

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053018\
 Data File : VX002161.D
 Acq On : 31 May 2018 03:03
 Operator : JC/MD
 Sample : VX0530WBSD03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBSD03

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 3:07:50 PM

Quant Time: May 31 06:49:19 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	220723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	321910	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	297552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	192321	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	172084	43.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.24%	
35) Dibromofluoromethane	5.51	113	129709	40.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.58%	
50) Toluene-d8	8.72	98	482842	41.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.86%	
62) 4-Bromofluorobenzene	11.14	95	184643	40.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	47071	15.64	ug/l	100
3) Chloromethane	1.32	50	65188	19.20	ug/l	98
4) Vinyl Chloride	1.40	62	66670	20.33	ug/l	98
5) Bromomethane	1.64	94	39394	25.63	ug/l	99
6) Chloroethane	1.73	64	43878	22.70	ug/l	98
7) Trichlorofluoromethane	1.93	101	107297	21.79	ug/l	98
8) Diethyl Ether	2.19	74	43132	24.14	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	59180	21.54	ug/l	98
10) Methyl Iodide	2.51	142	64221	17.27	ug/l	97
11) Tert butyl alcohol	3.07	59	97316	125.66	ug/l	99
12) 1,1-Dichloroethene	2.37	96	55723	21.66	ug/l	97
13) Acrolein	2.29	56	25673	76.67	ug/l	98
14) Allyl chloride	2.73	41	119143	22.06	ug/l	98
15) Acrylonitrile	3.15	53	193473	121.48	ug/l	99
16) Acetone	2.45	43	185975	122.14	ug/l	99
17) Carbon Disulfide	2.57	76	136495	18.43	ug/l	97
18) Methyl Acetate	2.78	43	99713	26.65	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	231277	23.90	ug/l	100
20) Methylene Chloride	2.86	84	70259	25.84	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	61182	23.59	ug/l	97
22) Diisopropyl ether	3.88	45	221638	20.18	ug/l	100
23) Vinyl Acetate	3.83	43	946799	103.96	ug/l	99
24) 1,1-Dichloroethane	3.70	63	109430	20.97	ug/l	99
25) 2-Butanone	4.71	43	268595	96.24	ug/l	100
26) 2,2-Dichloropropane	4.59	77	67051	12.70	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	64388	19.19	ug/l	95
28) Bromochloromethane	5.03	49	56631	24.80	ug/l	98
29) Tetrahydrofuran	5.17	42	179234	98.71	ug/l	99
30) Chloroform	5.22	83	115048	19.57	ug/l	100
31) Cyclohexane	5.58	56	99377	18.28	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	99436	18.14	ug/l	99
36) 1,1-Dichloropropene	5.80	75	79399	17.73	ug/l	98
37) Ethyl Acetate	4.87	43	105411	18.06	ug/l	99
38) Carbon Tetrachloride	5.79	117	84554	16.19	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	96555	17.55	ug/l	94
40) Benzene	6.15	78	249318	19.01	ug/l	99
41) Methacrylonitrile	5.07	41	59364	18.41	ug/l	99
42) 1,2-Dichloroethane	6.20	62	100652	19.21	ug/l	99
43) Isopropyl Acetate	6.47	43	176569	18.15	ug/l	100
44) Trichloroethene	7.22	130	70649	18.48	ug/l	97
45) 1,2-Dichloropropane	7.52	63	67959	19.08	ug/l	99
46) Dibromomethane	7.67	93	45486	19.28	ug/l	99
47) Bromodichloromethane	7.90	83	82432	16.39	ug/l	100
48) Methyl methacrylate	7.78	41	89313	18.04	ug/l	98
49) 1,4-Dioxane	7.76	88	34390	394.22	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	572498	97.64	ug/l	99
52) Toluene	8.79	92	160468	19.22	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	96107	16.59	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	88912	15.75	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	67128	19.25	ug/l	99
56) Ethyl methacrylate	9.18	69	106491	17.75	ug/l	98
57) 1,3-Dichloropropane	9.38	76	113387	19.74	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	246844	92.84	ug/l	99
59) 2-Hexanone	9.50	43	430101	95.13	ug/l	100
60) Dibromochloromethane	9.59	129	65069	15.75	ug/l	100
61) 1,2-Dibromoethane	9.68	107	69297	18.94	ug/l	98
64) Tetrachloroethene	9.34	164	80901	18.96	ug/l	98
65) Chlorobenzene	10.14	112	180415	19.14	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	64800	17.02	ug/l	99
67) Ethyl Benzene	10.26	91	307017	18.74	ug/l	100
68) m/p-Xylenes	10.36	106	235525	37.62	ug/l	100
69) o-Xylene	10.70	106	117851	18.85	ug/l	99
70) Styrene	10.71	104	192124	18.53	ug/l	100
71) Bromoform	10.86	173	48704	13.49	ug/l	99
73) Isopropylbenzene	11.02	105	311194	19.11	ug/l	99
74) N-amyl acetate	6.47	43	176569	18.94	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	93998	20.35	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	88137m	19.08	ug/l	
77) Bromobenzene	11.26	156	83515	19.33	ug/l	97
78) n-propylbenzene	11.37	91	343699	18.84	ug/l	99
79) 2-Chlorotoluene	11.43	91	209636	19.55	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	263133	18.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	25143	13.08	ug/l	87
82) 4-Chlorotoluene	11.51	91	243363	18.92	ug/l	100
83) tert-Butylbenzene	11.77	119	252108	18.46	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	267895	18.63	ug/l	99
85) sec-Butylbenzene	11.95	105	304260	18.53	ug/l	99
86) p-Isopropyltoluene	12.07	119	269732	18.36	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	146468	18.93	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	148500	19.20	ug/l	99
89) n-Butylbenzene	12.39	91	222728	17.89	ug/l	99
90) Hexachloroethane	12.60	117	40087	13.83	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	152793	19.38	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	21933	15.15	ug/l	99

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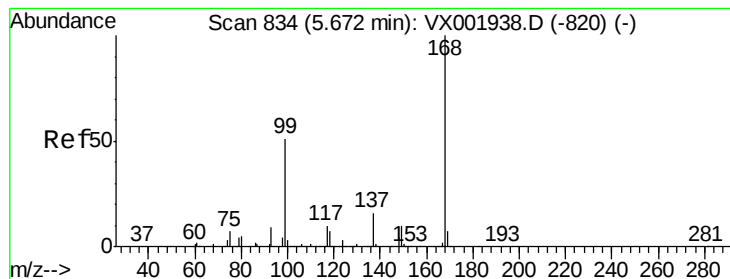
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	104794	18.59	ug/l	99
94) Hexachlorobutadiene	13.79	225	54891	18.10	ug/l	99
95) Naphthalene	13.84	128	330193	19.01	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	108684	18.63	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBSD03

Tot Ion:168 Resp: 220723

Ion Ratio Lower Upper

168 100

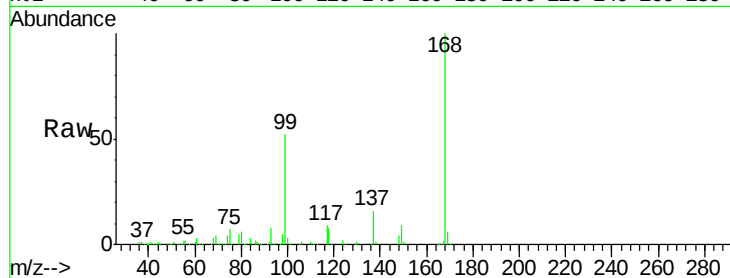
99 51.7 41.0 61.4

Manual Integrations

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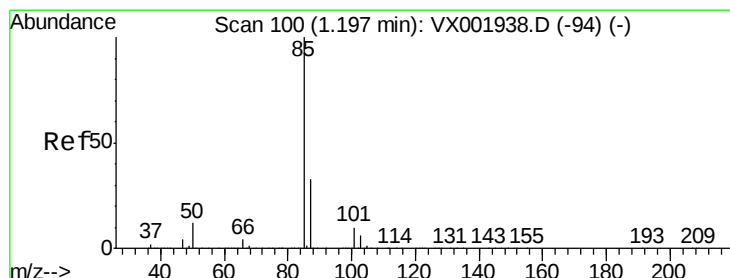
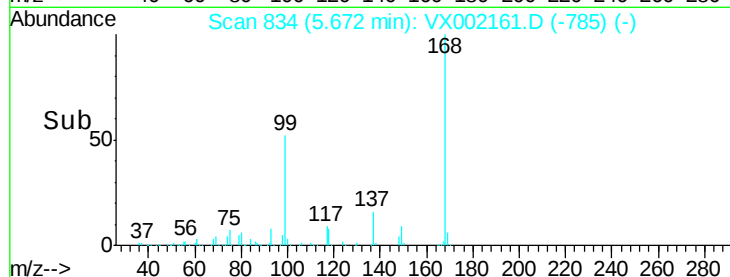
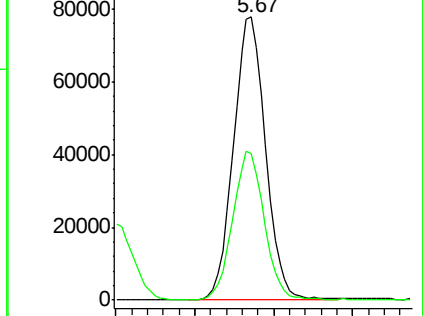
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 15.64 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002161.D

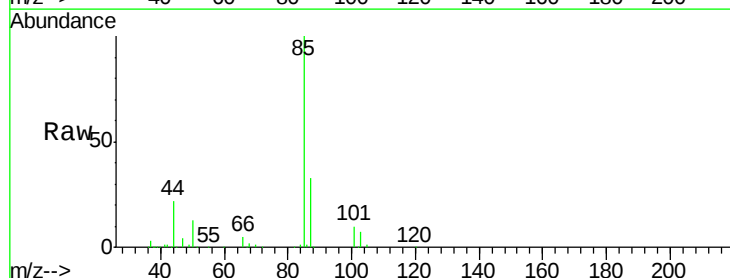
Acq: 31 May 2018 03:03

Tgt Ion: 85 Resp: 47071

Ion Ratio Lower Upper

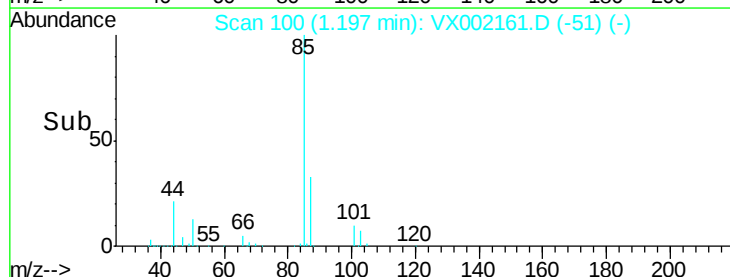
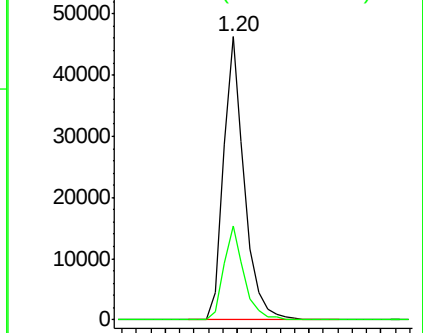
85 100

87 33.2 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: 19.20 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBSD03

Tot Ion: 50 Resp: 65188

Ion Ratio Lower Upper

50 100

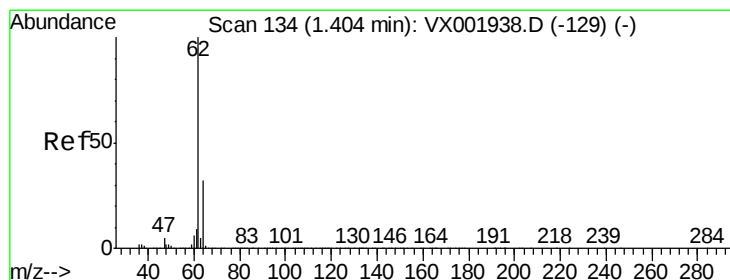
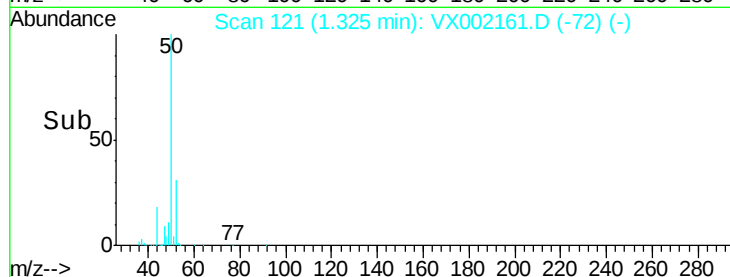
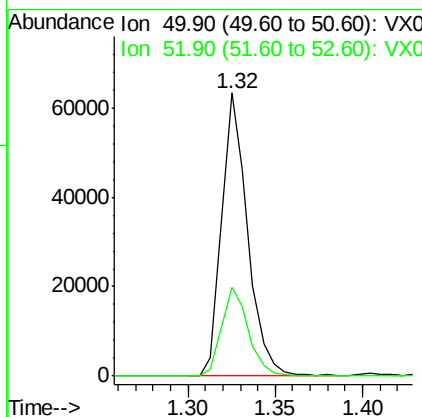
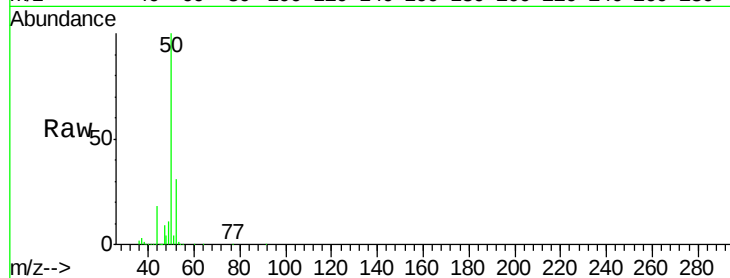
52 31.4 26.0 39.0

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#4

Vinyl Chloride

Concen: 20.33 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002161.D

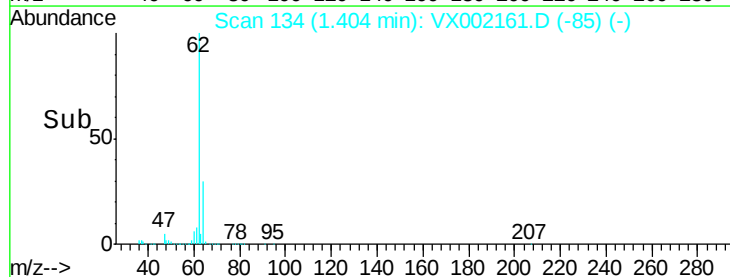
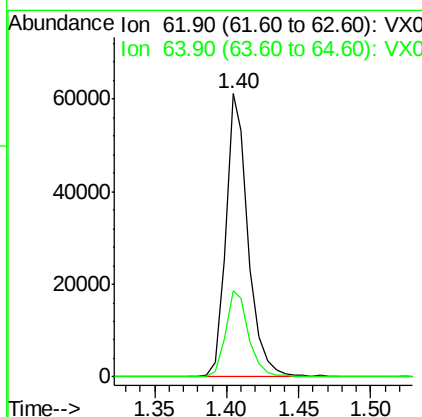
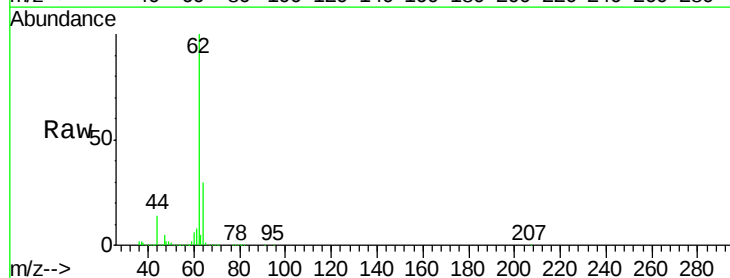
Acq: 31 May 2018 03:03

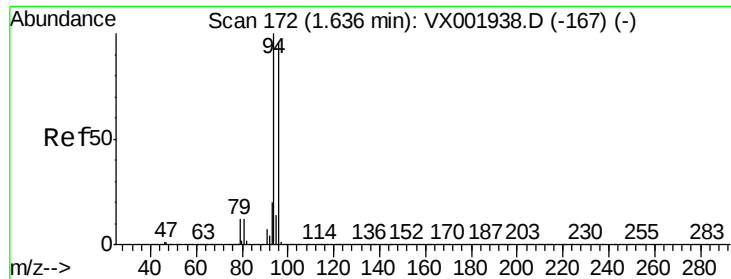
Tgt Ion: 62 Resp: 66670

Ion Ratio Lower Upper

62 100

64 30.3 25.4 38.0





#5

Bromomethane

Concen: 25.63 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBSD03

Tot Ion: 94 Resp: 39394

Ion Ratio Lower Upper

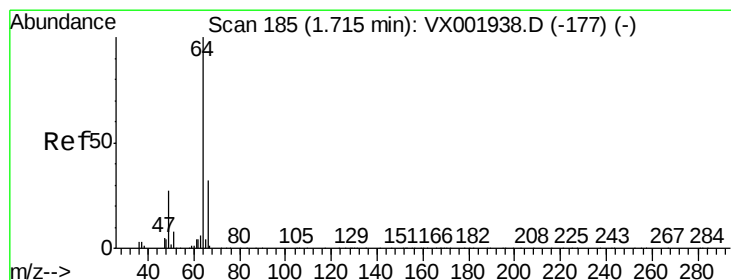
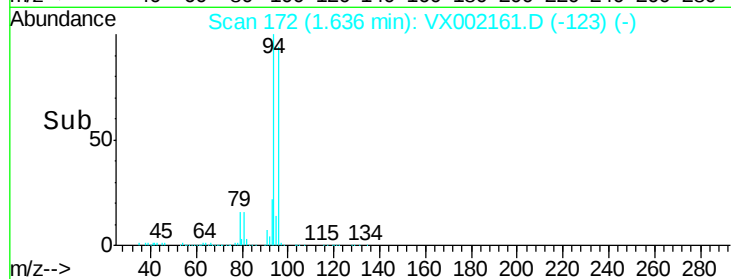
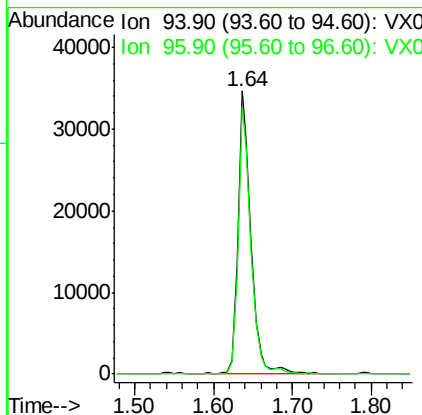
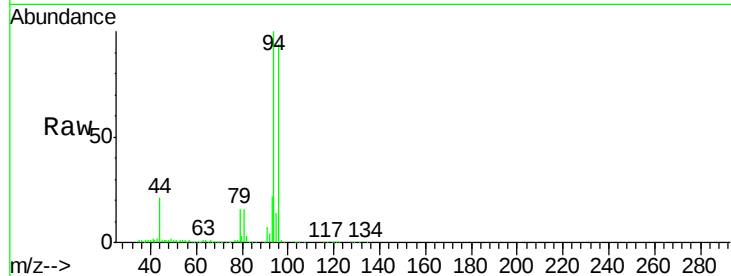
94 100

96 94.3 75.9 113.9

Manual Integrations
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#6

Chloroethane

Concen: 22.70 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002161.D

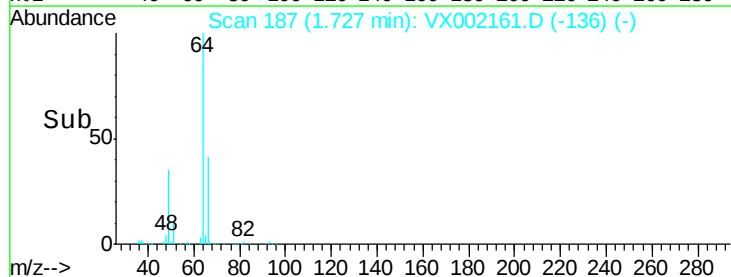
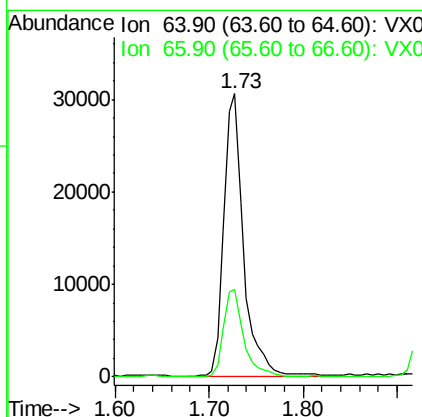
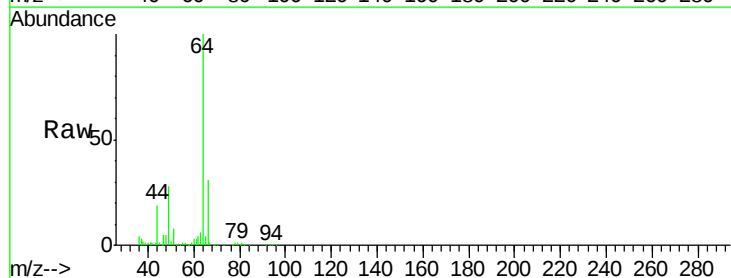
Acq: 31 May 2018 03:03

Tgt Ion: 64 Resp: 43878

Ion Ratio Lower Upper

64 100

66 30.8 25.6 38.4





#7

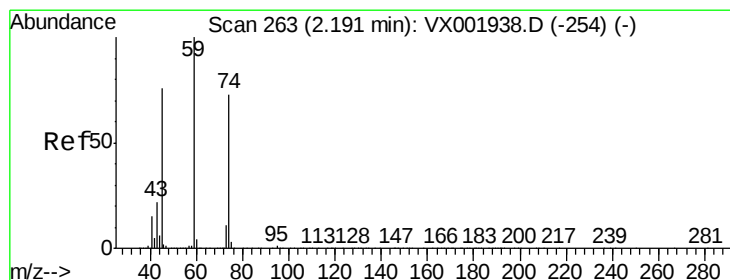
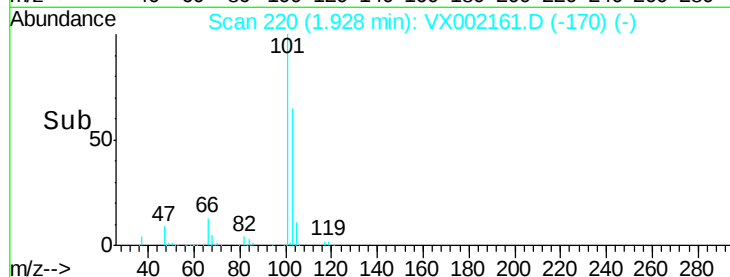
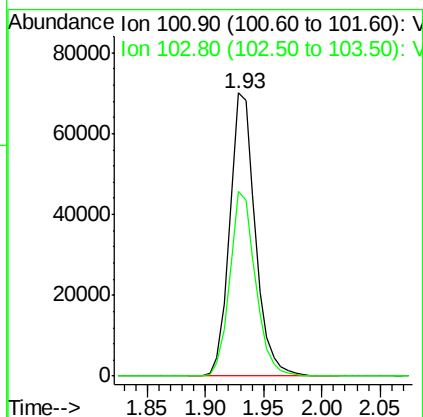
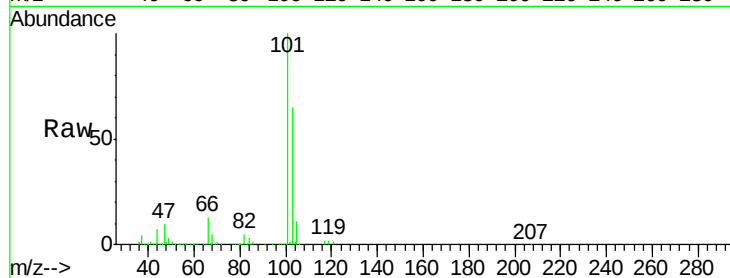
Trichlorofluoromethane
Concen: 21.79 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Instrument :
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ClientSampleId :
VX0530WBSD03

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.0

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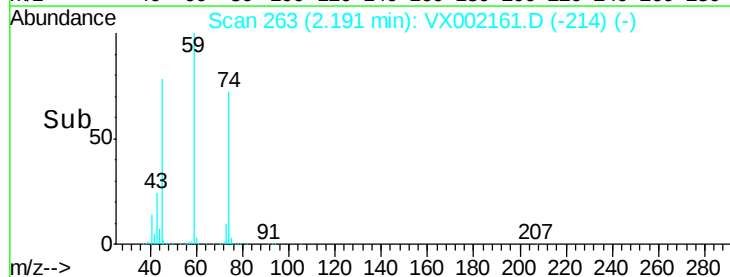
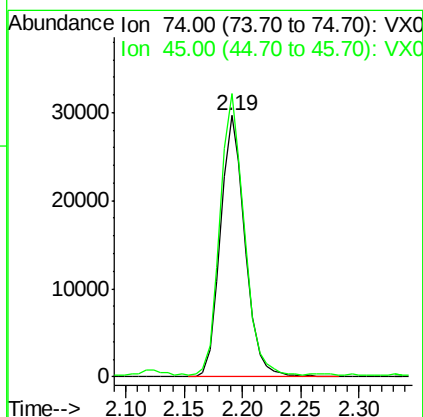
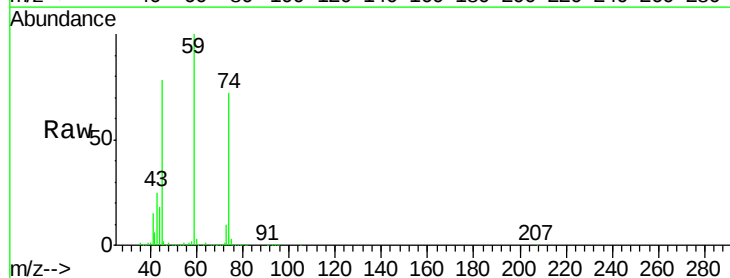
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#8

Diethyl Ether
Concen: 24.14 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.2	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.54 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Instrument :

MSVOA_X

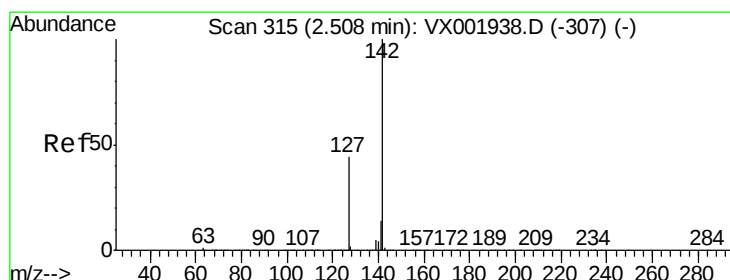
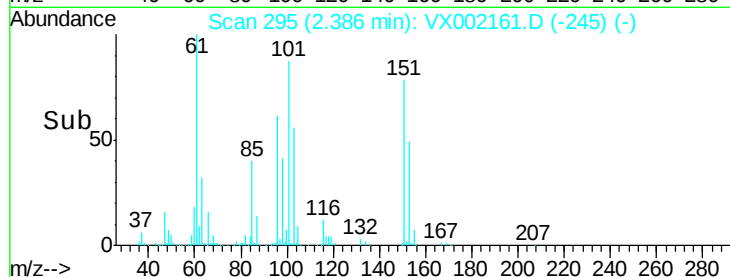
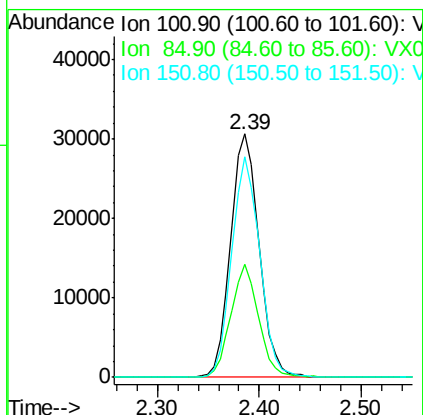
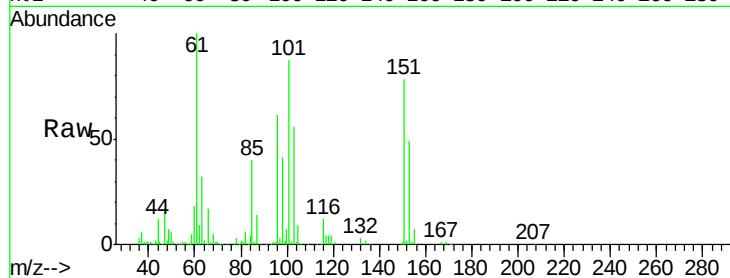
ClientSampleId :

VX0530WBSD03

Tot Ion:	101	Resp:	59180
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.6	53.4
151	89.0	73.2	109.8

Manual Integrations
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#10

Methyl Iodide

Concen: 17.27 ug/l

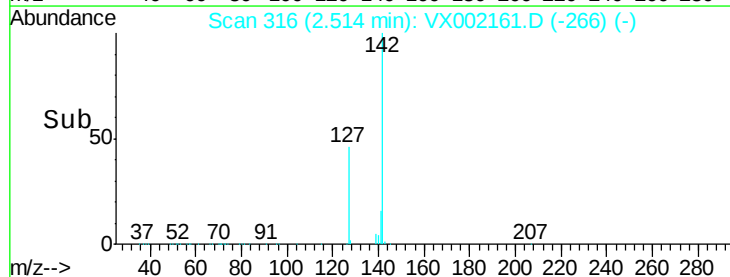
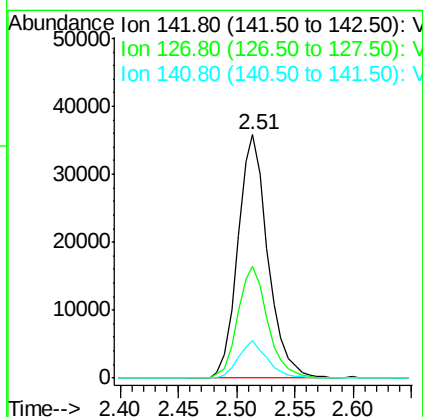
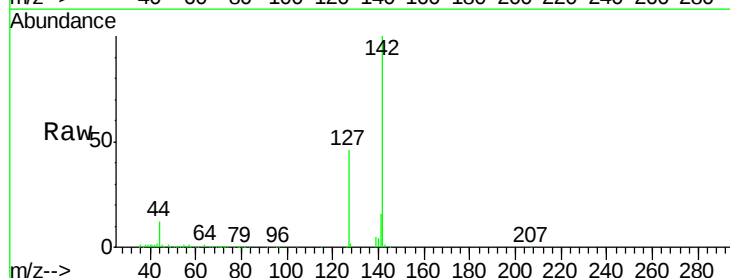
RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Tgt Ion:	142	Resp:	64221
Ion Ratio	Lower	Upper	
142	100		
127	46.2	35.5	53.3
141	15.0	11.3	16.9





#11

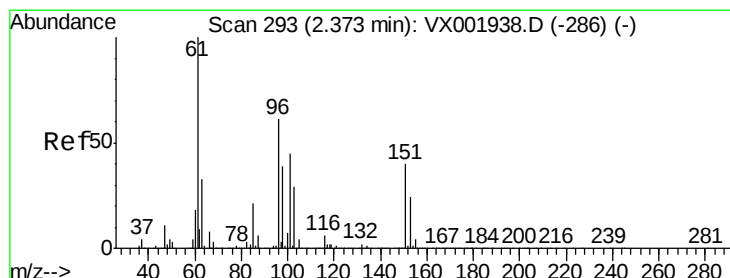
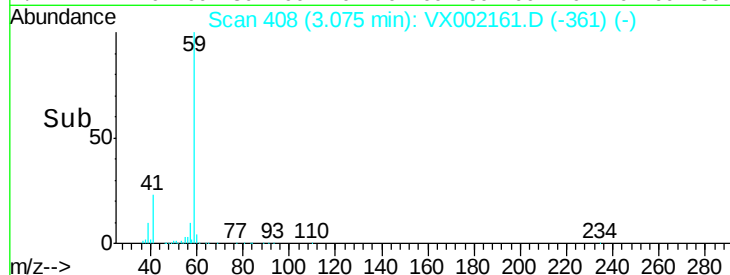
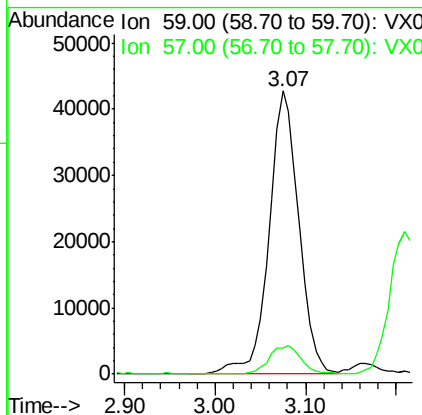
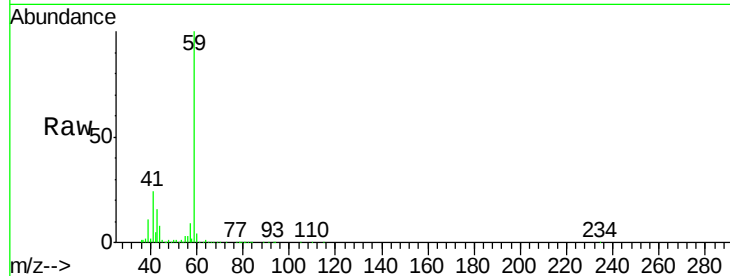
Tert butyl alcohol
 Concen: 125.66 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX002161.D
 Acq: 31 May 2018 03:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBSD03

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.9	13.3

Manual Integrations
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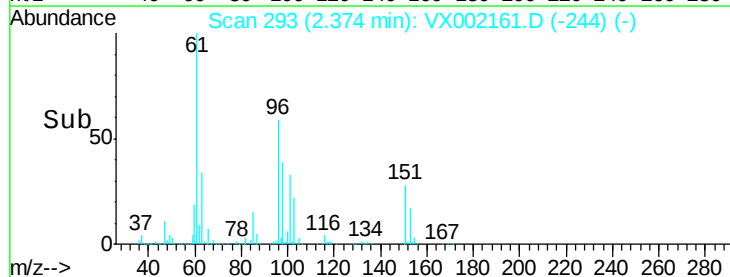
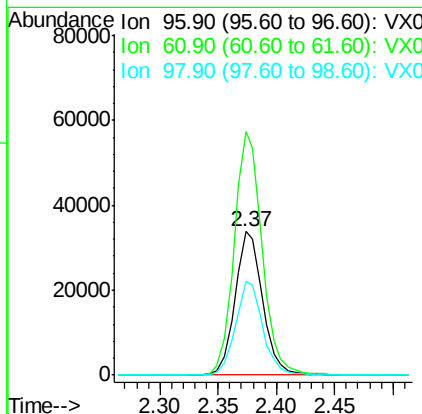
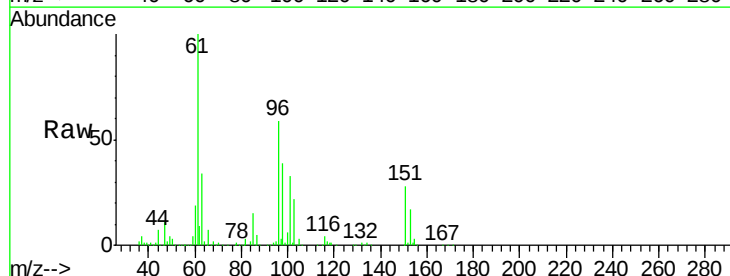
MMDadoda
 5/31/2018 3:07:50 PM



#12

1,1-Dichloroethene
 Concen: 21.66 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX002161.D
 Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.6	131.7	197.5
98	65.4	51.6	77.4





#13

Acrolein

Concen: 76.67 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBSD03

Tot Ion: 56 Resp: 25673

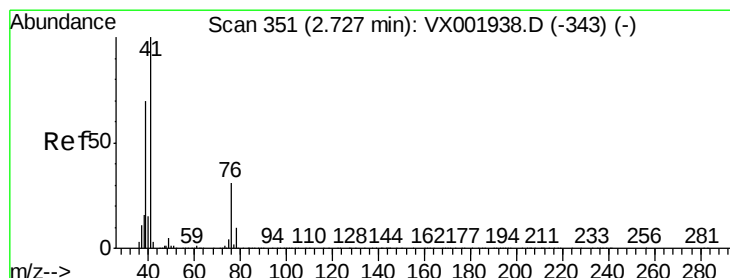
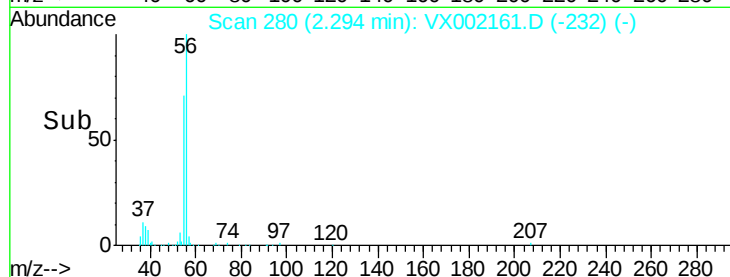
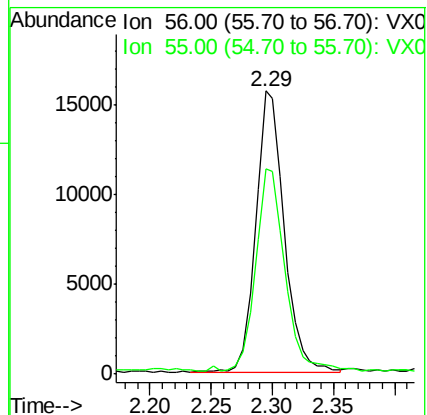
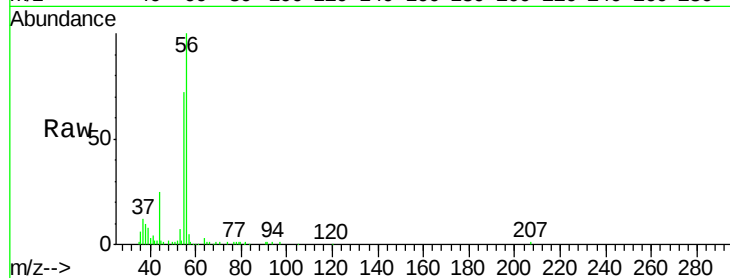
Ion Ratio Lower Upper

56 100

55 72.9 56.8 85.2

Manual Integrations
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MMDadoda
5/31/2018 3:07:50 PM



#14

Allyl chloride

Concen: 22.06 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

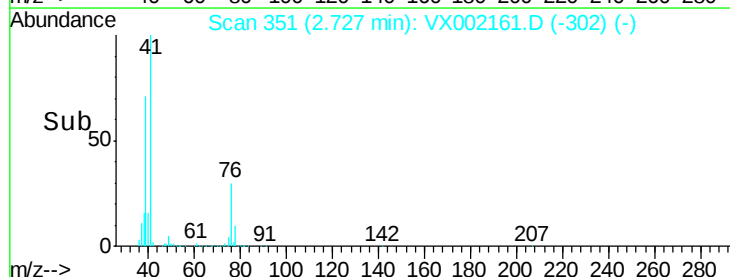
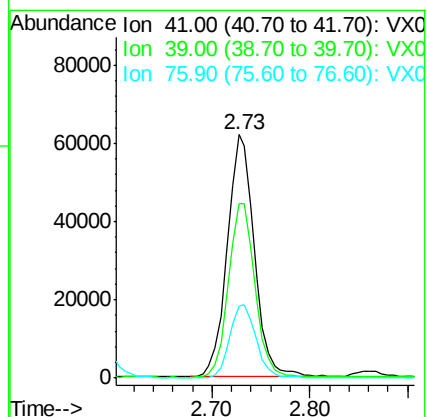
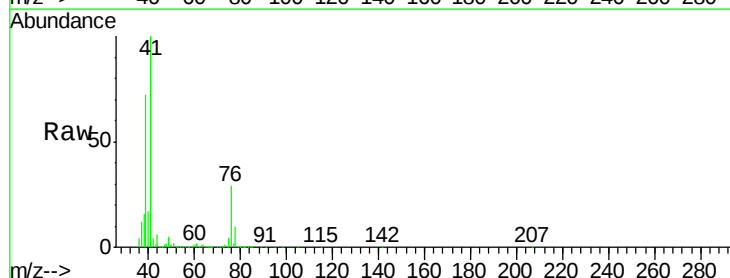
Tgt Ion: 41 Resp: 119143

Ion Ratio Lower Upper

41 100

39 70.0 54.3 81.5

76 29.2 24.2 36.4





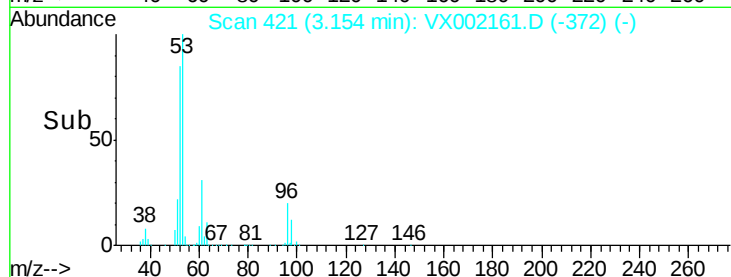
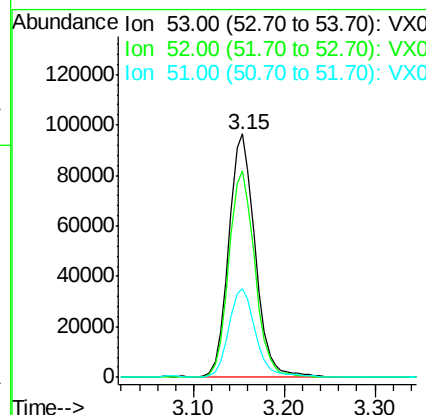
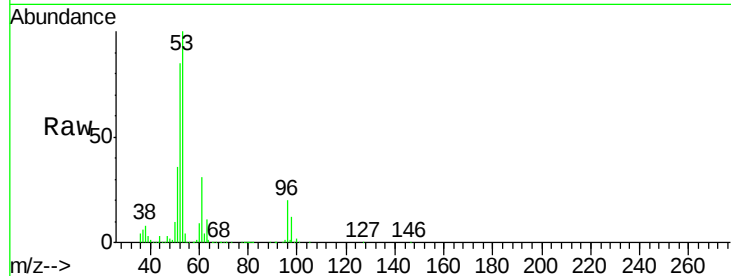
#15
 Acrylonitrile
 Concen: 121.48 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. 0.00 min
 Lab File: VX002161.D
 Acq: 31 May 2018 03:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBSD03

Tot Ion:	53	Resp:	193473
Ion Ratio	Lower	Upper	
53	100		
52	84.2	66.4	99.6
51	37.4	29.3	43.9

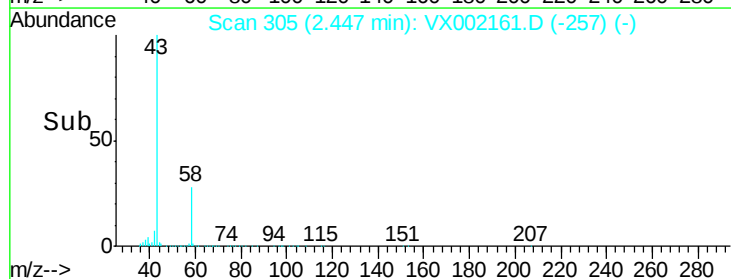
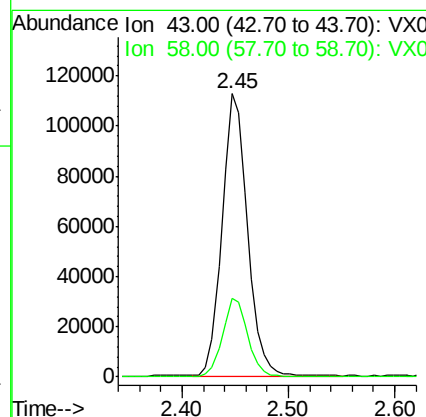
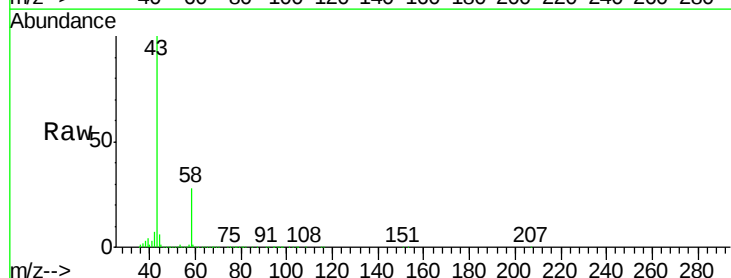
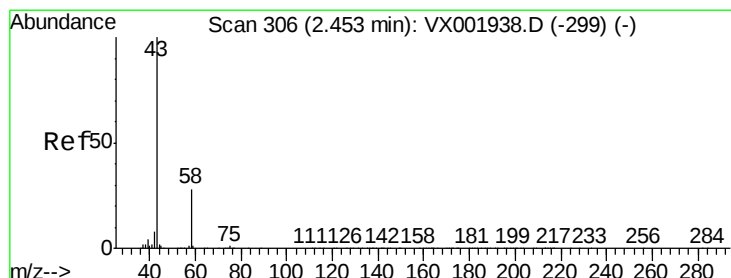
Manual Integrations
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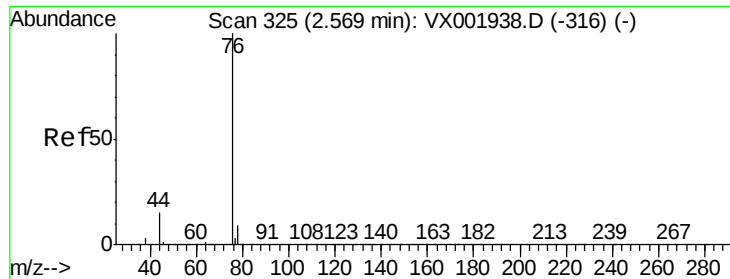
MMDadoda
 5/31/2018 3:07:50 PM



#16
 Acetone
 Concen: 122.14 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX002161.D
 Acq: 31 May 2018 03:03

Tgt Ion:	43	Resp:	185975
Ion Ratio	Lower	Upper	
43	100		
58	27.6	22.3	33.5





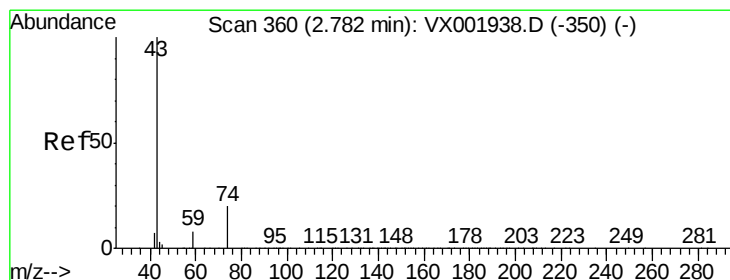
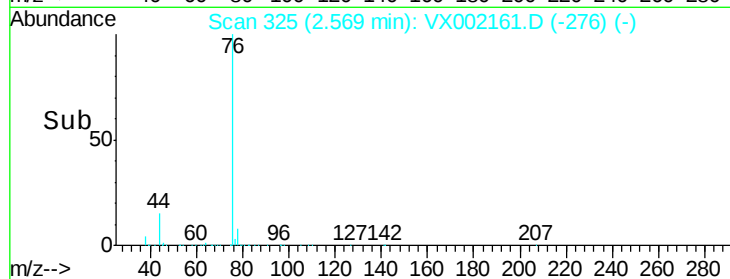
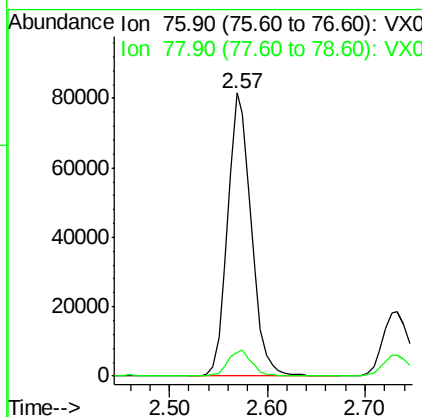
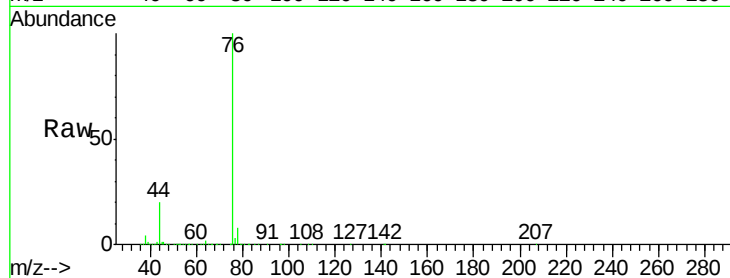
#17
Carbon Disulfide
Concen: 18.43 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBSD03

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.4	11.2

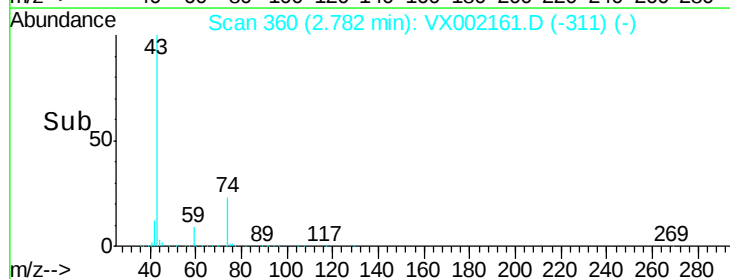
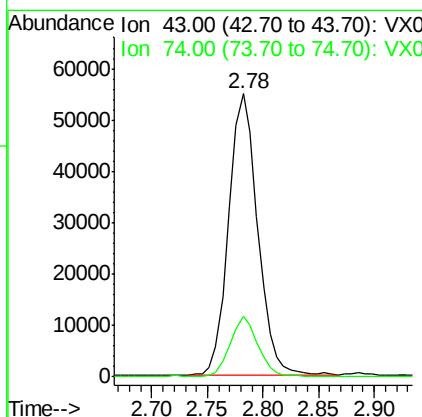
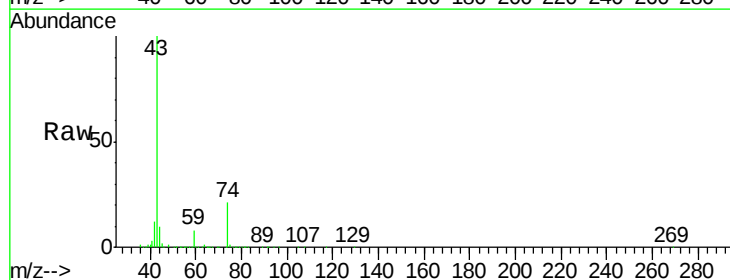
Manual Integrations
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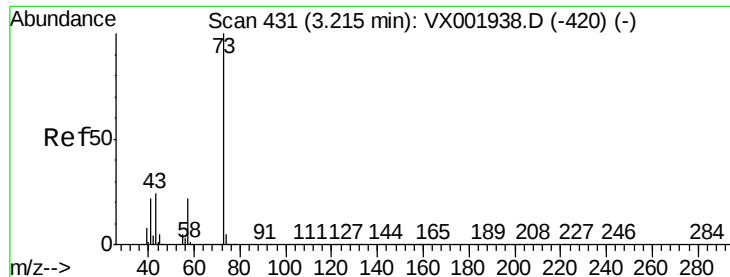
MMDadoda
5/31/2018 3:07:50 PM



#18
Methyl Acetate
Concen: 26.65 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	16.8	25.2





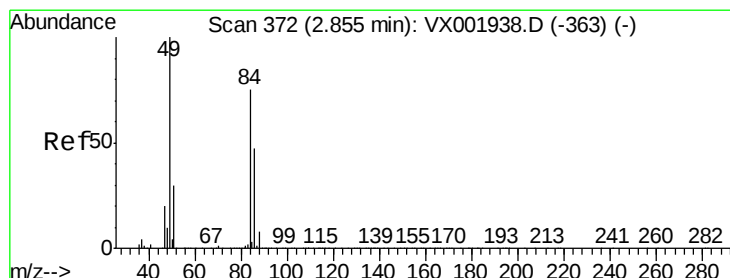
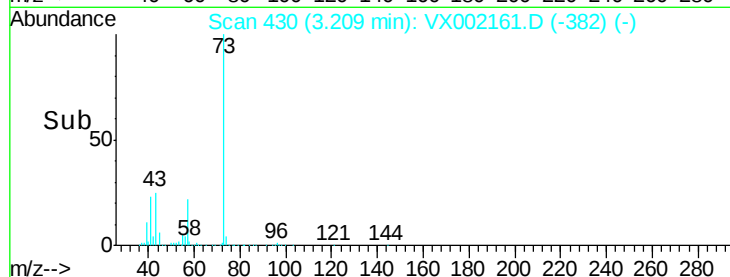
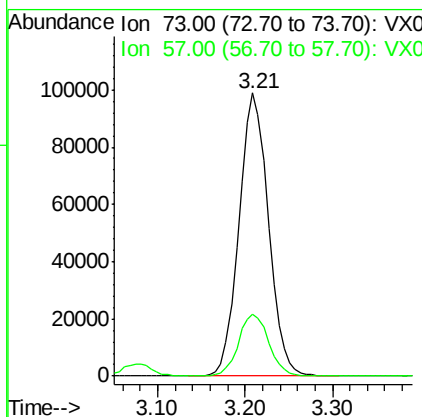
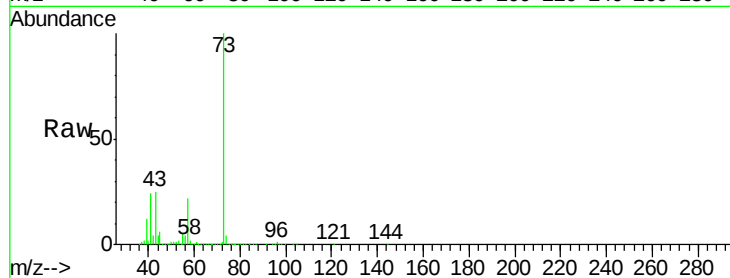
#19
Methvl tert-butvl Ether
Concen: 23.90 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBSD03

Tot Ion: 73 Resp: 231277
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.0

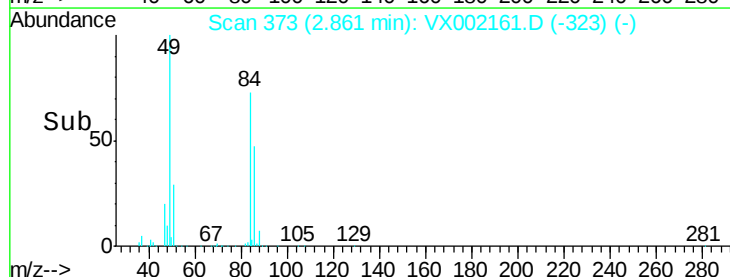
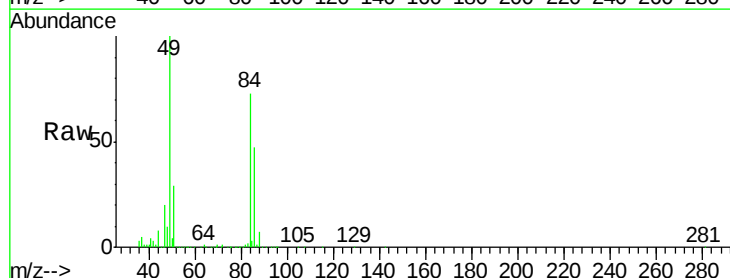
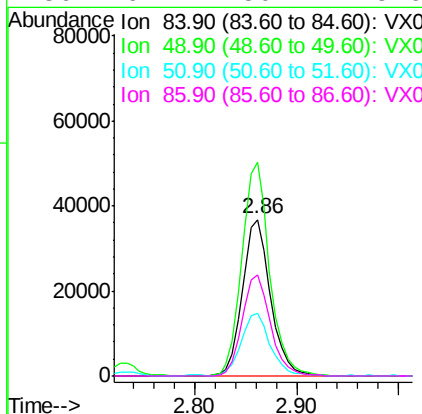
Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:50 PM



#20
Methylene Chloride
Concen: 25.84 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Tgt Ion: 84 Resp: 70259
Ion Ratio Lower Upper
84 100
49 136.3 107.2 160.8
51 39.7 32.4 48.6
86 64.4 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 23.59 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Instrument :

MSVOA_X

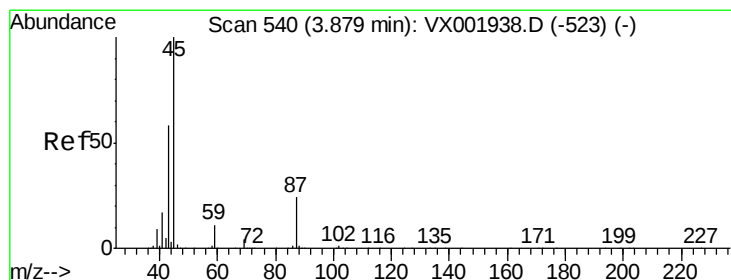
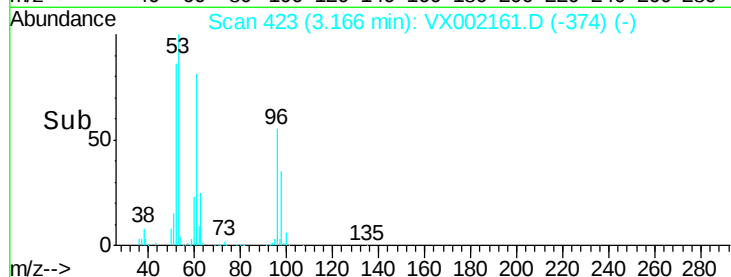
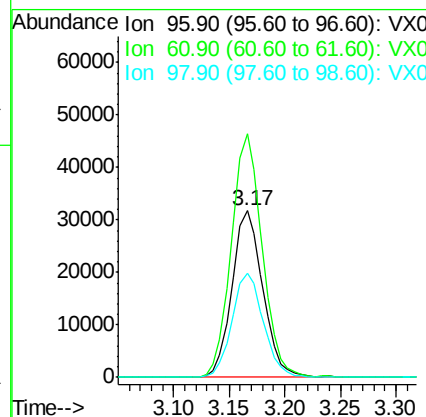
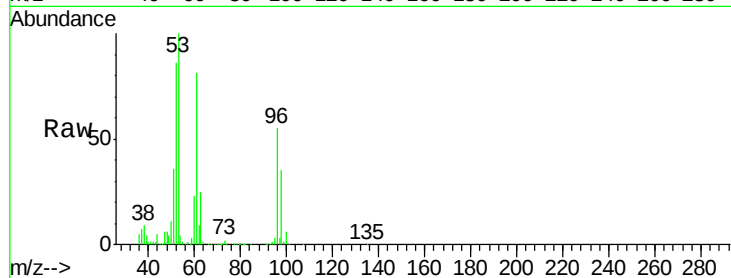
ClientSampleId :

VX0530WBSD03

Tot Ion:	96	Resp:	61182
Ion	Ratio	Lower	Upper
96	100		
61	145.9	113.3	169.9
98	62.8	51.7	77.5

Manual Integrations
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MMDadoda
5/31/2018 3:07:50 PM



#22

Diisopropyl ether

Concen: 20.18 ug/l

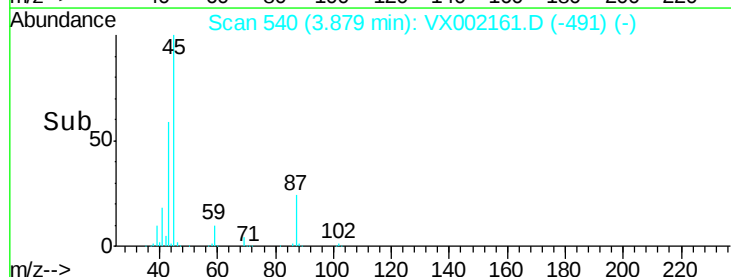
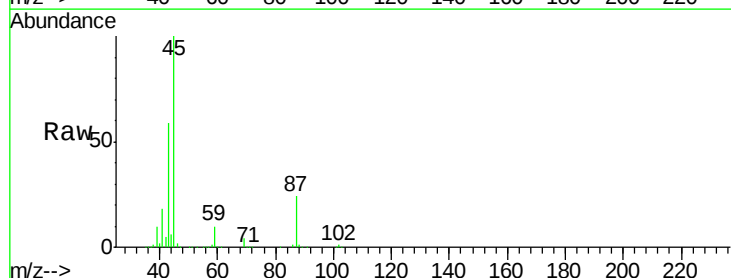
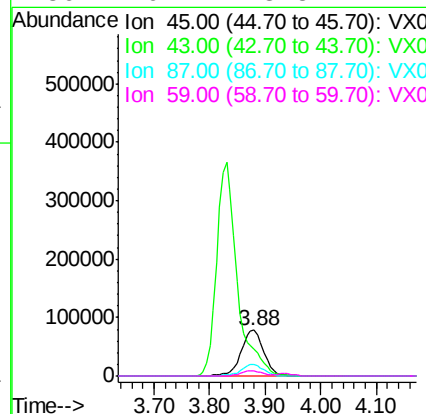
RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Tgt Ion:	45	Resp:	221638
Ion	Ratio	Lower	Upper
45	100		
43	59.1	47.0	70.6
87	24.2	19.4	29.0
59	10.4	8.5	12.7





#23

Vinyl Acetate

Concen: 103.96 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBSD03

Tot Ion: 43 Resp: 946799

Ion Ratio Lower Upper

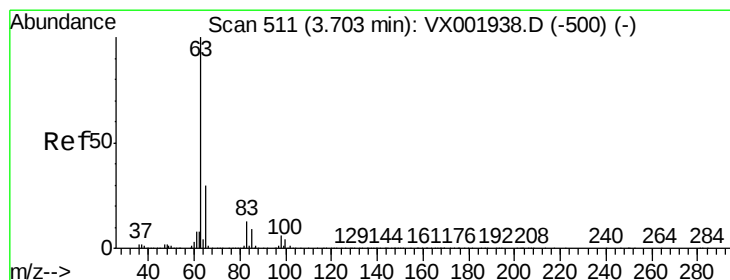
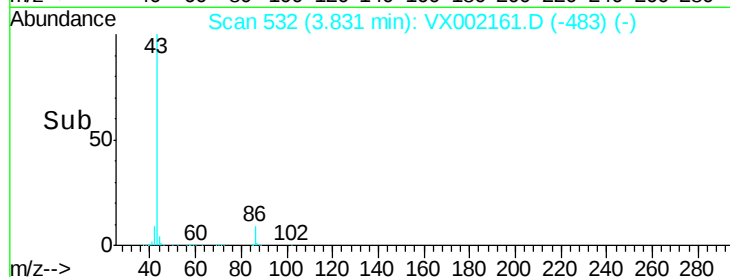
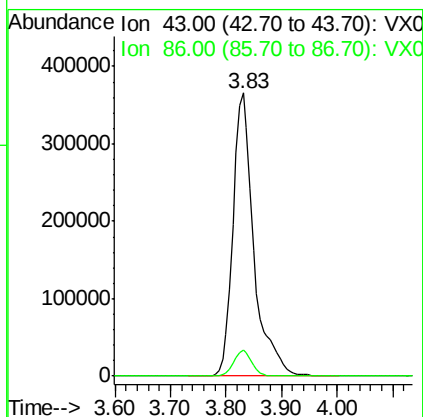
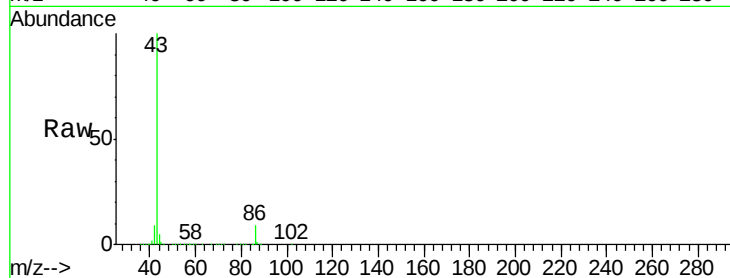
43 100

86 9.1 7.6 11.4

Manual Integrations
APPROVED

MMDadoda

5/31/2018 3:07:50 PM



#24

1,1-Dichloroethane

Concen: 20.97 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

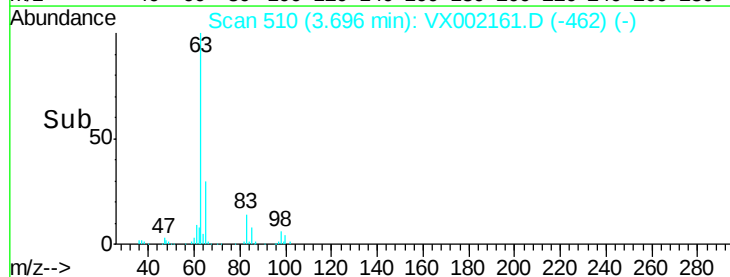
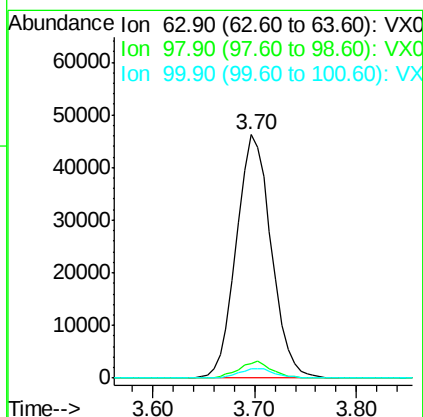
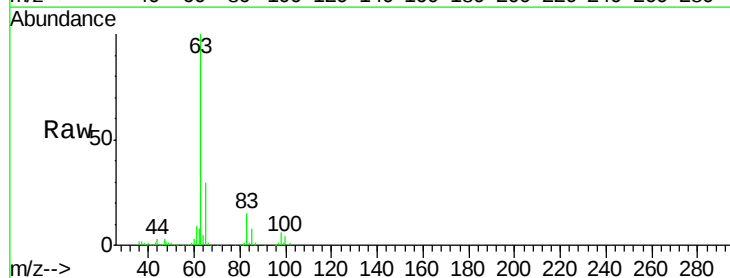
Tgt Ion: 63 Resp: 109430

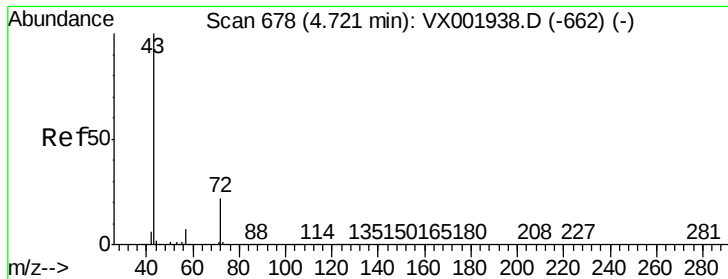
Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.8

100 4.0 2.1 6.5





#25

2-Butanone

Concen: 96.24 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Tot Ion: 43 Resp: 268595

Ion Ratio Lower Upper

43 100

72 22.3 17.9 26.9

Instrument :

MSVOA_X

ClientSampleId :

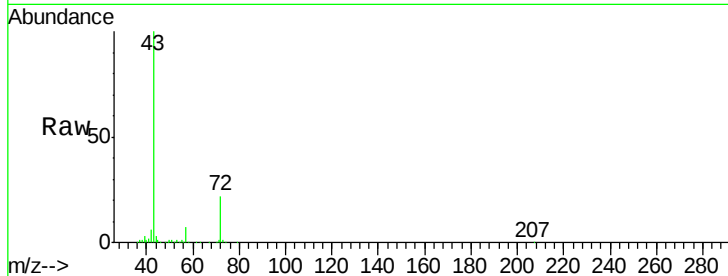
VX0530WBSD03

Manual Integrations

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5/31/2018 3:07:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

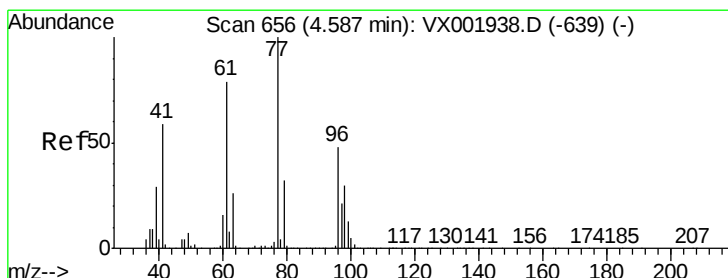
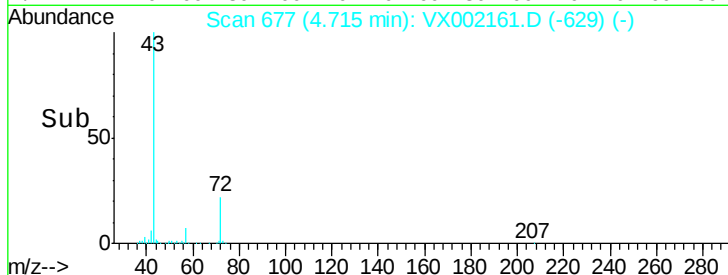
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 12.70 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002161.D

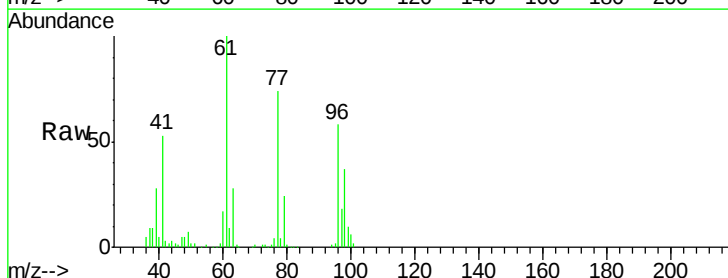
Acq: 31 May 2018 03:03

Tgt Ion: 77 Resp: 67051

Ion Ratio Lower Upper

77 100

97 23.5 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

20000

15000

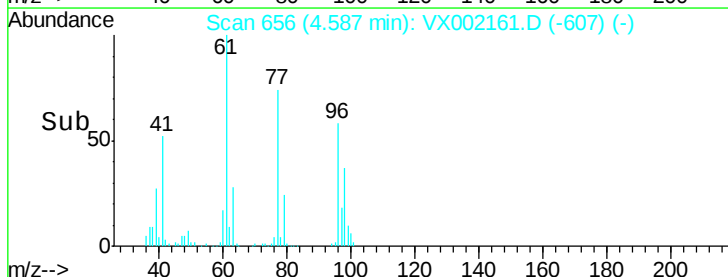
10000

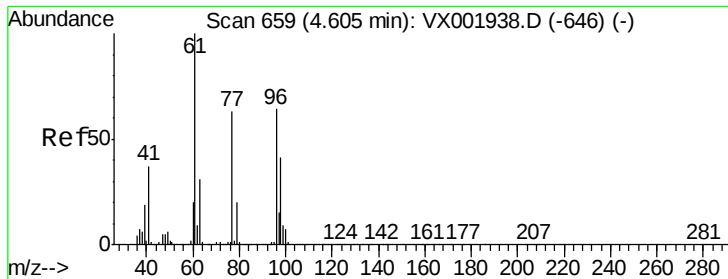
5000

0

4.40 4.50 4.60 4.70

Time-->





#27

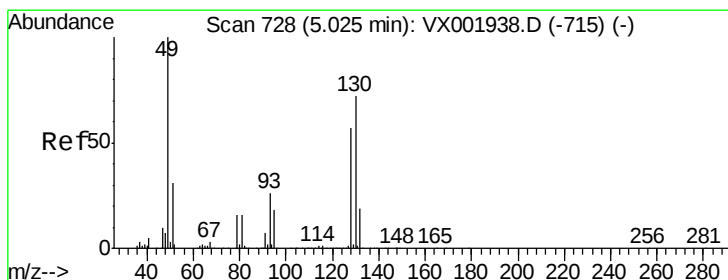
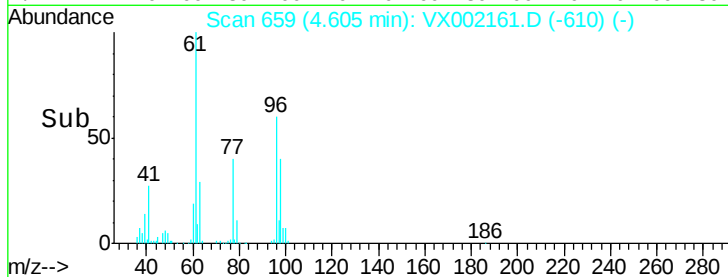
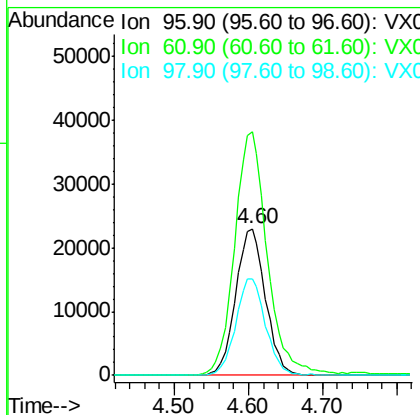
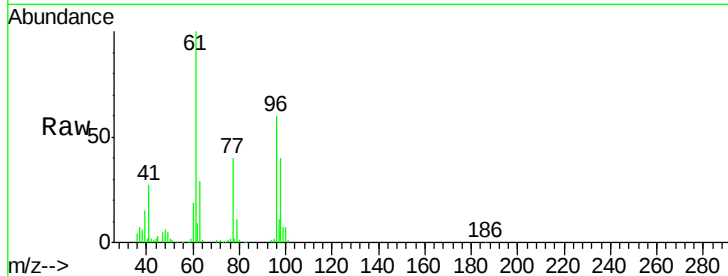
cis-1,2-Dichloroethene
Concen: 19.19 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBSD03

Tot Ion	Ratio	Lower	Upper
96	100		
61	182.6	0.0	348.4
98	65.8	0.0	128.6

Manual Integrations
APPROVED

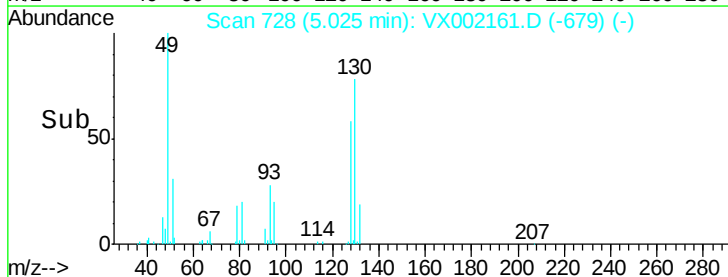
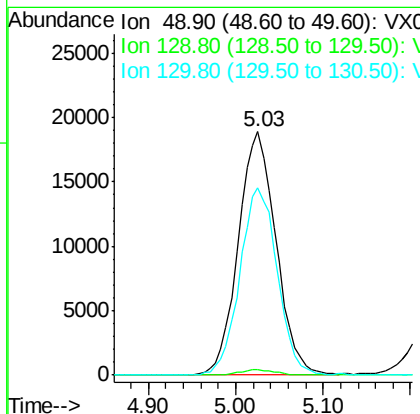
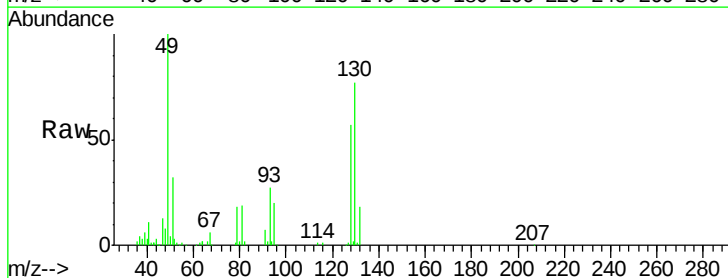
MMDadoda
5/31/2018 3:07:50 PM



#28

Bromochloromethane
Concen: 24.80 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	76.3	59.4	89.2





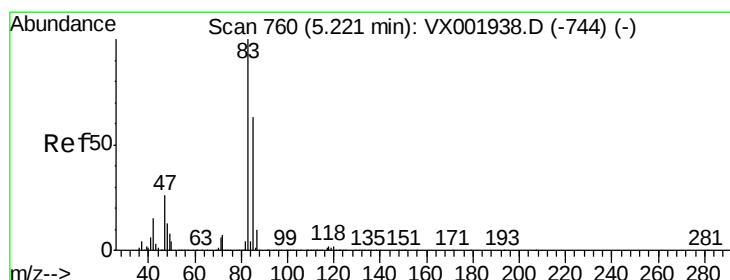
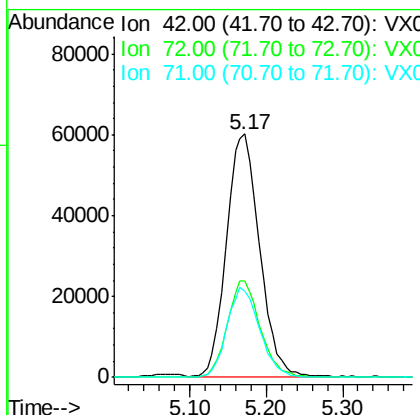
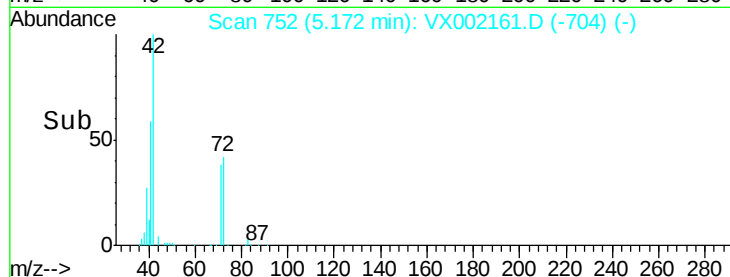
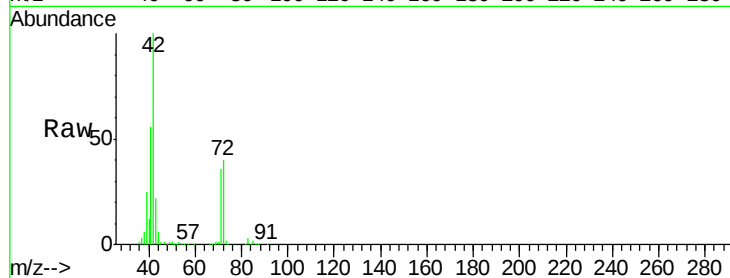
#29
Tetrahydrofuran
Concen: 98.71 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBSD03

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.4	47.0
71	36.6	29.5	44.3

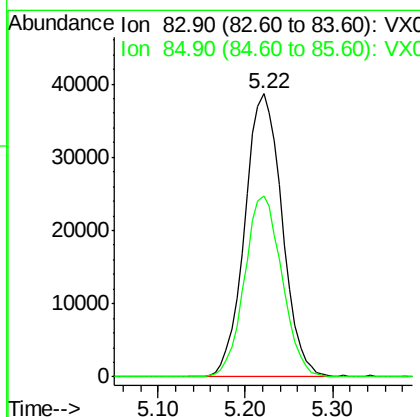
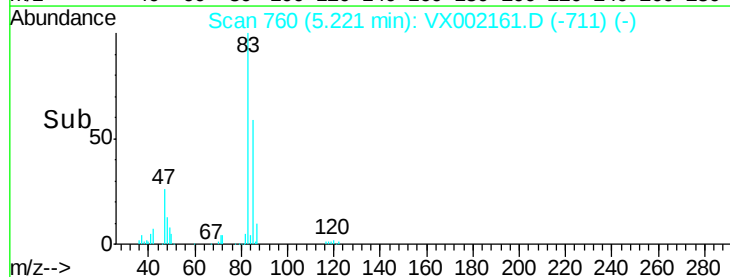
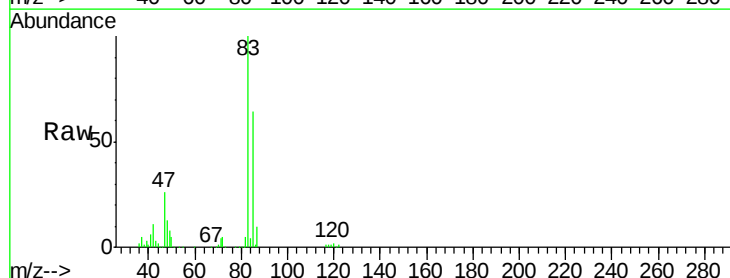
Manual Integrations
APPROVED

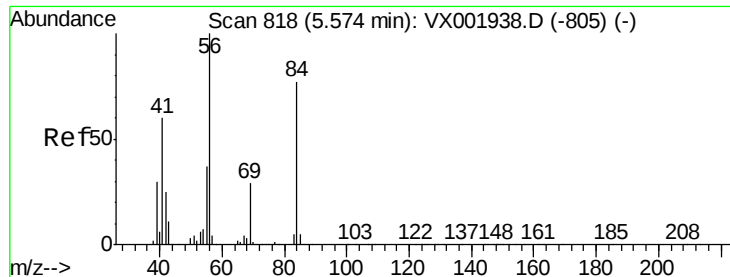
MMDadoda
5/31/2018 3:07:50 PM



#30
Chloroform
Concen: 19.57 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3





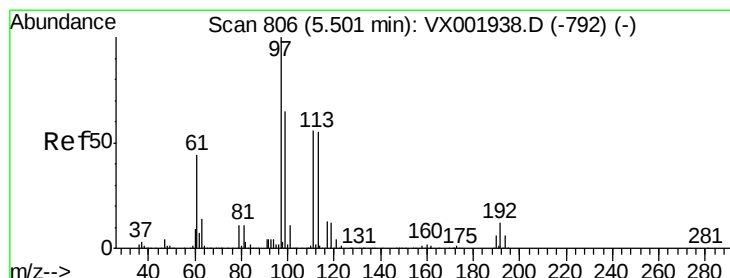
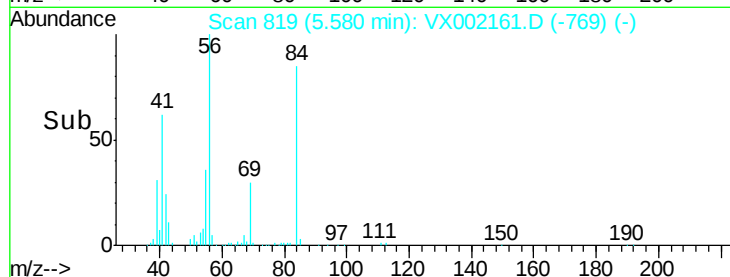
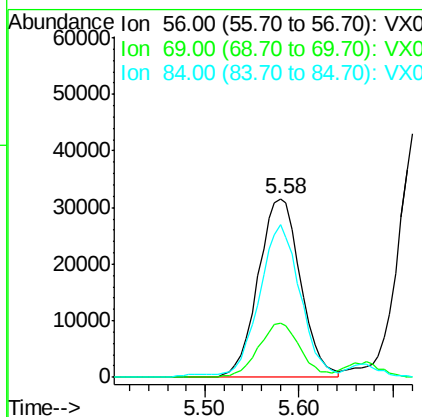
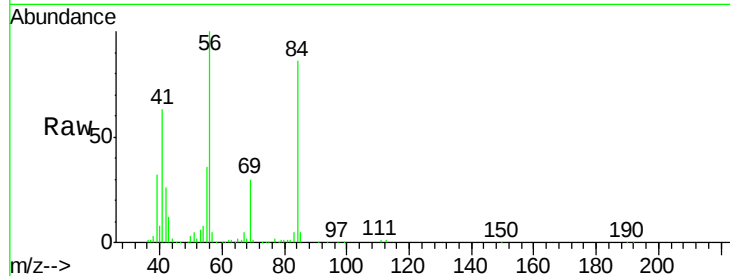
#31
Cyclohexane
Concen: 18.28 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBSD03

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.1	34.7
84	84.3	62.0	93.0

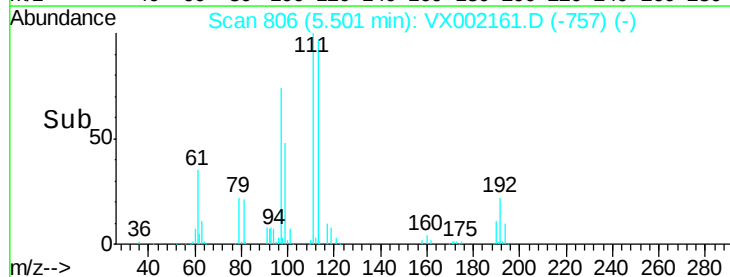
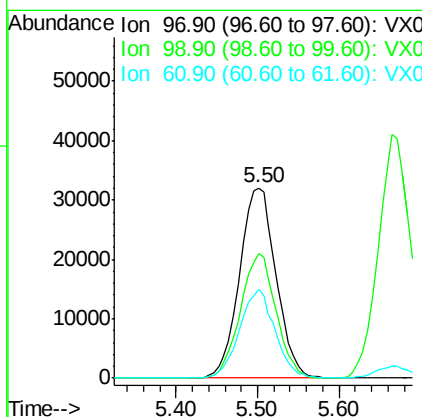
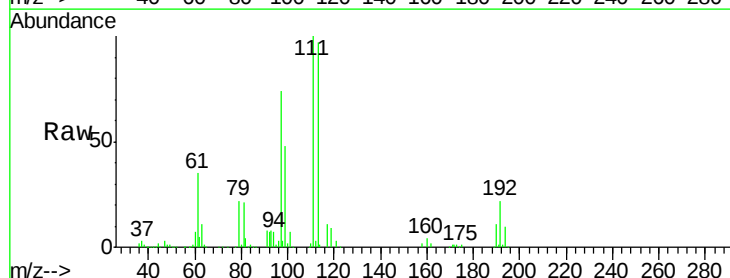
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 18.14 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.9	77.9
61	45.5	35.9	53.9





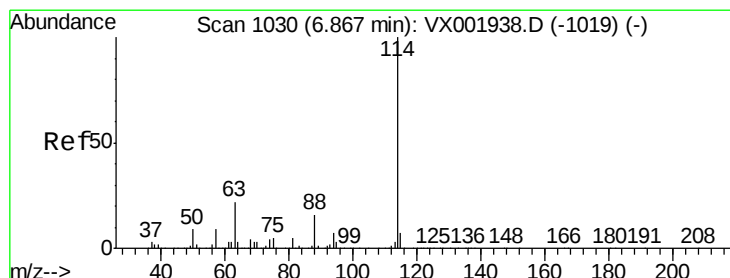
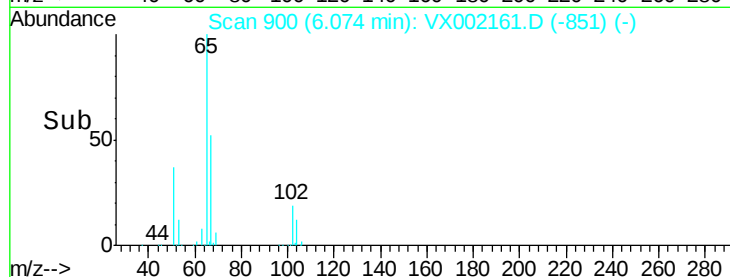
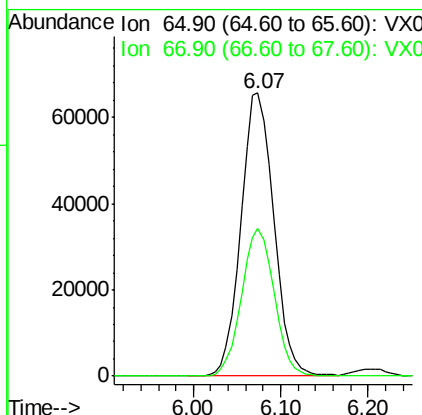
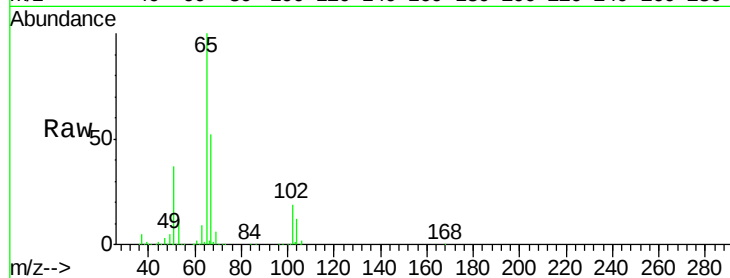
#33
 1,2-Dichloroethane-d4
 Concen: 43.62 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002161.D
 Acq: 31 May 2018 03:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBSD03

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.0

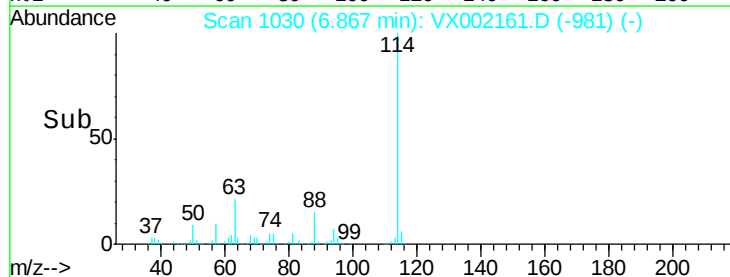
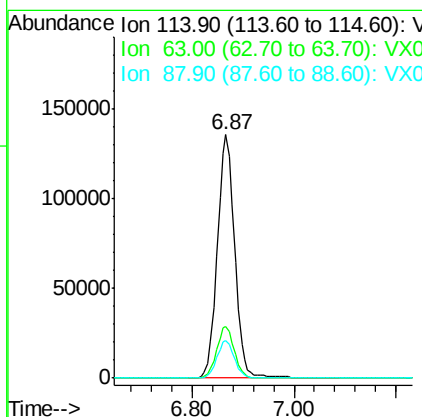
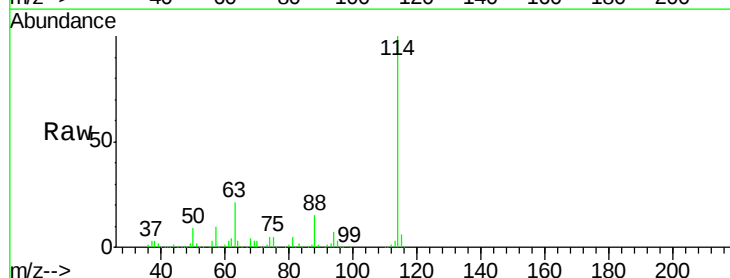
Manual Integrations
 APPROVED

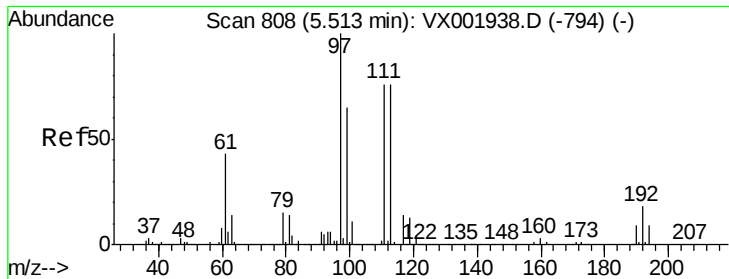
MMDadoda
 5/31/2018 3:07:50 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002161.D
 Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.2
88	15.5	0.0	31.6





#35

Dibromofluoromethane

Concen: 40.29 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Instrument :

MSVOA_X

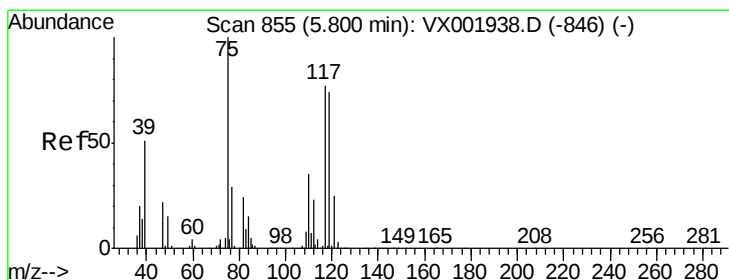
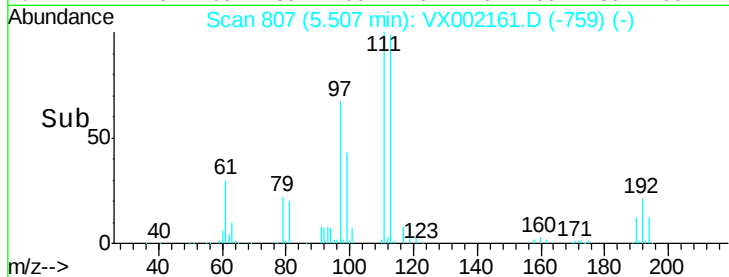
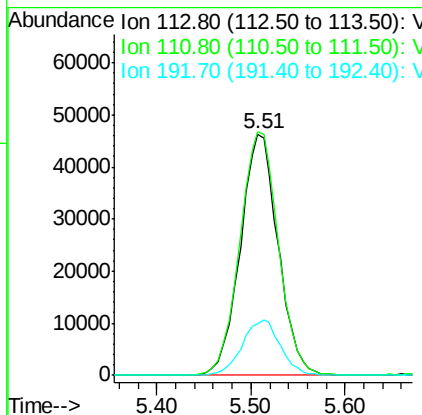
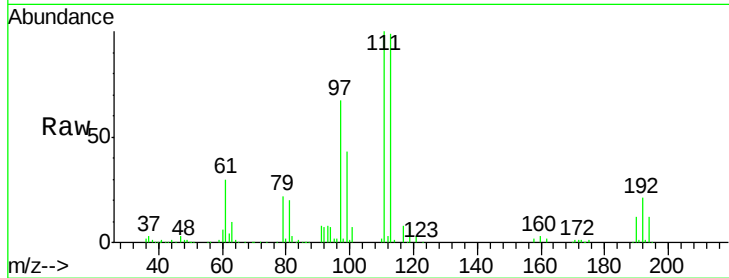
ClientSampleId :

VX0530WBSD03

Tot Ion:	113	Resp:	129709
Ion Ratio	Lower	Upper	
113	100		
111	103.3	82.0	123.0
192	23.4	18.9	28.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 17.73 ug/l

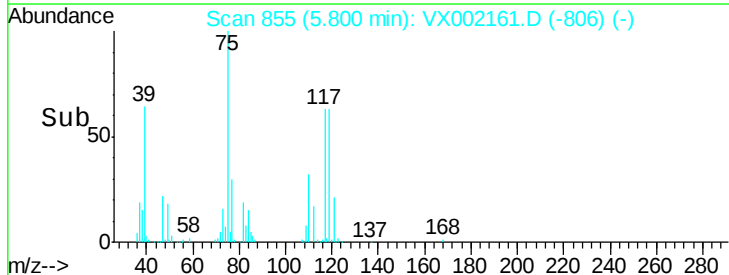
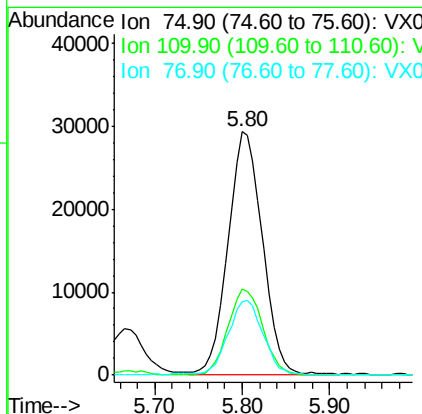
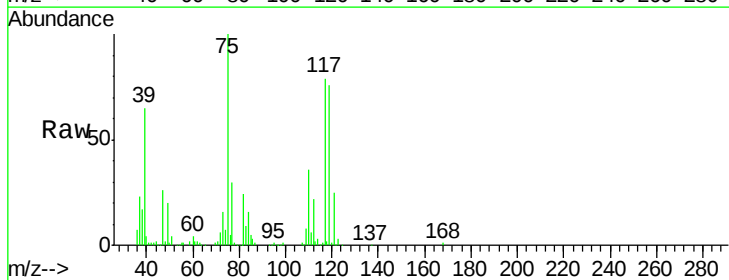
RT: 5.80 min Scan# 855

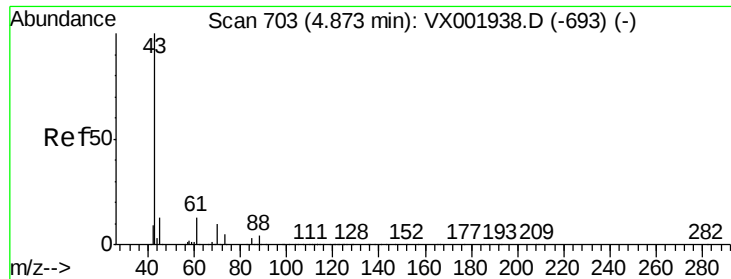
Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Tgt Ion:	75	Resp:	79399
Ion Ratio	Lower	Upper	
75	100		
110	36.2	17.4	52.2
77	31.5	24.4	36.6





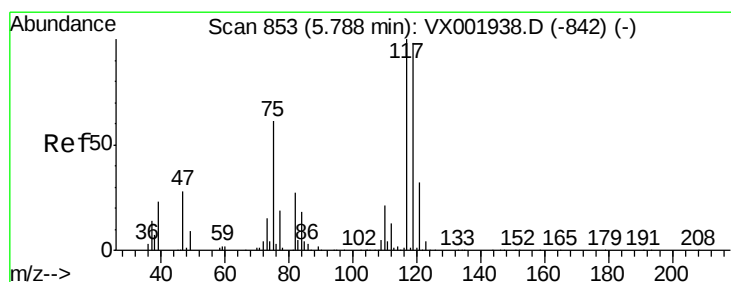
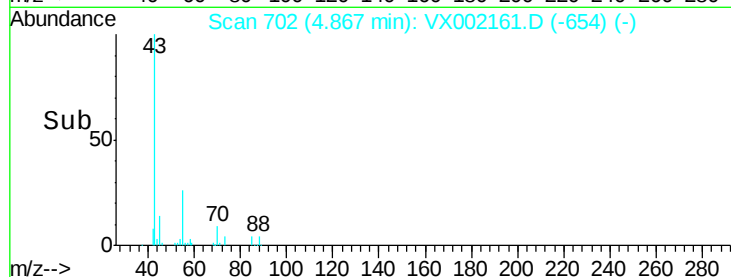
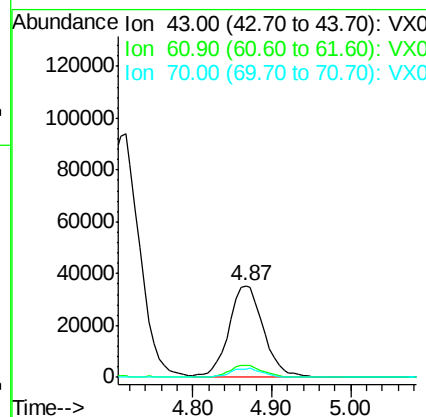
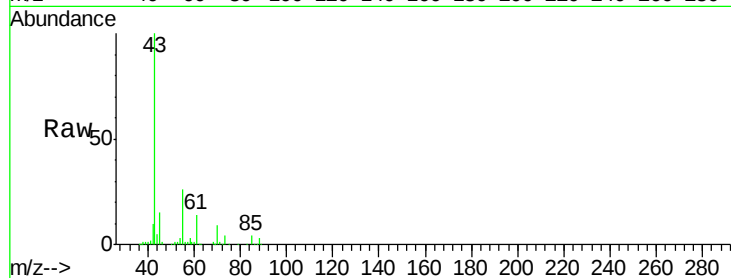
#37
Ethyl Acetate
Concen: 18.06 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.2
70	9.5	7.8	11.8

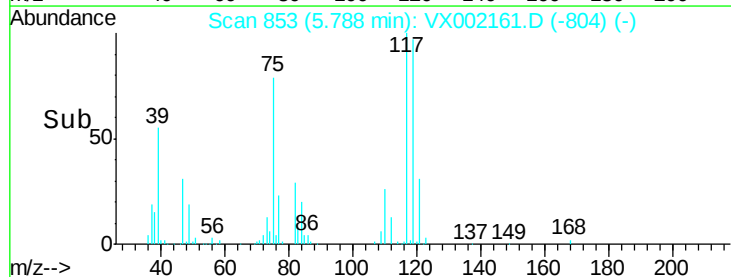
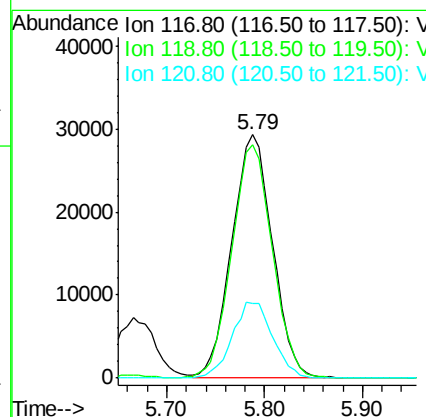
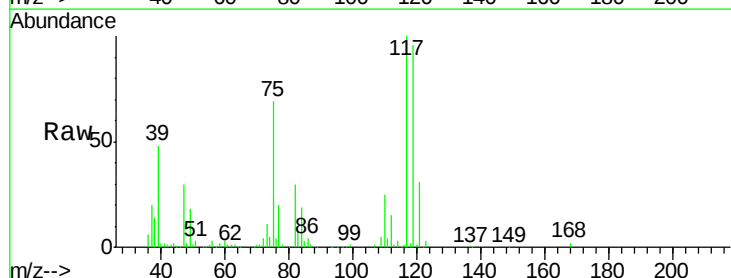
Manual Integrations
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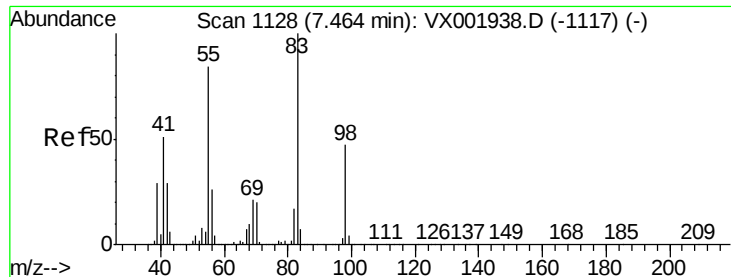
MMDadoda
5/31/2018 3:07:50 PM



#38
Carbon Tetrachloride
Concen: 16.19 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.5	117.7
121	30.6	25.5	38.3





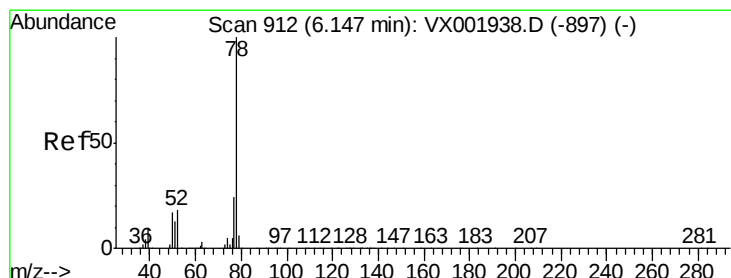
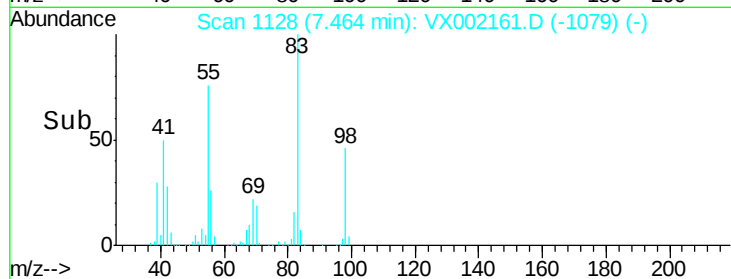
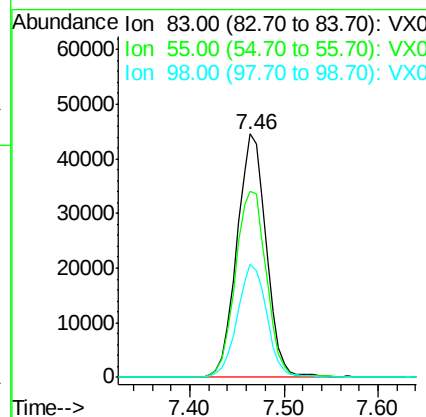
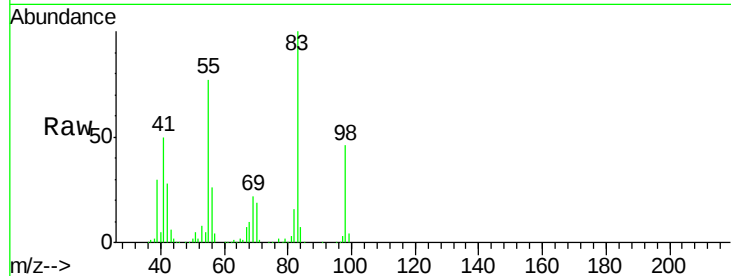
#39
Methvlcvclohexane
Concen: 17.55 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBSD03

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	67.3	100.9
98	46.3	37.5	56.3

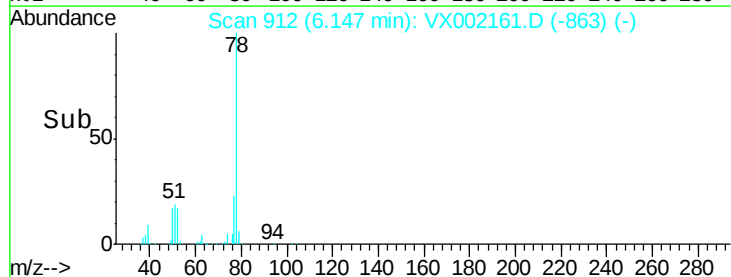
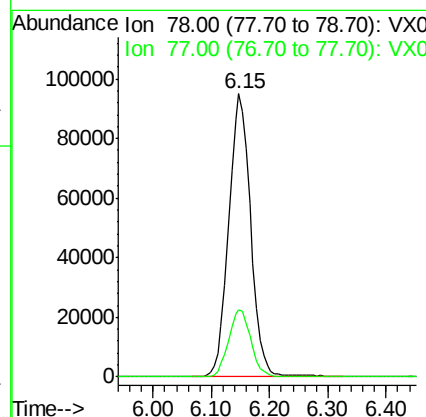
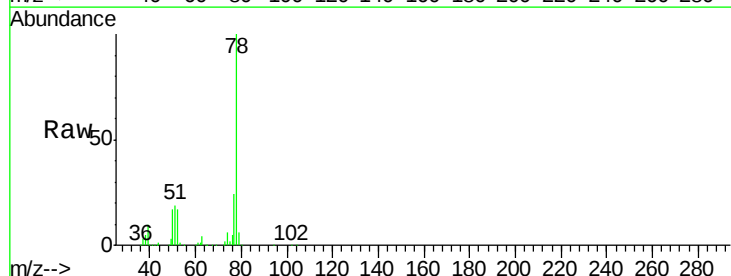
Manual Integrations
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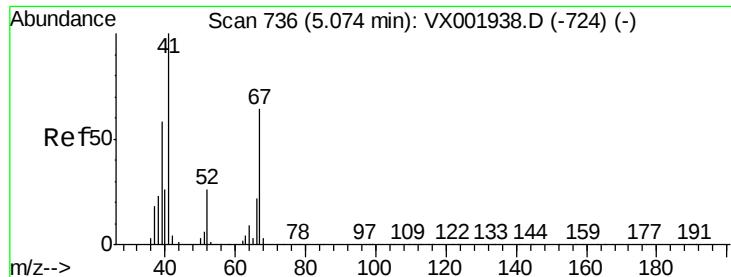
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5/31/2018 3:07:50 PM



#40
Benzene
Concen: 19.01 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





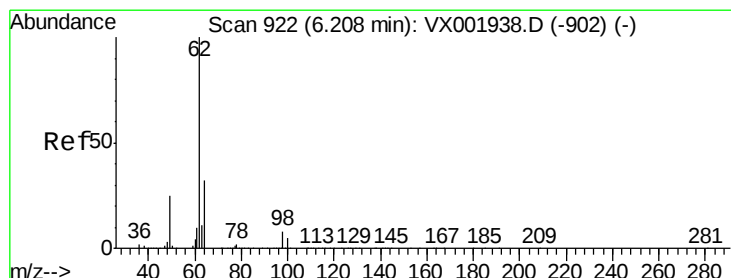
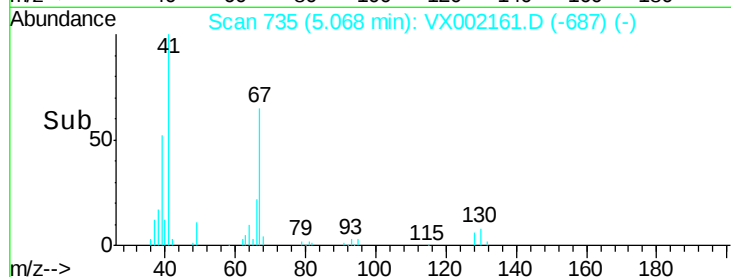
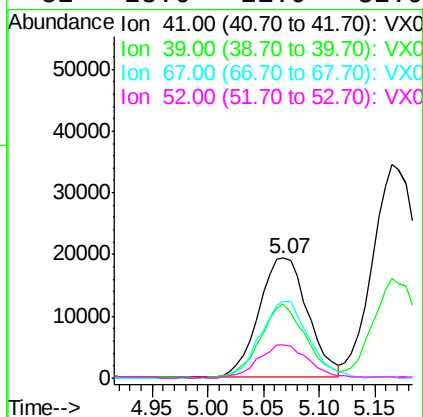
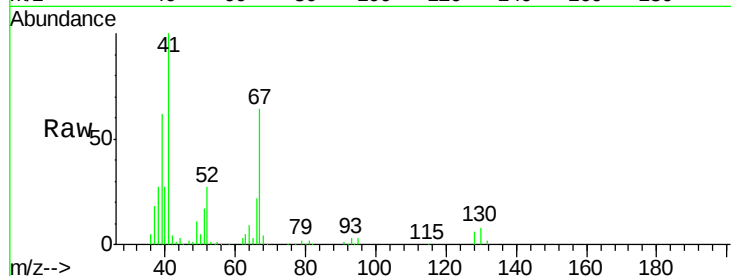
#41
Methacrylonitrile
Concen: 18.41 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBSD03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		59364		
39	56.8	46.0	69.0		
67	63.5	50.6	75.8		
52	28.6	21.9	32.9		

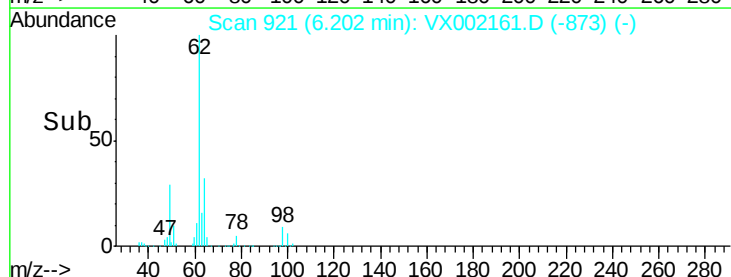
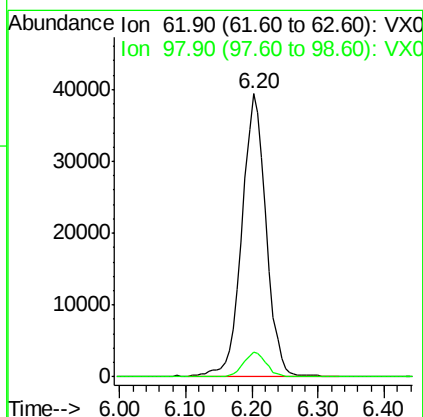
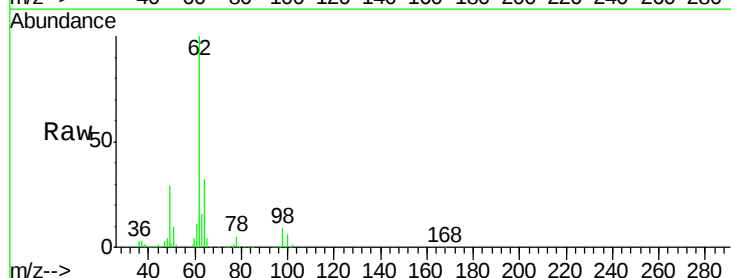
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 19.21 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		100652		
98	8.3	0.0	17.0		





#43

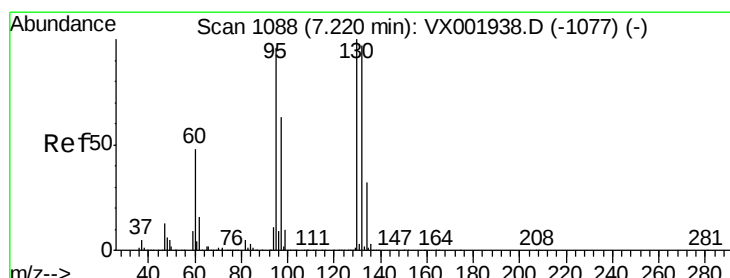
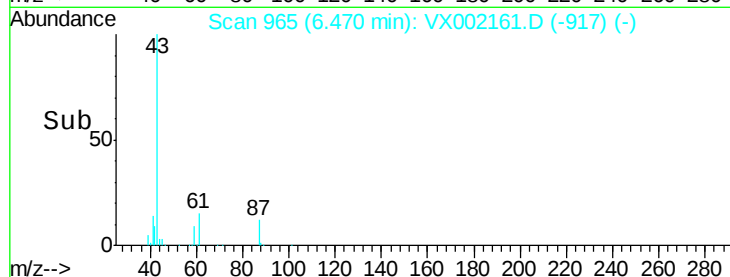
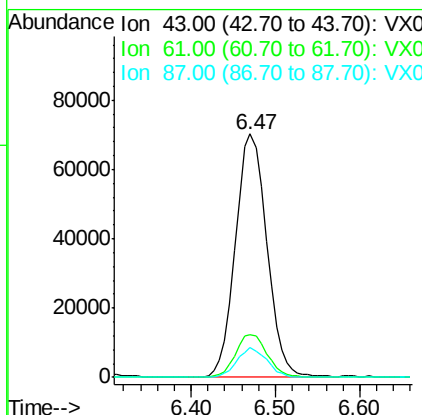
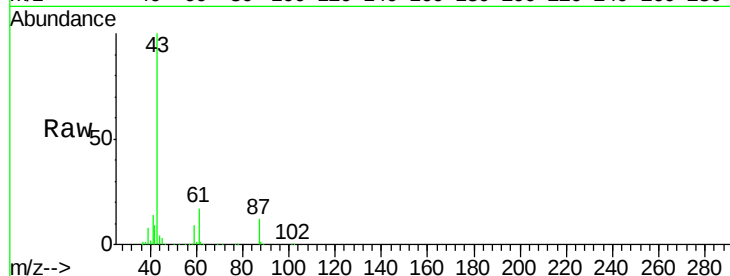
Isopropyl Acetate
 Concen: 18.15 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX002161.D
 Acq: 31 May 2018 03:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.5	21.7
87	11.7	9.5	14.3

Manual Integrations
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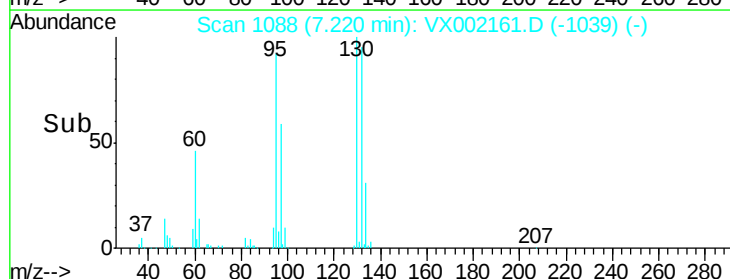
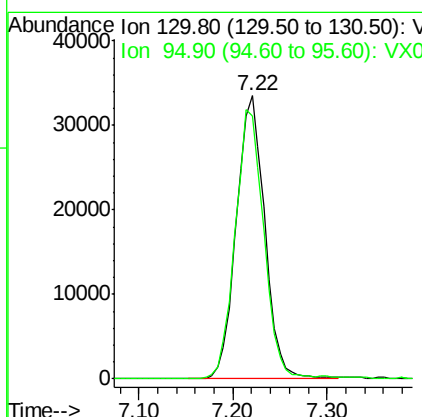
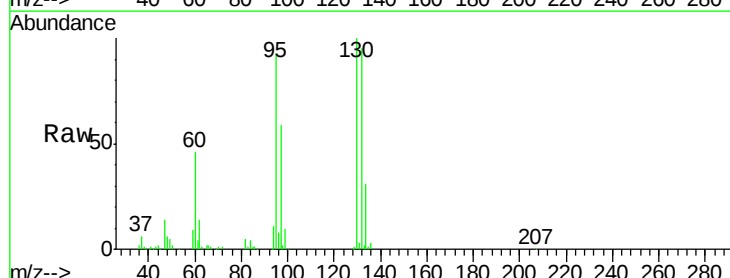
MMDadoda
 5/31/2018 3:07:50 PM



#44

Trichloroethene
 Concen: 18.48 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX002161.D
 Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	192.0





#45

1,2-Dichloropropane

Concen: 19.08 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBSD03

Tot Ion: 63 Resp: 67959

Ion Ratio Lower Upper

63 100

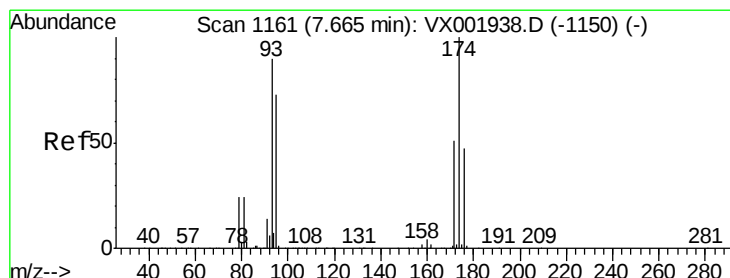
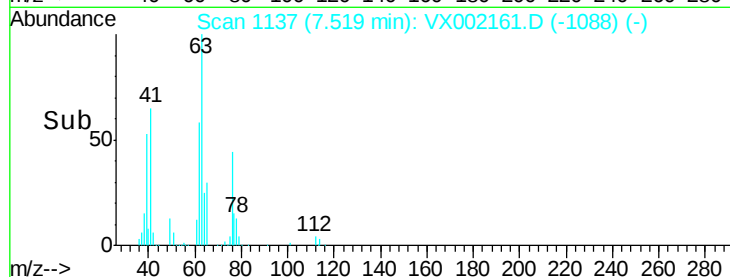
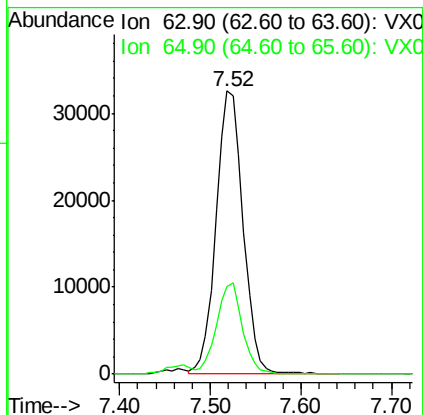
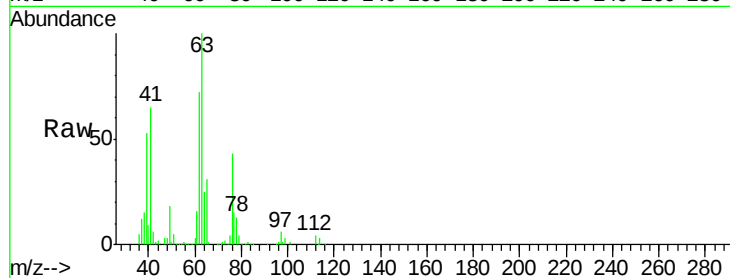
65 30.9 24.1 36.1

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#46

Dibromomethane

Concen: 19.28 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

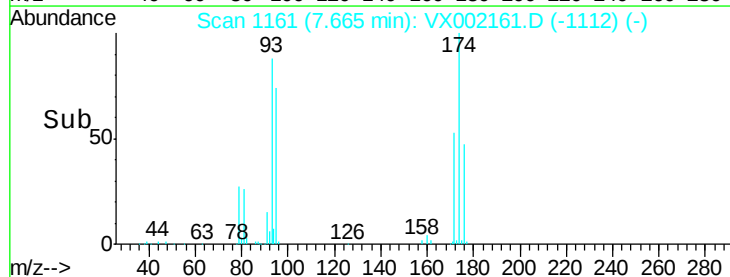
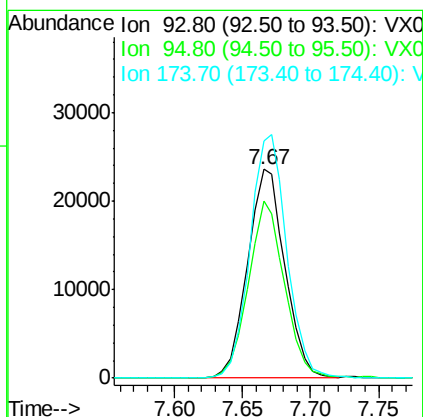
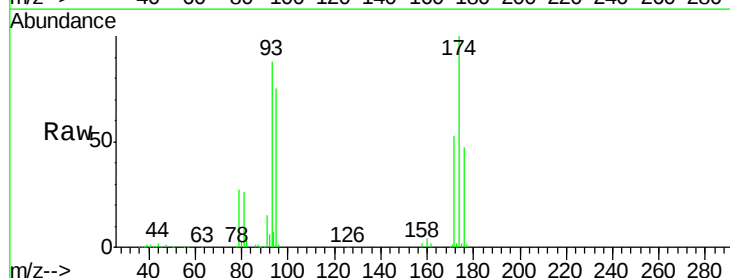
Tgt Ion: 93 Resp: 45486

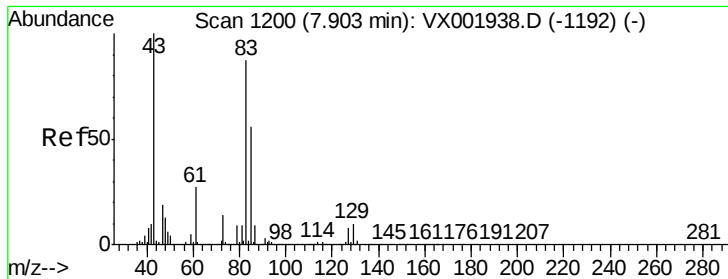
Ion Ratio Lower Upper

93 100

95 82.0 66.1 99.1

174 114.8 92.5 138.7





#47

Bromodichloromethane

Concen: 16.39 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Instrument :

MSVOA_X

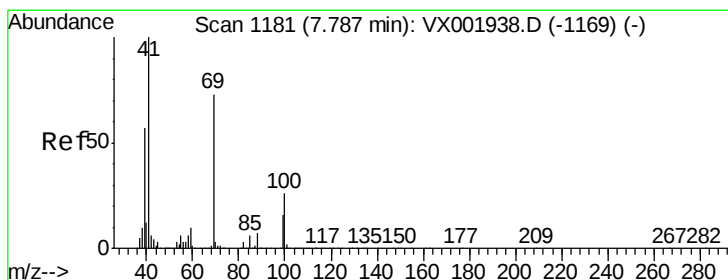
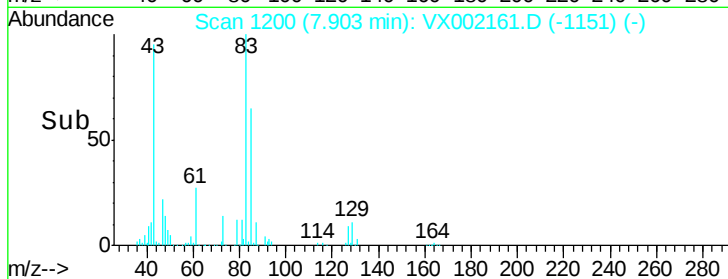
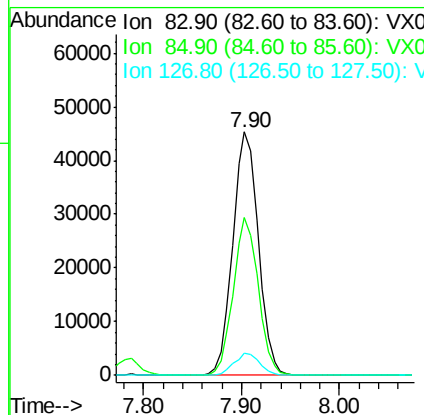
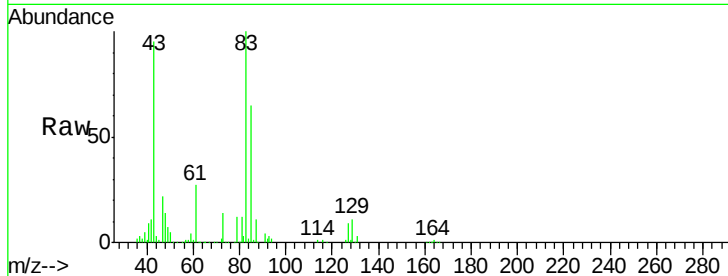
ClientSampleId :

VX0530WBSD03

Tot Ion:	83	Resp:	82432
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.4	77.2
127	9.3	7.1	10.7

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#48

Methyl methacrylate

Concen: 18.04 ug/l

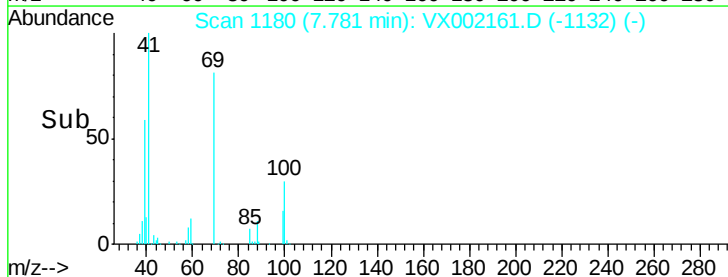
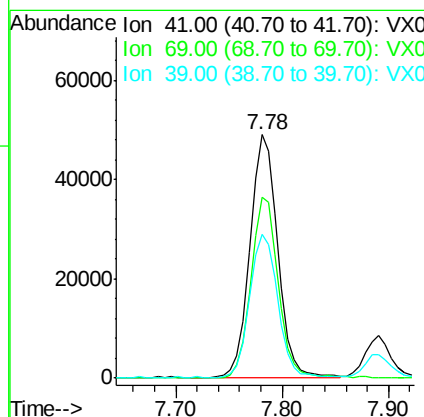
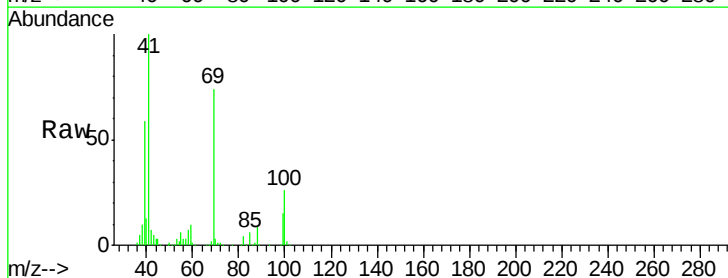
RT: 7.78 min Scan# 1180

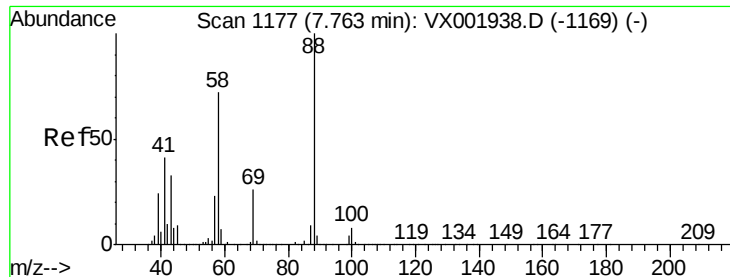
Delta R.T. -0.01 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Tgt Ion:	41	Resp:	89313
Ion Ratio	Lower	Upper	
41	100		
69	74.3	58.6	87.8
39	59.9	46.3	69.5





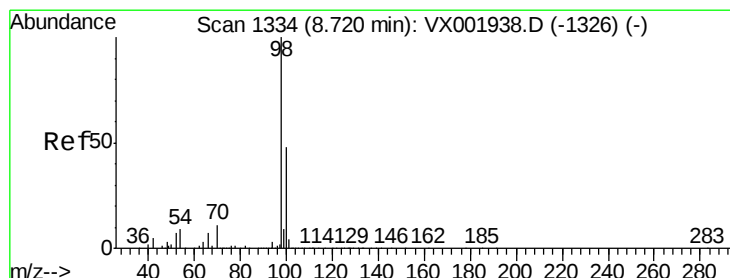
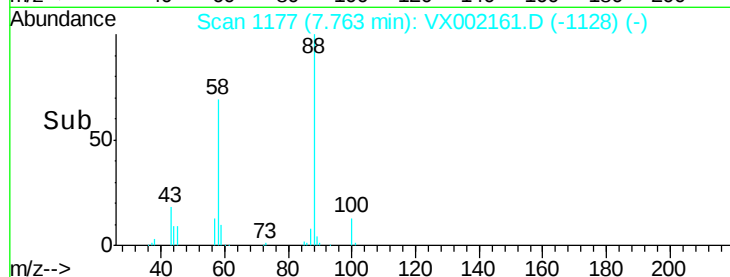
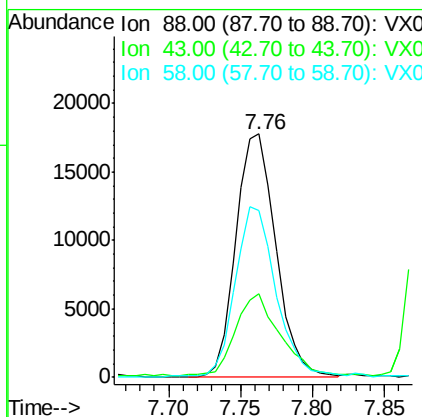
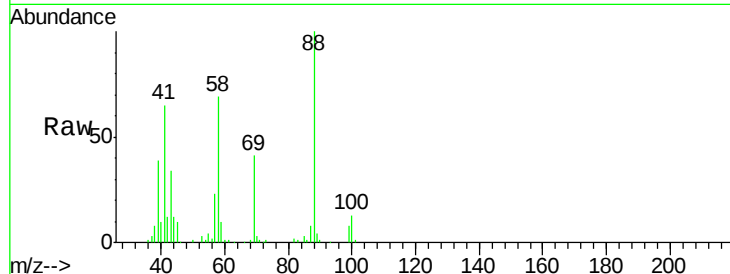
#49
1,4-Dioxane
Concen: 394.22 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBSD03

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	29.8	44.8
58	72.6	58.7	88.1

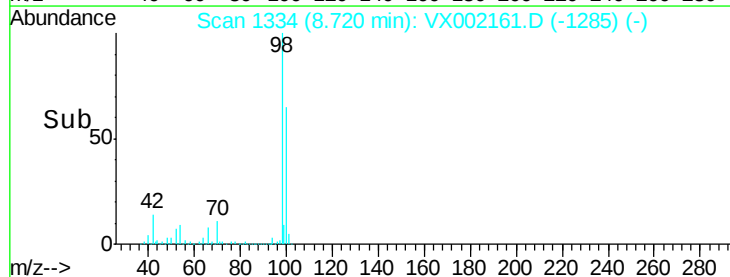
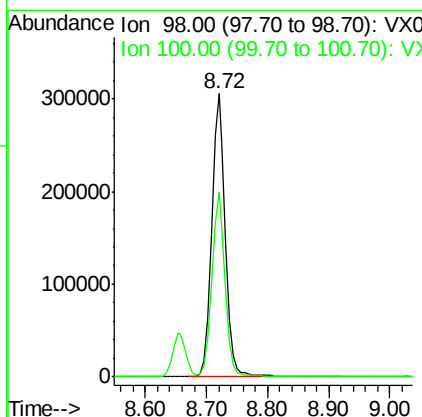
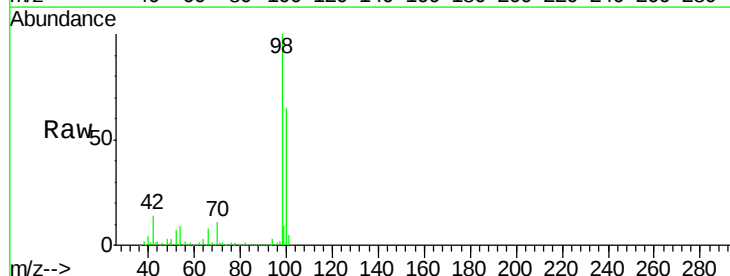
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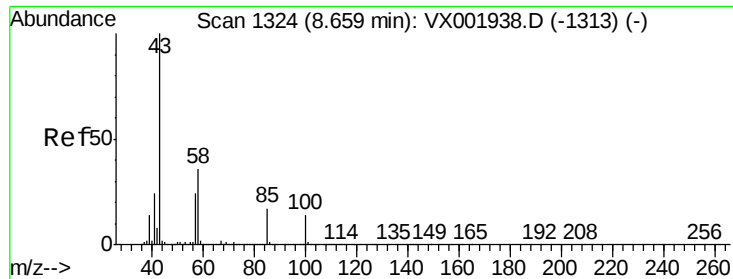
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#50
Toluene-d8
Concen: 41.43 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.5	77.3





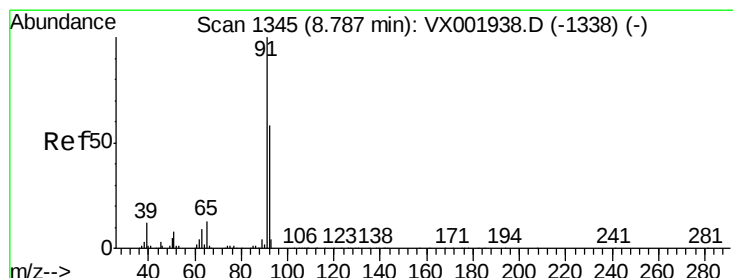
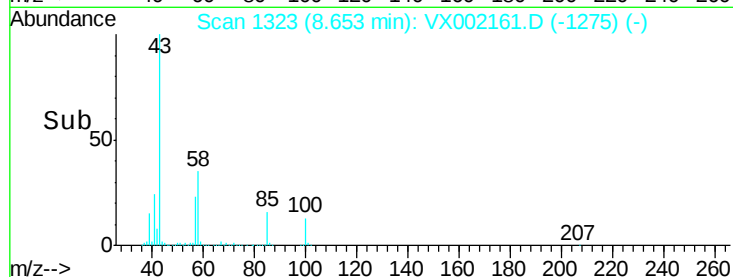
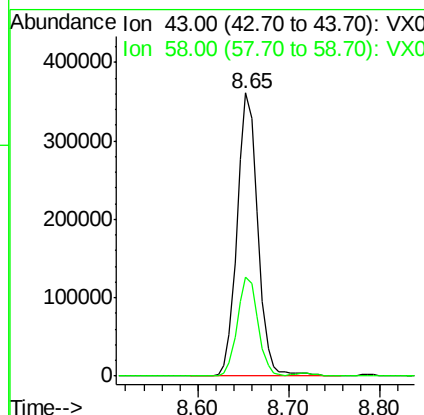
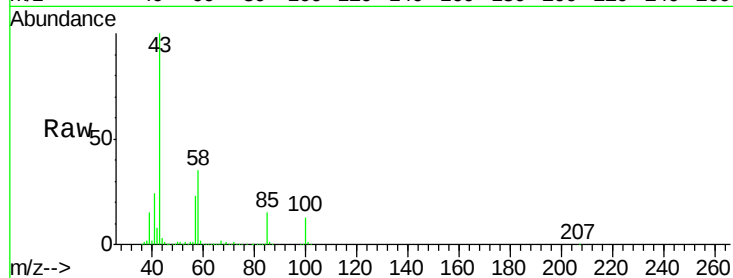
#51
 4-Methyl-2-Pentanone
 Concen: 97.64 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VX002161.D
 Acq: 31 May 2018 03:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBSD03

Tot Ion: 43 Resp: 572498
 Ion Ratio Lower Upper
 43 100
 58 34.8 28.5 42.7

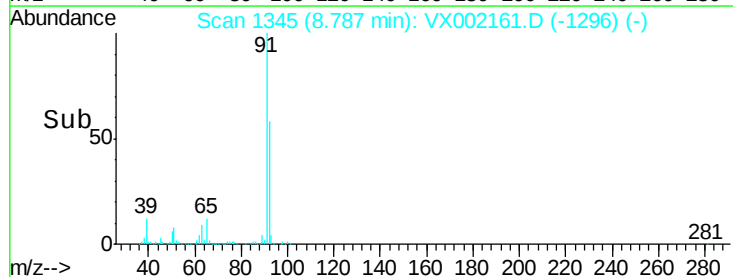
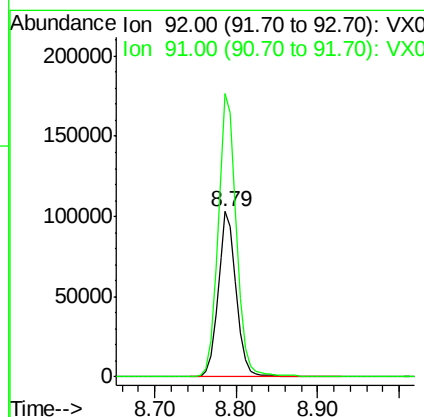
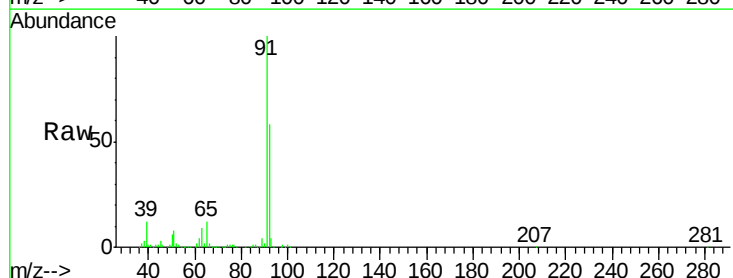
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#52
 Toluene
 Concen: 19.22 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VX002161.D
 Acq: 31 May 2018 03:03

Tgt Ion: 92 Resp: 160468
 Ion Ratio Lower Upper
 92 100
 91 174.0 139.4 209.2





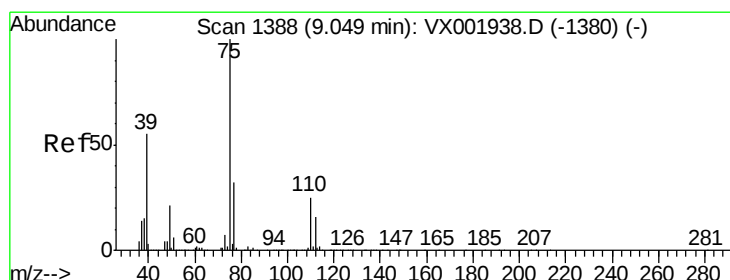
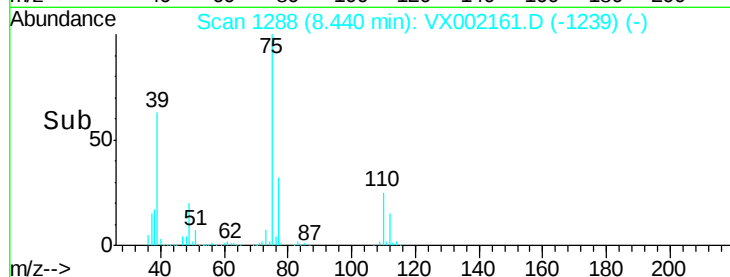
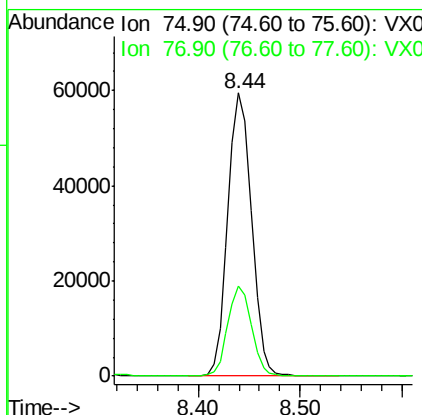
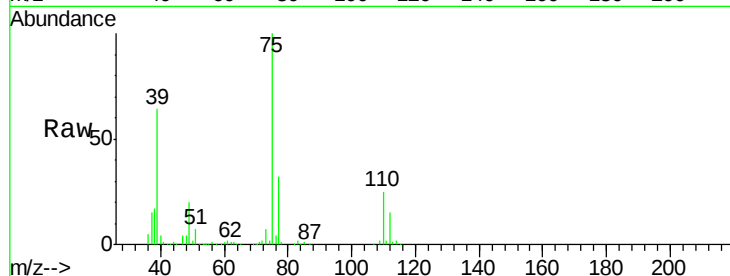
#53
t-1,3-Dichloropropene
Concen: 16.59 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBSD03

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3

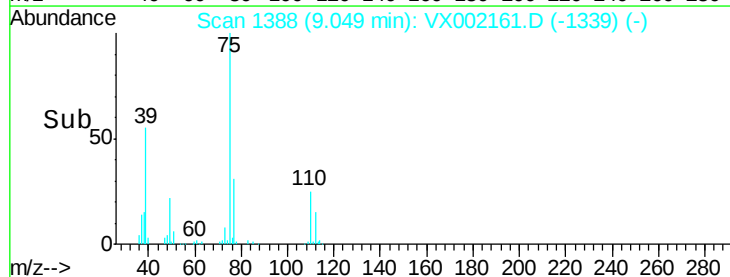
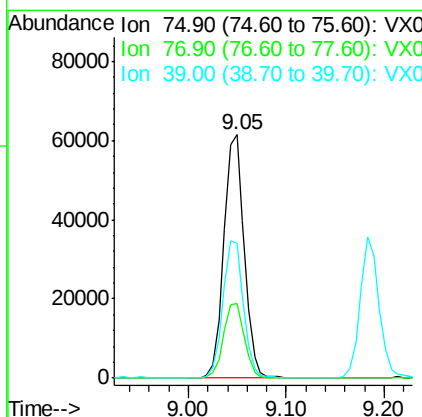
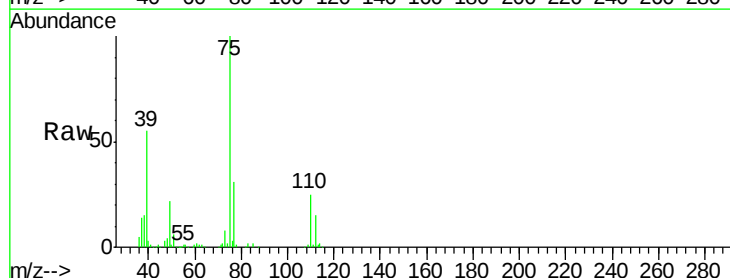
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 15.75 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	55.3	44.1	66.1





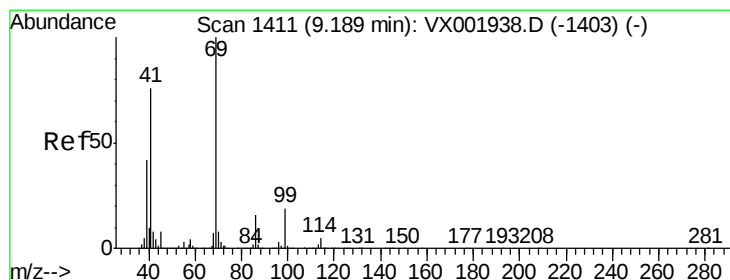
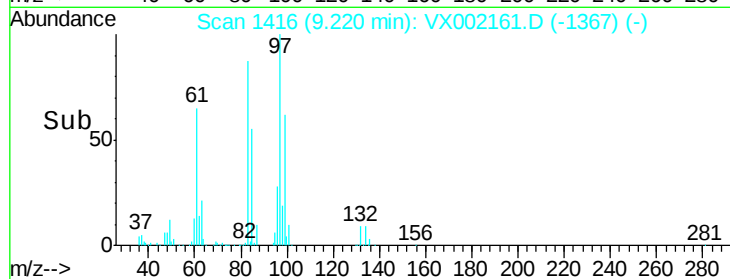
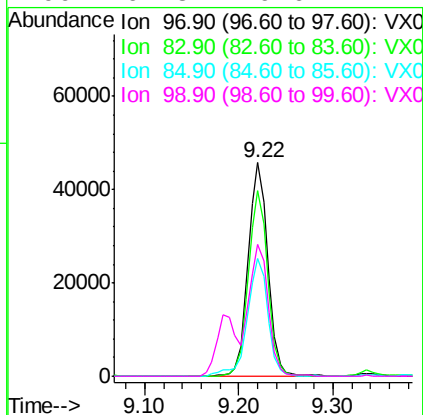
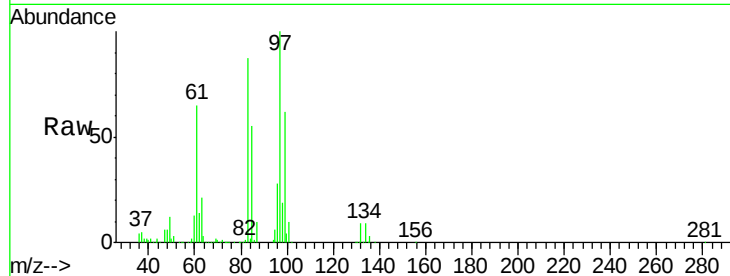
#55
 1,1,2-Trichloroethane
 Concen: 19.25 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002161.D
 Acq: 31 May 2018 03:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBSD03

Tot Ion:	97	Resp:	67128
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.1	103.7
85	54.9	45.2	67.8
99	61.8	49.6	74.4

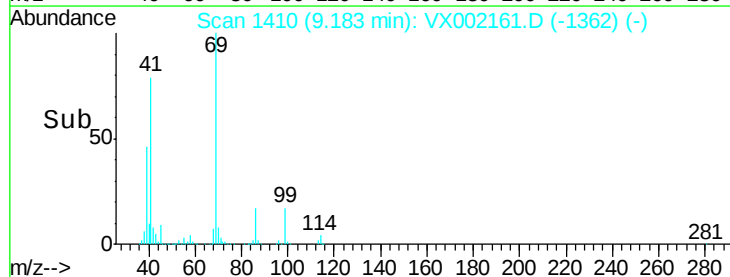
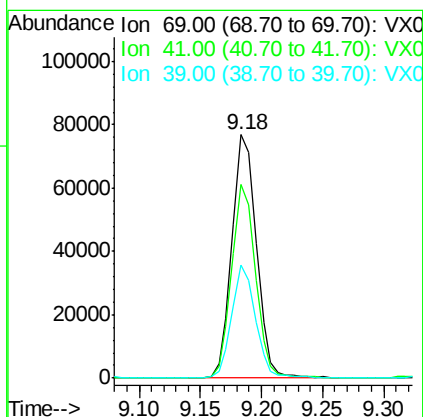
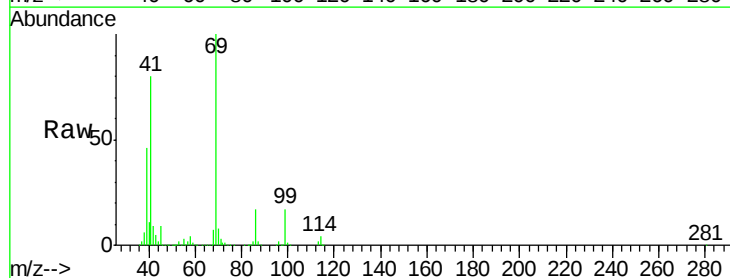
Manual Integrations
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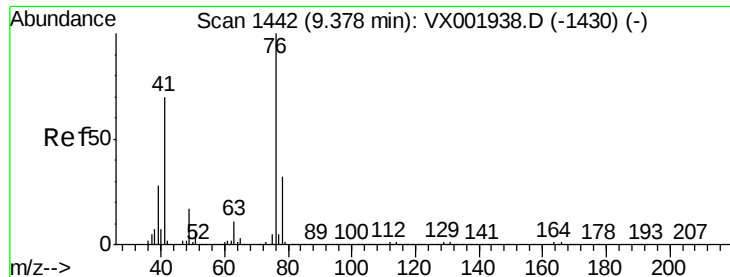
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#56
 Ethyl methacrylate
 Concen: 17.75 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX002161.D
 Acq: 31 May 2018 03:03

Tgt Ion:	69	Resp:	106491
Ion	Ratio	Lower	Upper
69	100		
41	77.5	61.0	91.6
39	44.6	34.4	51.6





#57

1,3-Dichloropropane

Concen: 19.74 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBSD03

Tot Ion: 76 Resp: 113387

Ion Ratio Lower Upper

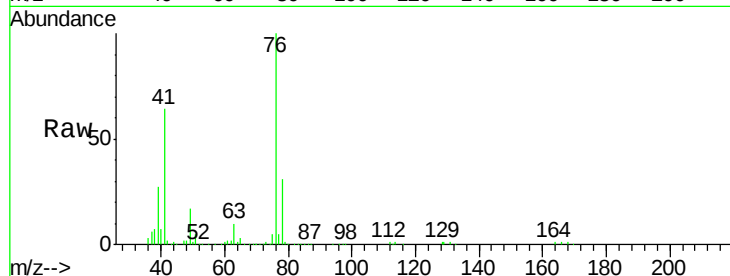
76 100

78 32.3 25.6 38.4

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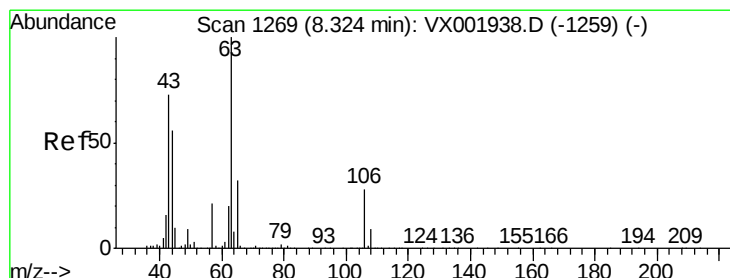
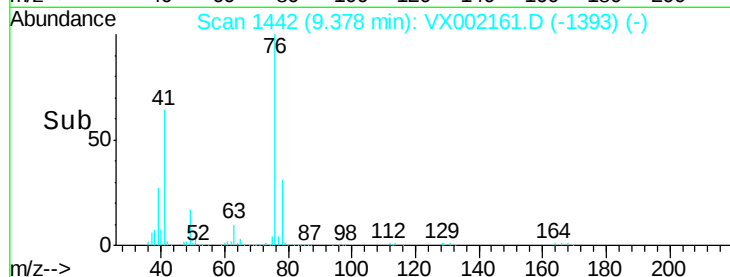
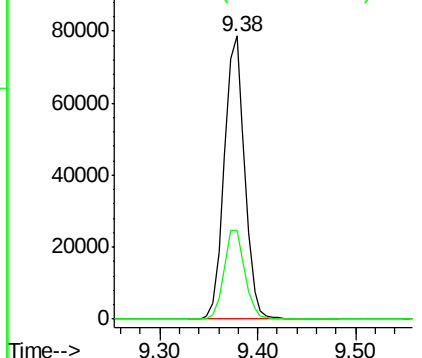
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 92.84 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002161.D

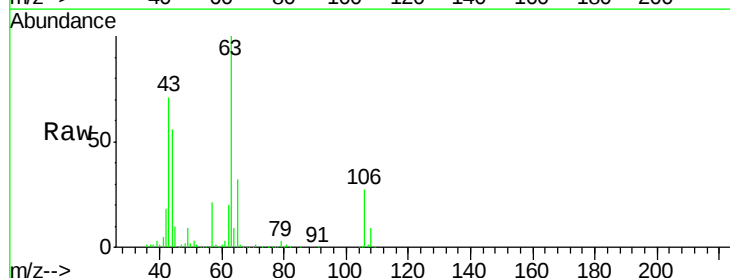
Acq: 31 May 2018 03:03

Tgt Ion: 63 Resp: 246844

Ion Ratio Lower Upper

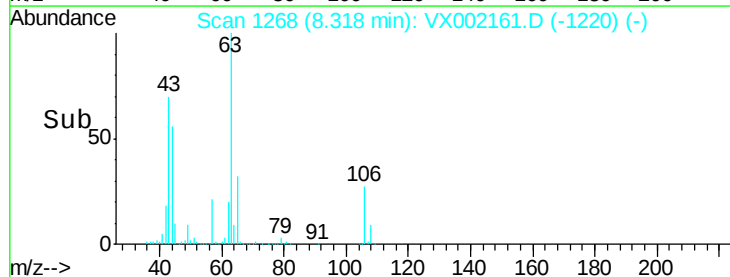
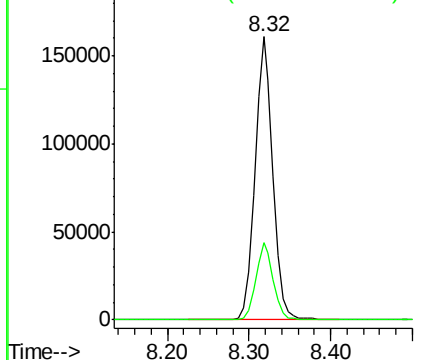
63 100

106 26.8 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





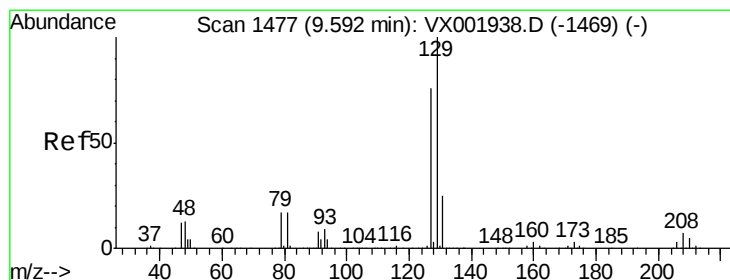
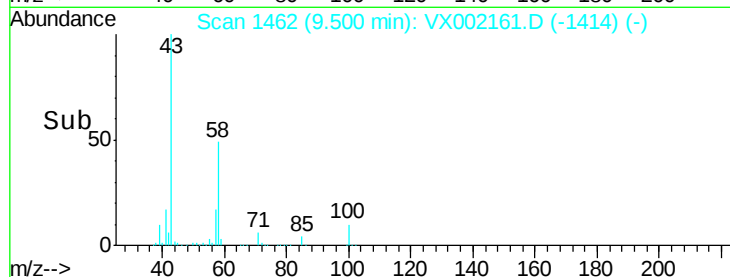
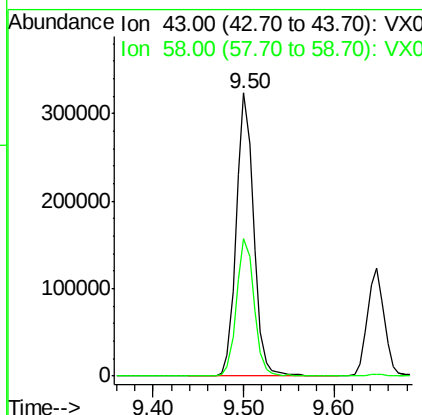
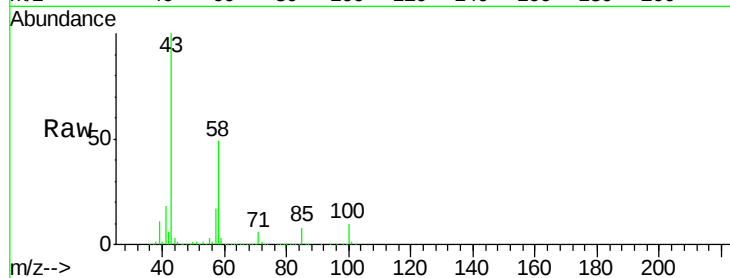
#59
2-Hexanone
Concen: 95.13 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.7	24.9	74.6

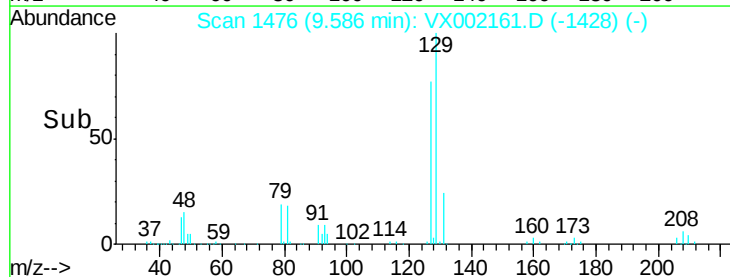
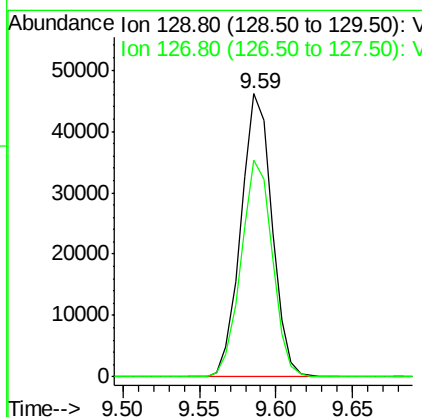
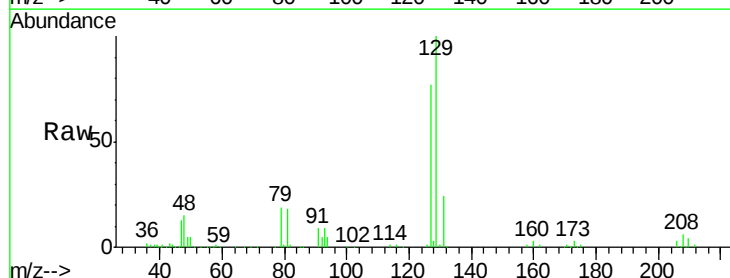
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#60
Dibromochloromethane
Concen: 15.75 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.3	114.9





#61

1,2-Dibromoethane

Concen: 18.94 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBSD03

Tot Ion:107 Resp: 69297

Ion Ratio Lower Upper

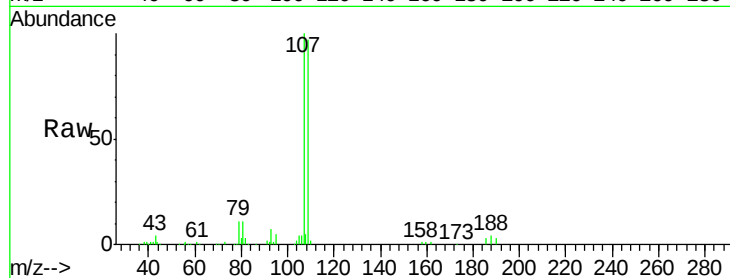
107 100

109 95.8 75.3 112.9

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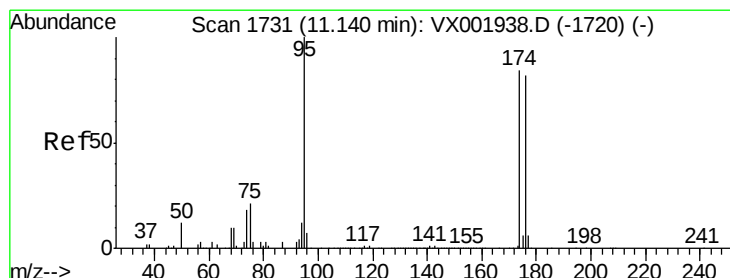
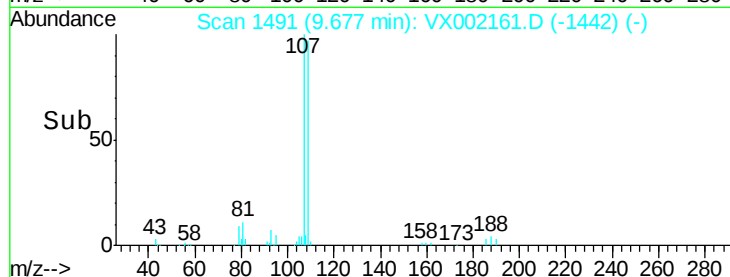
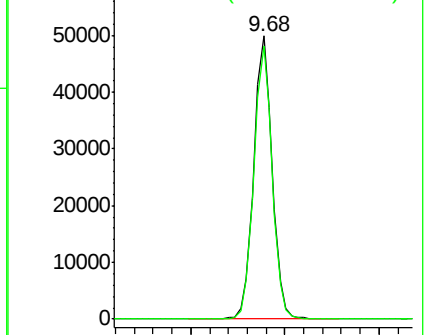
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 40.49 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

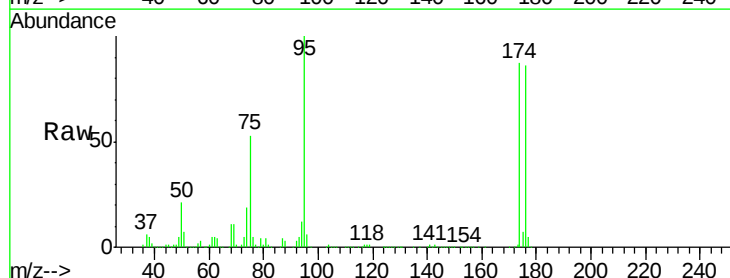
Tgt Ion: 95 Resp: 184643

Ion Ratio Lower Upper

95 100

174 92.0 0.0 178.8

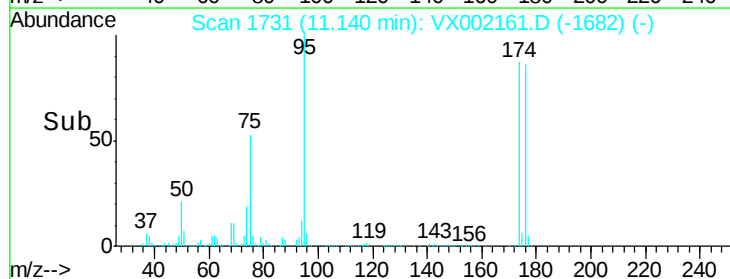
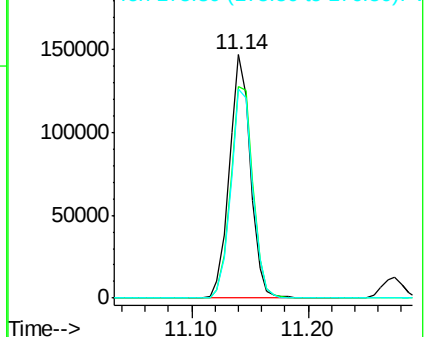
176 89.3 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





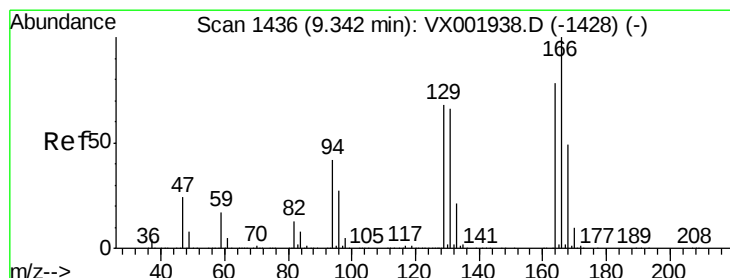
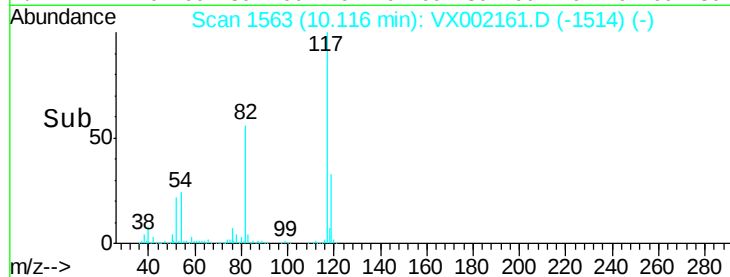
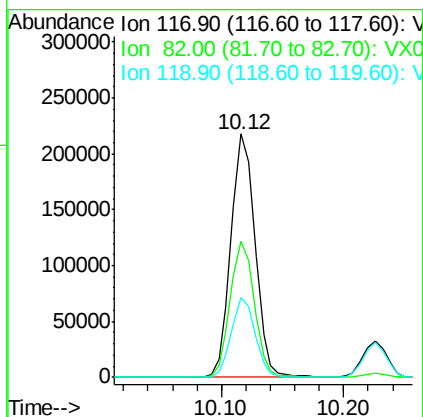
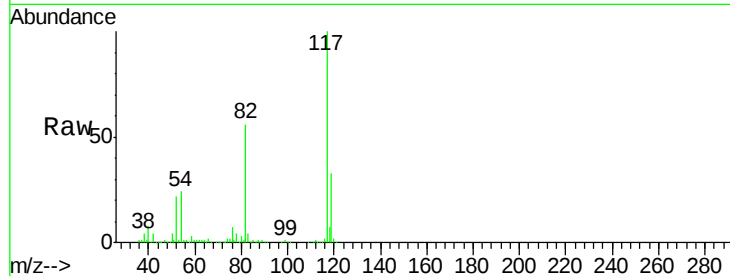
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	297552		
82	55.7	44.8	67.2	
119	32.5	25.5	38.3	

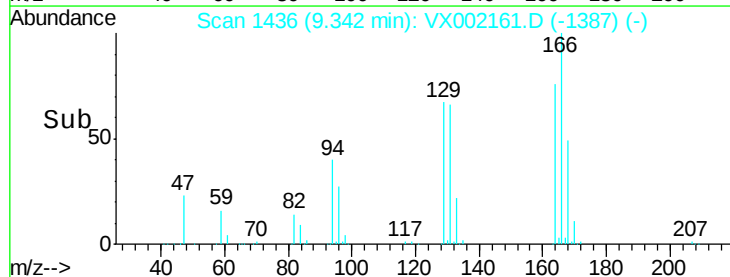
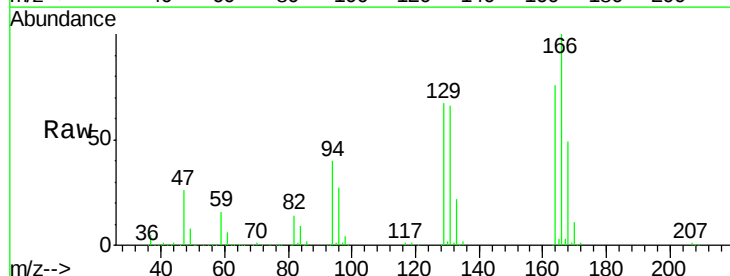
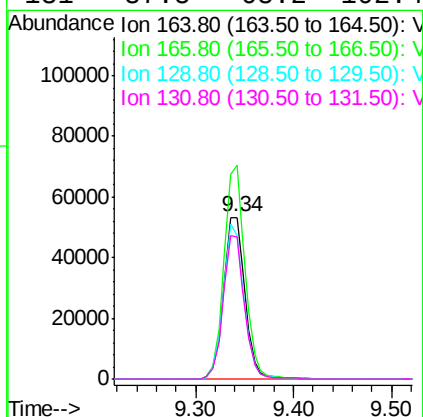
Manual Integrations
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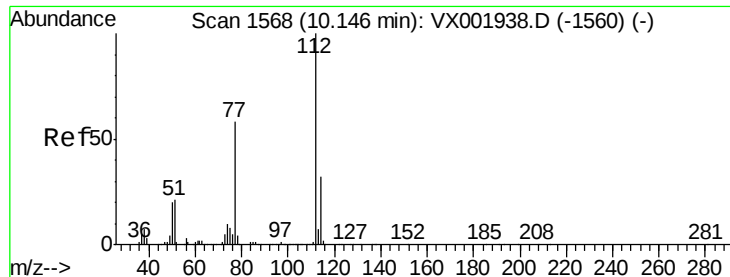
MMDadoda
5/31/2018 3:07:50 PM



#64
Tetrachloroethene
Concen: 18.96 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	80901		
166	132.1	102.7	154.1	
129	88.8	70.3	105.5	
131	87.5	68.2	102.4	





#65

Chlorobenzene

Concen: 19.14 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBSD03

Tot Ion:112 Resp: 180415

Ion Ratio Lower Upper

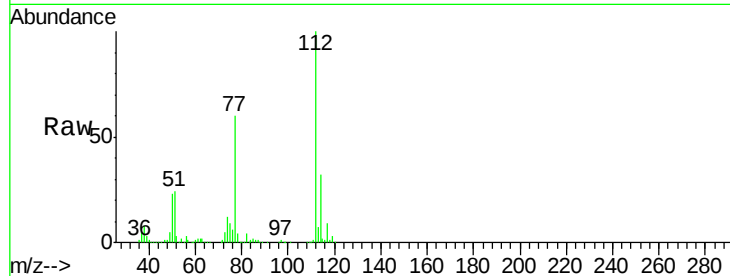
112 100

114 32.3 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

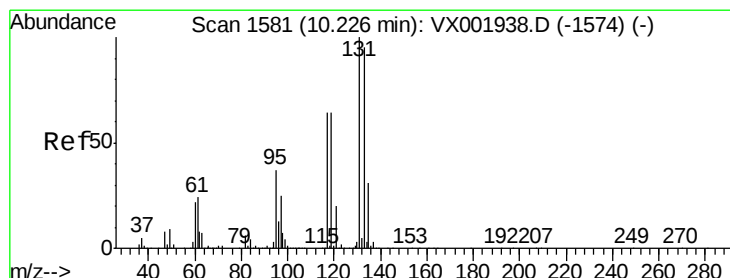
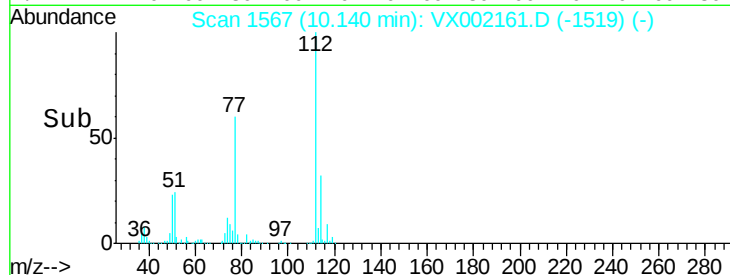
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 17.02 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

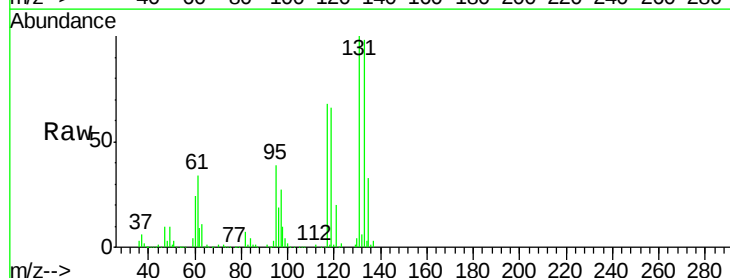
Tgt Ion:131 Resp: 64800

Ion Ratio Lower Upper

131 100

133 96.6 48.0 144.0

119 64.6 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

50000

40000

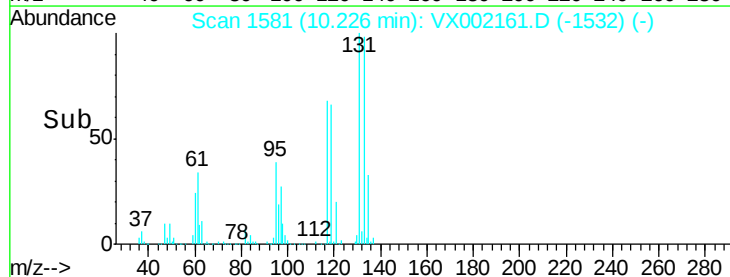
30000

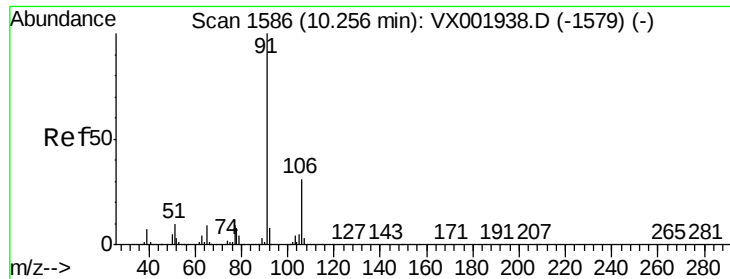
20000

10000

0

Time-->





#67

Ethyl Benzene

Concen: 18.74 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBSD03

Tot Ion: 91 Resp: 307017

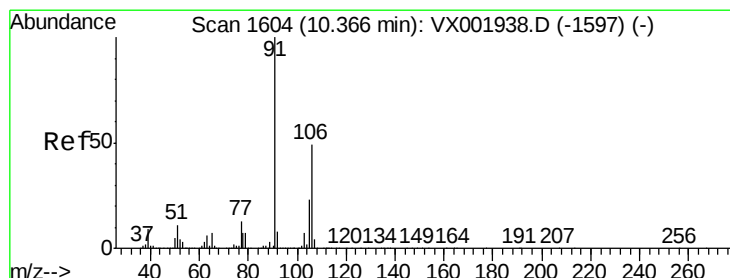
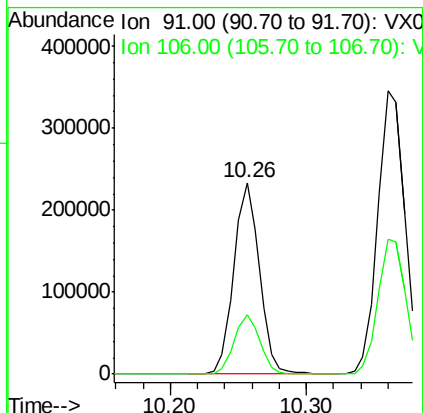
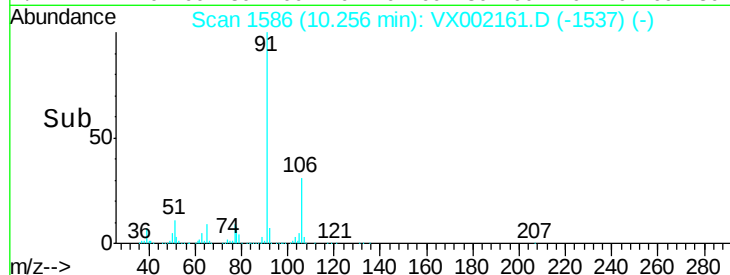
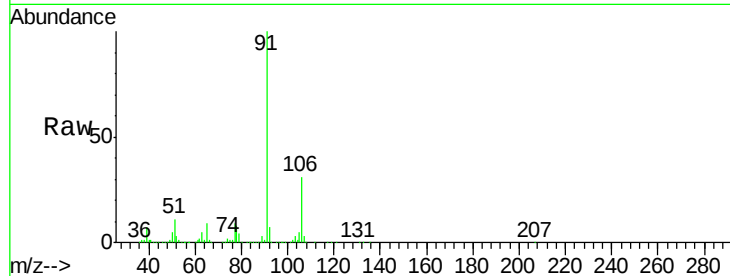
Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 37.62 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002161.D

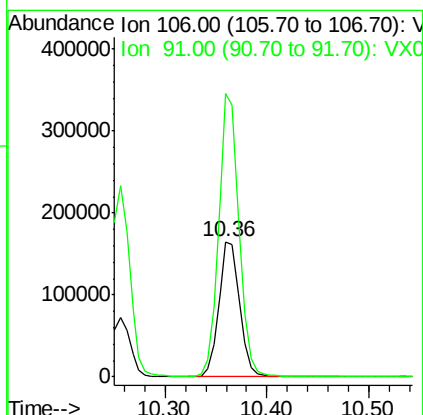
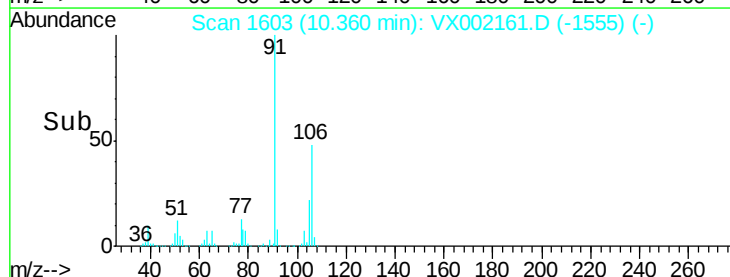
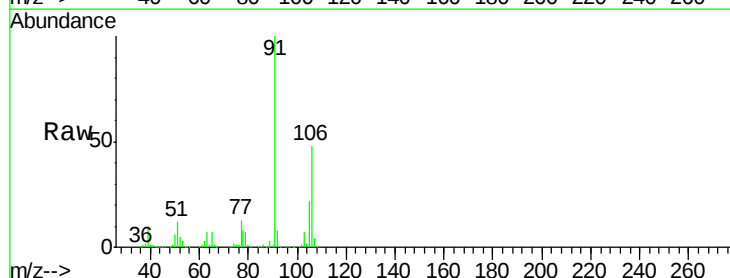
Acq: 31 May 2018 03:03

Tgt Ion: 106 Resp: 235525

Ion Ratio Lower Upper

106 100

91 206.1 165.0 247.6





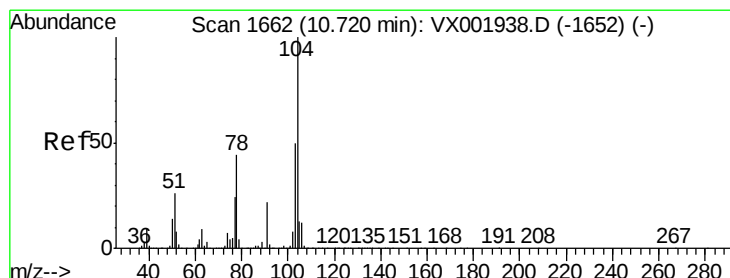
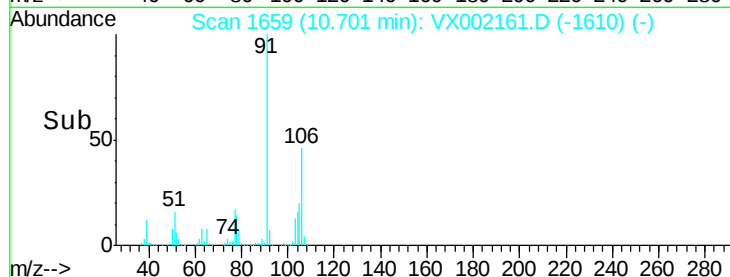
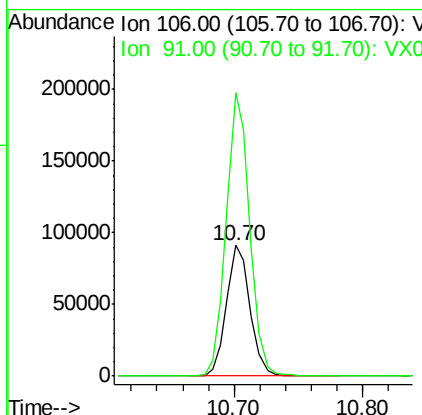
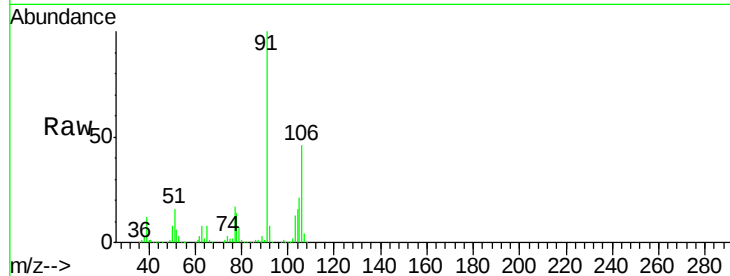
#69
o-Xylene
Concen: 18.85 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBSD03

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.2	108.7	325.9	

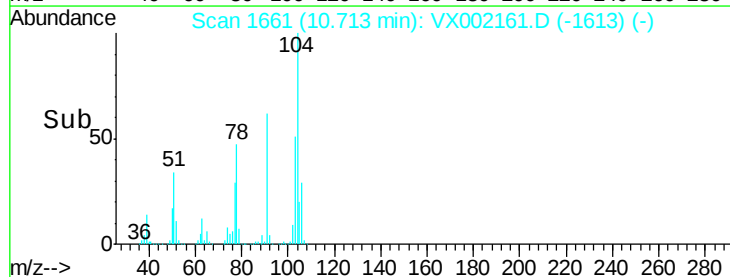
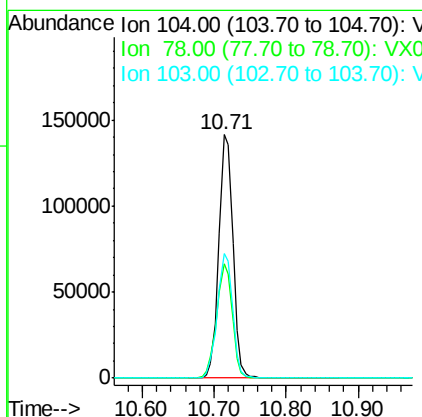
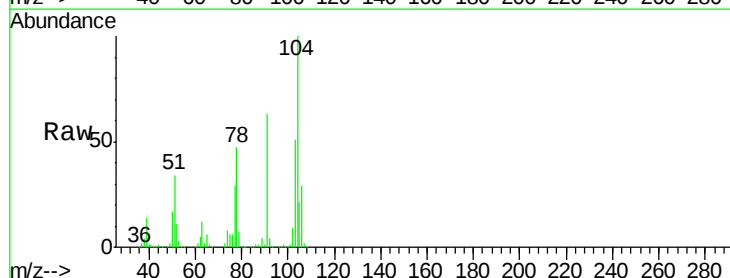
Manual Integrations
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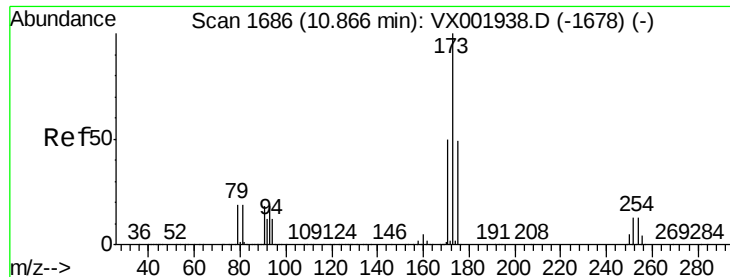
MMDadoda
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#70
Styrene
Concen: 18.53 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.1	41.8	62.6	
103	55.5	44.6	67.0	





#71

Bromoform

Concen: 13.49 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Instrument :

MSVOA_X

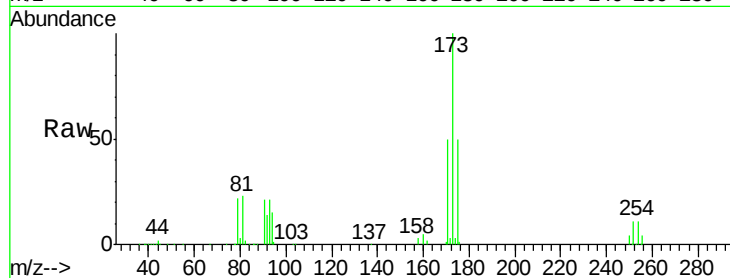
ClientSampleId :

VX0530WBSD03

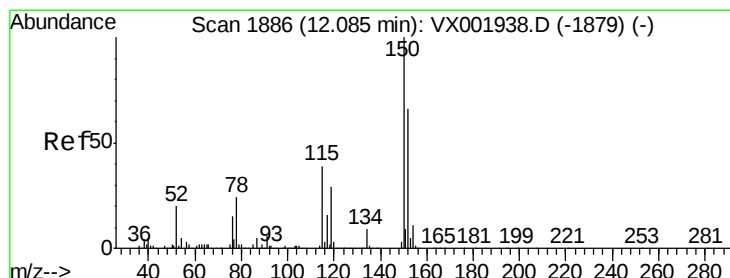
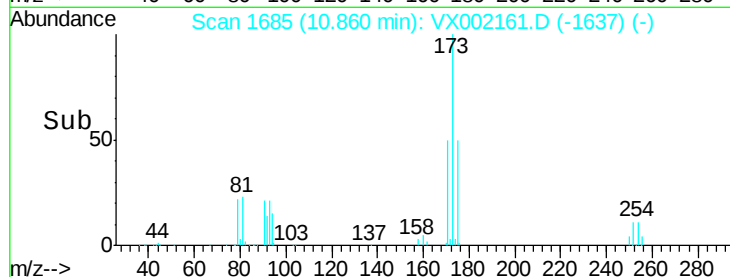
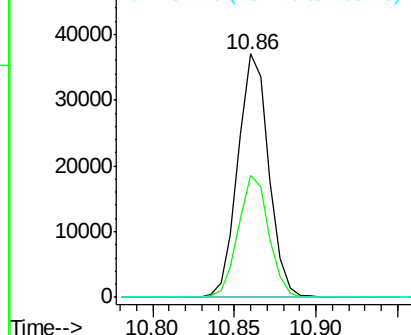
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.3	72.9
254	0.1	0.1	0.1

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

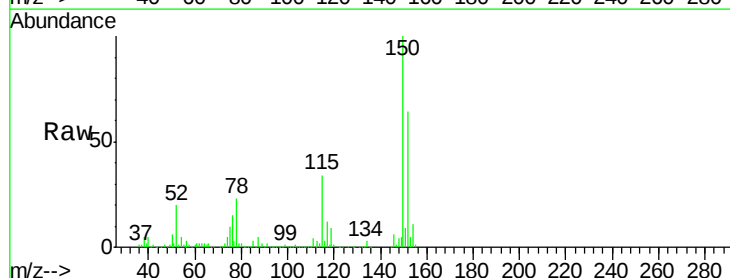
RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

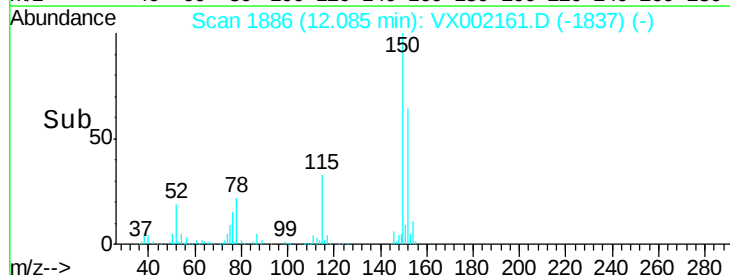
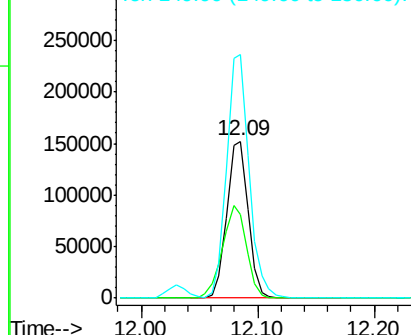
Lab File: VX002161.D

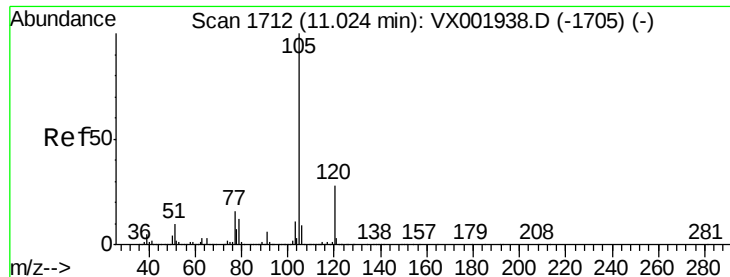
Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.0	42.3	126.8
150	163.9	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: 19.11 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBSD03

Tot Ion:105 Resp: 311194

Ion Ratio Lower Upper

105 100

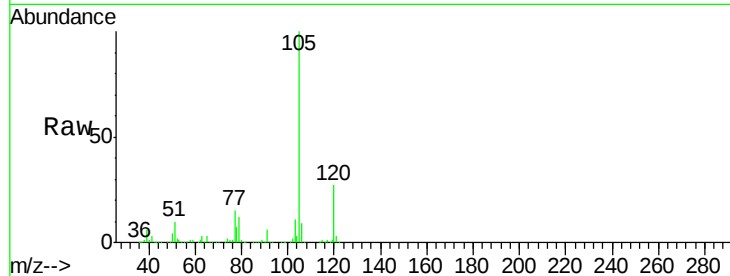
120 26.8 13.6 40.7

Manual Integrations

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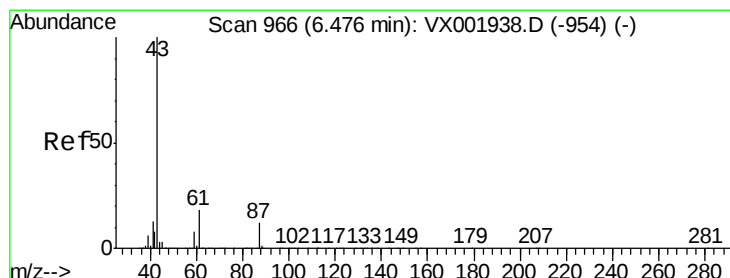
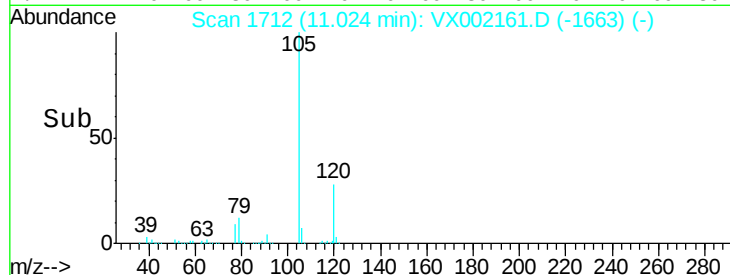
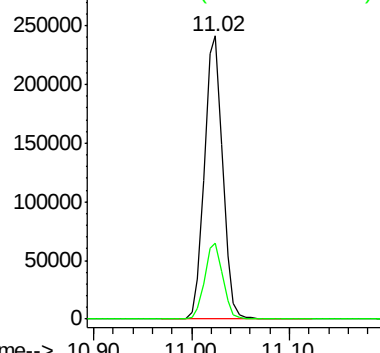
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.94 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Tgt Ion: 43 Resp: 176569

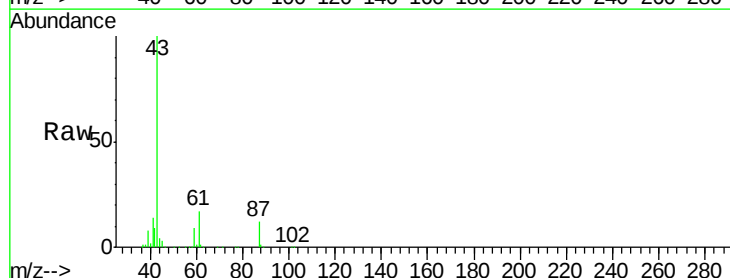
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.1 0.1 0.1#

61 18.0 14.5 21.7

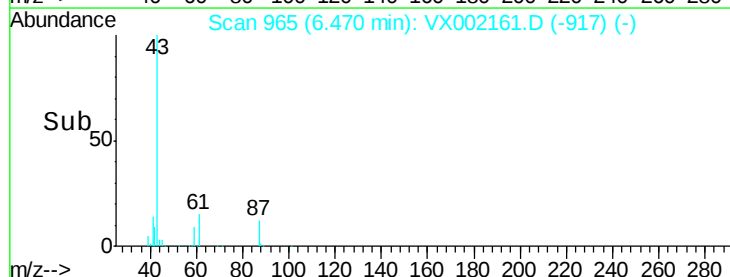
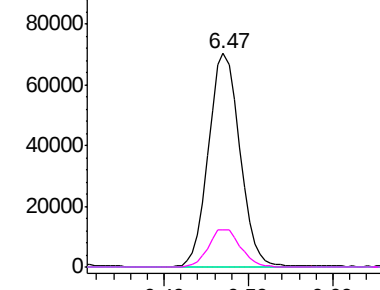


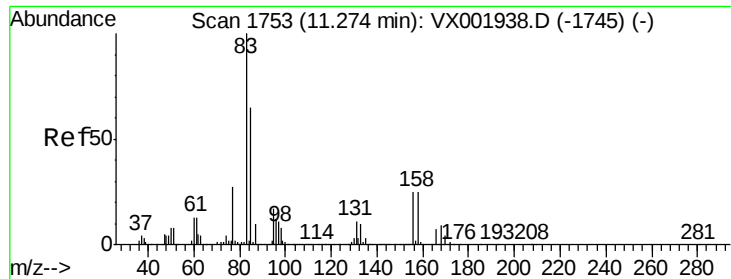
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.35 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Instrument :

MSVOA_X

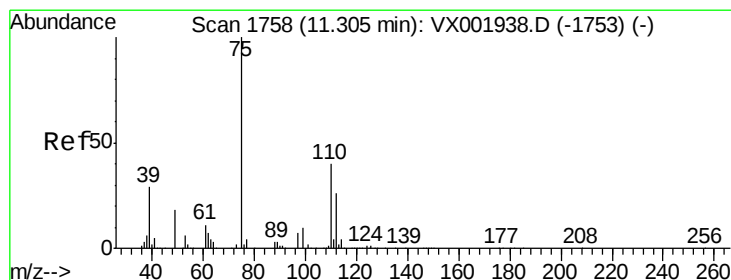
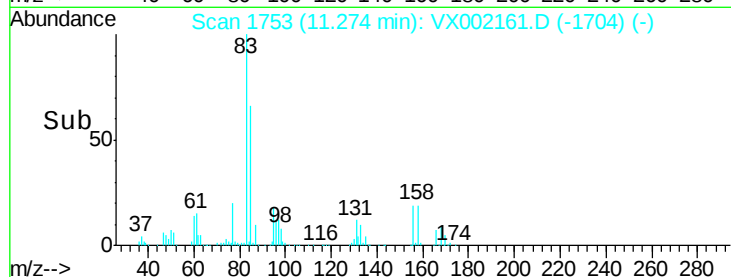
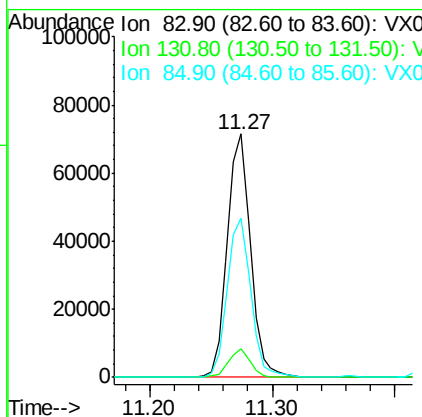
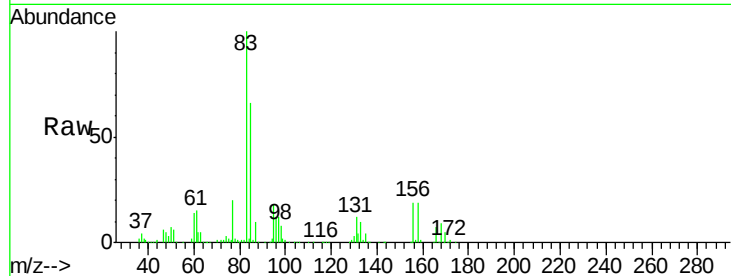
ClientSampleId :

VX0530WBSD03

Tot Ion:	83	Resp:	93998
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.7	17.0
85	66.0	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 19.08 ug/l m

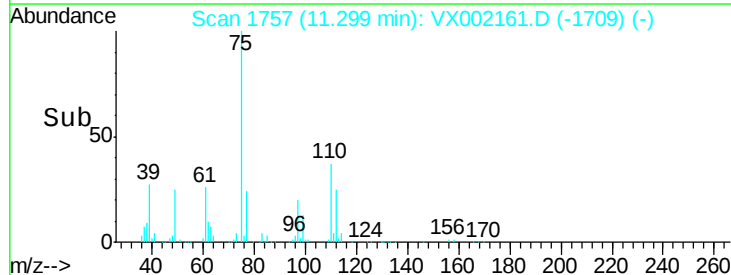
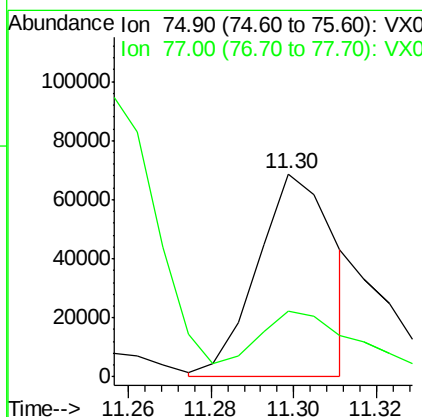
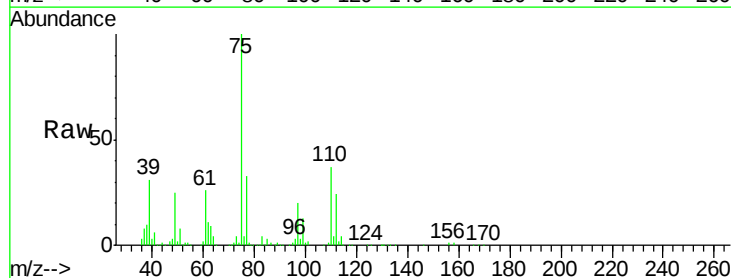
RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Tgt Ion:	75	Resp:	88137
Ion Ratio	Lower	Upper	
75	100		
77	43.5	22.8	68.3





#77

Bromobenzene

Concen: 19.33 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBSD03

Tot Ion:156 Resp: 83515

Ion Ratio Lower Upper

156 100

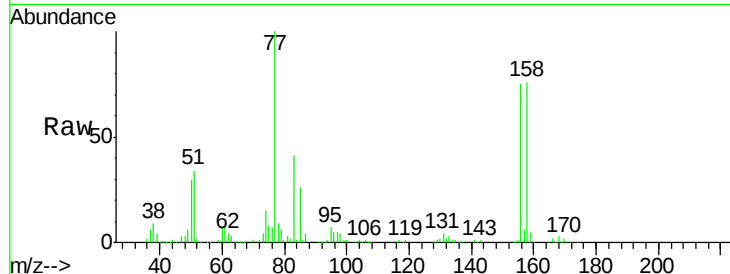
77 145.7 75.2 225.6

158 99.8 48.6 145.8

Manual Integrations
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MMDadoda

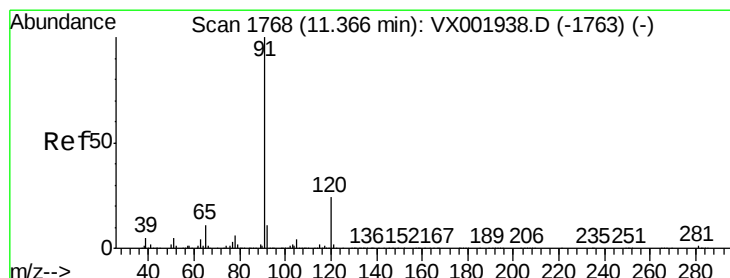
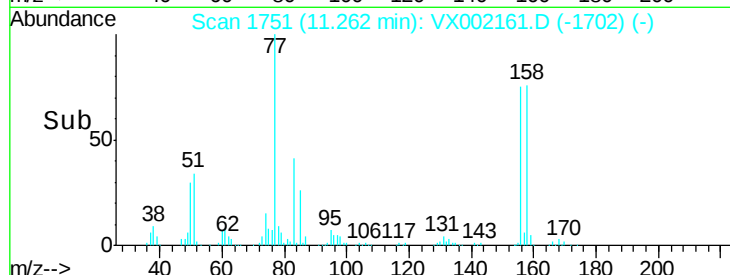
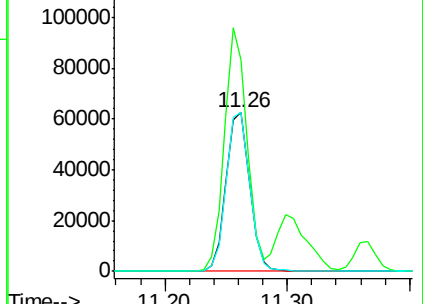
5/31/2018 3:07:50 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.84 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002161.D

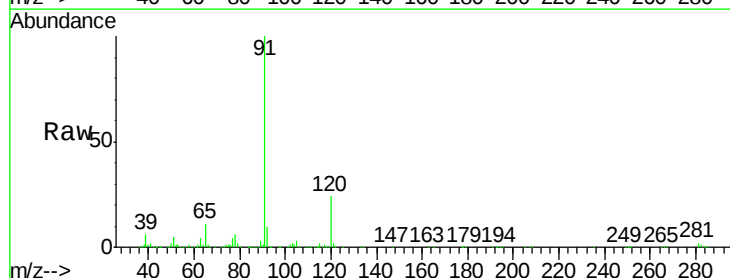
Acq: 31 May 2018 03:03

Tgt Ion: 91 Resp: 343699

Ion Ratio Lower Upper

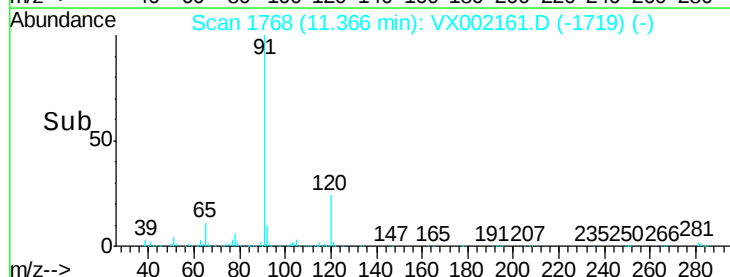
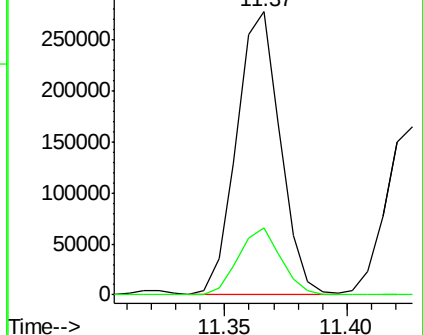
91 100

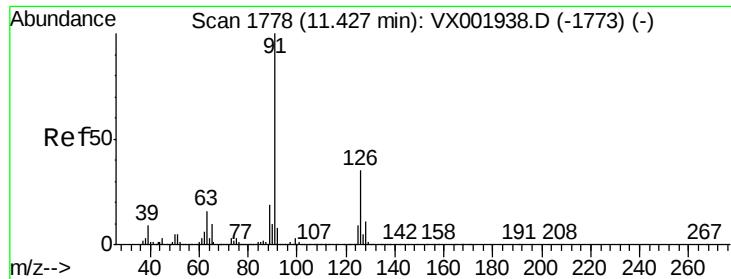
120 23.2 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.55 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBSD03

Tot Ion: 91 Resp: 209636

Ion Ratio Lower Upper

91 100

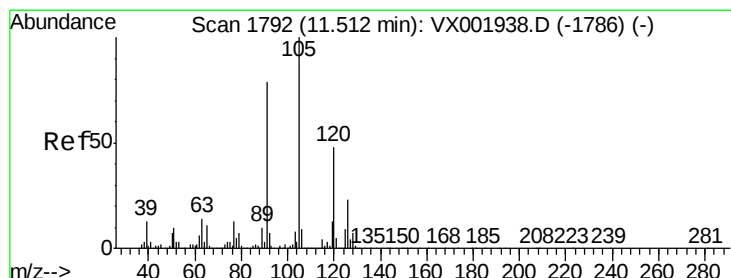
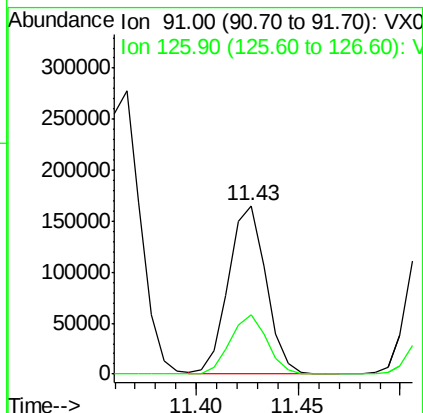
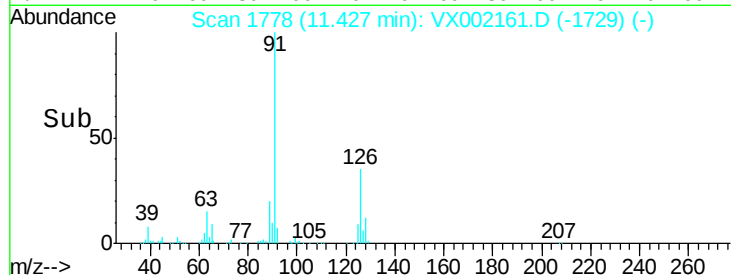
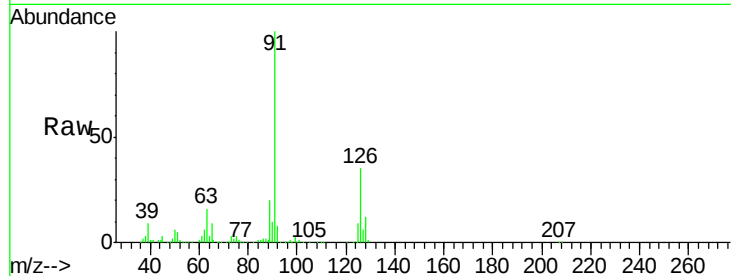
126 35.2 17.4 52.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.91 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002161.D

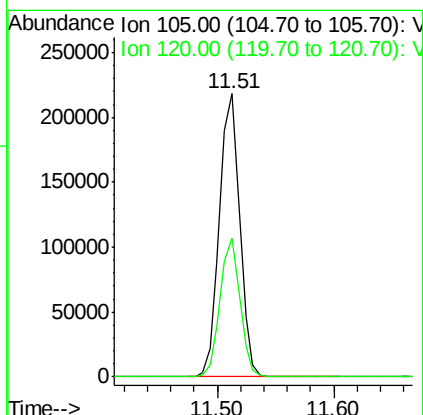
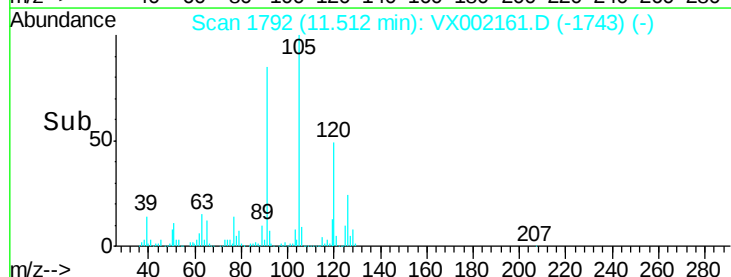
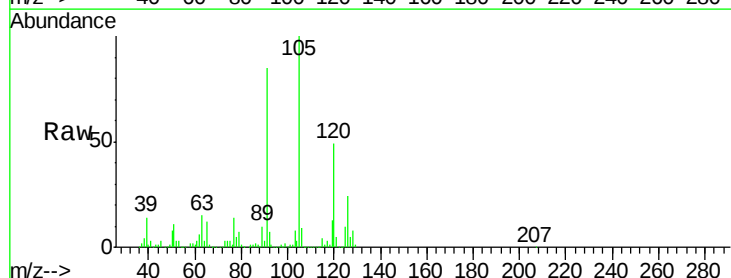
Acq: 31 May 2018 03:03

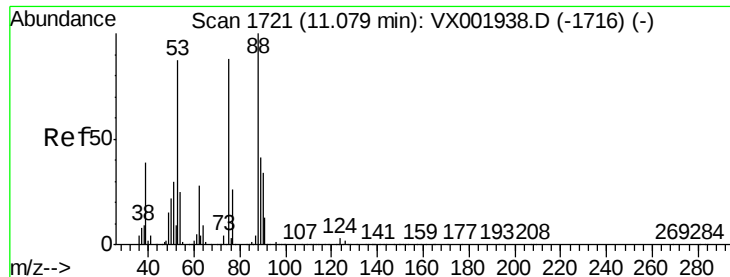
Tgt Ion: 105 Resp: 263133

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.4





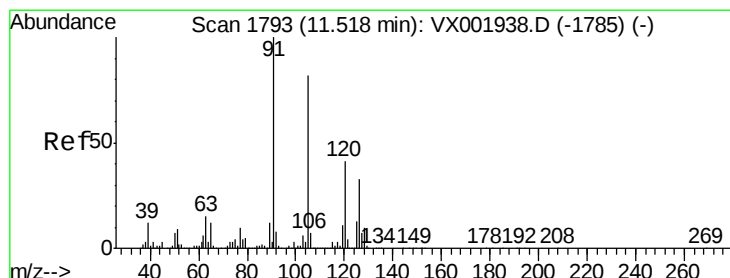
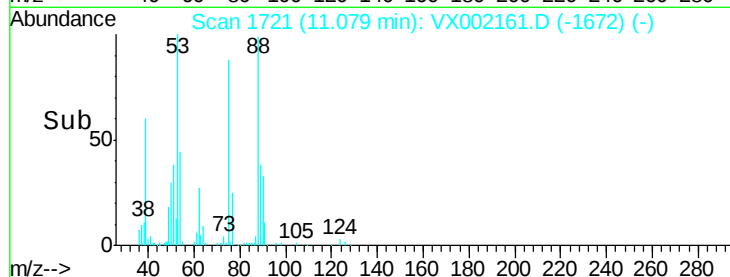
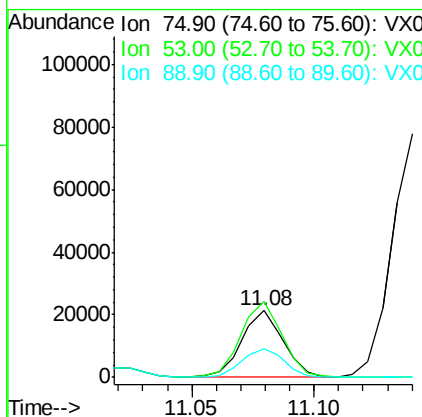
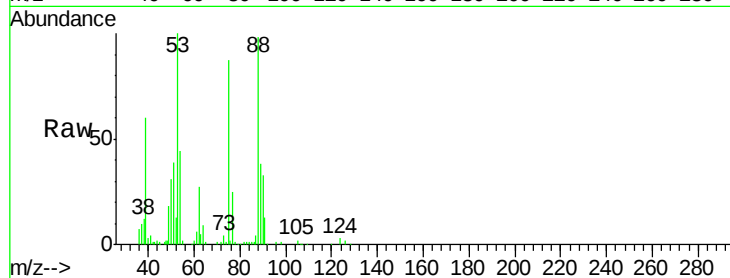
#81
trans-1,4-Dichloro-2-butene
Concen: 13.08 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Instrument :
MSVOA_X
ClientSampleID :
VX0530WBSD03

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.2	78.0	117.0
89	44.5	39.4	59.2

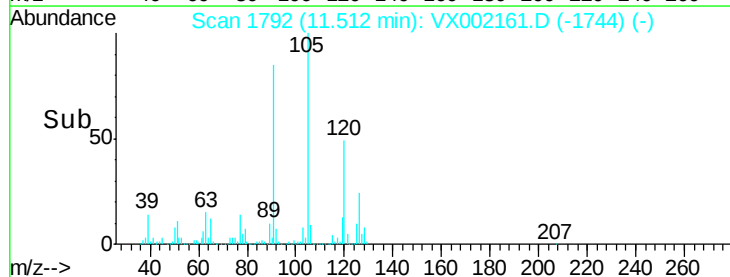
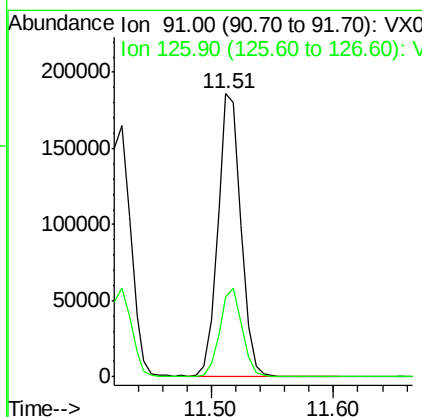
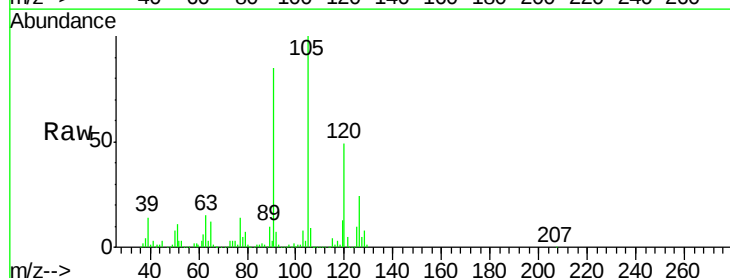
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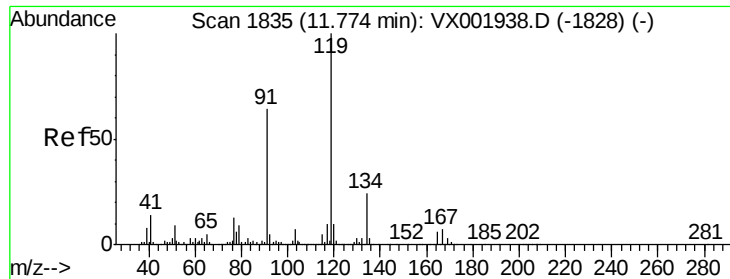
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.92 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.01 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.3	45.8





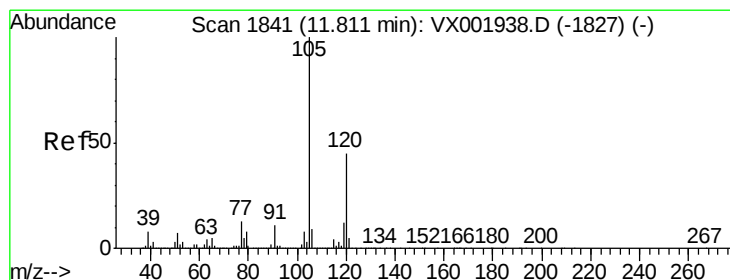
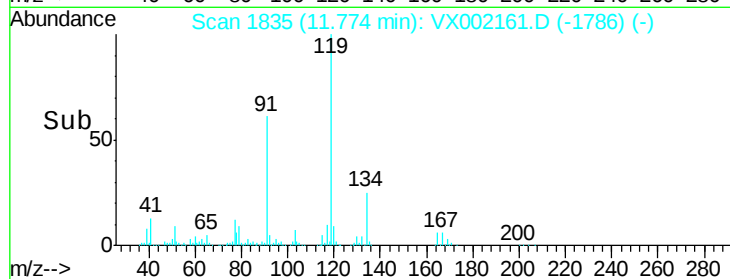
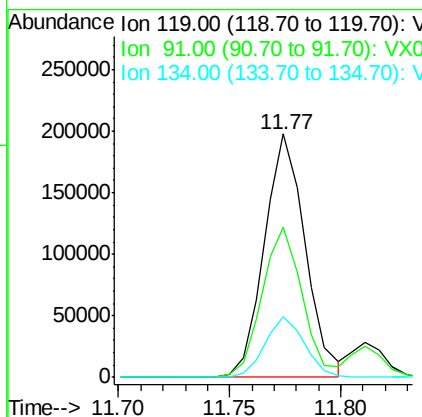
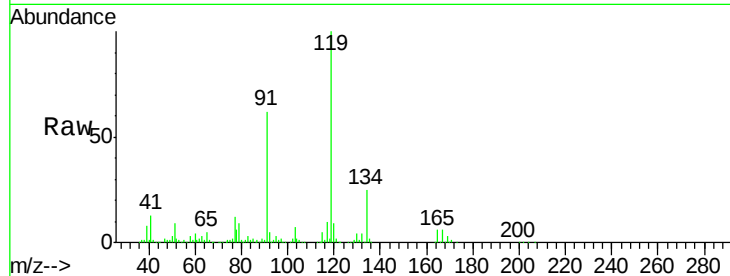
#83
 tert-Butylbenzene
 Concen: 18.46 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002161.D
 Acq: 31 May 2018 03:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	252108		
91	61.0	30.6	91.8	
134	24.0	11.7	35.0	

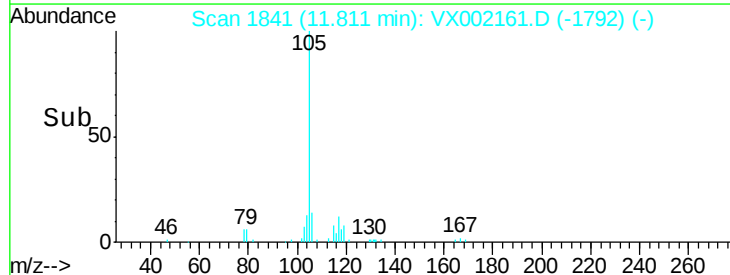
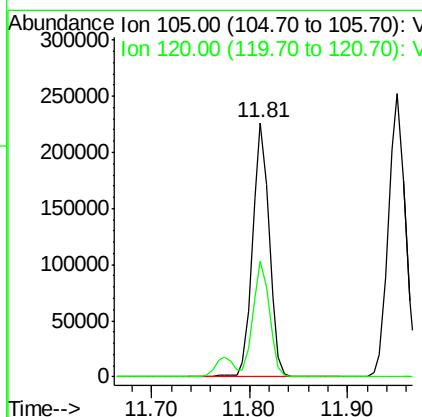
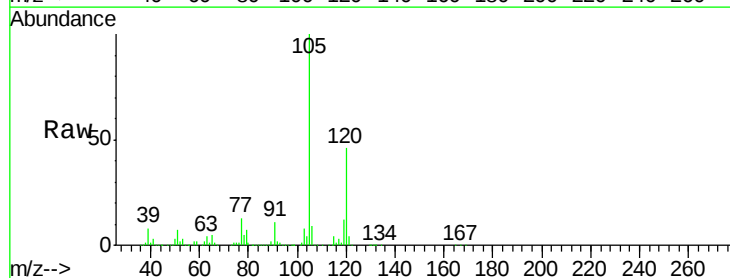
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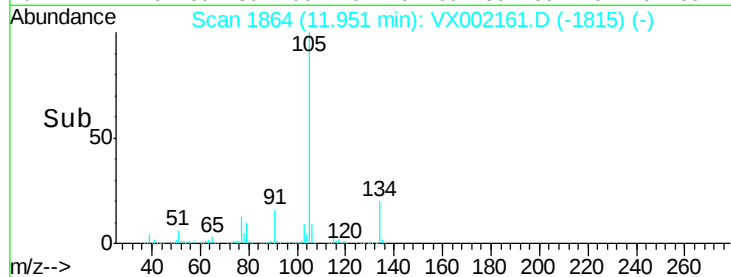
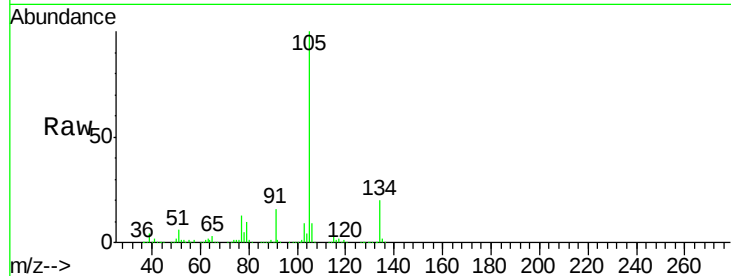
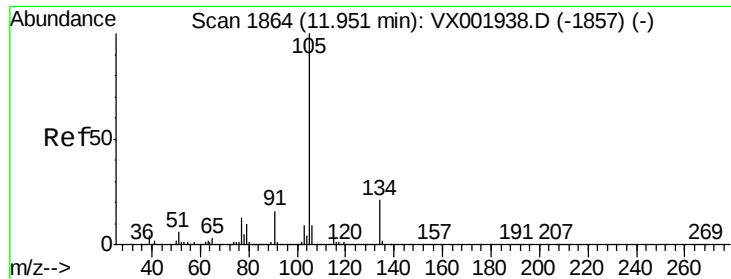
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.63 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002161.D
 Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	267895		
120	45.1	22.1	66.5	





#85

sec-Butylbenzene

Concen: 18.53 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Tot Ion:105 Resp: 304260

Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.4

Instrument :

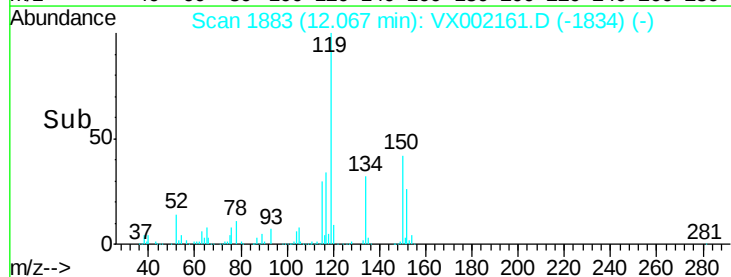
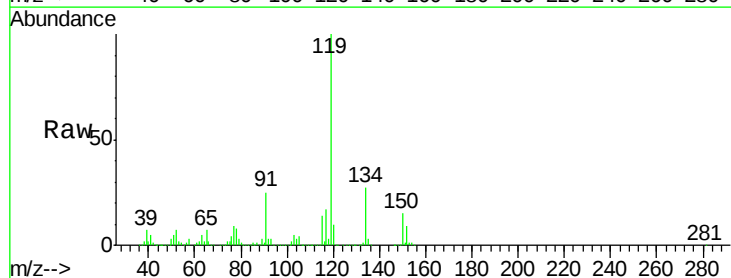
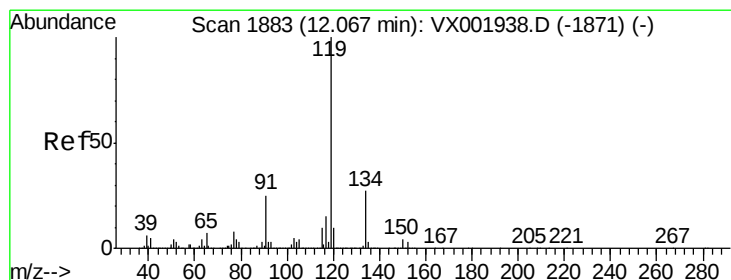
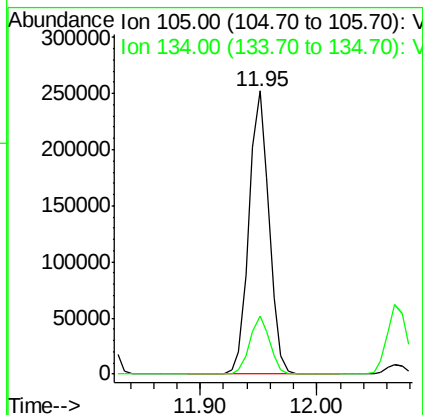
MSVOA_X

ClientSampleId :

VX0530WBSD03

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#86

p-Isopropyltoluene

Concen: 18.36 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

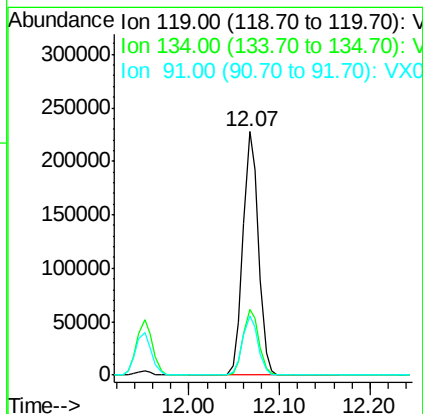
Tgt Ion:119 Resp: 269732

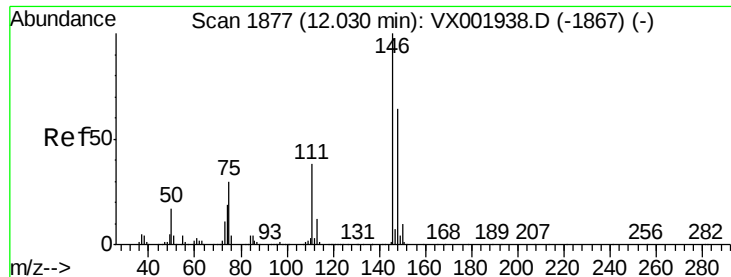
Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.8

91 24.5 12.2 36.4





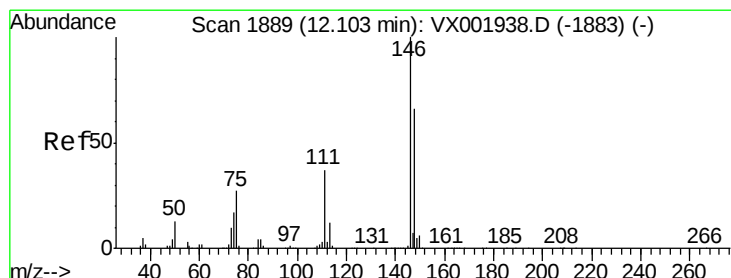
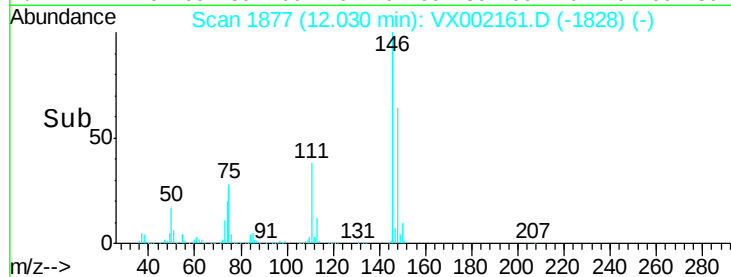
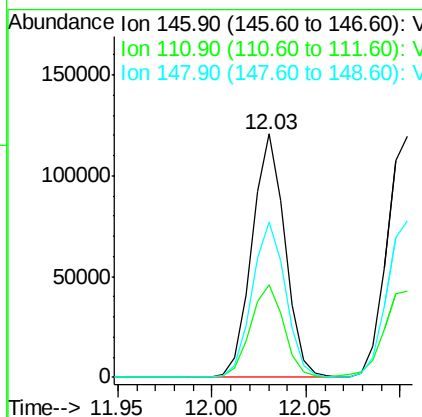
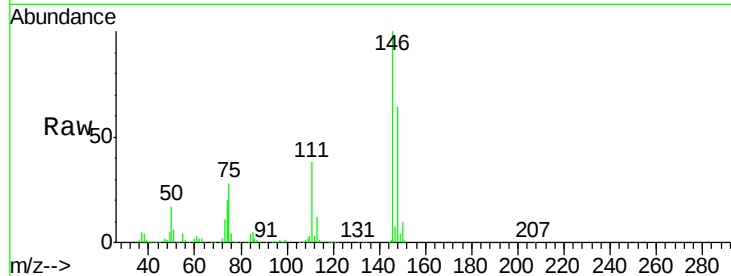
#87
 1,3-Dichlorobenzene
 Concen: 18.93 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002161.D
 Acq: 31 May 2018 03:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBSD03

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.3	57.8
148	64.7	32.1	96.3

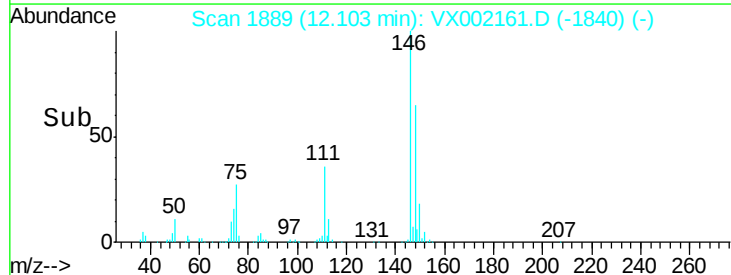
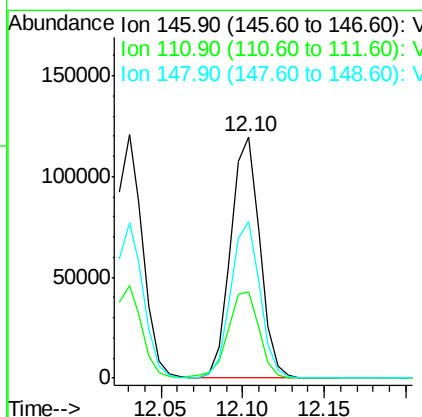
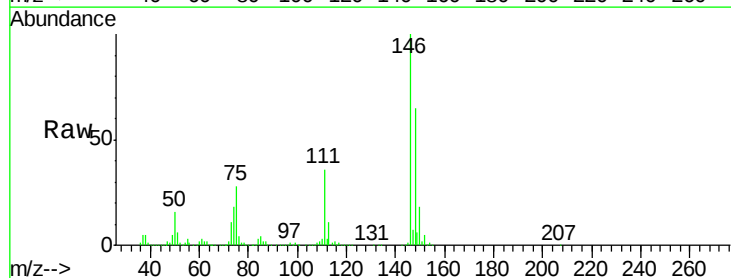
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 19.20 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002161.D
 Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.5
148	65.2	32.3	96.8





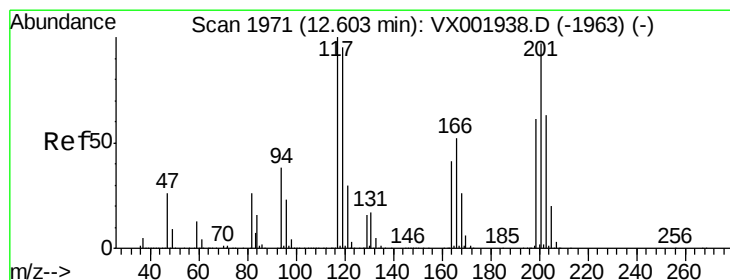
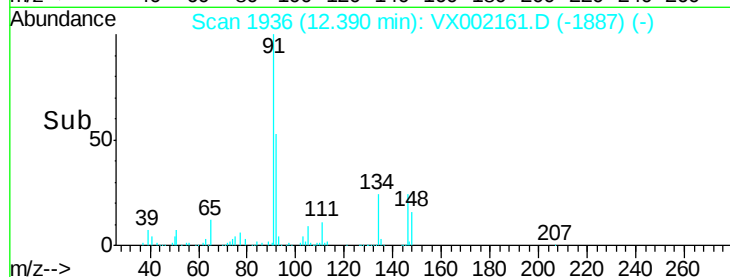
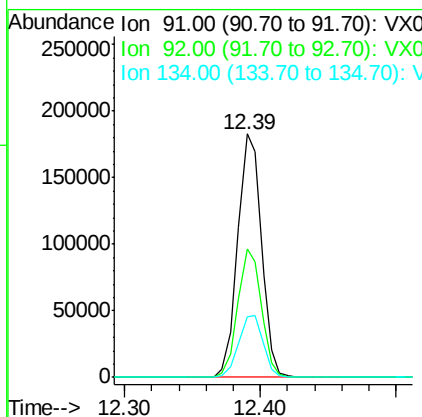
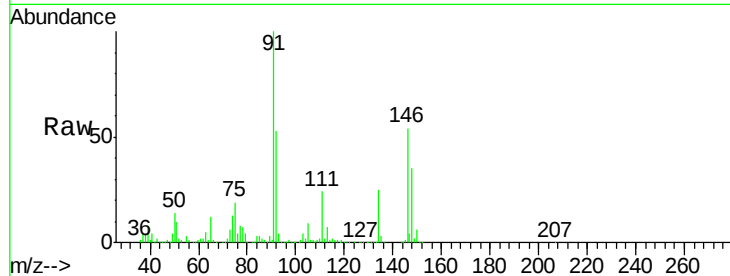
#89
n-Butylbenzene
Concen: 17.89 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBSD03

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.9
134	26.2	13.6	40.7

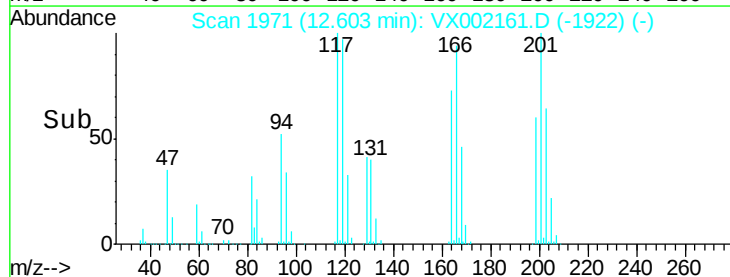
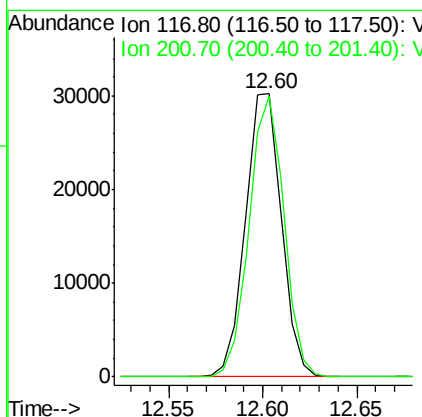
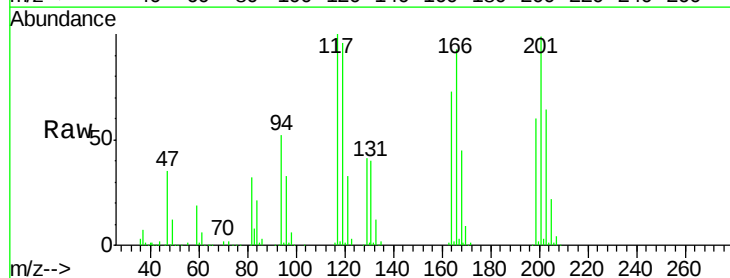
Manual Integrations
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#90
Hexachloroethane
Concen: 13.83 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX002161.D
Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.5	48.0	144.0





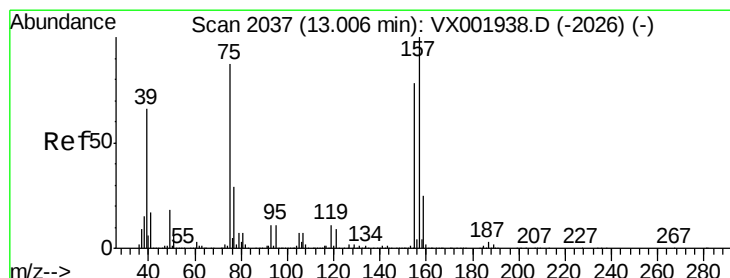
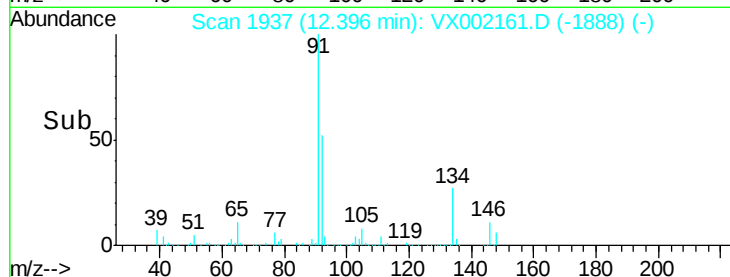
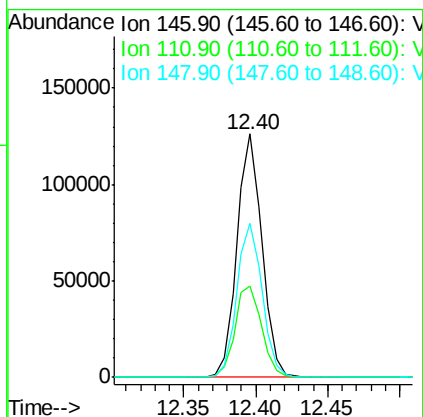
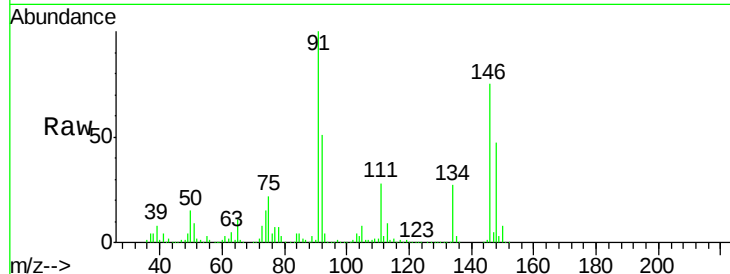
#91
 1,2-Dichlorobenzene
 Concen: 19.38 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002161.D
 Acq: 31 May 2018 03:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBSD03

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.8	59.3
148	63.9	32.1	96.5

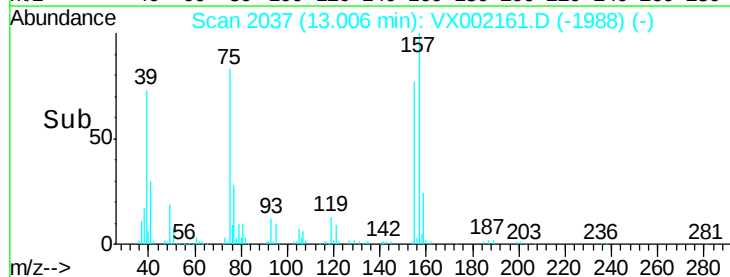
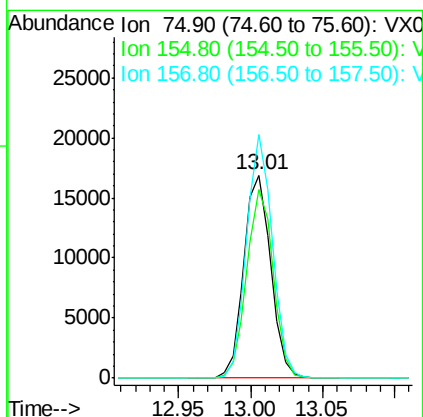
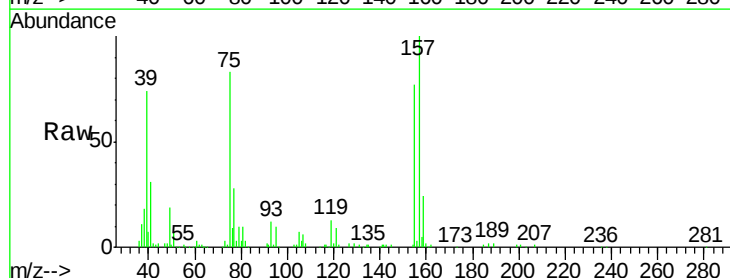
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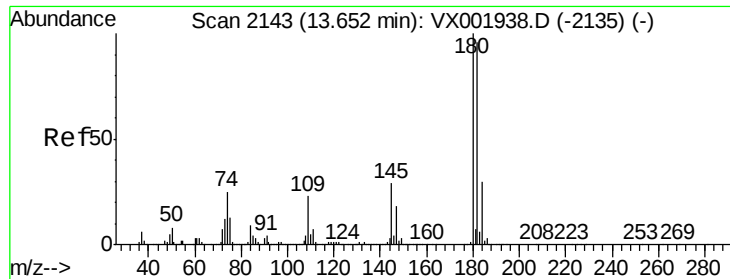
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.15 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002161.D
 Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	45.1	135.2
157	114.1	58.1	174.2





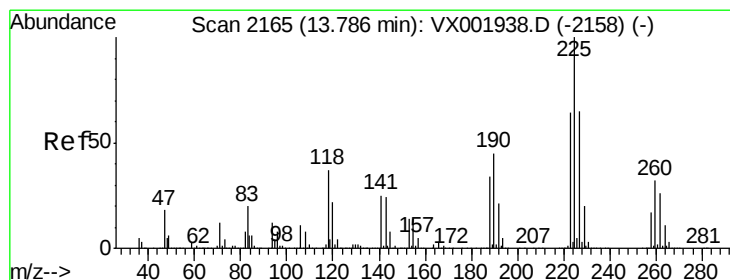
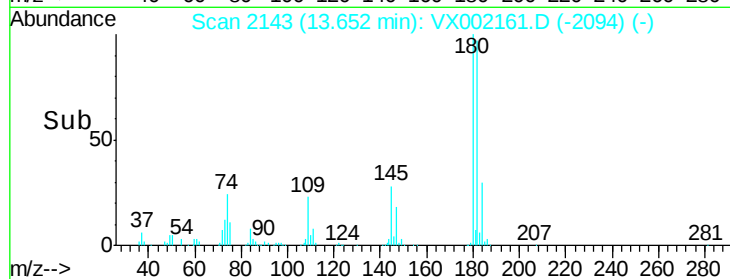
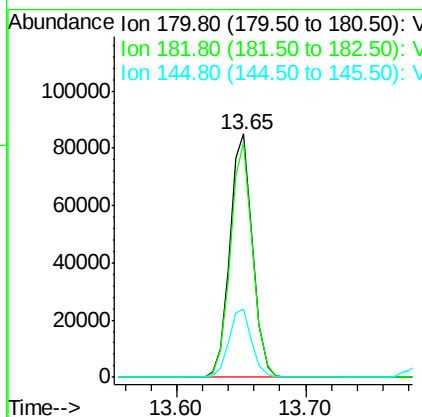
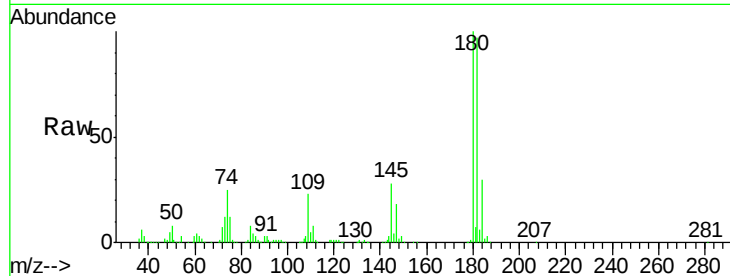
#93
 1,2,4-Trichlorobenzene
 Concen: 18.59 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002161.D
 Acq: 31 May 2018 03:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104794		
182	94.5	47.7	143.1	
145	28.2	14.4	43.0	

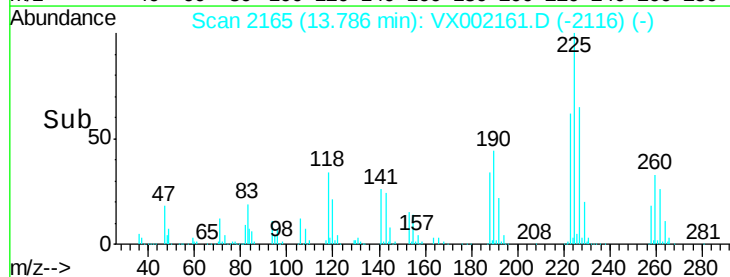
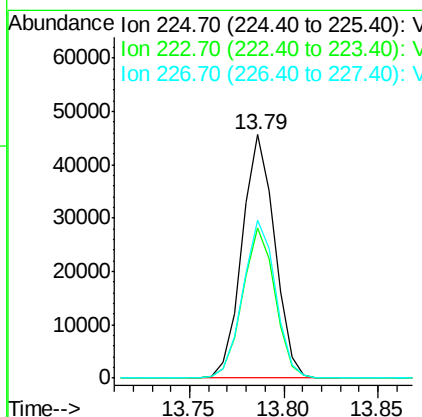
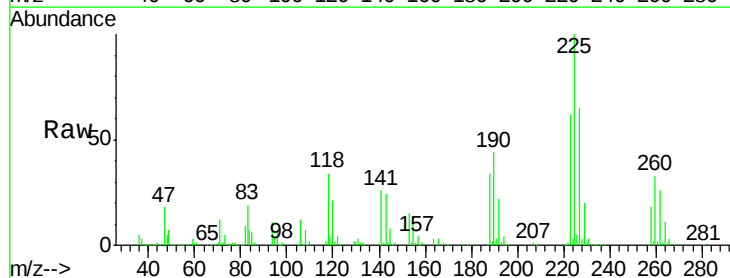
Manual Integrations
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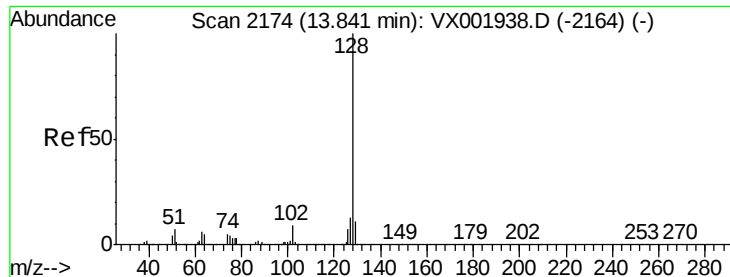
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 18.10 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002161.D
 Acq: 31 May 2018 03:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	54891		
223	61.2	31.1	93.5	
227	64.4	32.1	96.5	





#95

Naphthalene

Concen: 19.01 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Instrument :

MSVOA_X

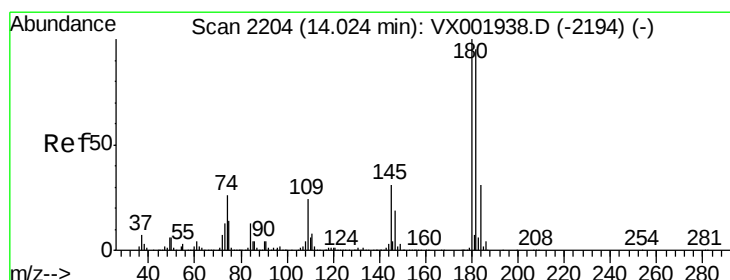
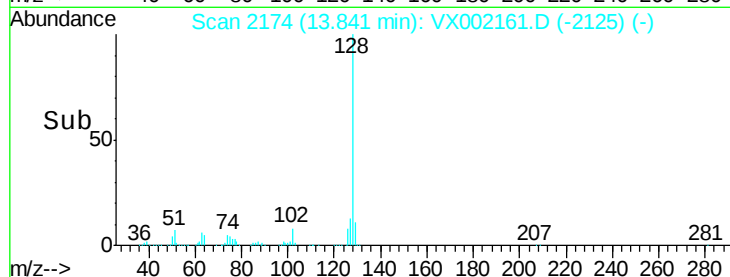
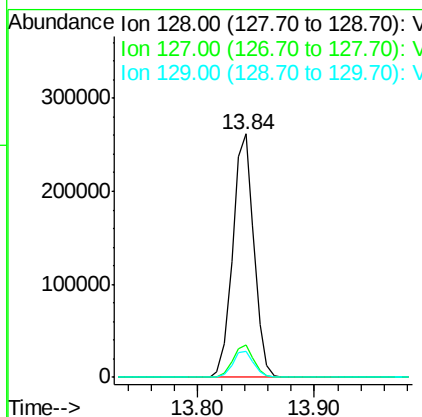
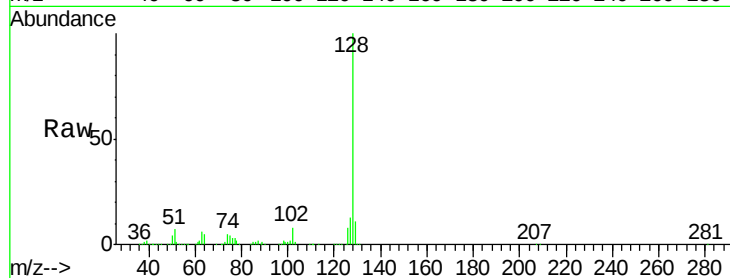
ClientSampleId :

VX0530WBSD03

Tot Ion:	128	Resp:	330193
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.7	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.63 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002161.D

Acq: 31 May 2018 03:03

Tgt Ion:	180	Resp:	108684
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.6
145	29.8	15.1	45.3

