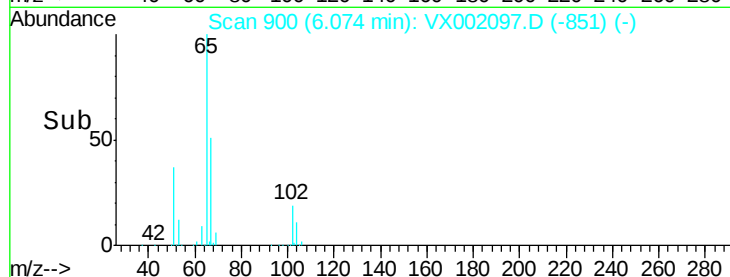
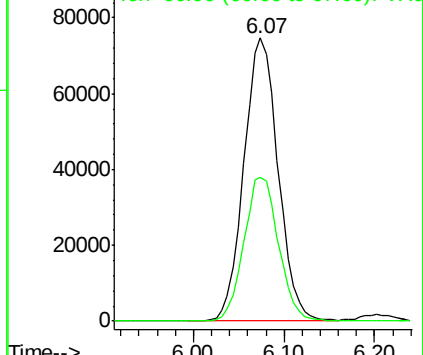
MMDadoda

5/30/2018 1:50:57 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

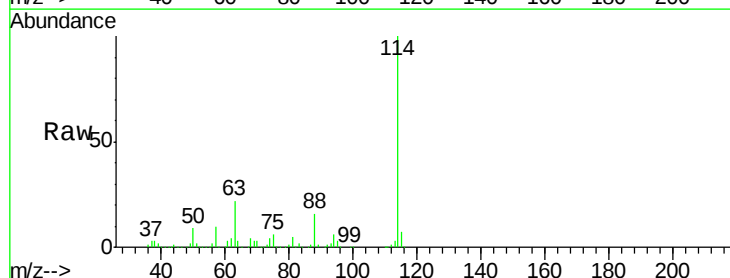
Tgt Ion: 114 Resp: 378872

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

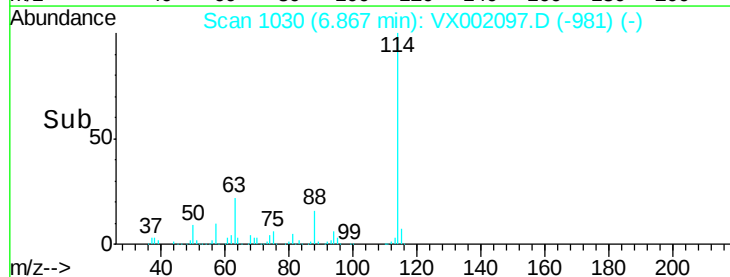
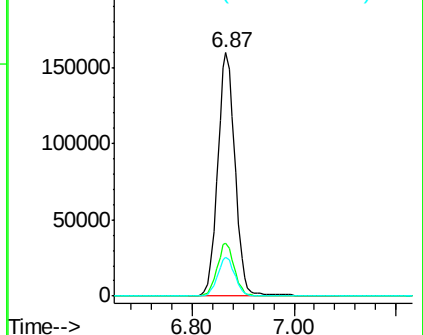
88 16.1 0.0 31.6

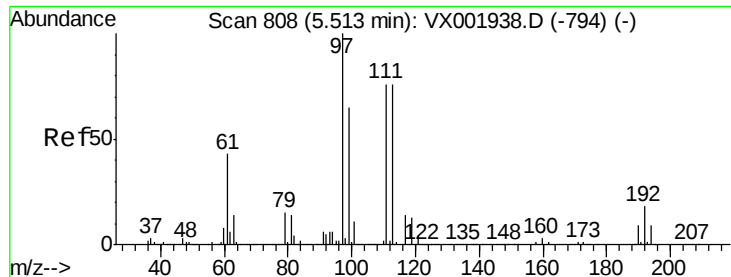


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





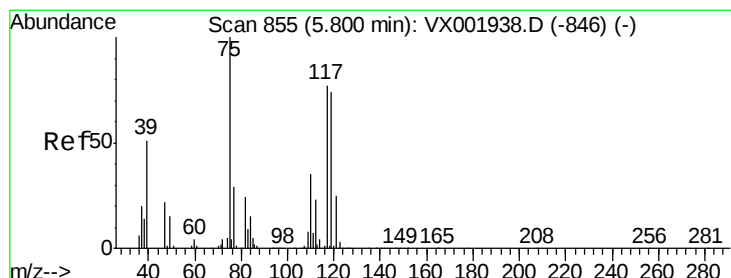
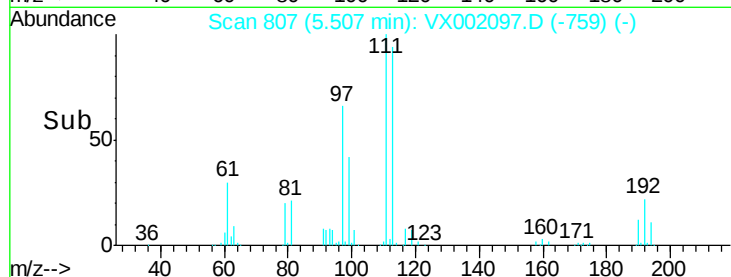
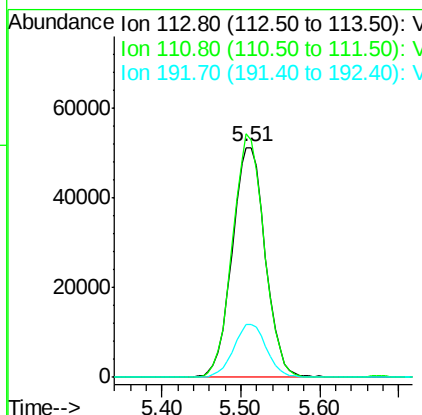
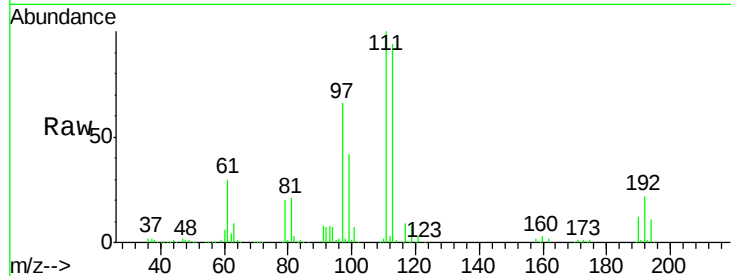
#35
Dibromofluoromethane
Concen: 39.41 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.01 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	149296		
111	101.8	82.0	123.0	
192	22.9	18.9	28.3	

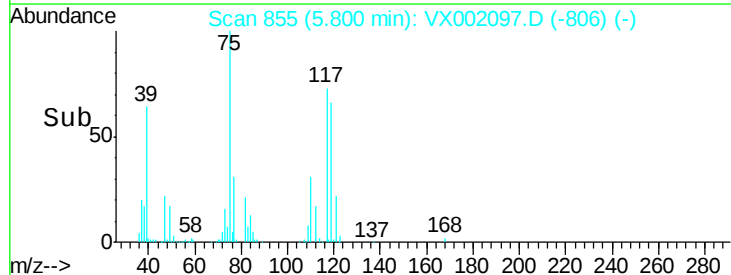
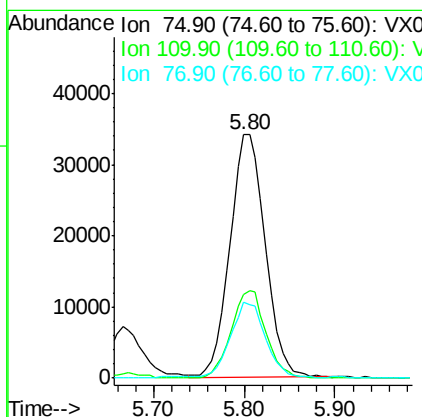
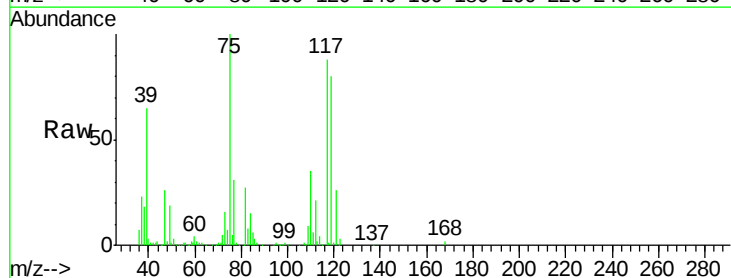
Manual Integrations
APPROVED

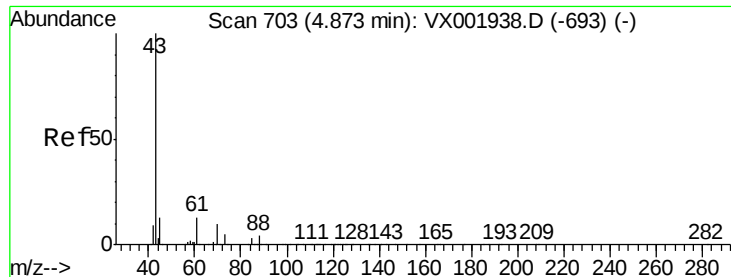
MMDadoda
5/30/2018 1:50:57 PM



#36
1,1-Dichloropropene
Concen: 17.47 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	92043		
110	35.7	17.4	52.2	
77	30.6	24.4	36.6	





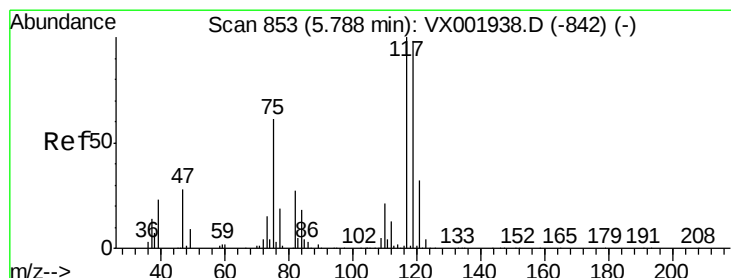
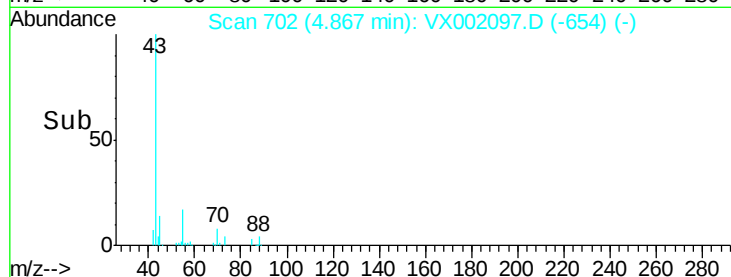
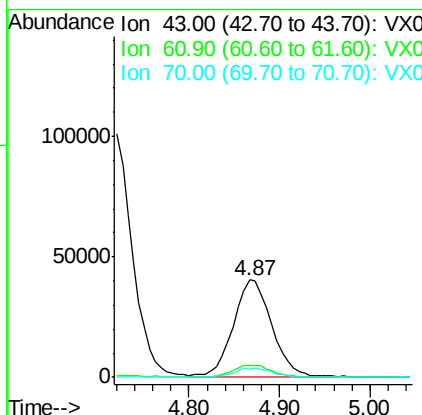
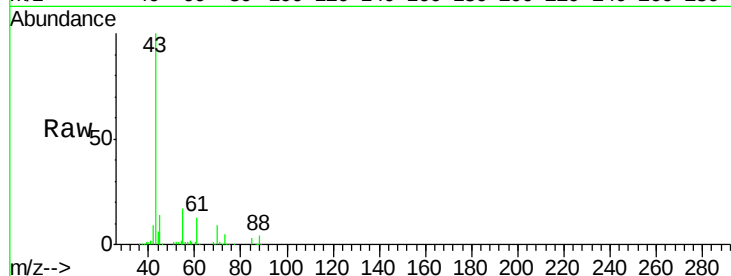
#37
Ethyl Acetate
Concen: 17.02 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.2	15.2
70	9.7	7.8	11.8

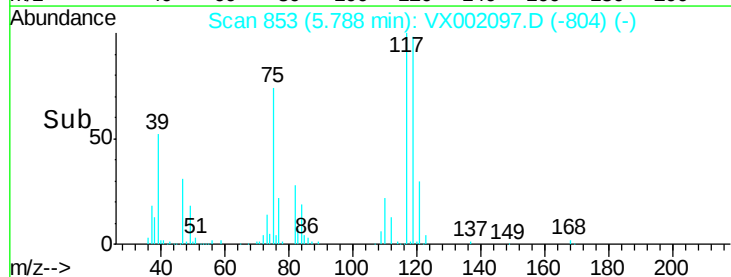
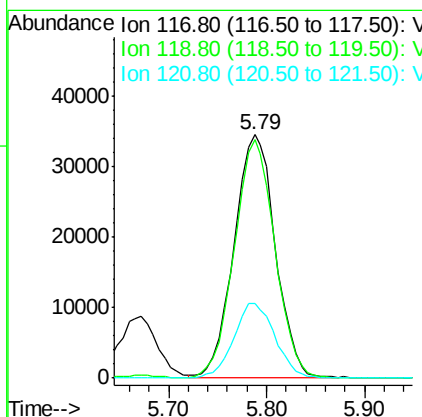
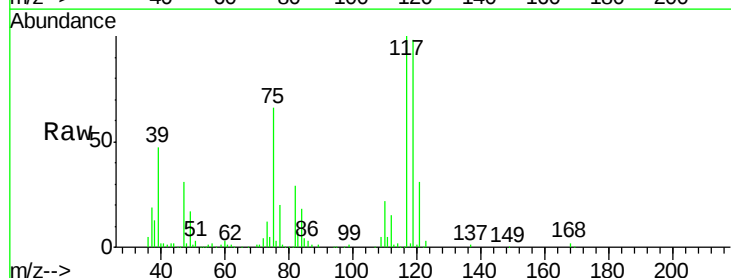
Manual Integrations
APPROVED

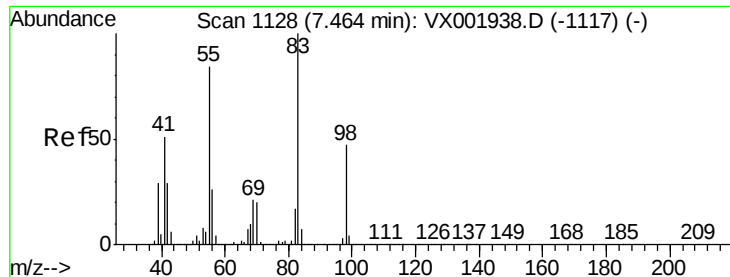
MMDadoda
5/30/2018 1:50:57 PM



#38
Carbon Tetrachloride
Concen: 16.35 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	78.5	117.7
121	30.9	25.5	38.3





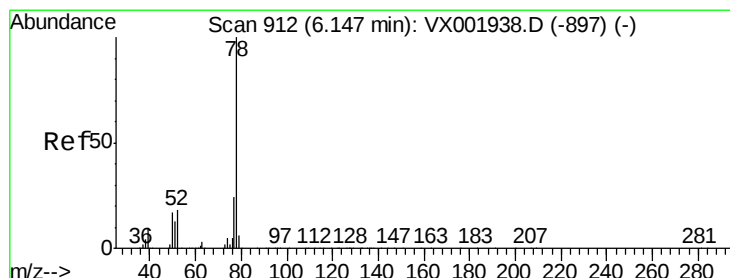
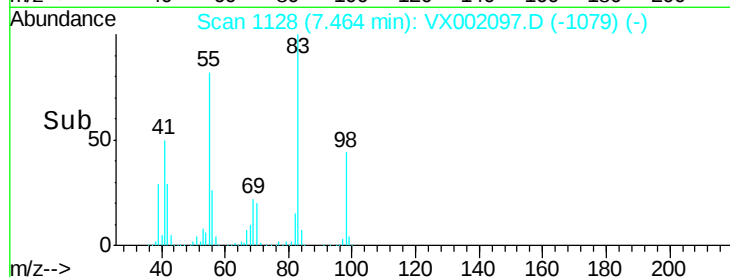
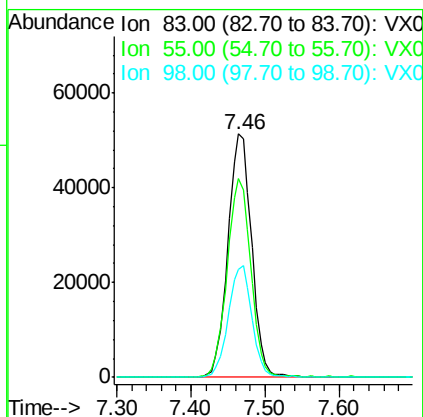
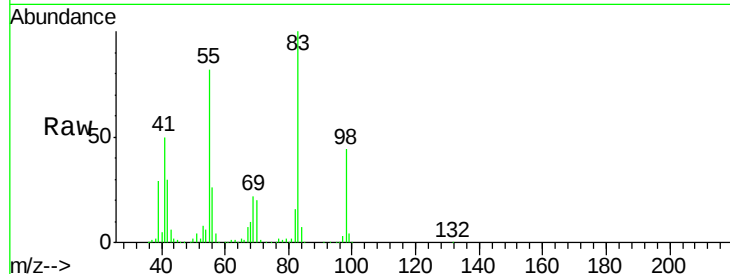
#39
Methvlcvclohexane
Concen: 17.68 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.7	67.3	100.9
98	44.3	37.5	56.3

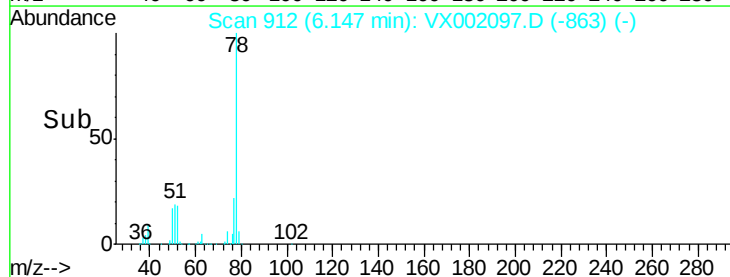
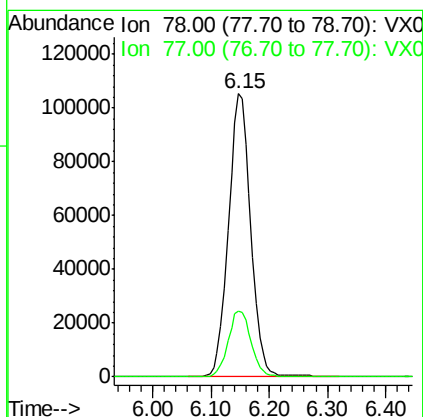
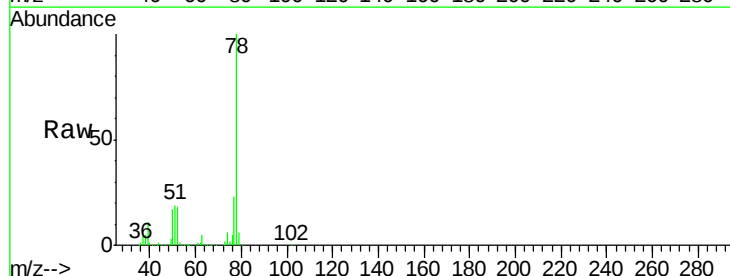
Manual Integrations
APPROVED

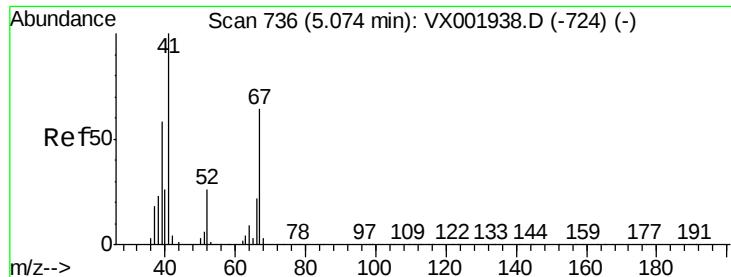
MMDadoda
5/30/2018 1:50:57 PM



#40
Benzene
Concen: 18.14 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.1	28.7





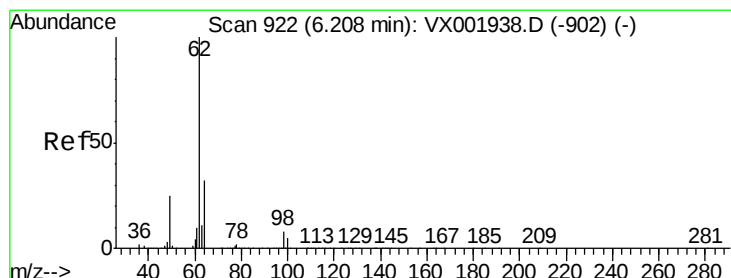
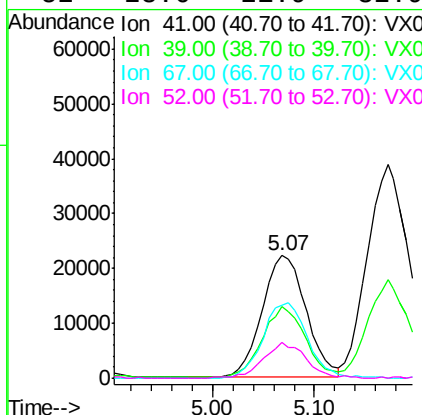
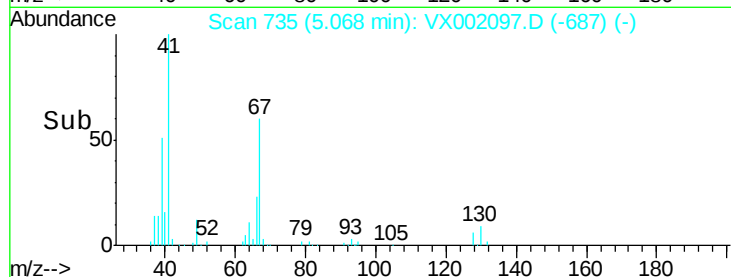
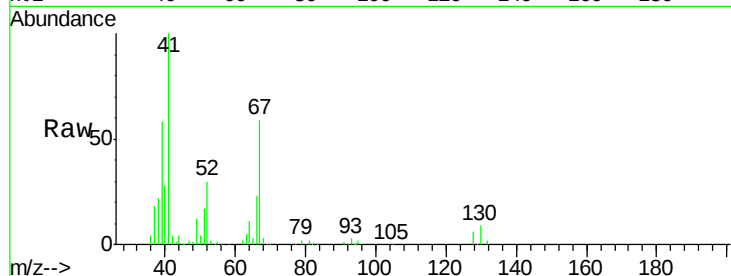
#41
Methacrylonitrile
Concen: 17.47 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		66535		
39	56.5	46.0	69.0		
67	63.0	50.6	75.8		
52	28.6	21.9	32.9		

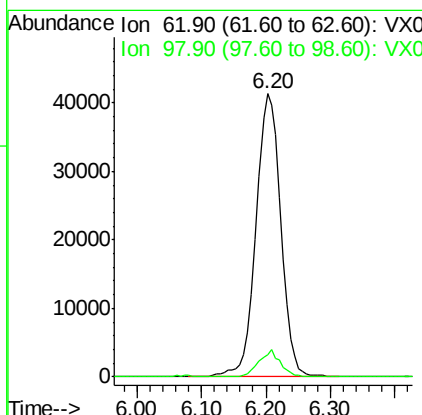
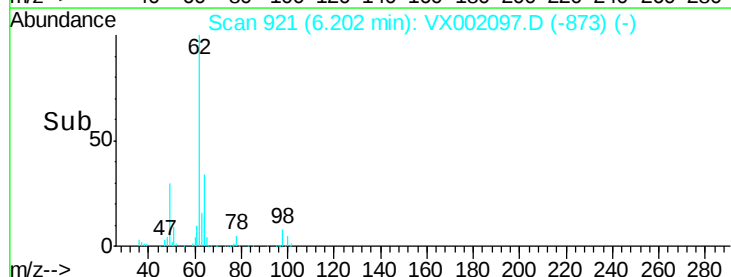
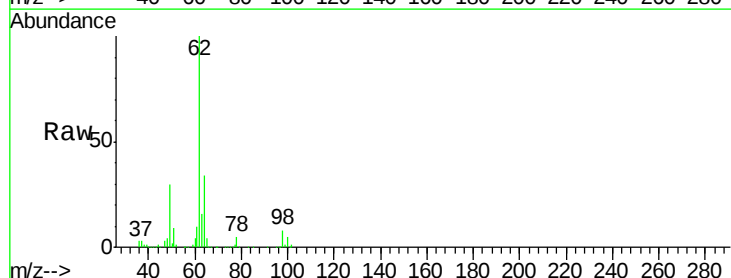
Manual Integrations
APPROVED

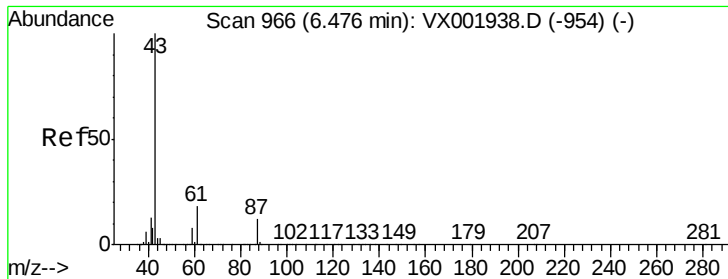
MMDadoda
5/30/2018 1:50:57 PM



#42
1,2-Dichloroethane
Concen: 17.72 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		109258		
98	8.3	0.0	17.0		





#43

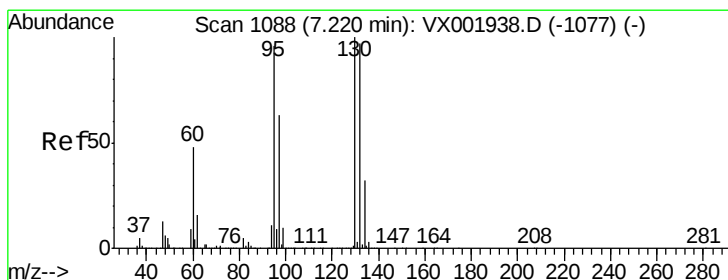
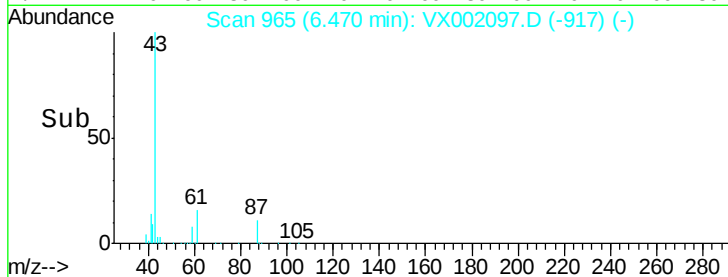
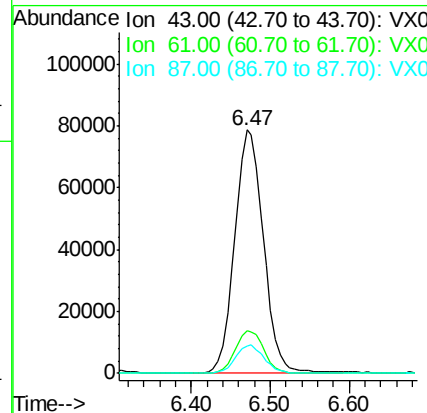
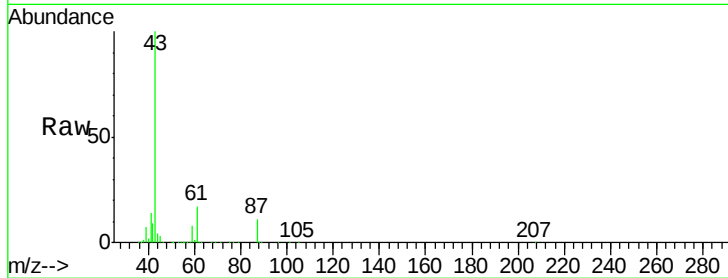
Isopropyl Acetate
 Concen: 17.33 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX002097.D
 Acq: 29 May 2018 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.5	21.7
87	11.5	9.5	14.3

Manual Integrations
 APPROVED

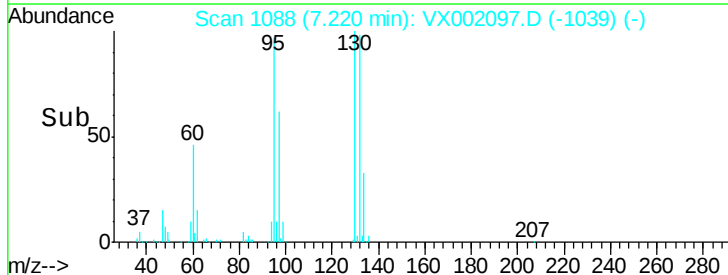
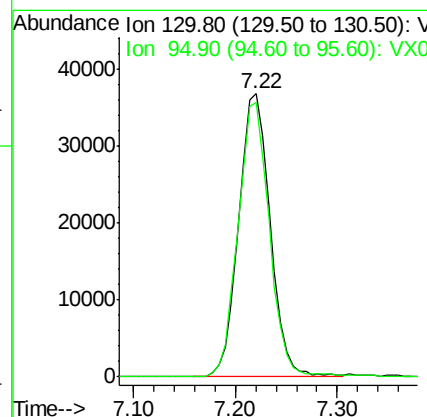
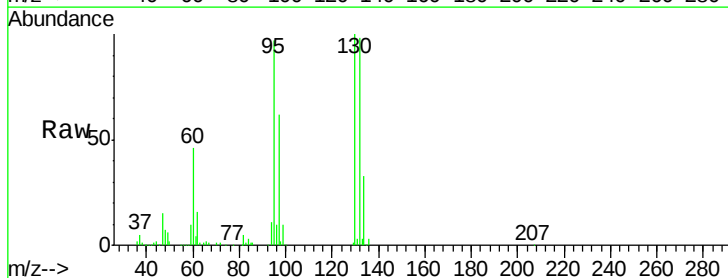
MMDadoda
 5/30/2018 1:50:57 PM

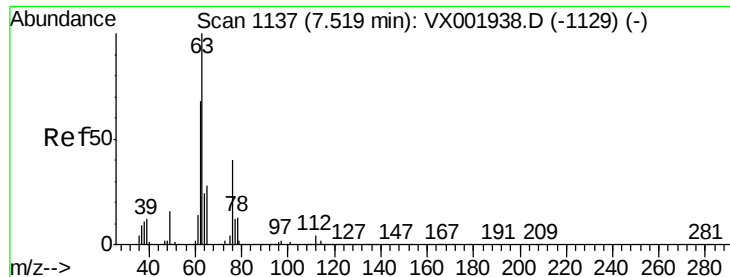


#44

Trichloroethene
 Concen: 17.55 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX002097.D
 Acq: 29 May 2018 17:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	192.0





#45

1,2-Dichloropropane

Concen: 18.16 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 63 Resp: 76160

Ion Ratio Lower Upper

63 100

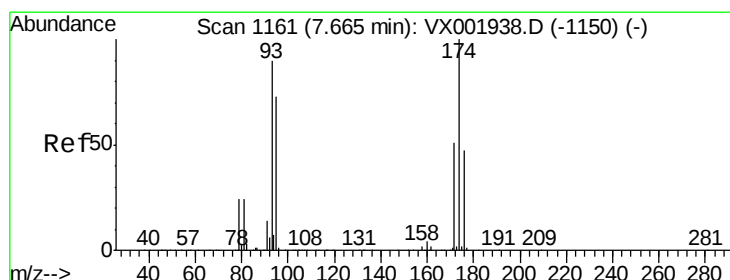
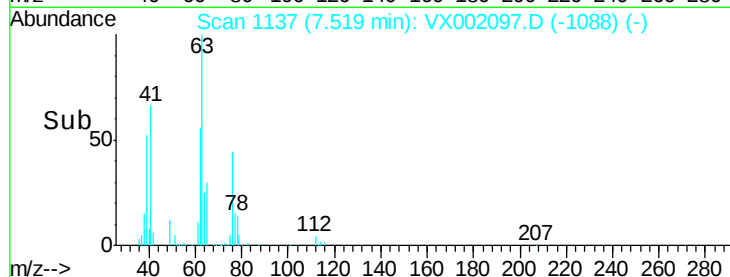
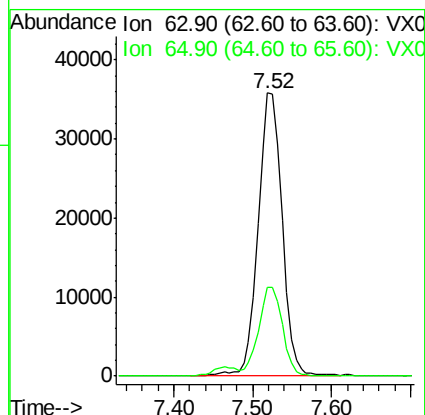
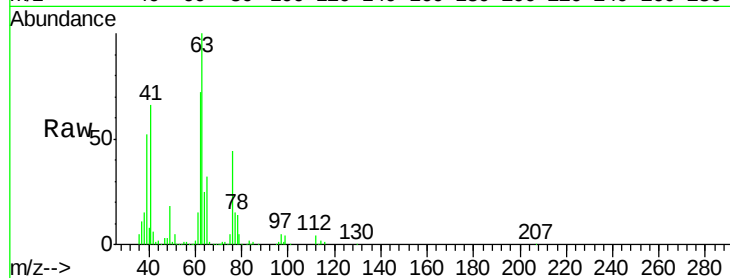
65 31.6 24.1 36.1

Manual Integrations

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#46

Dibromomethane

Concen: 17.82 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

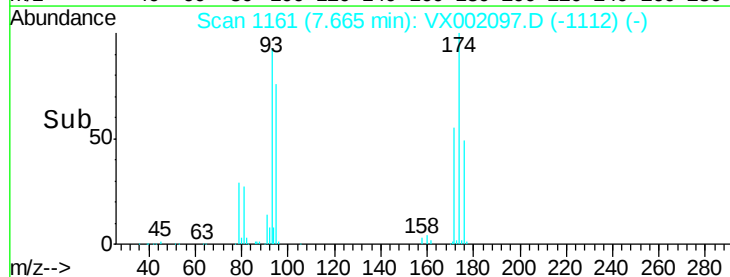
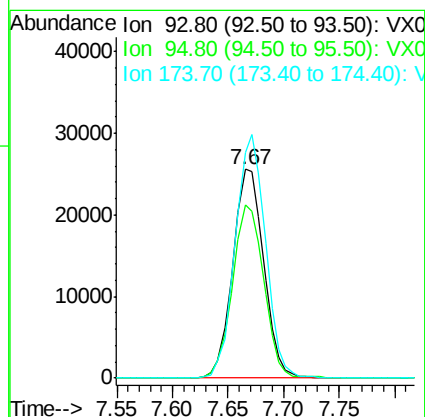
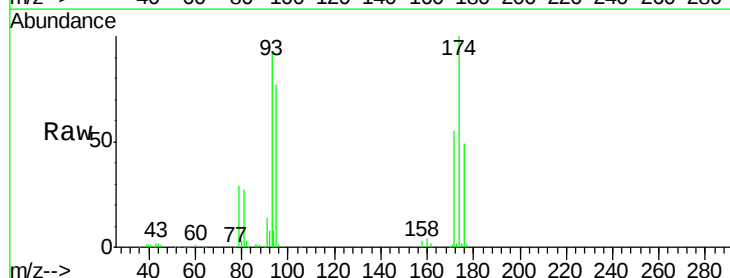
Tgt Ion: 93 Resp: 49478

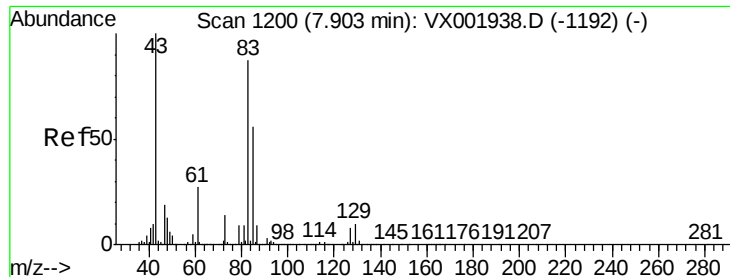
Ion Ratio Lower Upper

93 100

95 83.6 66.1 99.1

174 113.4 92.5 138.7





#47

Bromodichloromethane

Concen: 16.03 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

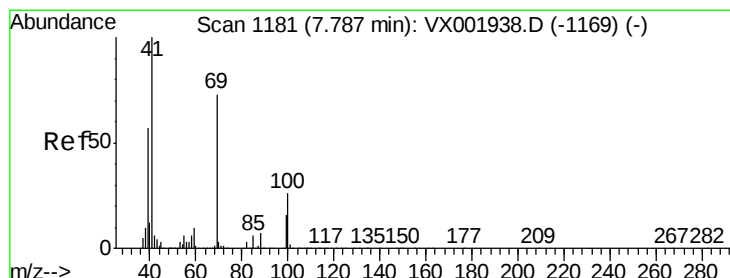
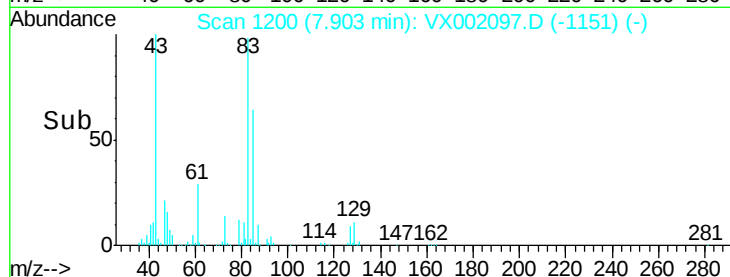
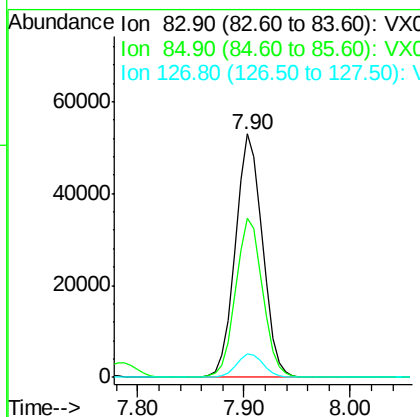
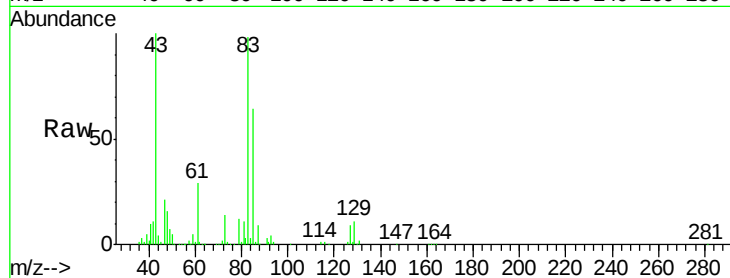
ClientSampleId :

VX0529WBSD01

Tot Ion:	83	Resp:	94896
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.4	77.2
127	9.6	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.36 ug/l

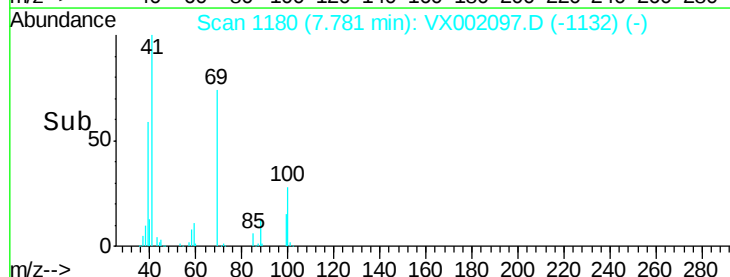
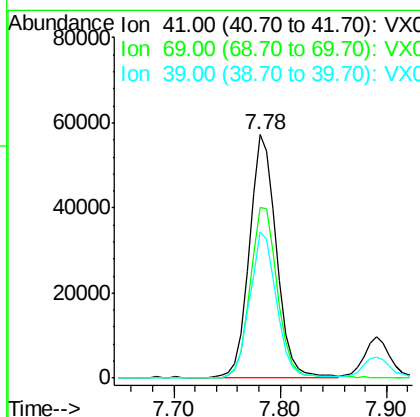
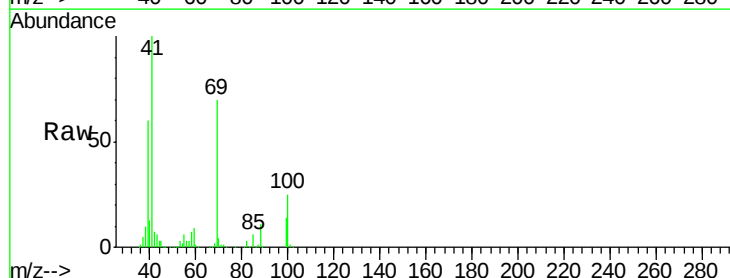
RT: 7.78 min Scan# 1180

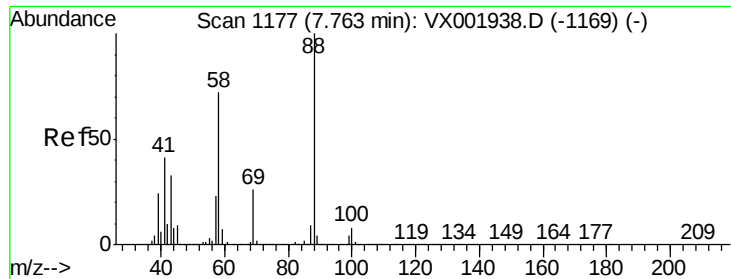
Delta R.T. -0.01 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Tgt Ion:	41	Resp:	101172
Ion Ratio	Lower	Upper	
41	100		
69	72.1	58.6	87.8
39	59.6	46.3	69.5





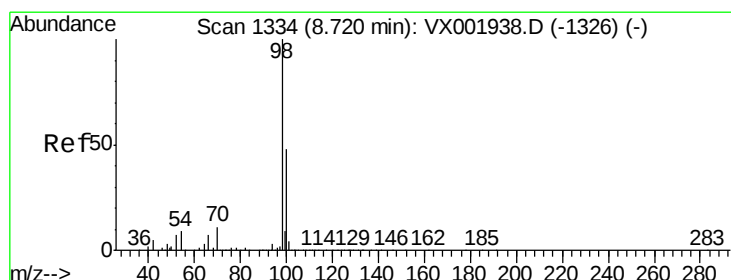
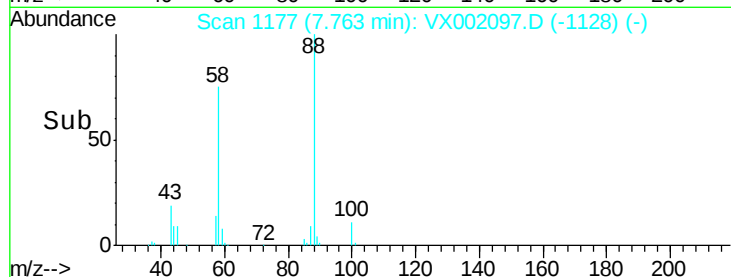
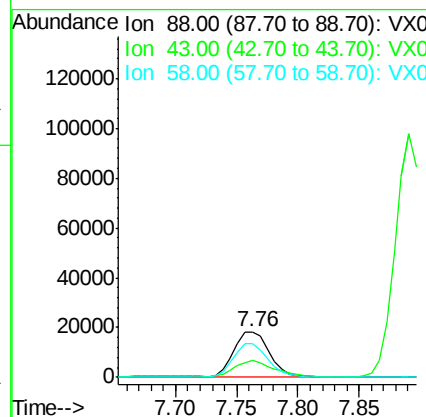
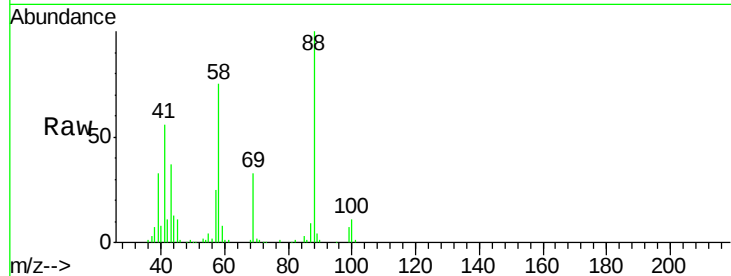
#49
1,4-Dioxane
Concen: 364.56 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	29.8	44.8
58	73.2	58.7	88.1

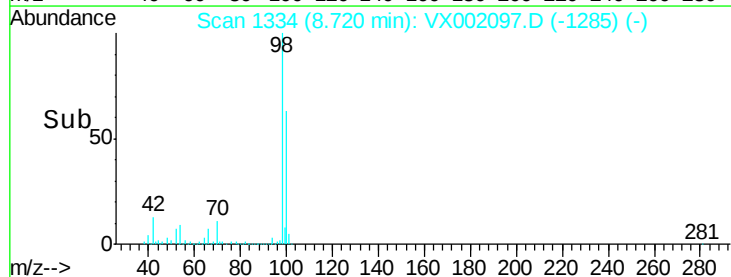
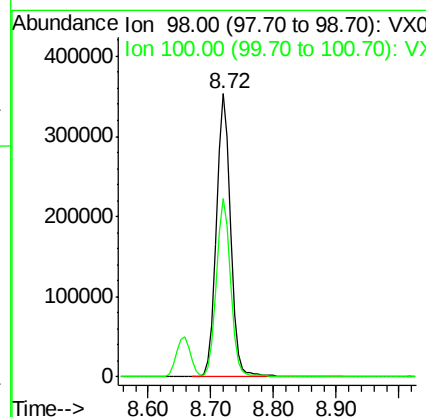
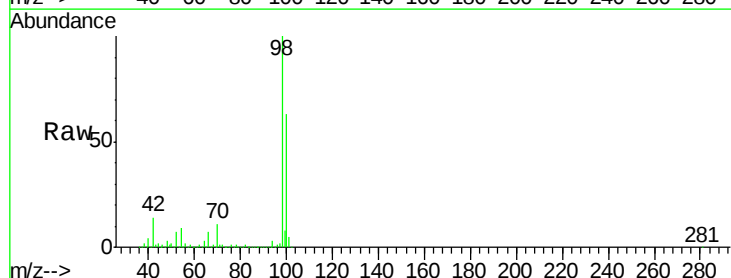
Manual Integrations
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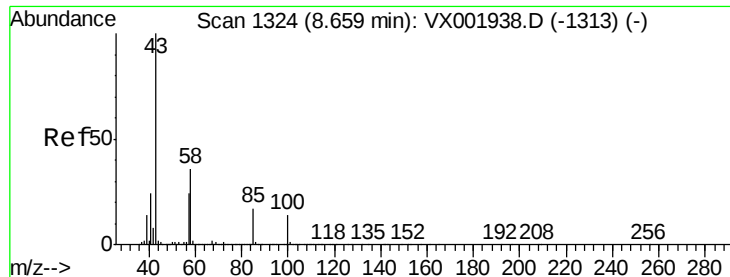
MMDadoda
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#50
Toluene-d8
Concen: 40.46 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.5	77.3





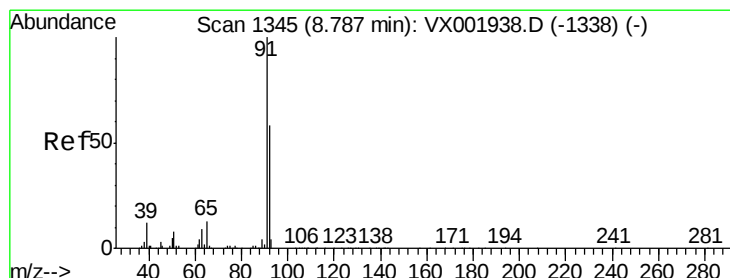
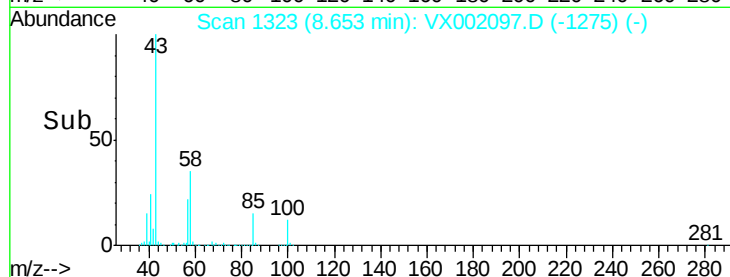
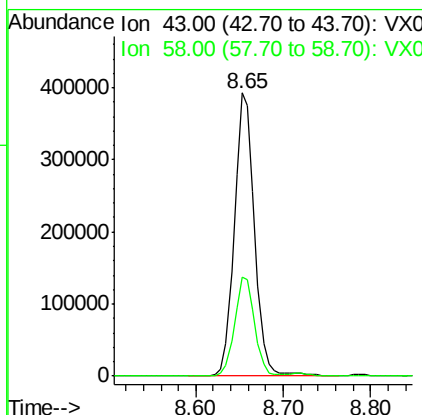
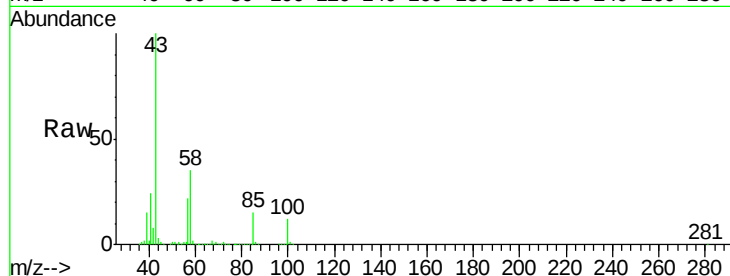
#51
4-Methyl-2-Pentanone
Concen: 91.64 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.7	28.5	42.7

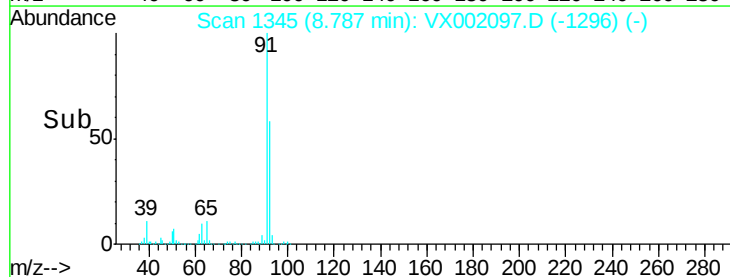
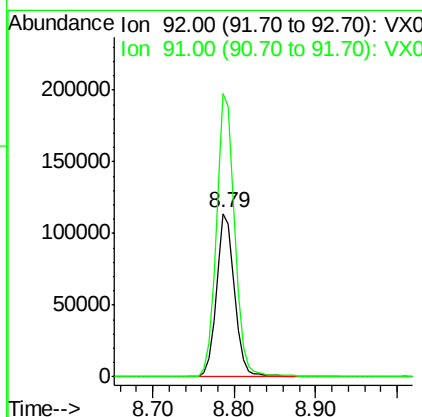
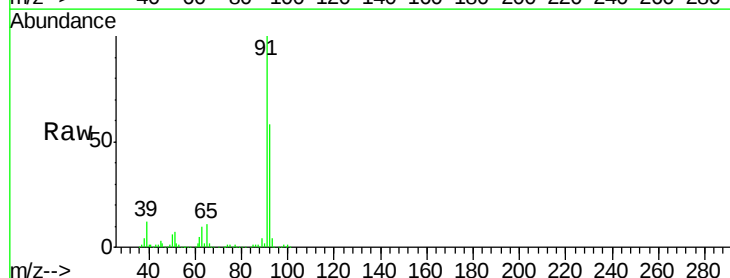
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#52
Toluene
Concen: 18.23 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.5	139.4	209.2





#53

t-1,3-Dichloropropene

Concen: 16.97 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 75 Resp: 115722

Ion Ratio Lower Upper

75 100

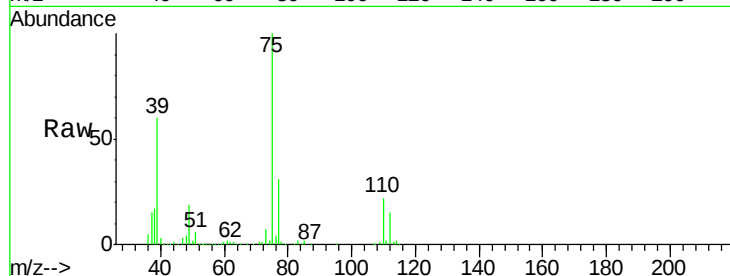
77 30.5 25.5 38.3

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

80000

60000

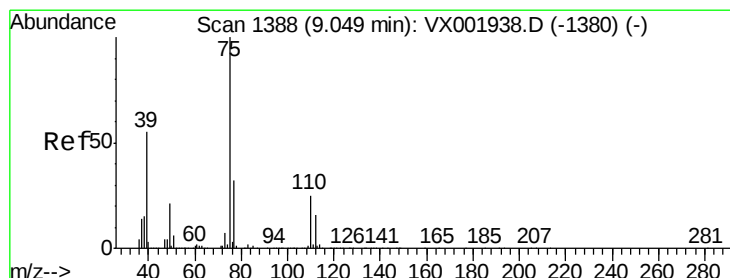
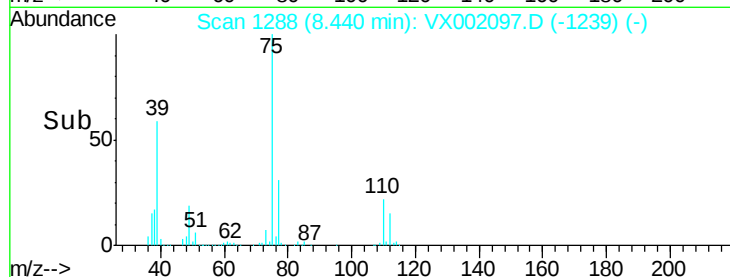
40000

20000

0

8.35 8.40 8.45 8.50 8.55

Time-->



#54

cis-1,3-Dichloropropene

Concen: 16.53 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

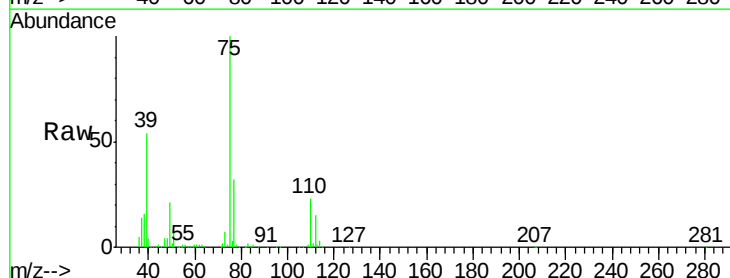
Tgt Ion: 75 Resp: 109827

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 53.7 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

9.05

100000

80000

60000

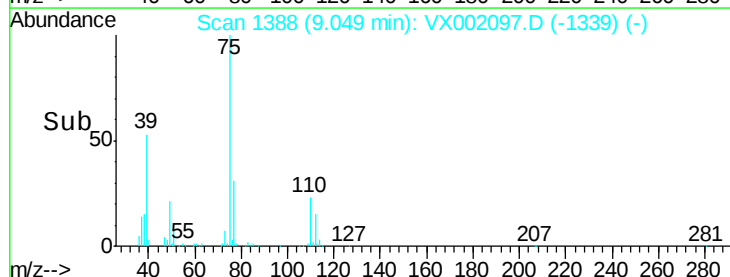
40000

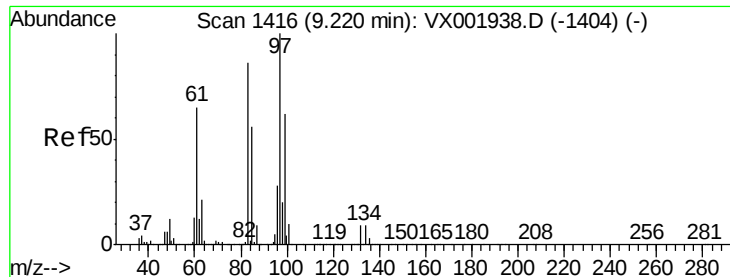
20000

0

8.95 9.00 9.05 9.10 9.15

Time-->





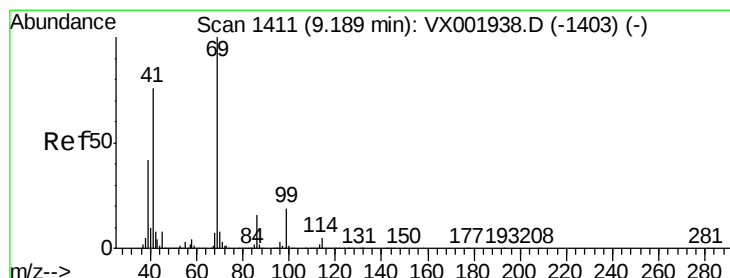
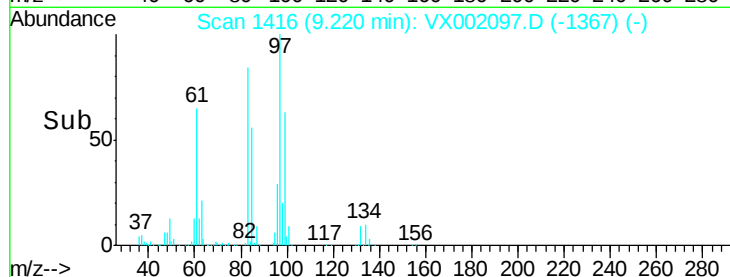
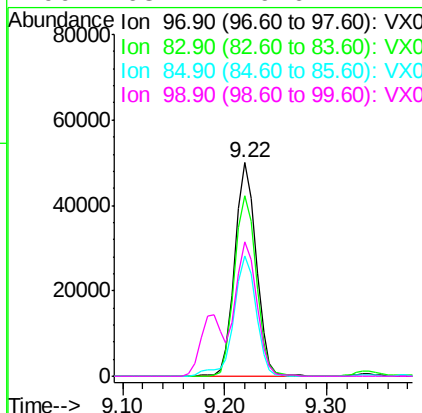
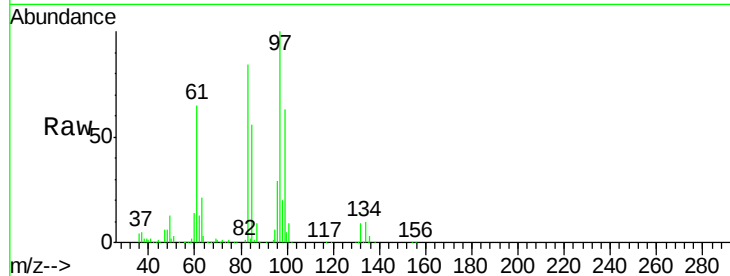
#55
 1,1,2-Trichloroethane
 Concen: 17.74 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002097.D
 Acq: 29 May 2018 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBSD01

Tot Ion	97	Resp	72807
Ion	Ratio	Lower	Upper
97	100		
83	84.3	69.1	103.7
85	56.2	45.2	67.8
99	63.1	49.6	74.4

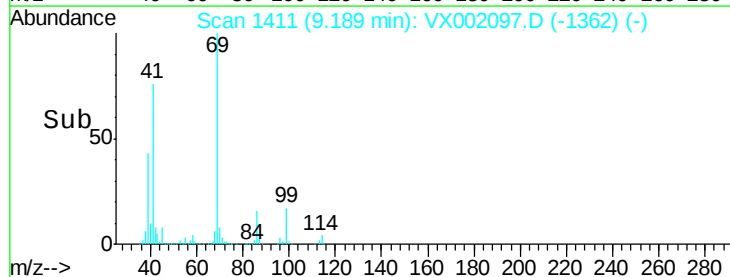
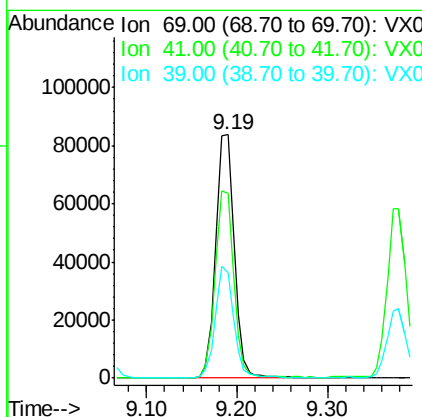
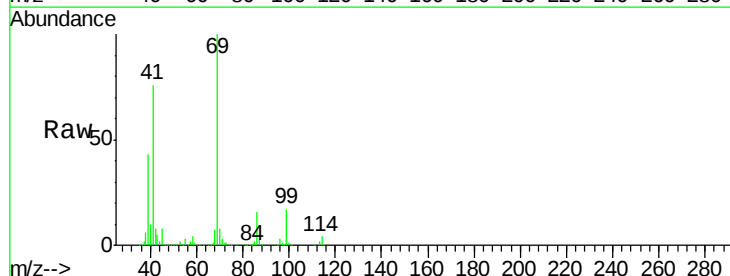
Manual Integrations
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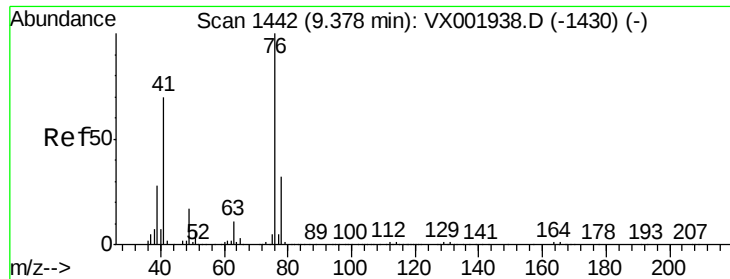
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#56
 Ethyl methacrylate
 Concen: 17.13 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX002097.D
 Acq: 29 May 2018 17:06

Tgt Ion	69	Resp	120942
Ion	Ratio	Lower	Upper
69	100		
41	76.2	61.0	91.6
39	45.0	34.4	51.6





#57

1,3-Dichloropropane

Concen: 18.10 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 76 Resp: 122382

Ion Ratio Lower Upper

76 100

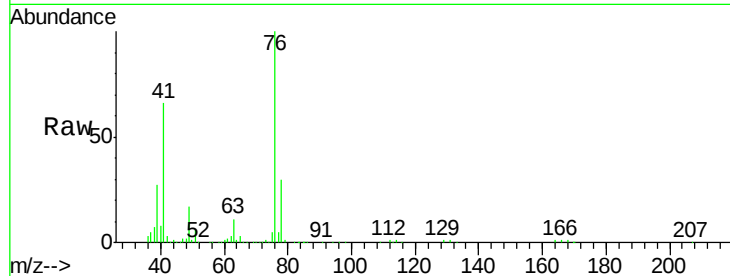
78 32.2 25.6 38.4

Manual Integrations

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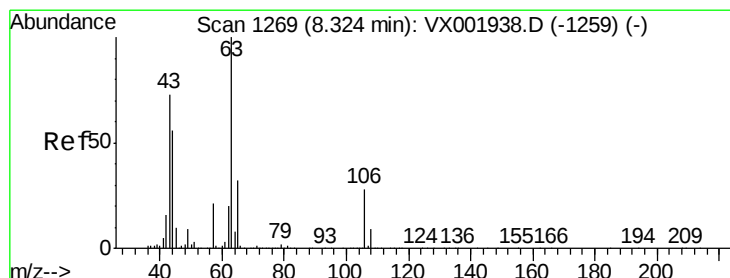
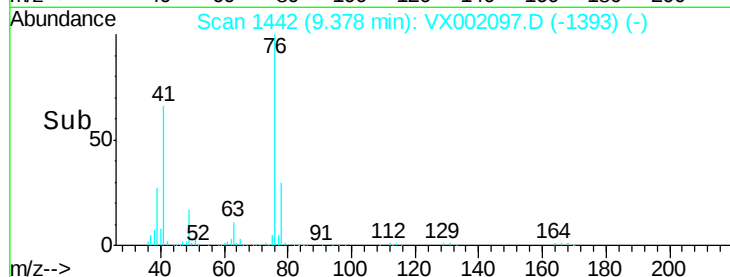
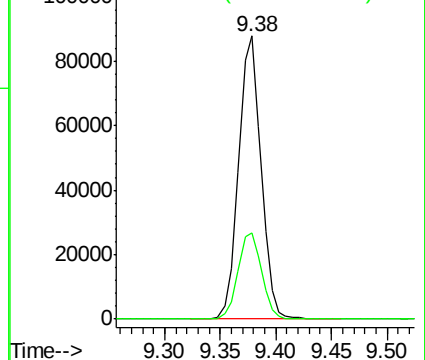
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 86.80 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002097.D

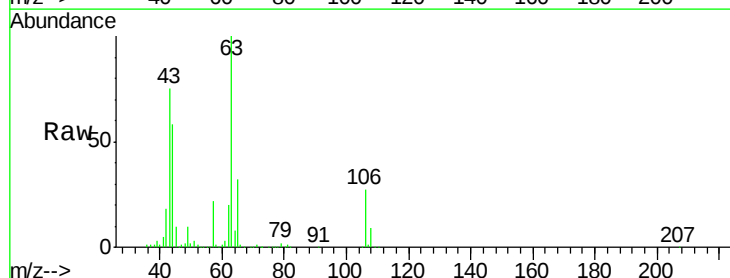
Acq: 29 May 2018 17:06

Tgt Ion: 63 Resp: 271632

Ion Ratio Lower Upper

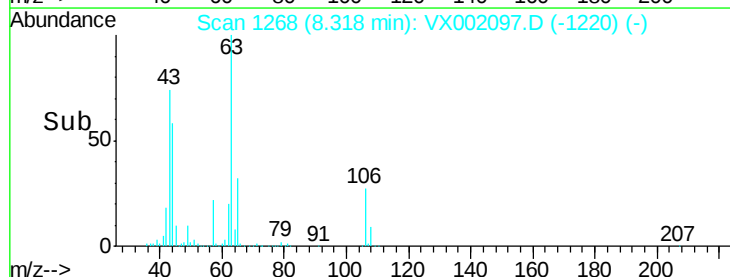
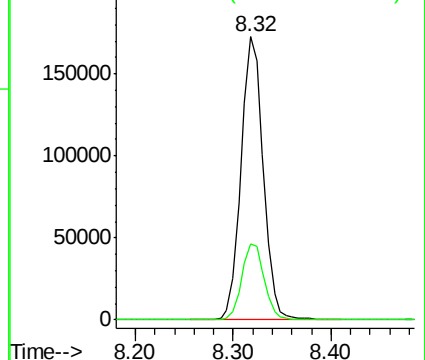
63 100

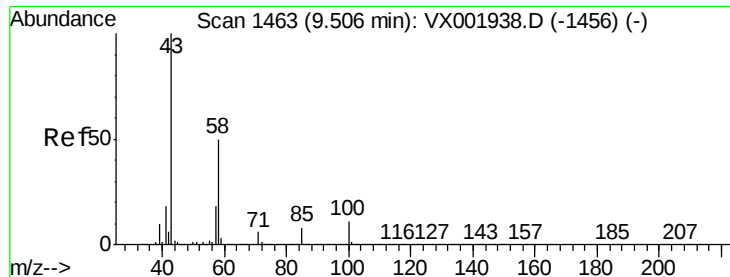
106 27.2 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





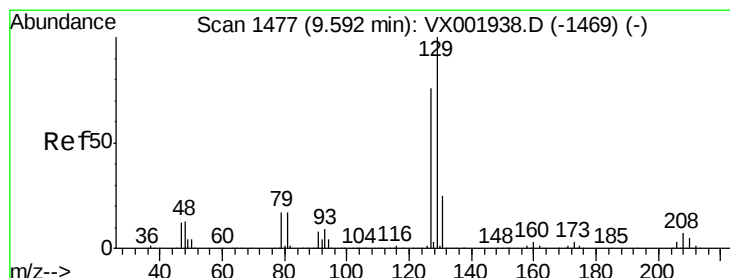
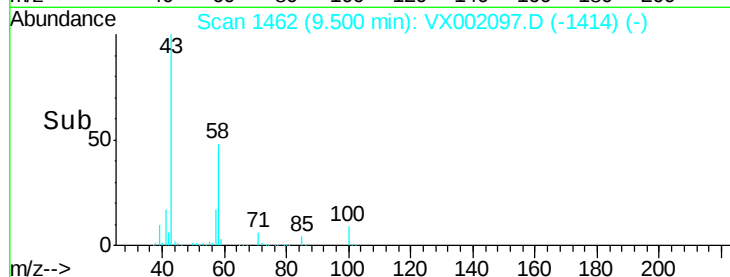
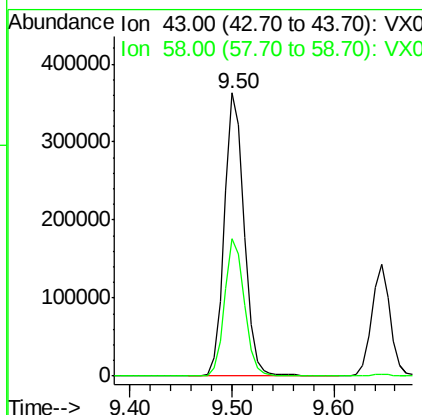
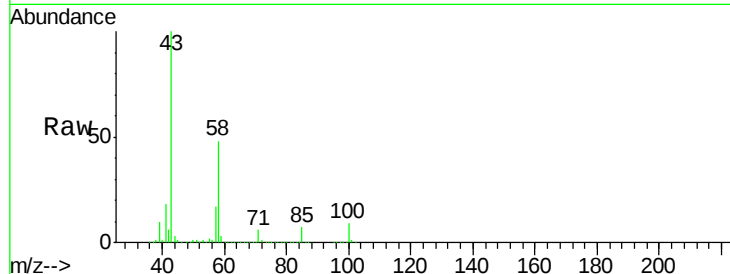
#59
2-Hexanone
Concen: 91.38 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.8	24.9	74.6

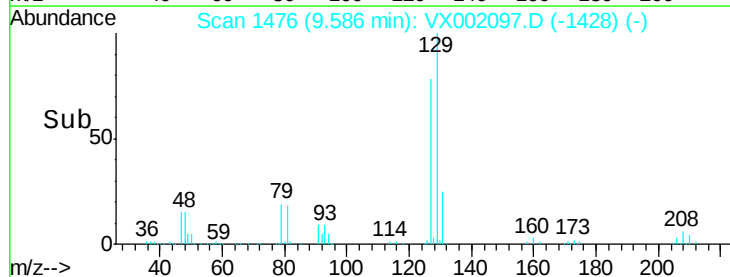
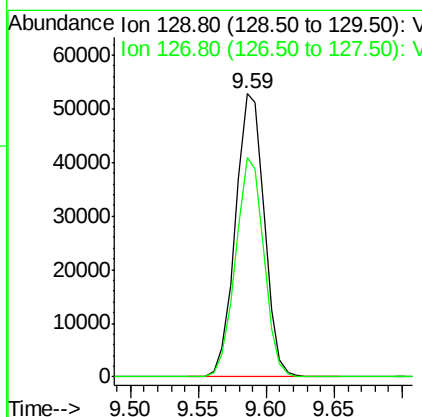
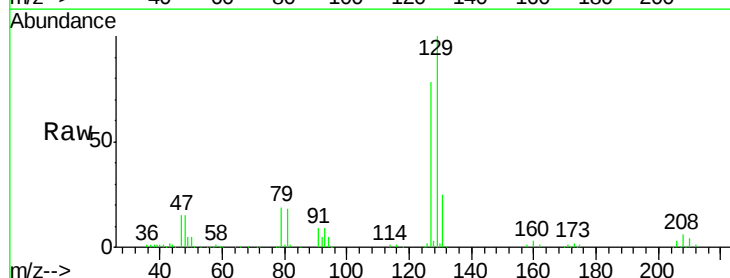
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#60
Dibromochloromethane
Concen: 15.99 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.3	114.9





#61

1,2-Dibromoethane

Concen: 17.68 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion:107 Resp: 76139

Ion Ratio Lower Upper

107 100

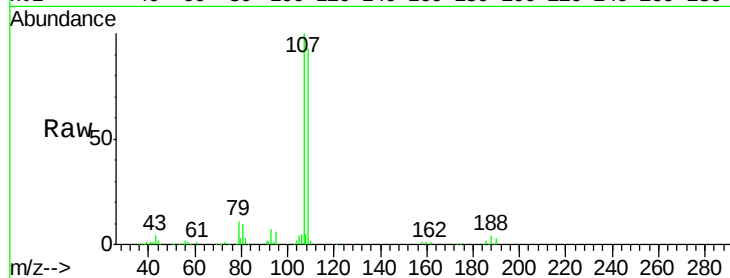
109 93.7 75.3 112.9

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

60000

50000

40000

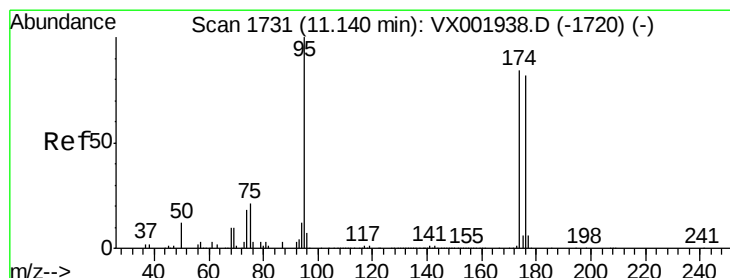
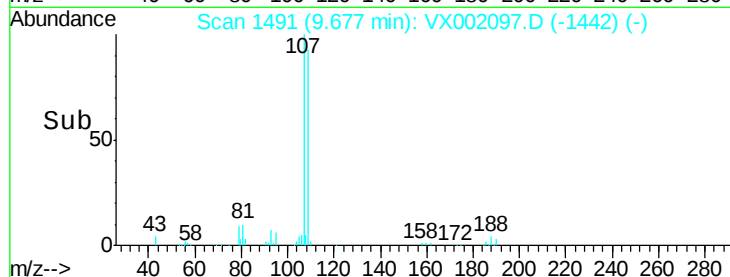
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 39.30 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

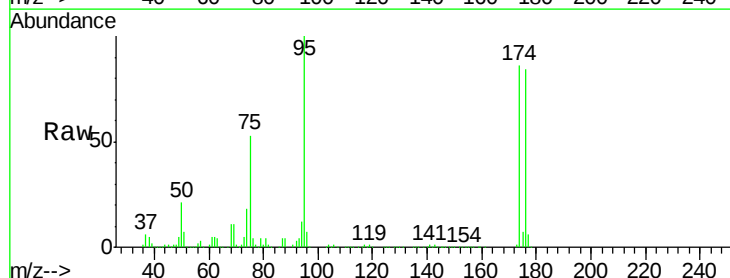
Tgt Ion: 95 Resp: 210927

Ion Ratio Lower Upper

95 100

174 91.5 0.0 178.8

176 88.6 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

200000

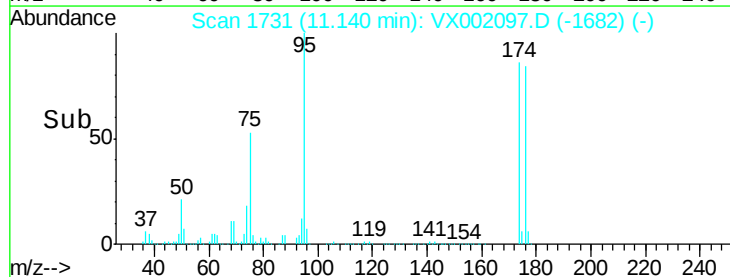
150000

100000

50000

0

Time-->





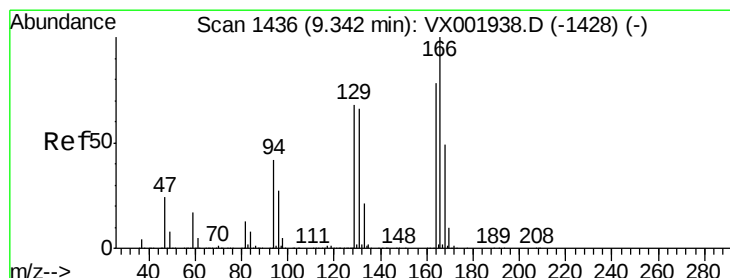
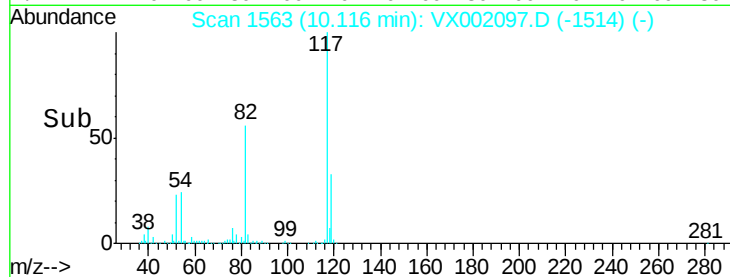
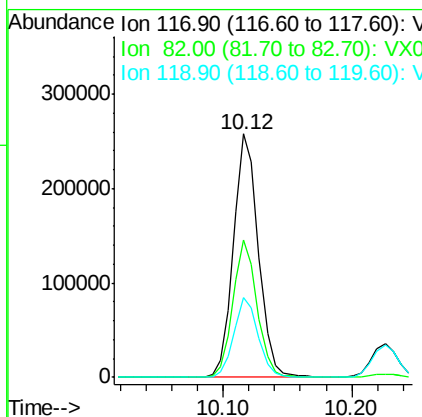
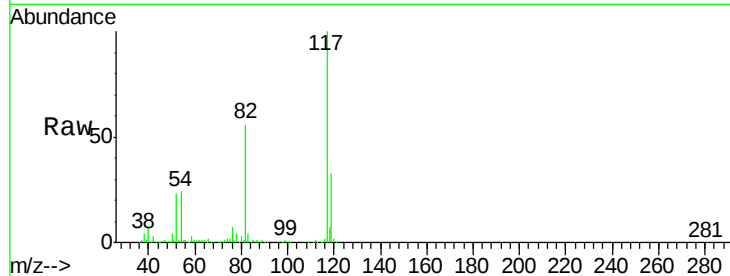
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.8	67.2
119	32.8	25.5	38.3

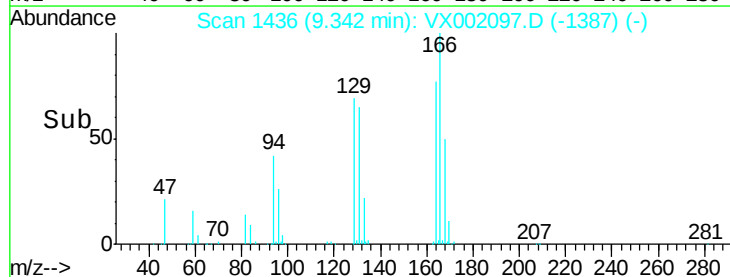
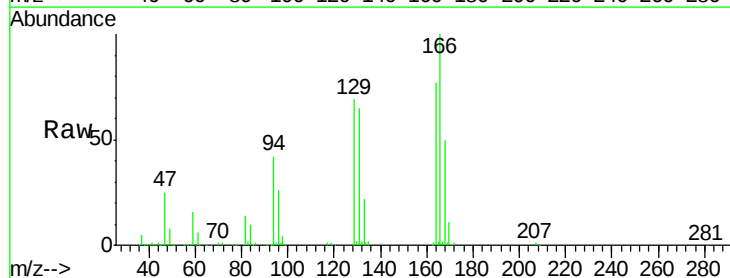
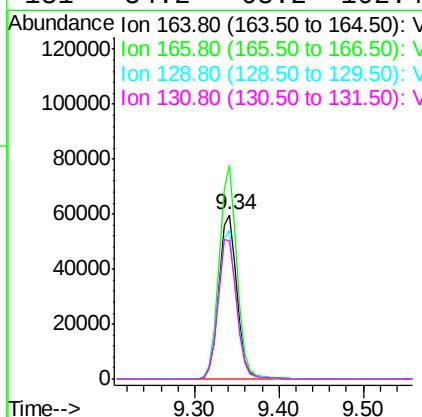
Manual Integrations
APPROVED

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5/30/2018 1:50:57 PM



#64
Tetrachloroethene
Concen: 17.88 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	102.7	154.1
129	90.2	70.3	105.5
131	84.2	68.2	102.4





#65

Chlorobenzene

Concen: 18.08 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion:112 Resp: 199170

Ion Ratio Lower Upper

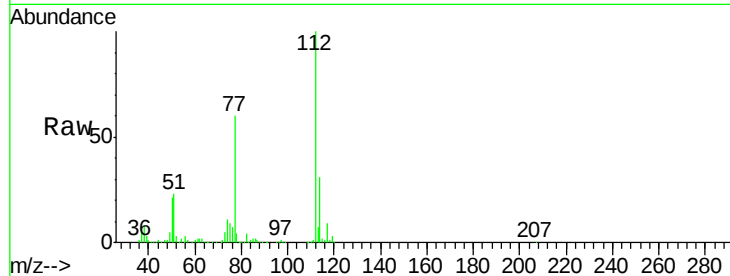
112 100

114 31.0 25.9 38.9

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

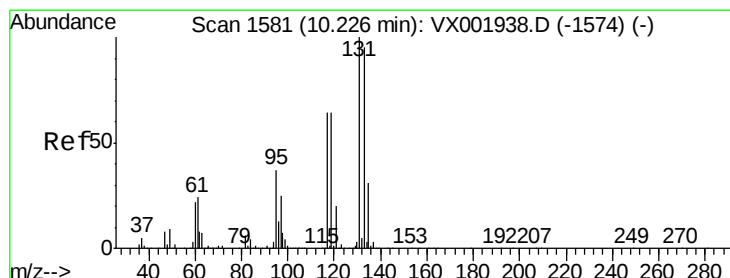
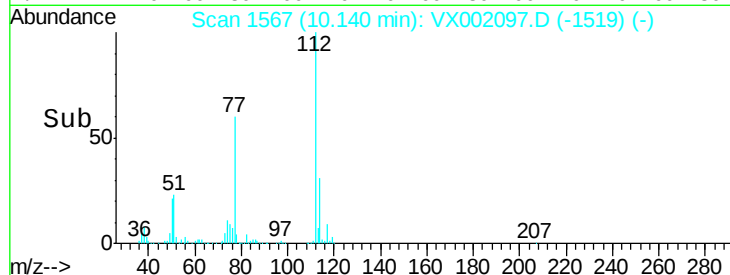
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 16.74 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

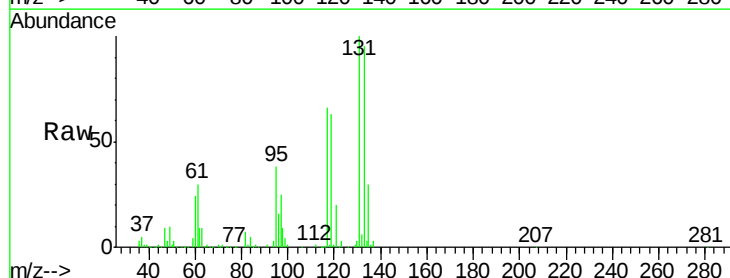
Tgt Ion:131 Resp: 74498

Ion Ratio Lower Upper

131 100

133 95.9 48.0 144.0

119 63.1 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

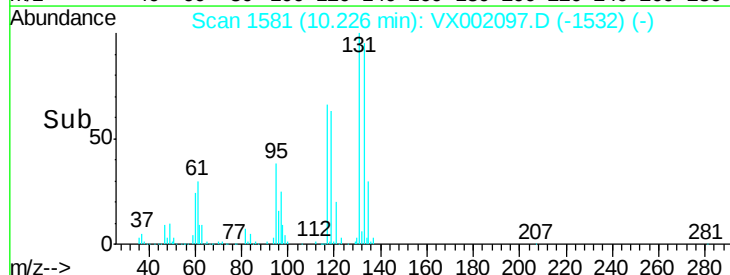
60000

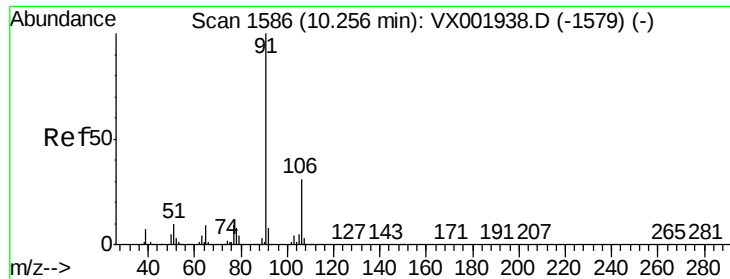
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 18.08 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 91 Resp: 346031

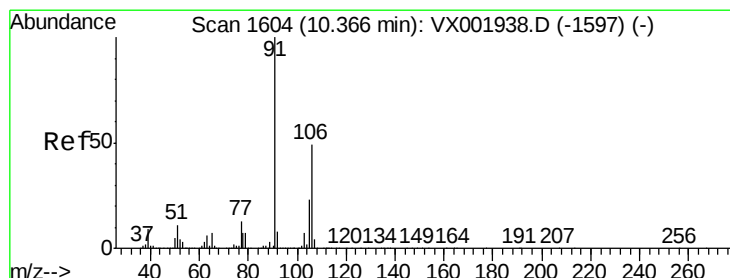
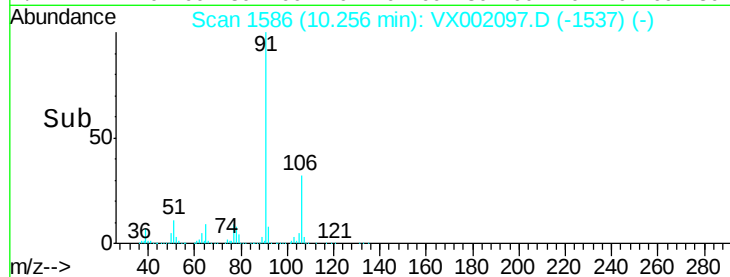
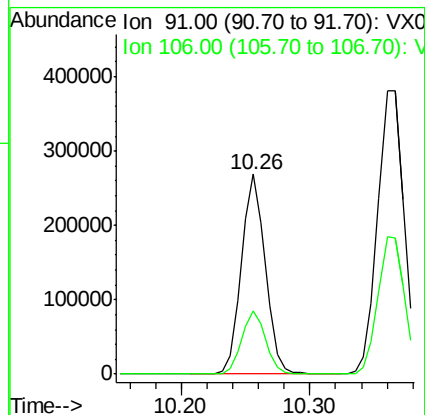
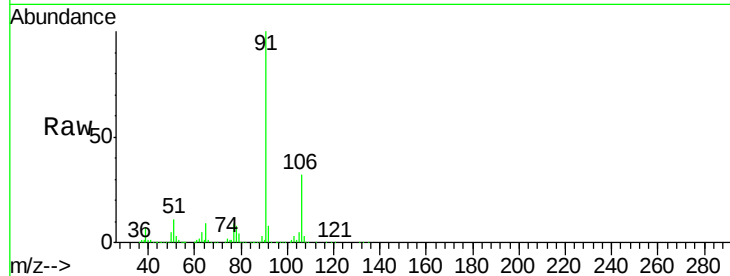
Ion Ratio Lower Upper

91 100

106 31.7 25.0 37.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 35.92 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002097.D

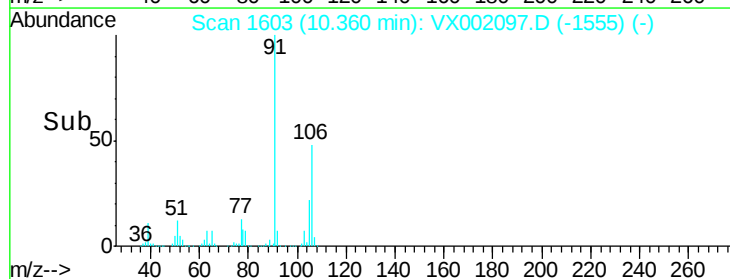
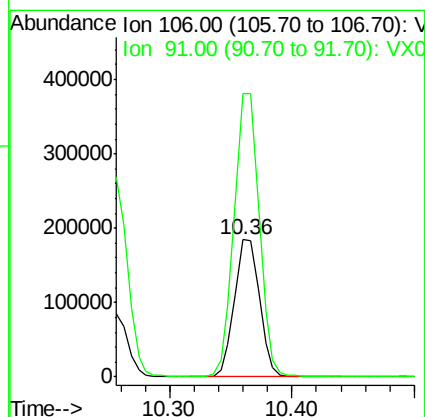
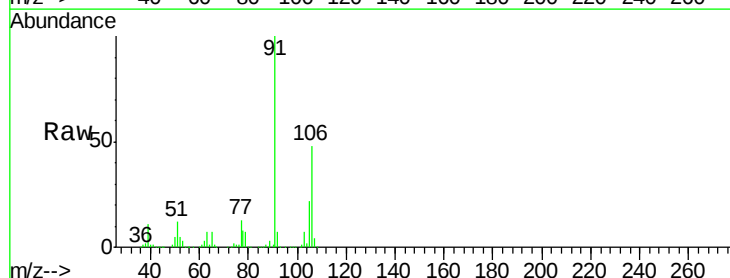
Acq: 29 May 2018 17:06

Tgt Ion: 106 Resp: 262842

Ion Ratio Lower Upper

106 100

91 206.2 165.0 247.6





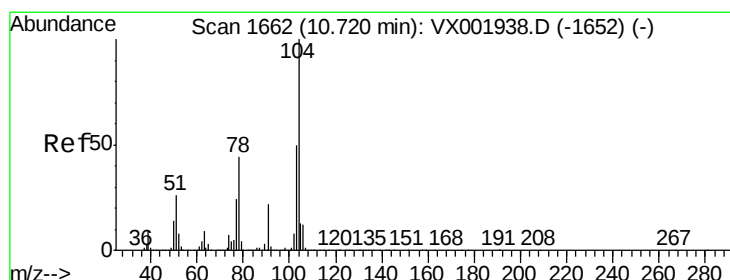
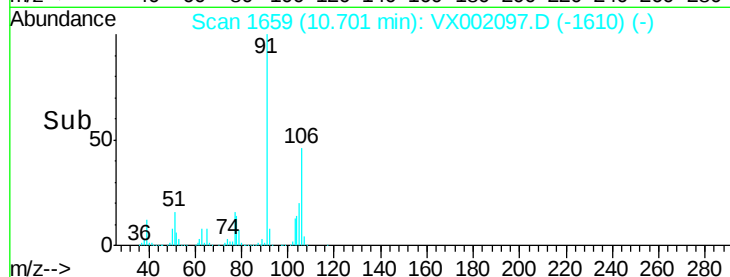
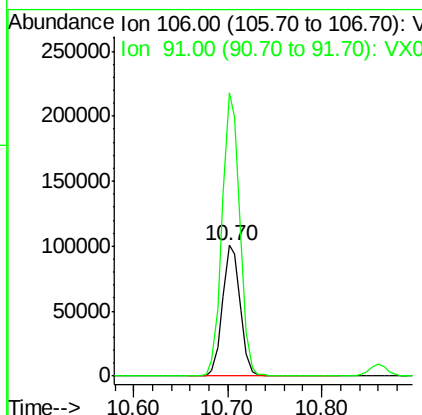
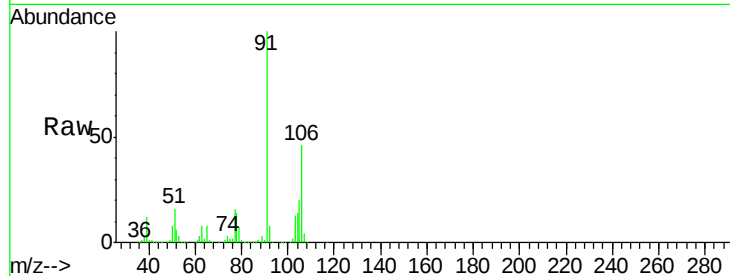
#69
o-Xylene
Concen: 17.91 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	216.3	108.7	130900	325.9	

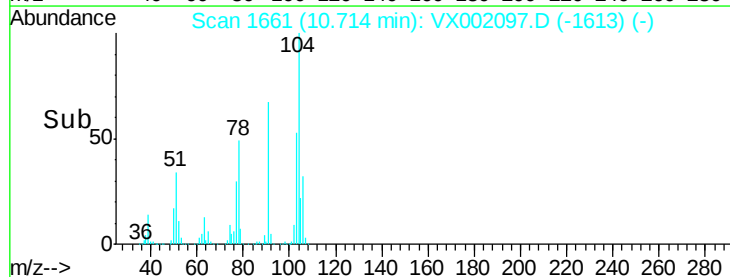
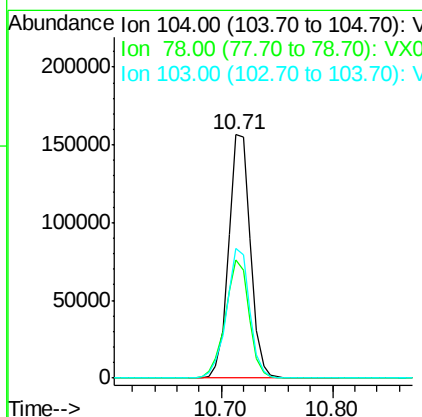
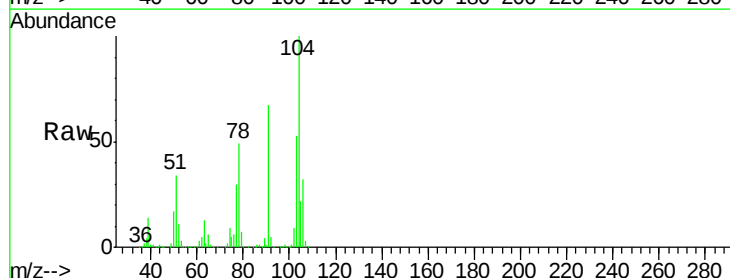
Manual Integrations
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#70
Styrene
Concen: 17.49 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	53.0	41.8	211962	62.6	
103	56.4	44.6		67.0	





#71

Bromoform

Concen: 14.35 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

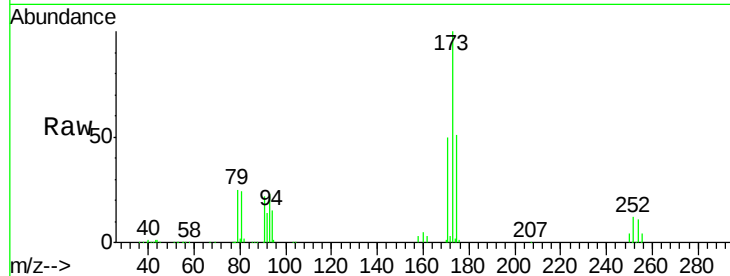
ClientSampleId :

VX0529WBSD01

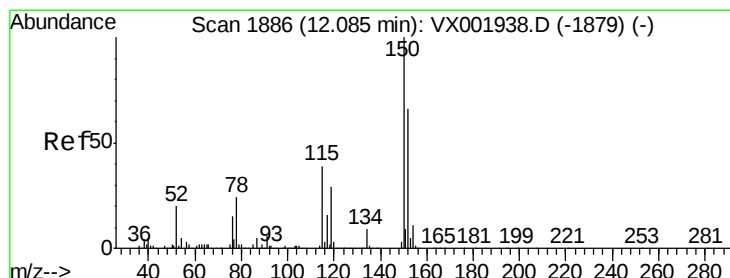
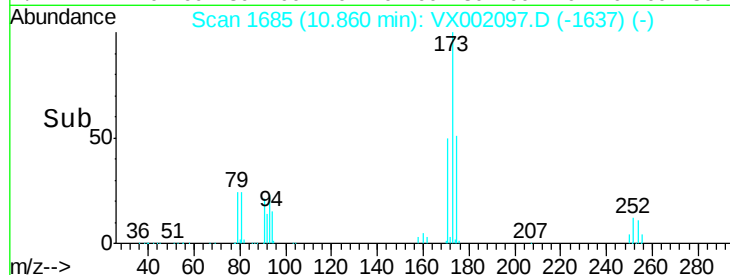
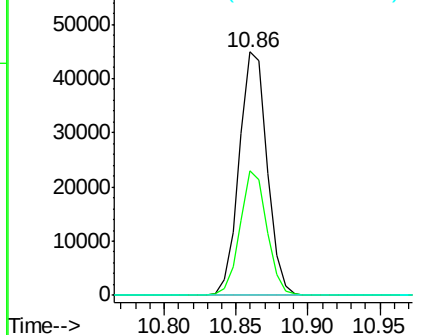
Tot Ion:	173	Resp:	60527
Ion Ratio	Lower	Upper	
173	100		
175	49.4	24.3	72.9
254	0.1	0.1	0.1

Manual Integrations
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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: 12.09 min Scan# 1886

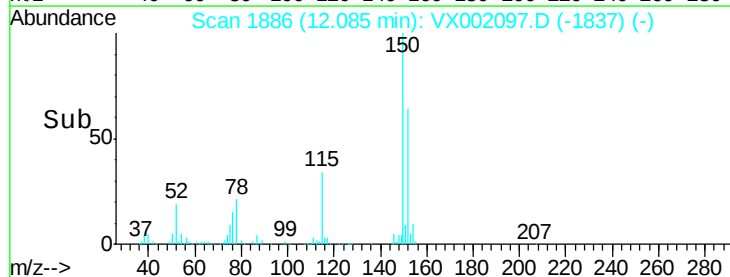
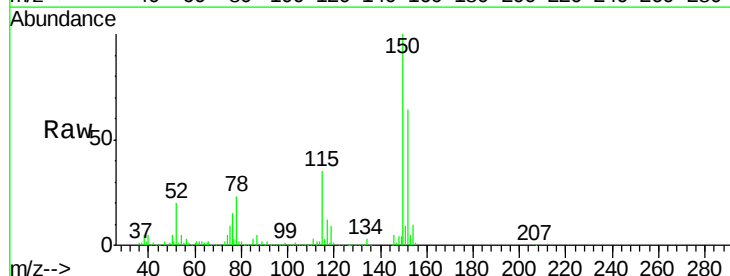
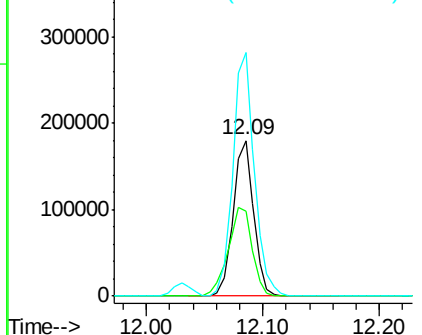
Delta R.T. 0.00 min

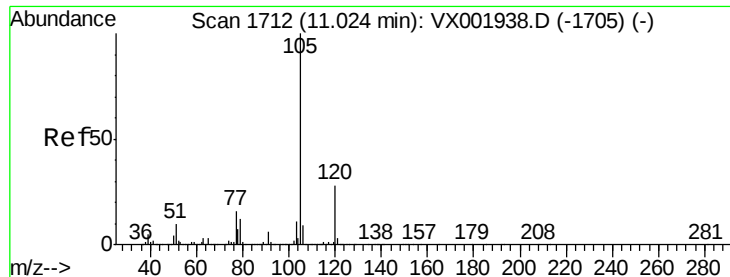
Lab File: VX002097.D

Acq: 29 May 2018 17:06

Tgt Ion:	152	Resp:	219578
Ion Ratio	Lower	Upper	
152	100		
115	67.4	42.3	126.8
150	165.2	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: 18.93 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion:105 Resp: 352014

Ion Ratio Lower Upper

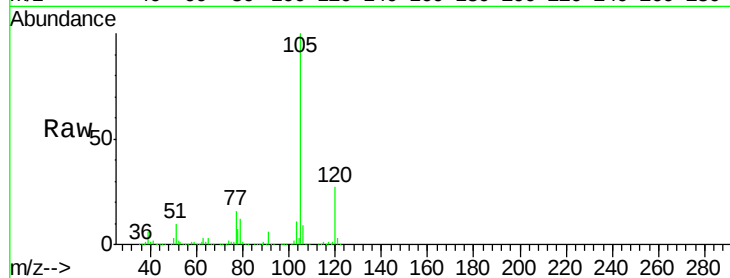
105 100

120 26.8 13.6 40.7

Manual Integrations
APPROVED

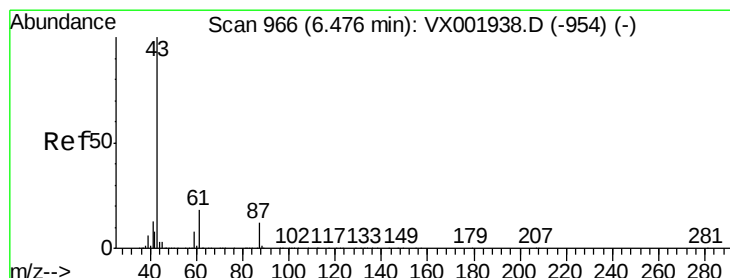
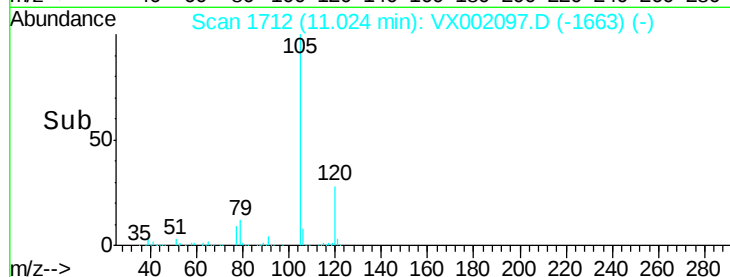
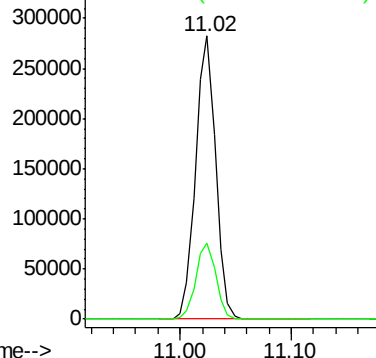
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.59 ug/l

RT: 6.47 min Scan# 966

Delta R.T. -0.01 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Tgt Ion: 43 Resp: 198397

Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.0 0.1 0.1#

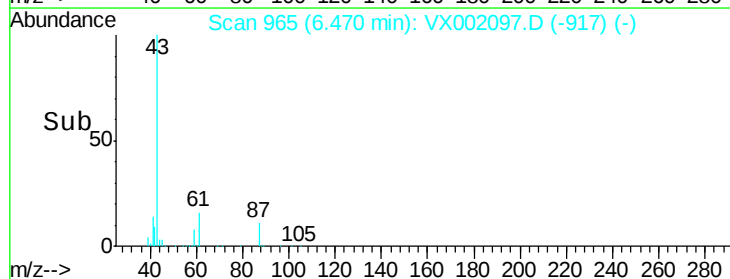
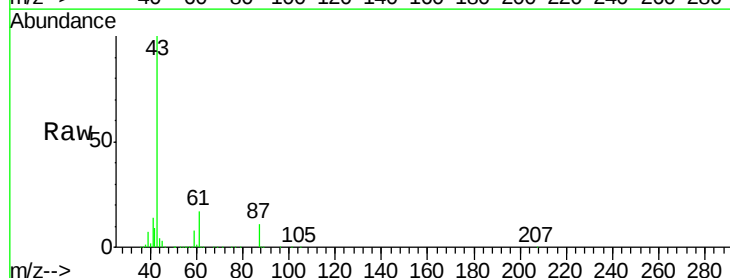
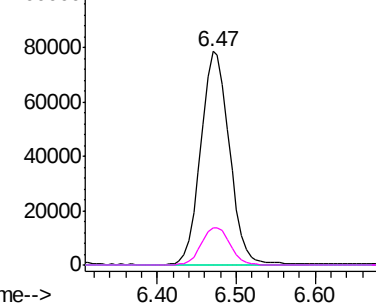
61 17.6 14.5 21.7

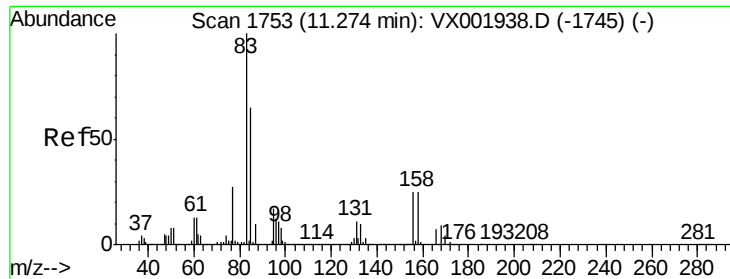
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.44 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

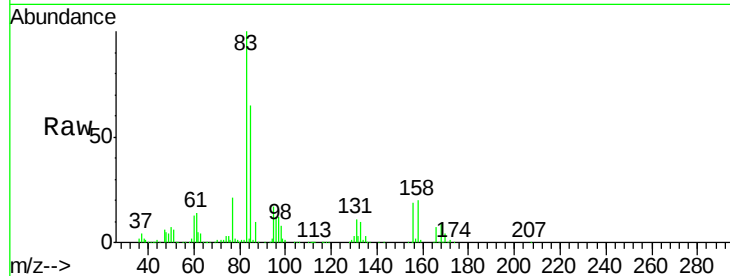
ClientSampleId :

VX0529WBSD01

Tot Ion:	83	Resp:	102784
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.7	17.0
85	64.4	32.6	97.7

Manual Integrations
APPROVED

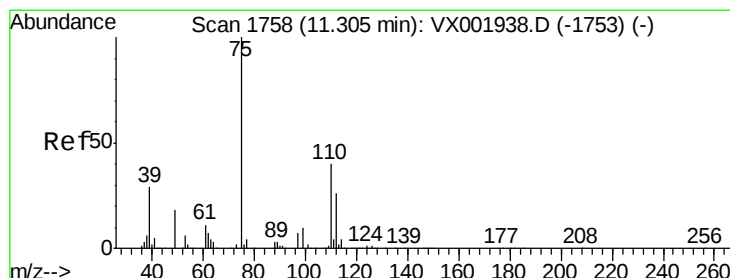
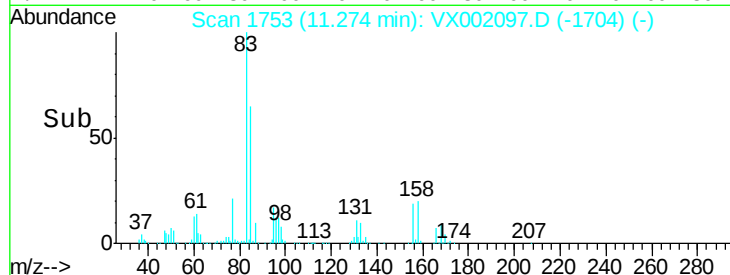
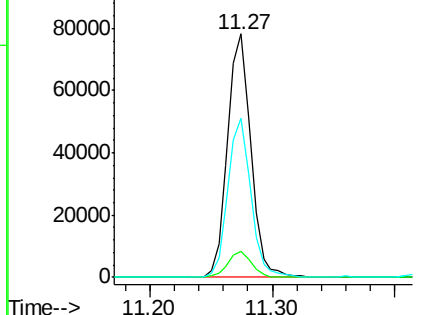
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.37 ug/l m

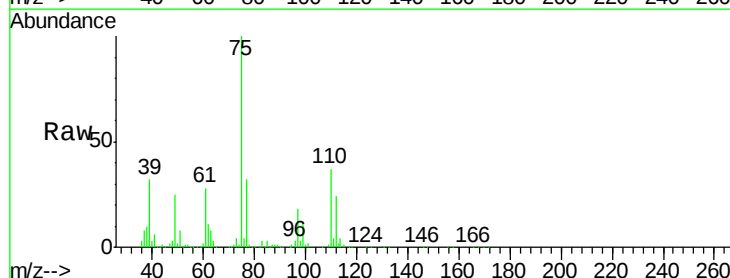
RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX002097.D

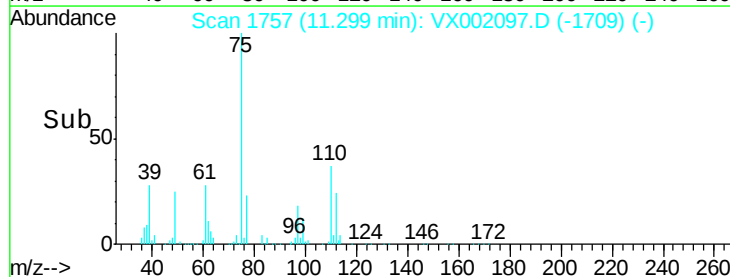
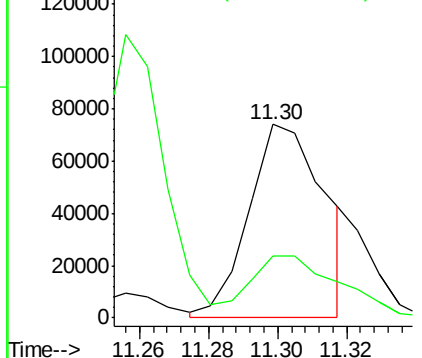
Acq: 29 May 2018 17:06

Tgt Ion:	75	Resp:	112696
Ion Ratio	Lower	Upper	
75	100		
77	38.4	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.87 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion:156 Resp: 93070

Ion Ratio Lower Upper

156 100

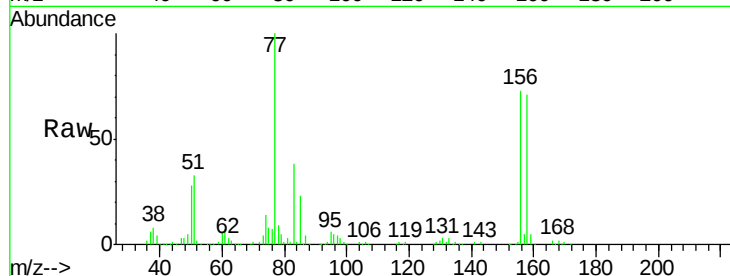
77 145.7 75.2 225.6

158 96.6 48.6 145.8

Manual Integrations
APPROVED

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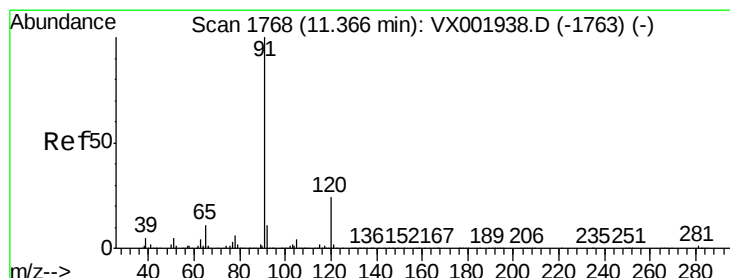
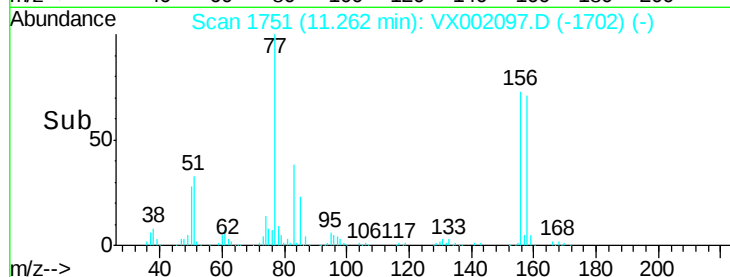
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

11.26

Time-->



#78

n-propylbenzene

Concen: 18.83 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002097.D

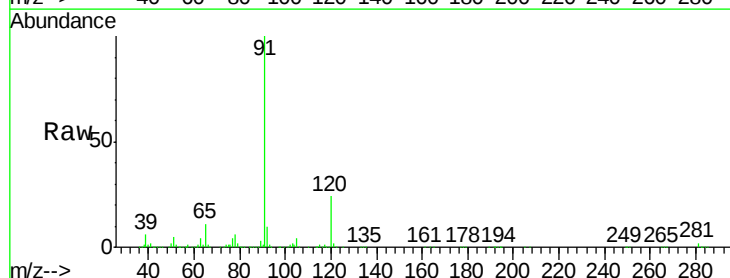
Acq: 29 May 2018 17:06

Tgt Ion: 91 Resp: 392044

Ion Ratio Lower Upper

91 100

120 23.3 11.9 35.7

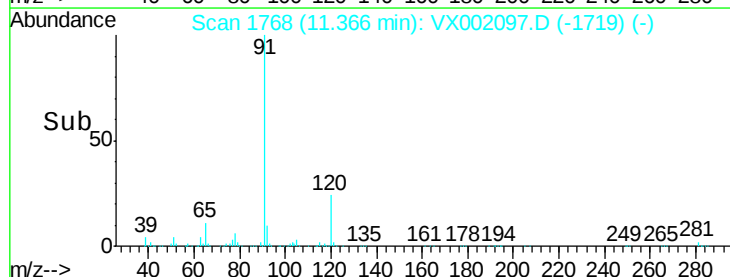


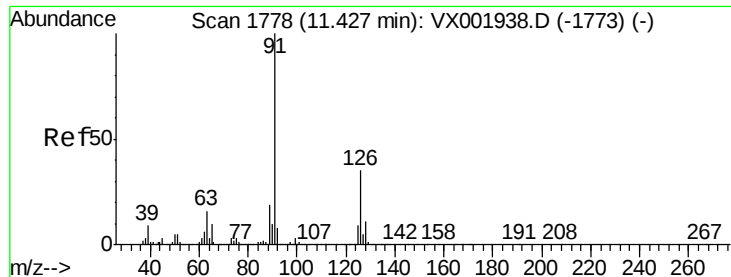
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.37

Time-->





#79

2-Chlorotoluene

Concen: 19.14 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

ClientSampled :

VX0529WBSD01

Tot Ion: 91 Resp: 234897

Ion Ratio Lower Upper

91 100

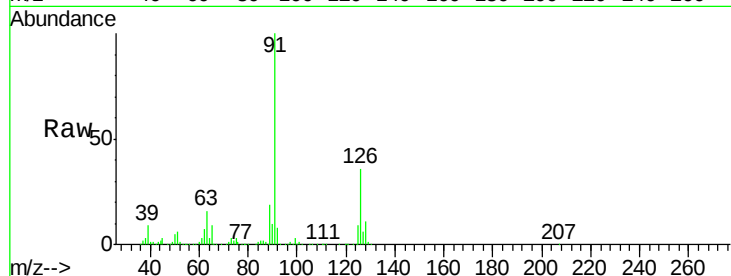
126 35.1 17.4 52.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX001938.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001938.D (-1773) (-)

300000

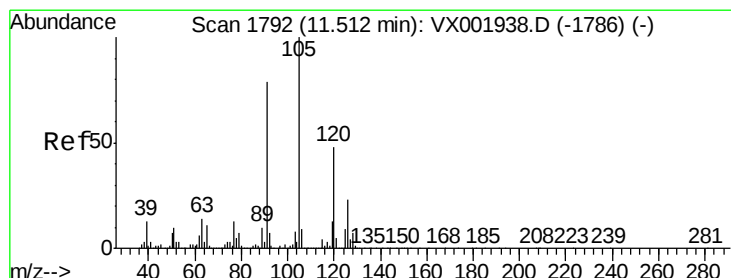
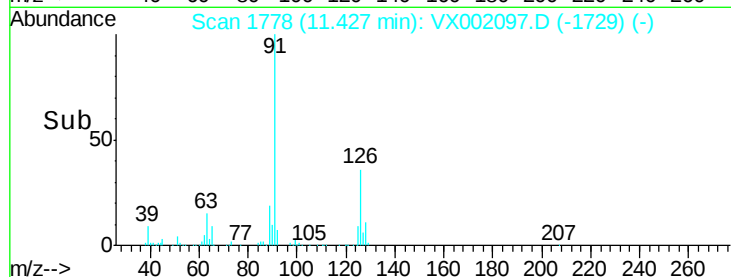
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.61 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002097.D

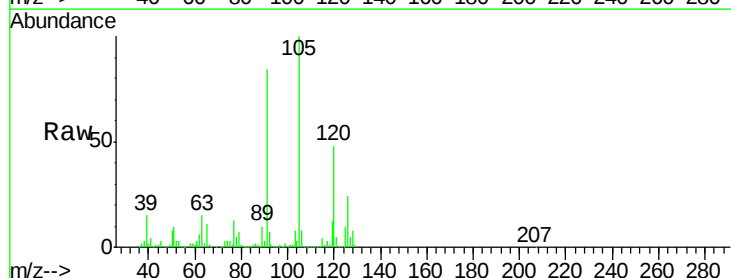
Acq: 29 May 2018 17:06

Tgt Ion: 105 Resp: 295736

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX001938.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001938.D (-1786) (-)

250000

200000

150000

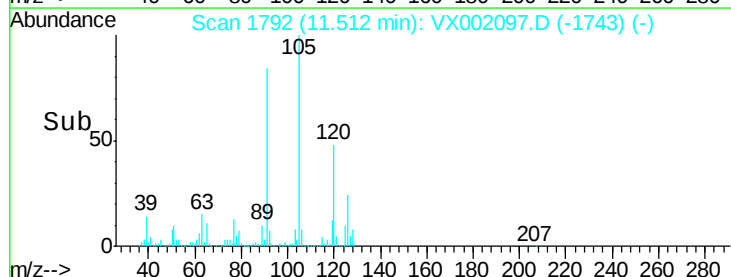
100000

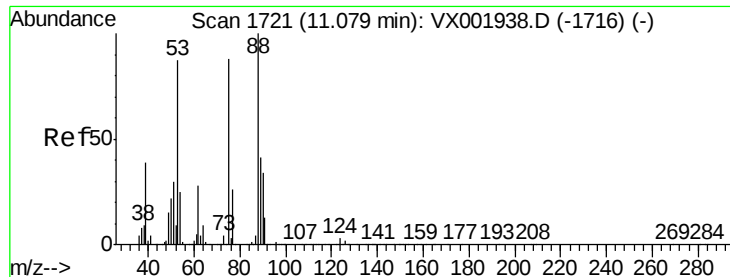
50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.68 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

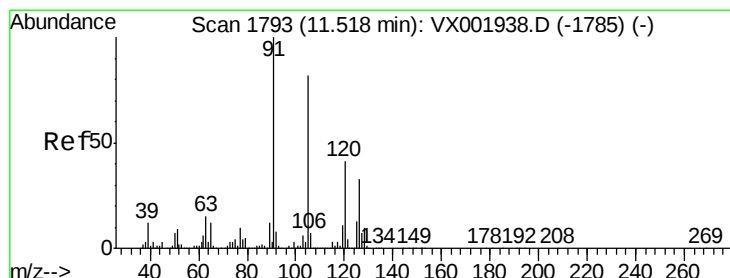
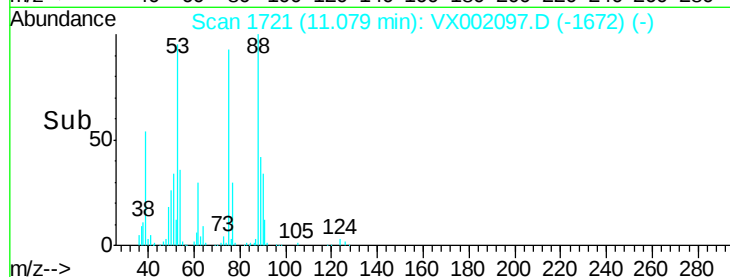
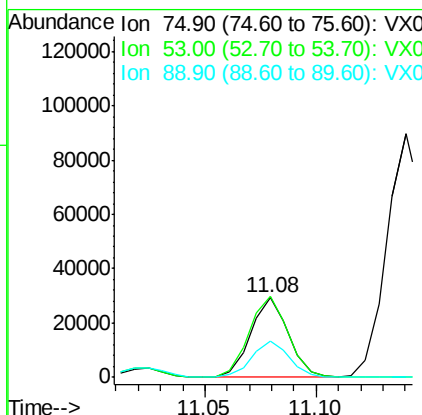
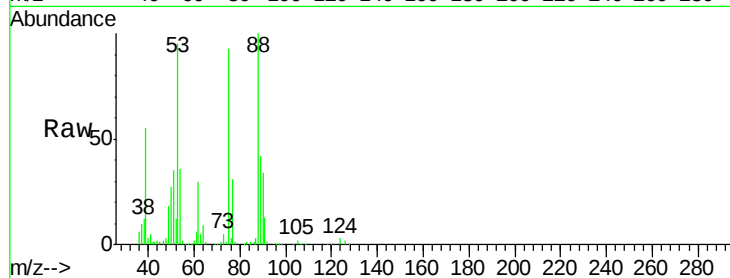
ClientSampleId :

VX0529WBSD01

Tot Ion:	75	Resp:	34418
Ion	Ratio	Lower	Upper
75	100		
53	105.2	78.0	117.0
89	45.8	39.4	59.2

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#82

4-Chlorotoluene

Concen: 18.62 ug/l

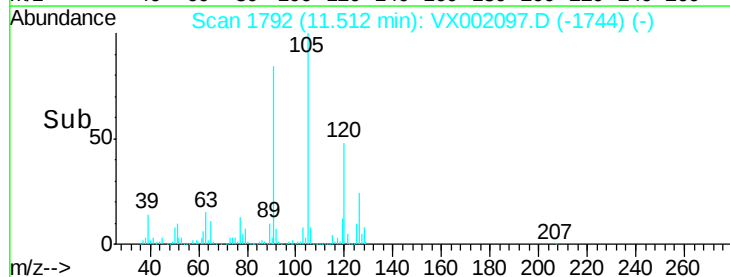
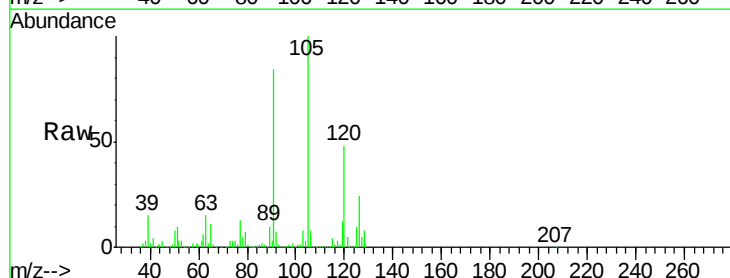
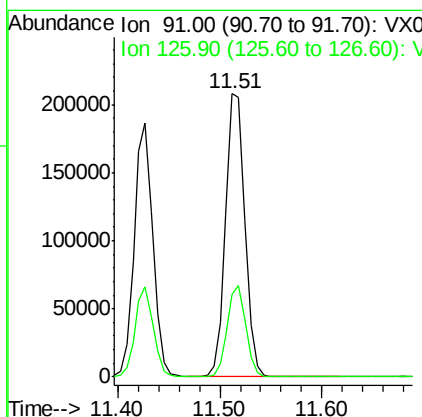
RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Tgt Ion:	91	Resp:	273512
Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.3	45.8





#83

tert-Butylbenzene

Concen: 18.55 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

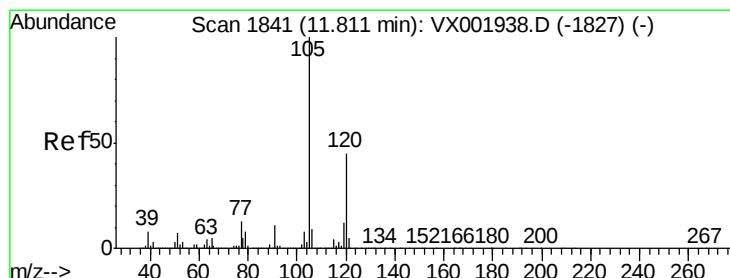
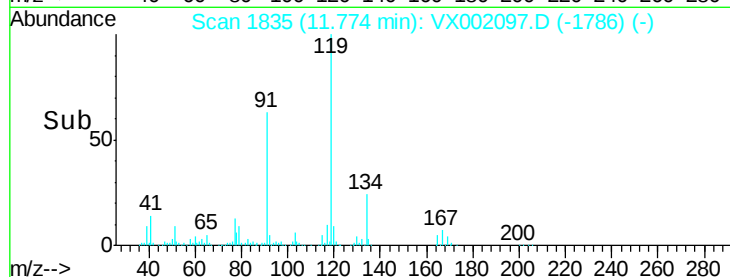
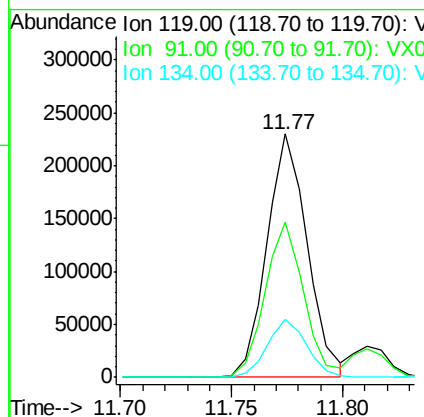
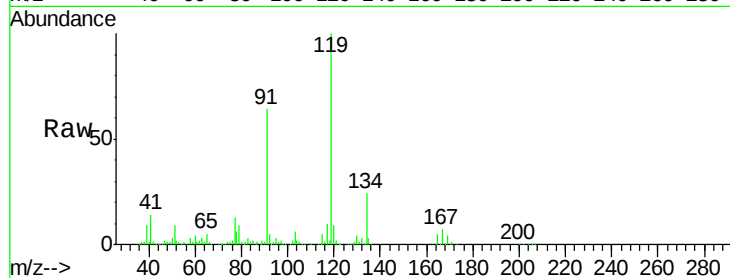
ClientSampleId :

VX0529WBSD01

Tot Ion:	119	Resp:	289310
Ion Ratio	Lower	Upper	
119	100		
91	61.3	30.6	91.8
134	23.3	11.7	35.0

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#84

1,2,4-Trimethylbenzene

Concen: 18.36 ug/l

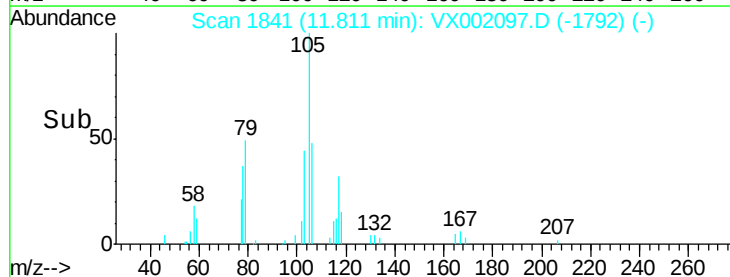
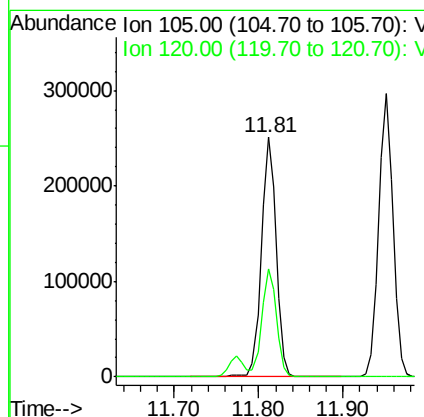
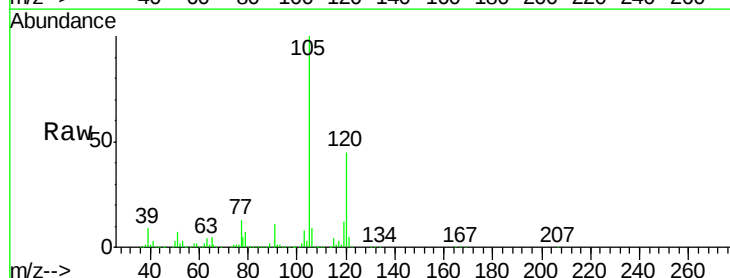
RT: 11.81 min Scan# 1841

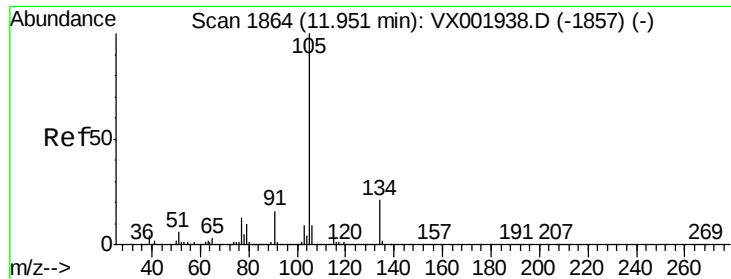
Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Tgt Ion:	105	Resp:	301551
Ion Ratio	Lower	Upper	
105	100		
120	44.8	22.1	66.5





#85

sec-Butylbenzene

Concen: 18.82 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

ClientSampled :

VX0529WBSD01

Tot Ion:105 Resp: 352692

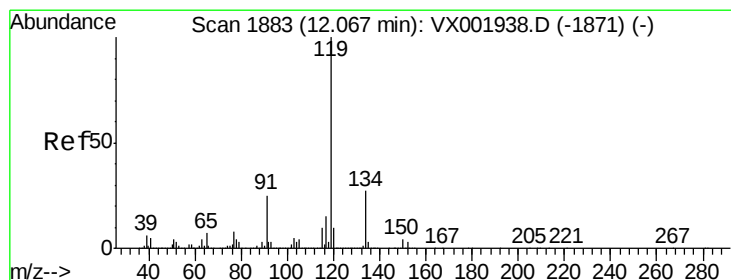
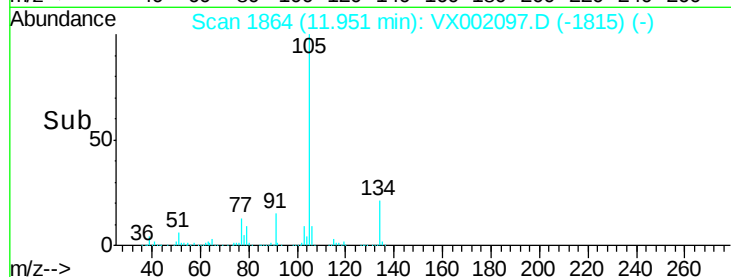
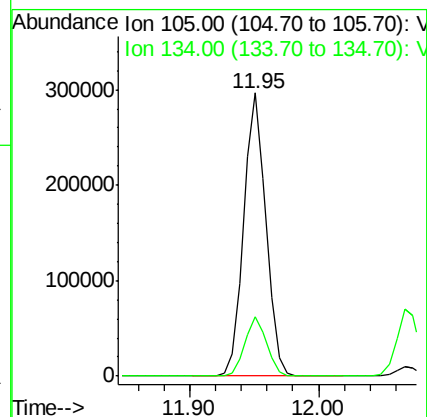
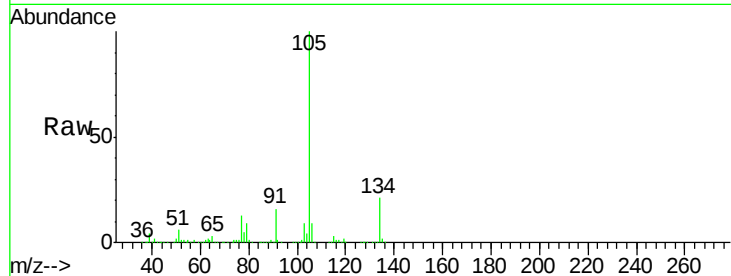
Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 18.53 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

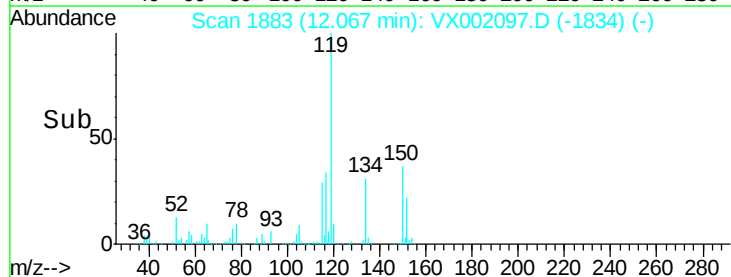
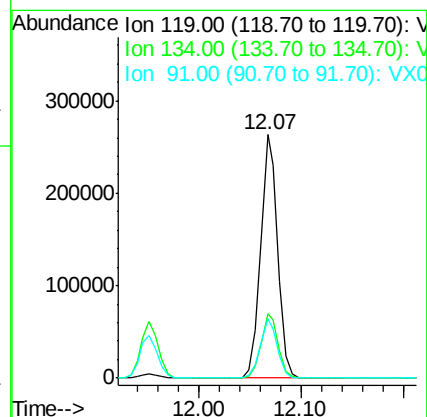
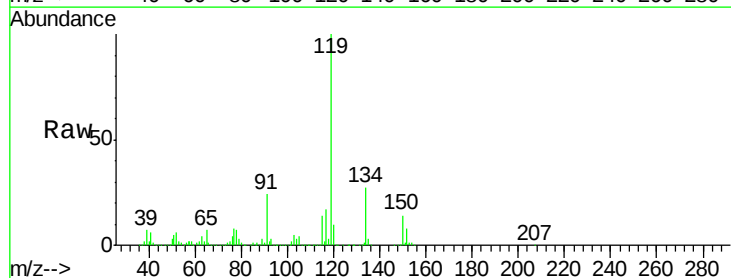
Tgt Ion:119 Resp: 310791

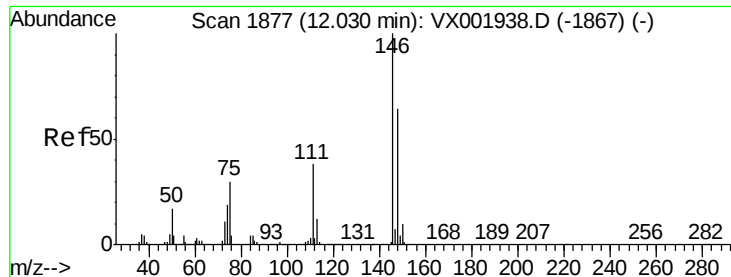
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

91 24.4 12.2 36.4





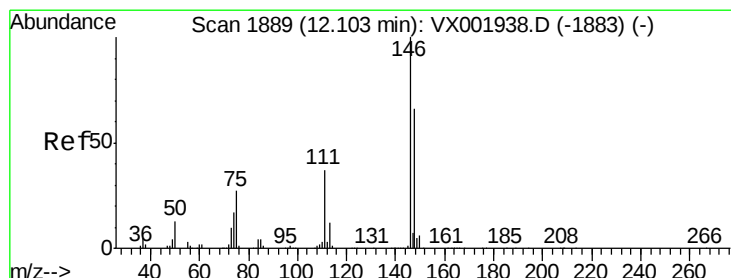
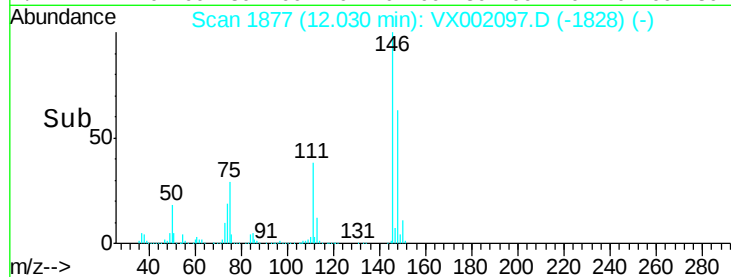
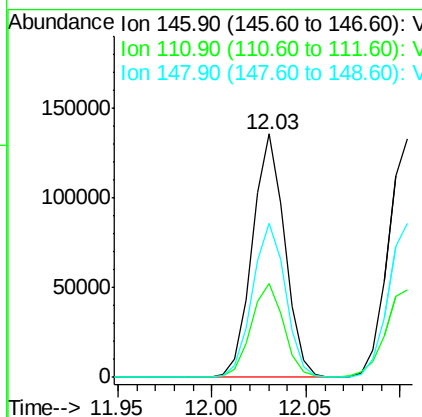
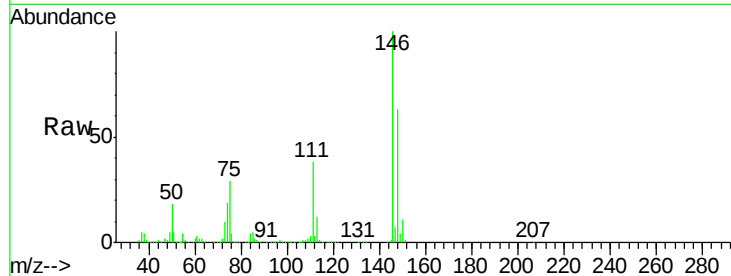
#87
 1,3-Dichlorobenzene
 Concen: 18.32 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002097.D
 Acq: 29 May 2018 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.8
148	64.6	32.1	96.3

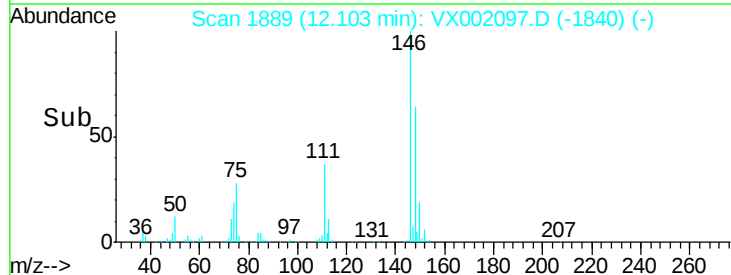
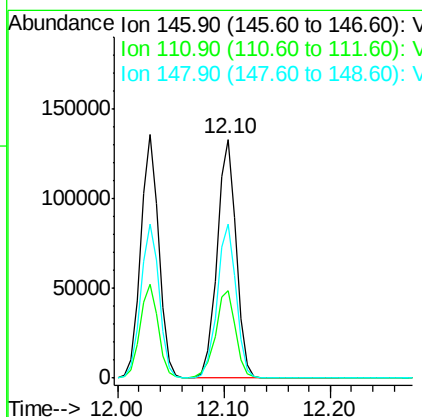
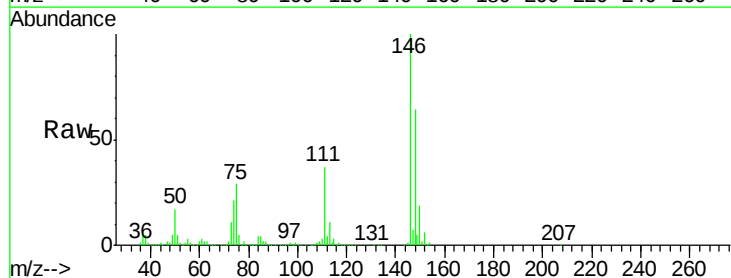
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 18.60 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002097.D
 Acq: 29 May 2018 17:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.9	56.5
148	64.4	32.3	96.8





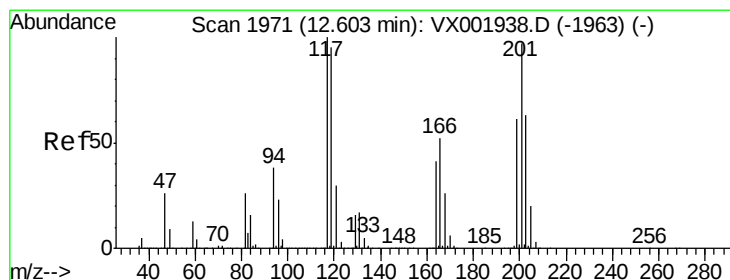
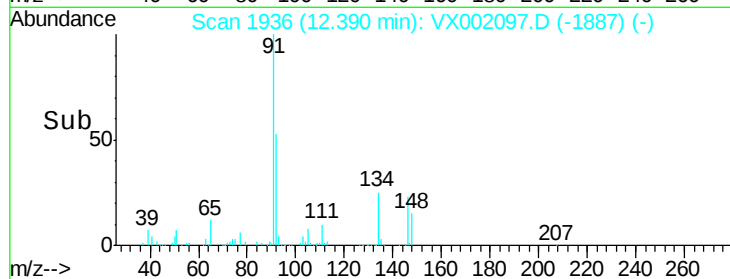
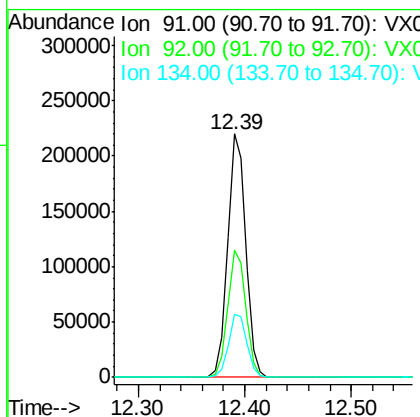
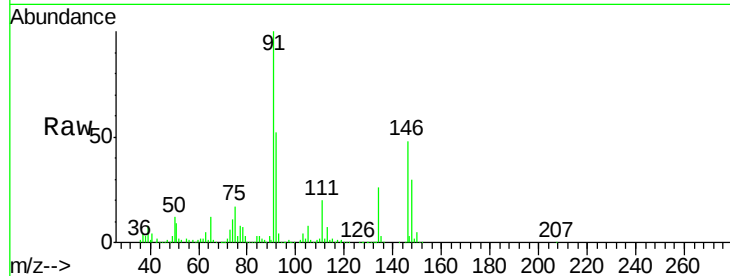
#89
n-Butylbenzene
Concen: 18.43 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.9
134	26.1	13.6	40.7

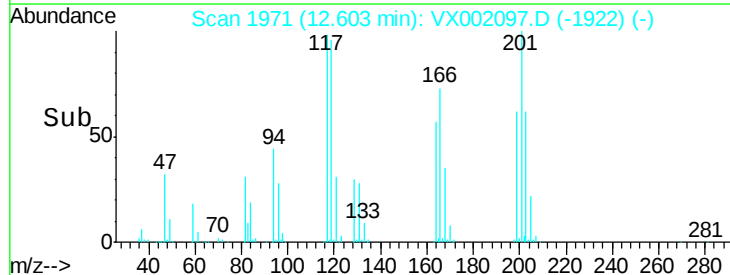
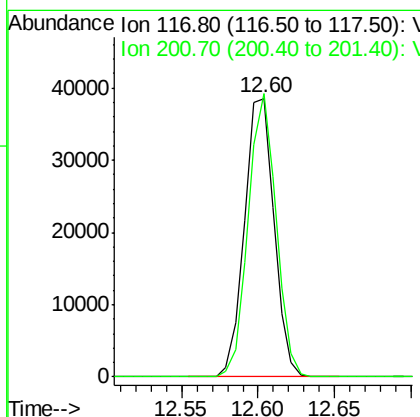
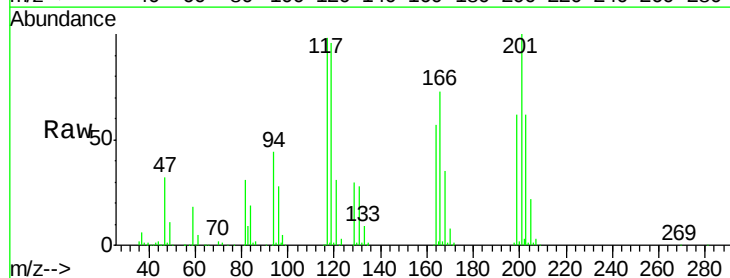
Manual Integrations
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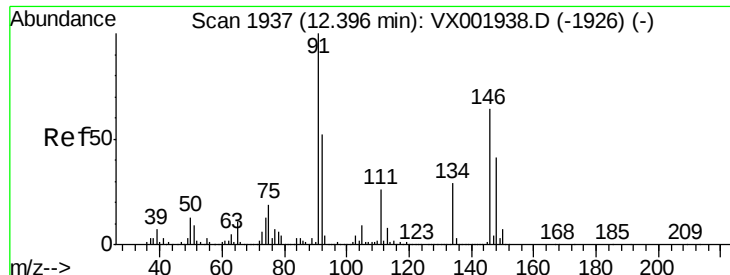
MMDadoda
5/30/2018 1:50:57 PM



#90
Hexachloroethane
Concen: 15.68 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX002097.D
Acq: 29 May 2018 17:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.6	48.0	144.0





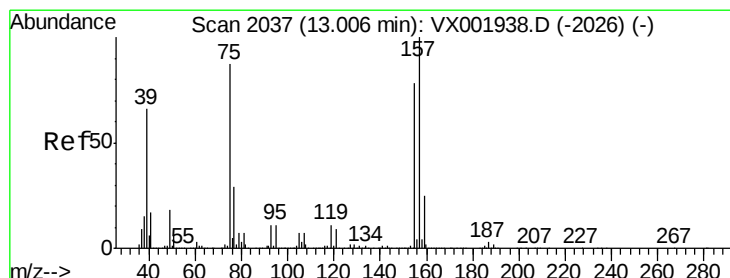
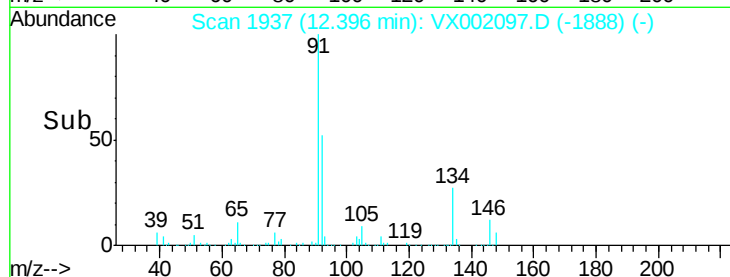
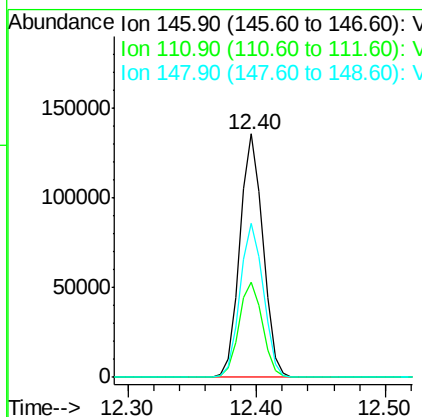
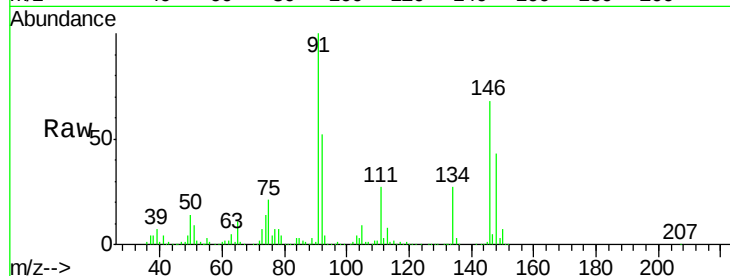
#91
 1,2-Dichlorobenzene
 Concen: 18.66 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002097.D
 Acq: 29 May 2018 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	167945		
111	39.8		19.8	59.3
148	64.0		32.1	96.5

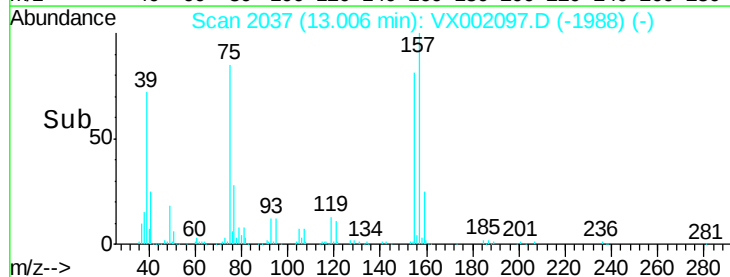
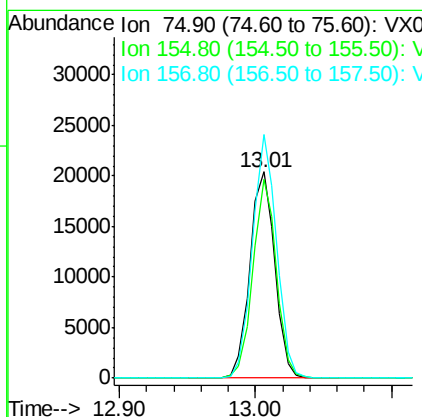
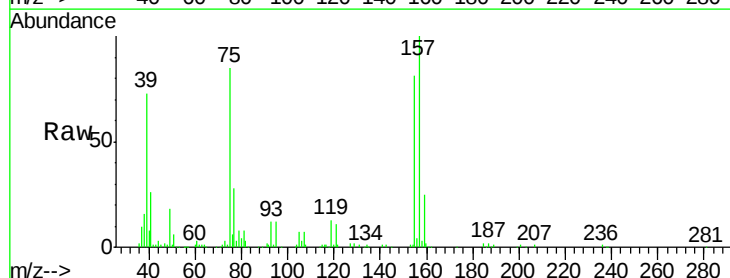
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.88 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002097.D
 Acq: 29 May 2018 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26260		
155	90.6		45.1	135.2
157	114.3		58.1	174.2





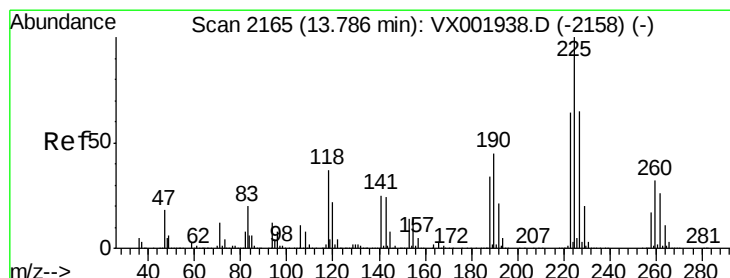
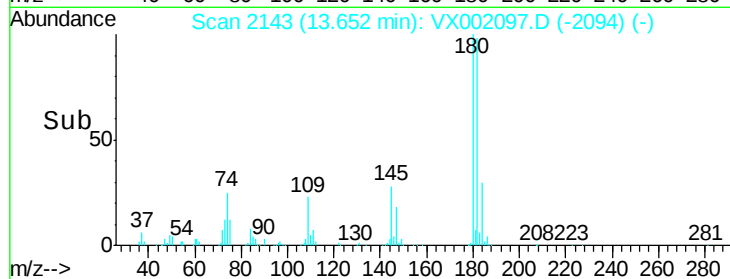
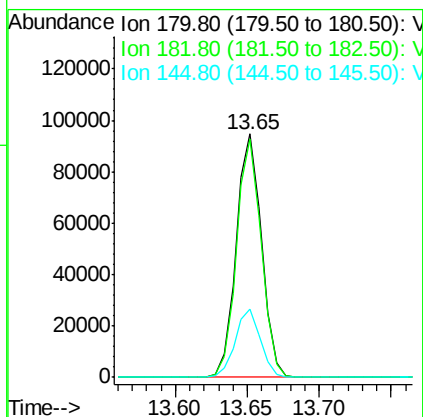
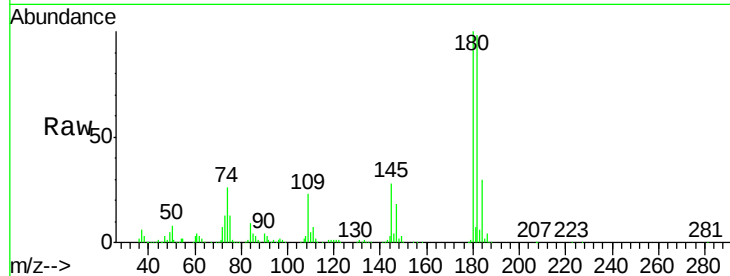
#93
 1,2,4-Trichlorobenzene
 Concen: 18.02 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002097.D
 Acq: 29 May 2018 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116003		
182	95.8	47.7	143.1	
145	28.1	14.4	43.0	

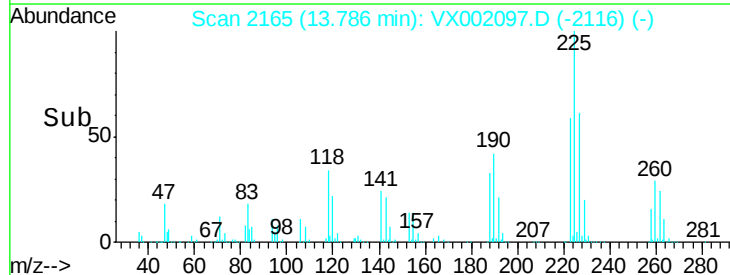
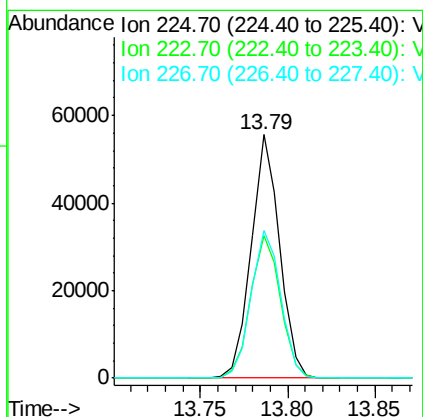
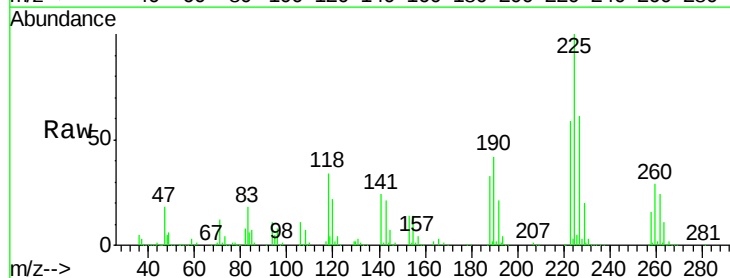
Manual Integrations
 APPROVED

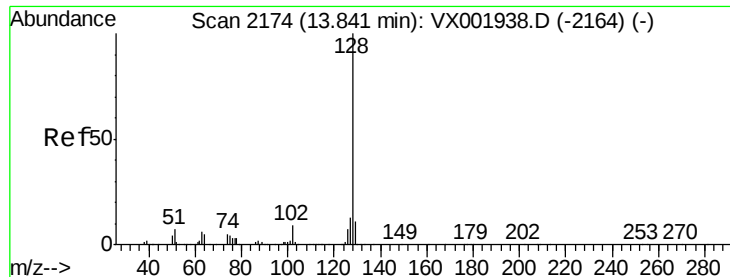
MMDadoda
 5/30/2018 1:50:57 PM



#94
 Hexachlorobutadiene
 Concen: 18.13 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002097.D
 Acq: 29 May 2018 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62785		
223	61.6	31.1	93.5	
227	63.3	32.1	96.5	





#95

Naphthalene

Concen: 18.35 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Instrument :

MSVOA_X

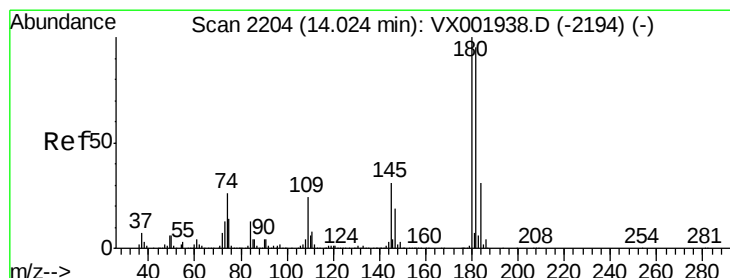
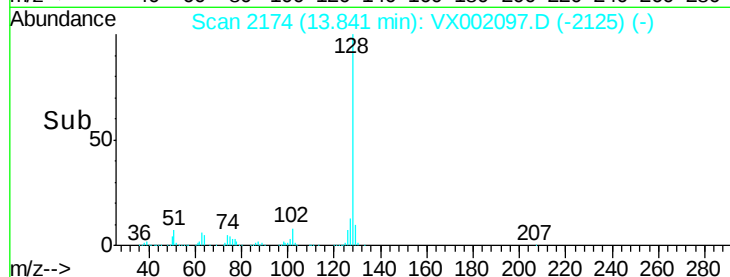
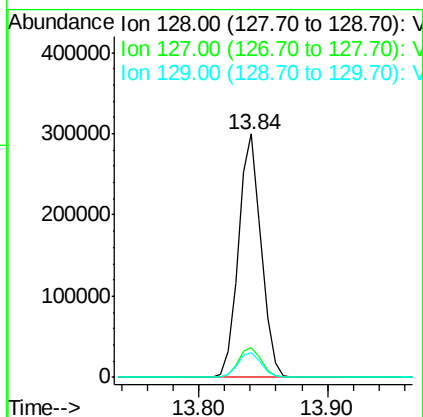
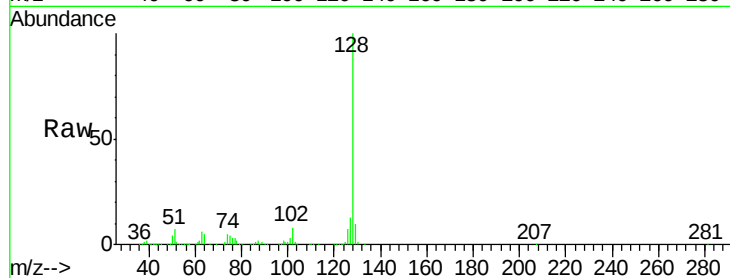
ClientSampleId :

VX0529WBSD01

Tot Ion:	128	Resp:	363835
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/30/2018 1:50:57 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.20 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002097.D

Acq: 29 May 2018 17:06

Tgt Ion:	180	Resp:	121246
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.9	143.6
145	30.4	15.1	45.3

