

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053018\
 Data File : VX002141.D
 Acq On : 30 May 2018 15:16
 Operator : JC/MD
 Sample : VX0530WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 3:07:45 PM

Quant Time: May 31 05:30:20 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X052518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 25 02:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	54023	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	310957	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	283355	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	130280	30.65	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.17%
60) 4-Bromofluorobenzene	11.14	95	140039	28.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.23%
63) Toluene-d8	8.72	98	382350	30.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.93%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	55996	19.52	ug/l	99
3) Chloromethane	1.32	50	73047	21.41	ug/l	100
4) Vinyl Chloride	1.40	62	70589	20.80	ug/l	100
5) Bromomethane	1.64	94	38931	20.48	ug/l	97
6) Chloroethane	1.73	64	45917	22.87	ug/l	99
7) Trichlorofluoromethane	1.93	101	118686	22.93	ug/l	98
8) Diethyl Ether	2.19	74	44221	22.70	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	66396	23.82	ug/l	99
10) 1,1-Dichloroethene	2.37	96	59154	22.01	ug/l	99
11) Methyl Iodide	2.51	142	58530	13.86	ug/l	98
12) Methyl Acetate	2.78	43	107119	24.59	ug/l	98
13) Acrolein	2.29	56	32589	87.86	ug/l	99
14) Acrylonitrile	3.15	53	196010	109.36	ug/l	98
15) Acetone	2.45	58	55175	115.47	ug/l	91
16) Carbon Disulfide	2.57	76	133507	17.39	ug/l	100
17) Allyl chloride	2.73	41	128544	23.17	ug/l	95
18) Methylene Chloride	2.86	84	69354	22.96	ug/l	99
19) trans-1,2-Dichloroethene	3.17	96	63120	22.21	ug/l	96
20) Diisopropyl ether	3.88	45	230234	21.74	ug/l	99
21) 1,1-Dichloroethane	3.70	63	129888	23.04	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	68272	20.15	ug/l	93
23) tert-Butyl Alcohol	3.07	59	98933	106.42	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	237031	22.59	ug/l	98
25) Chloroform	5.22	83	122670	20.69	ug/l	97
26) Cyclohexane	5.58	56	103851	20.01	ug/l	# 99
29) 1,1-Dichloropropene	5.80	75	84445	19.41	ug/l	99
30) 2-Butanone	4.71	43	286301	94.35	ug/l	99
31) 2,2-Dichloropropane	4.59	77	100904	26.39	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	106075	18.67	ug/l	100
33) Carbon Tetrachloride	5.79	117	91452	17.71	ug/l	96
34) Benzene	6.15	78	257969	19.64	ug/l	99
35) Methacrylonitrile	5.07	41	63201	18.81	ug/l	97
36) 1,2-Dichloroethane	6.20	62	100889	19.71	ug/l	98
37) Trichloroethene	7.21	130	72455	19.44	ug/l	93
38) Methylcyclohexane	7.46	83	103449	20.38	ug/l	99
39) 1,2-Dichloropropane	7.52	63	70040	19.72	ug/l	97
40) Dibromomethane	7.67	93	45814	19.22	ug/l	98

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Manual Integrations
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Quant Time: May 31 05:30:20 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X052518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 25 02:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	85563	17.31	ug/l	99
42) Vinyl Acetate	3.83	43	1001003	104.26	ug/l	98
43) Ethyl Acetate	4.87	43	109873	18.45	ug/l	100
44) Isopropyl Acetate	6.47	43	183236	18.50	ug/l	99
45) 1,4-Dioxane	7.76	88	34823	369.56	ug/l #	88
46) Methyl methacrylate	7.78	41	93890	18.72	ug/l	99
47) n-amyl Acetate	10.90	43	167162	18.34	ug/l #	91
48) t-1,3-Dichloropropene	8.44	75	105405	18.97	ug/l	97
49) cis-1,3-Dichloropropene	9.05	75	98176	18.25	ug/l	97
50) 1,1,2-Trichloroethane	9.22	97	69563	20.33	ug/l	96
51) Ethyl methacrylate	9.19	69	111443	18.80	ug/l	98
52) 1,3-Dichloropropane	9.38	76	116051	20.11	ug/l	99
53) Dibromochloromethane	9.59	129	68768	16.45	ug/l	99
54) 1,2-Dibromoethane	9.68	107	71775	19.38	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	406662	146.19	ug/l	100
56) Bromoform	10.86	173	53386	14.53	ug/l	100
58) 4-Methyl-2-Pentanone	8.65	43	596216	96.69	ug/l	99
59) 2-Hexanone	9.50	43	458438	95.81	ug/l	99
61) Tetrachloroethene	9.34	164	83251	19.26	ug/l	99
62) Toluene	8.79	91	285975	19.76	ug/l	99
64) Chlorobenzene	10.15	112	185973	19.86	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	69693	18.29	ug/l	100
66) Ethyl Benzene	10.26	91	321076	19.74	ug/l	99
67) m/p-Xylenes	10.37	106	243884	39.50	ug/l	99
68) o-Xylene	10.70	106	121939	19.72	ug/l	99
69) Styrene	10.72	104	199851	19.25	ug/l	99
70) Isopropylbenzene	11.02	105	331115	20.00	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	98682	19.02	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	90357m	18.49	ug/l	
73) Bromobenzene	11.26	156	86946	19.55	ug/l	97
74) n-propylbenzene	11.37	91	369668	20.01	ug/l	99
75) 2-Chlorotoluene	11.43	91	225921	19.82	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	274726	19.52	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	28636	16.17	ug/l	82
78) 4-Chlorotoluene	11.52	91	255938	19.75	ug/l	99
79) tert-butylbenzene	12.07	119	292887	19.85	ug/l	100
80) 1,2,4-Trimethylbenzene	11.81	105	282939	19.88	ug/l	100
81) sec-Butylbenzene	11.95	105	332893	20.18	ug/l	99
82) p-Isopropyltoluene	12.07	119	292887	19.85	ug/l	100
83) 1,3-Dichlorobenzene	12.03	146	154364	19.59	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	154845	19.75	ug/l	99
85) n-Butylbenzene	12.39	91	248697	20.09	ug/l	99
86) Hexachloroethane	12.60	117	44188	15.05	ug/l	100
87) 1,2-Dichlorobenzene	12.40	146	161256	19.87	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	23021	15.23	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	110678	19.20	ug/l	100
90) Hexachlorobutadiene	13.79	225	60598	19.77	ug/l	99
91) Naphthalene	13.84	128	345956	19.02	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	116184	19.30	ug/l	100

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MSVOA_X
ClientSampleId :
VX0530WBS01

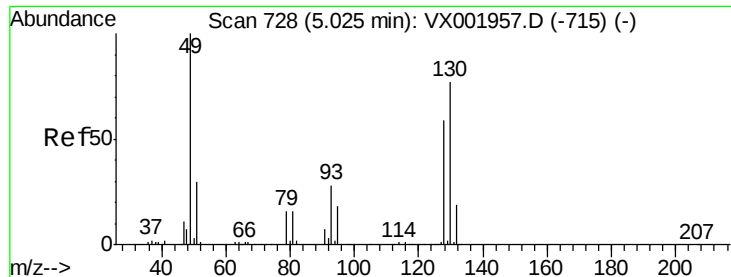
Manual Integrations
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5/31/2018 3:07:45 PM

Quant Time: May 31 05:30:20 2018
Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X052518W.M
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QLast Update : Fri May 25 02:17:15 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

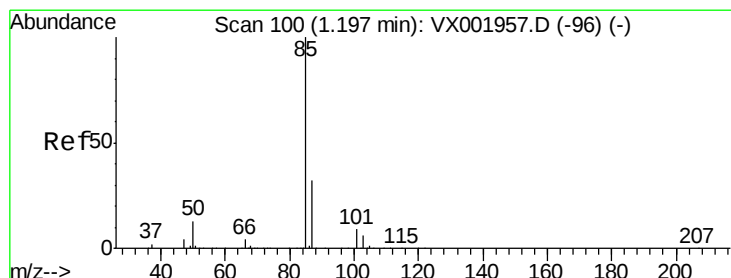
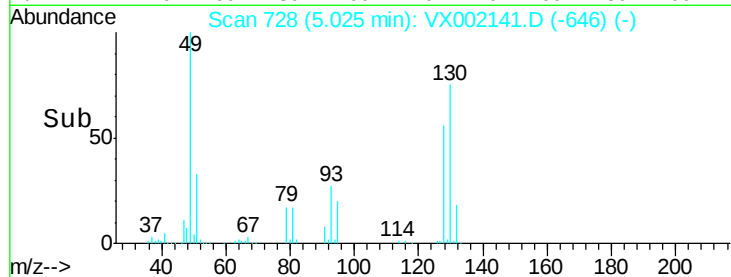
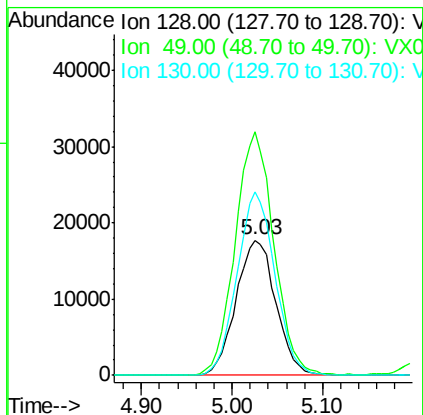
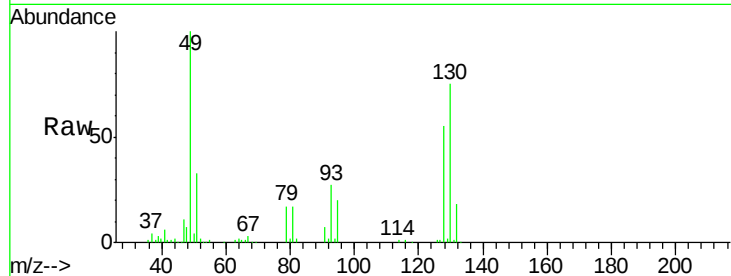
Bromochloromethane
 Concen: 30.00 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX002141.D
 Acq: 30 May 2018 15:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	175.2	0.0	423.0
130	129.0	0.0	324.3

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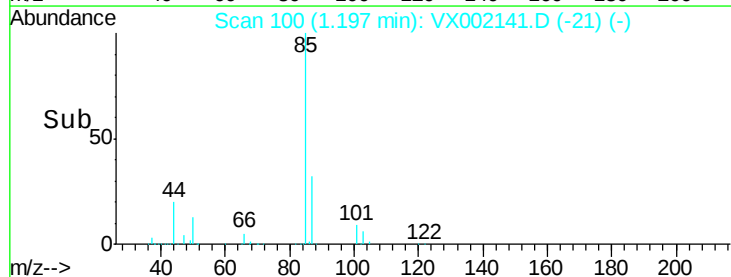
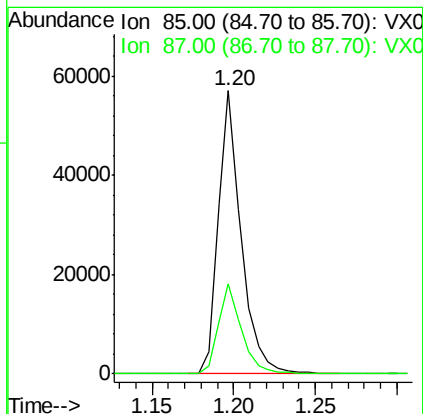
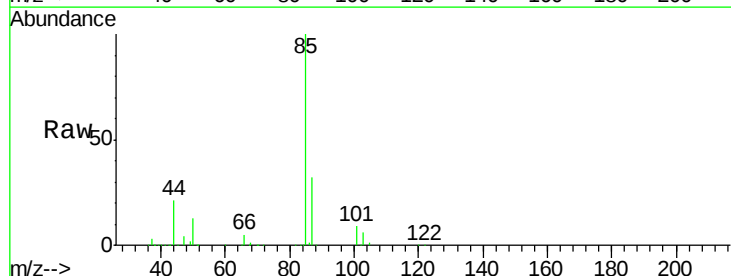
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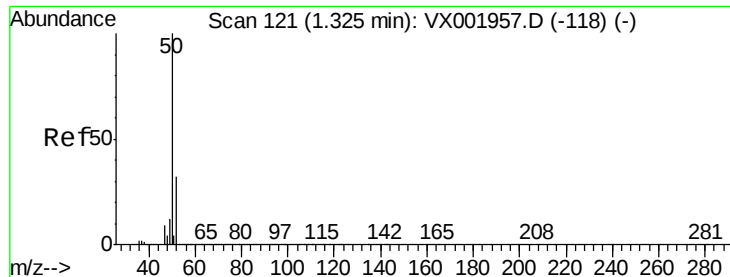


#2

Dichlorodifluoromethane
 Concen: 19.52 ug/l
 RT: 1.20 min Scan# 100
 Delta R.T. 0.00 min
 Lab File: VX002141.D
 Acq: 30 May 2018 15:16

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.2	48.5





#3

Chloromethane

Concen: 21.41 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion: 50 Resp: 73047

Ion Ratio Lower Upper

50 100

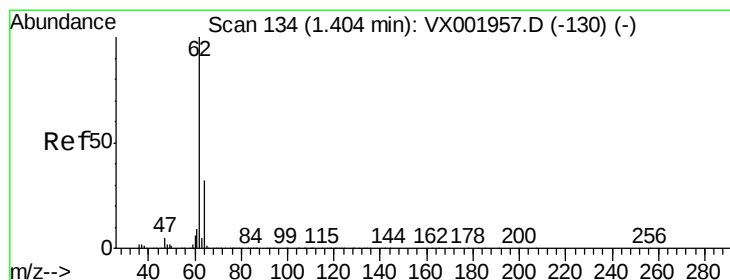
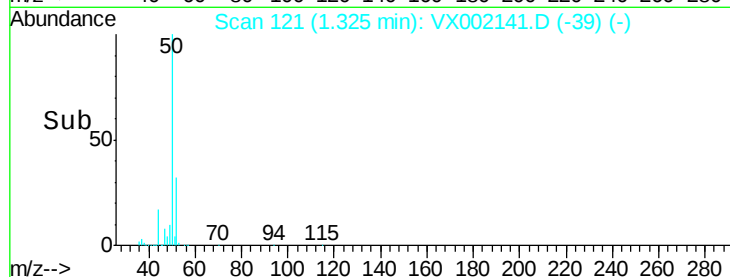
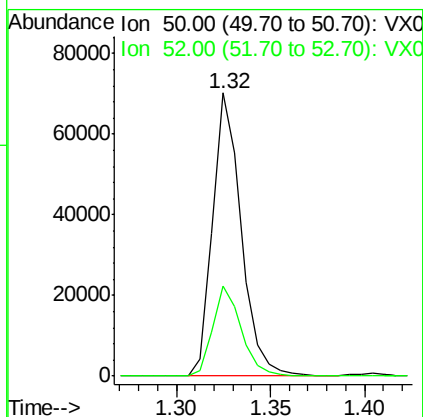
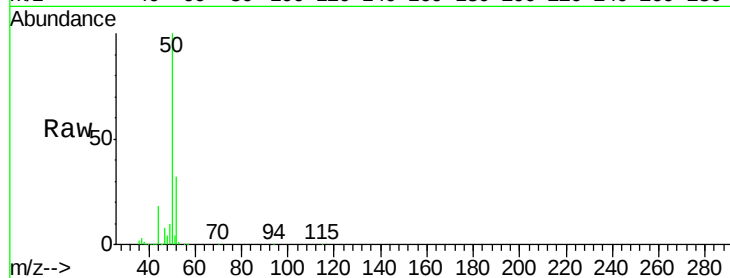
52 32.1 25.6 38.4

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#4

Vinyl Chloride

Concen: 20.80 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002141.D

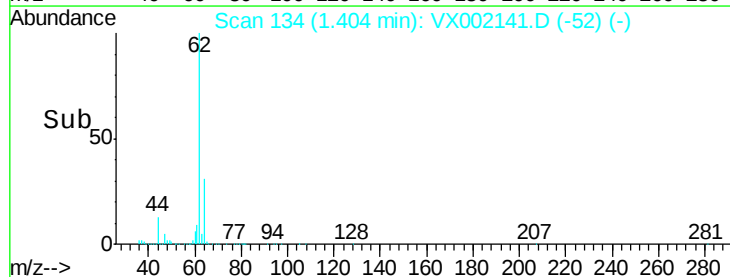
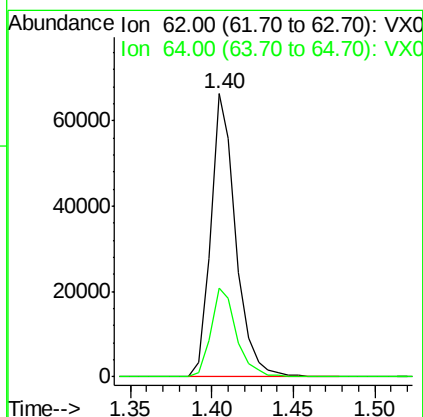
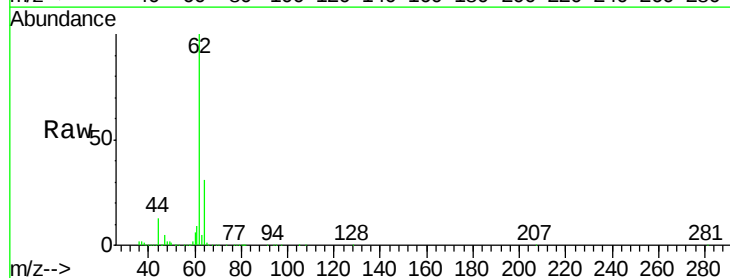
Acq: 30 May 2018 15:16

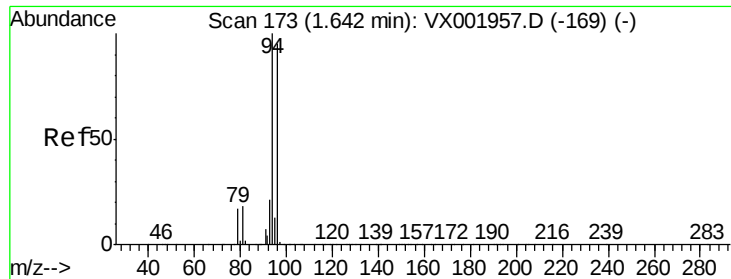
Tgt Ion: 62 Resp: 70589

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 20.48 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion: 94 Resp: 38931

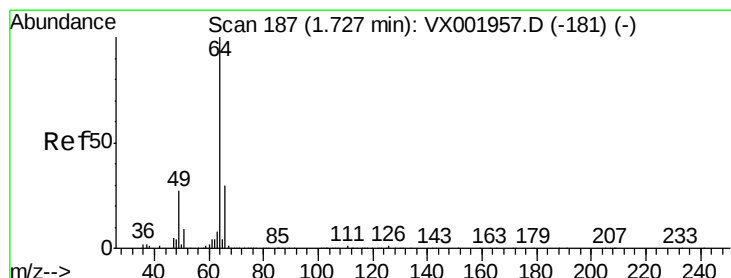
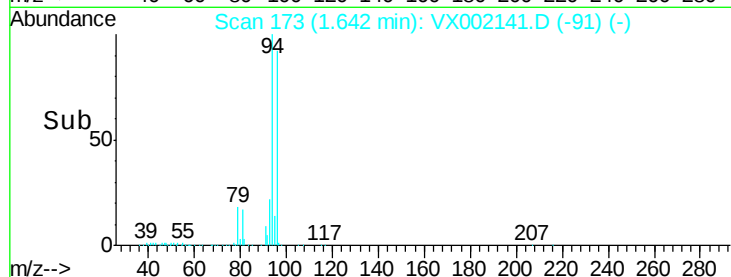
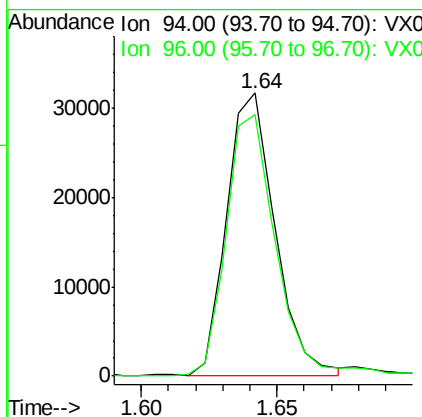
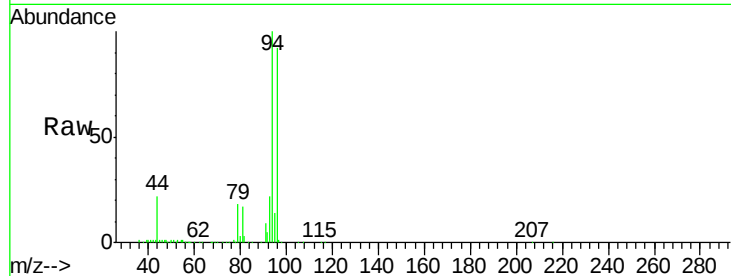
Ion Ratio Lower Upper

94 100

96 92.1 75.7 113.5

Manual Integrations
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#6

Chloroethane

Concen: 22.87 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX002141.D

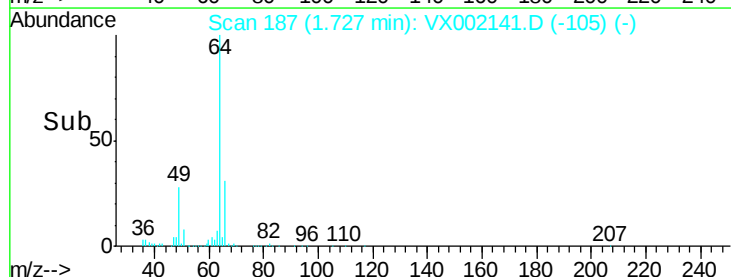
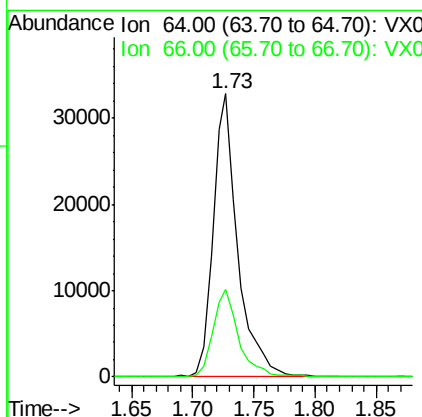
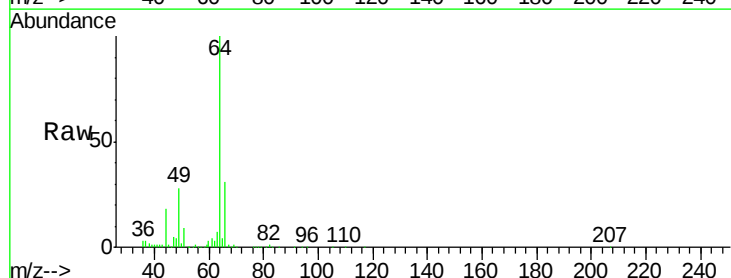
Acq: 30 May 2018 15:16

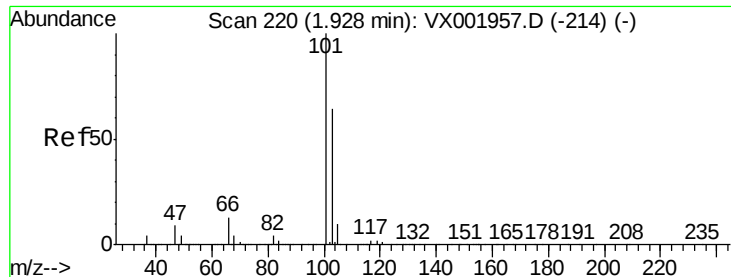
Tgt Ion: 64 Resp: 45917

Ion Ratio Lower Upper

64 100

66 30.9 24.3 36.5





#7

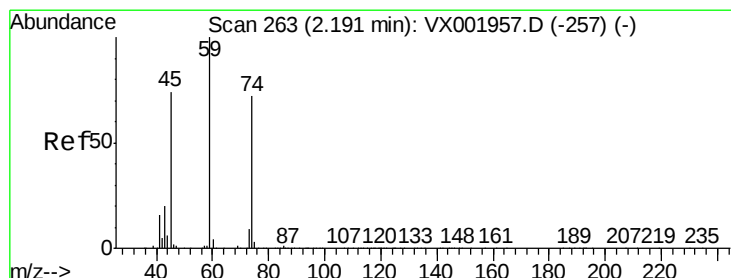
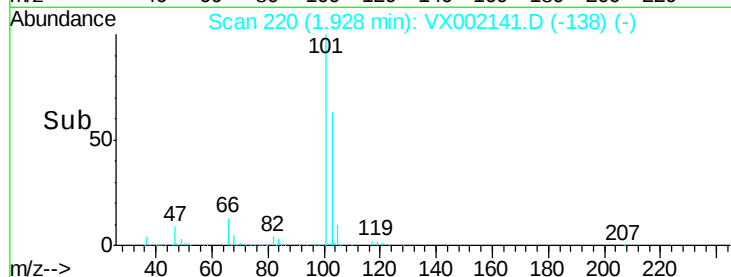
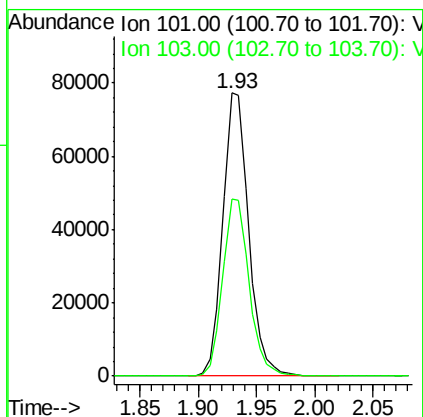
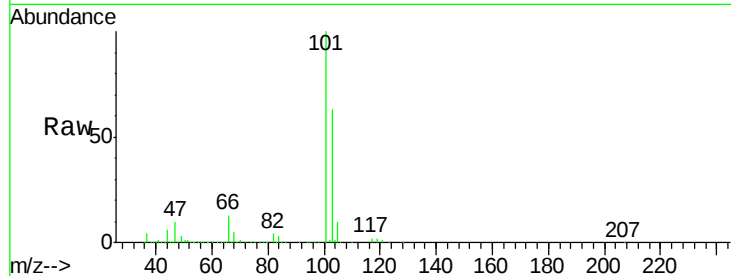
Trichlorofluoromethane
 Concen: 22.93 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX002141.D
 Acq: 30 May 2018 15:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	118686		
103	62.6	51.5	77.3	

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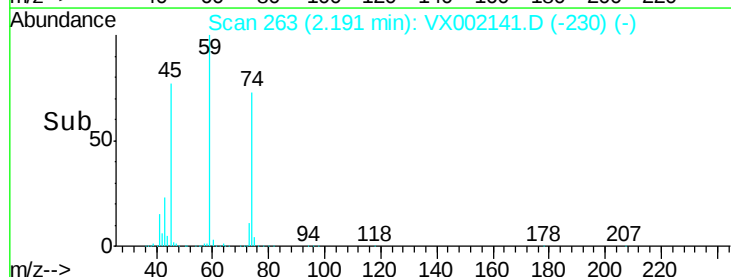
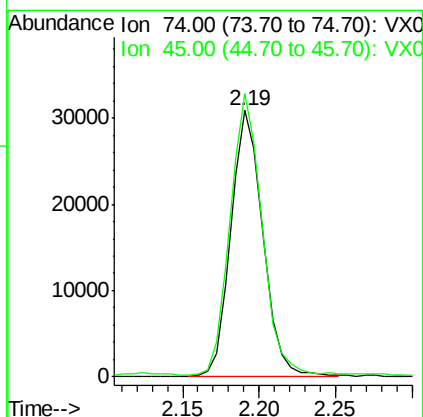
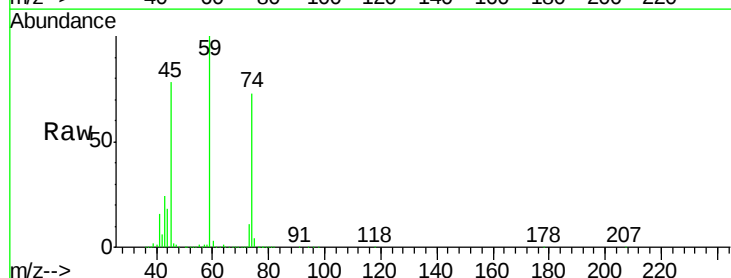
MMDadoda
 5/31/2018 3:07:45 PM

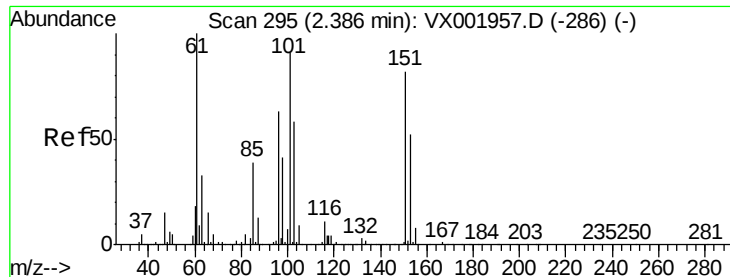


#8

Diethyl Ether
 Concen: 22.70 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002141.D
 Acq: 30 May 2018 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	44221		
45	106.5	20.5	184.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.82 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

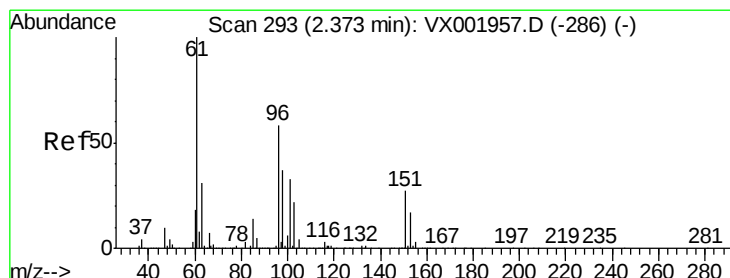
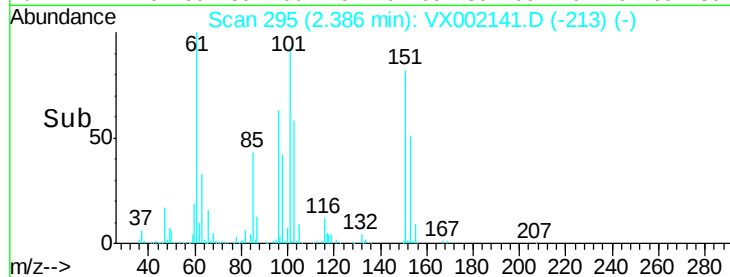
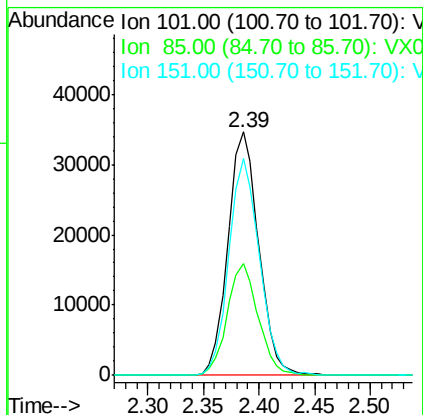
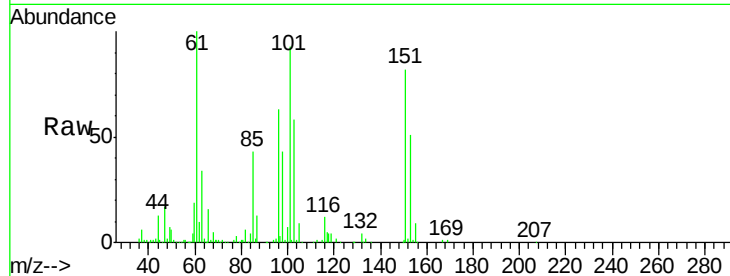
ClientSampleId :

VX0530WBS01

Tot Ion:	101	Resp:	66396
Ion Ratio	Lower	Upper	
101	100		
85	46.1	0.0	87.0
151	88.8	0.0	177.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 22.01 ug/l

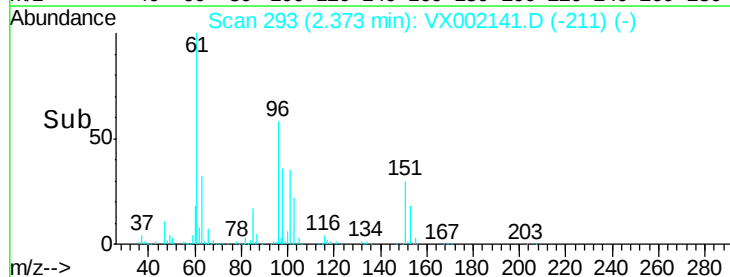
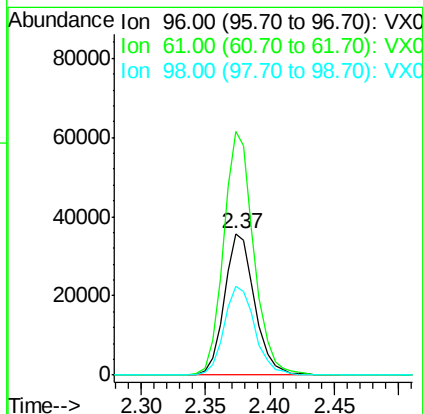
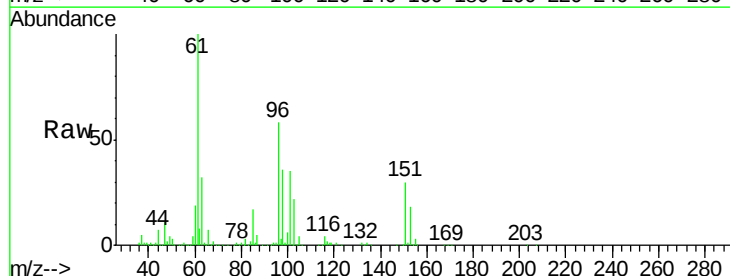
RT: 2.37 min Scan# 293

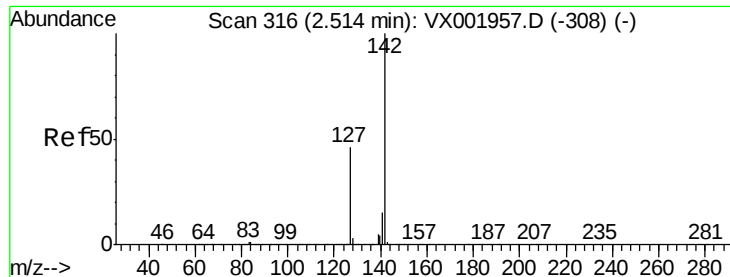
Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Tgt Ion:	96	Resp:	59154
Ion Ratio	Lower	Upper	
96	100		
61	171.9	137.5	206.3
98	62.3	51.4	77.2





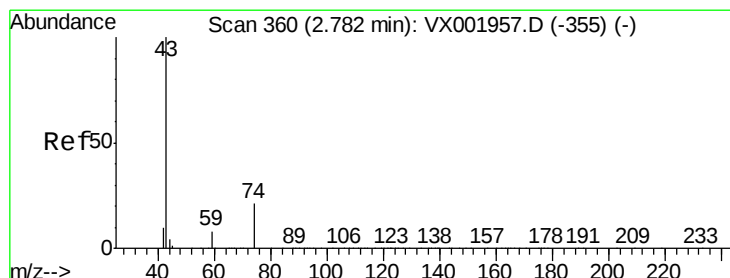
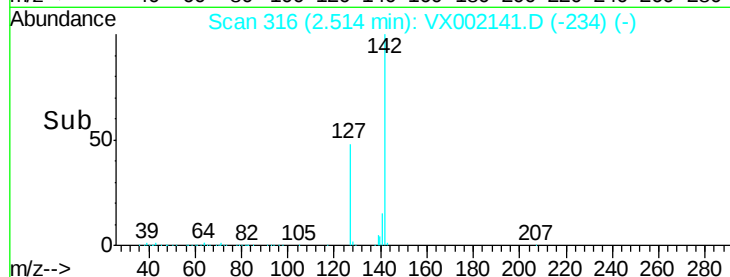
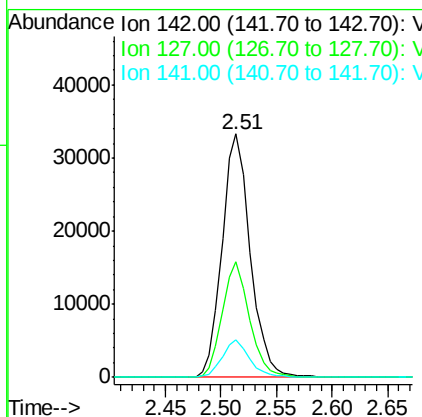
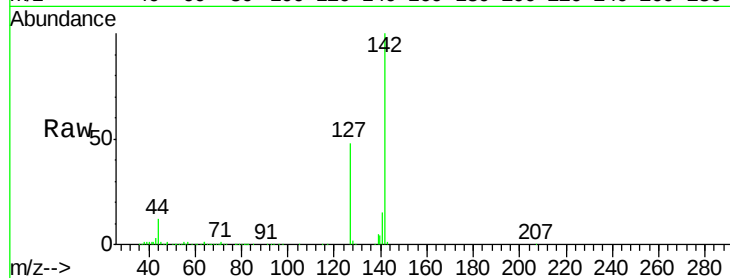
#11
Methyl Iodide
Concen: 13.86 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.6	23.2	69.6
141	15.3	7.4	22.2

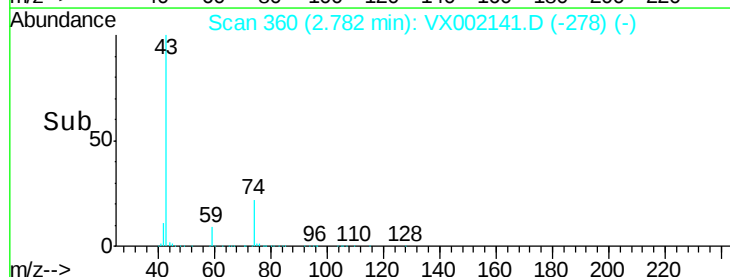
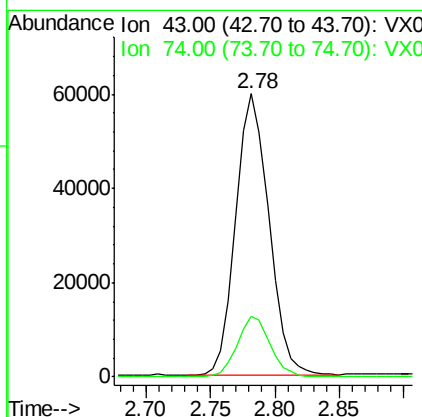
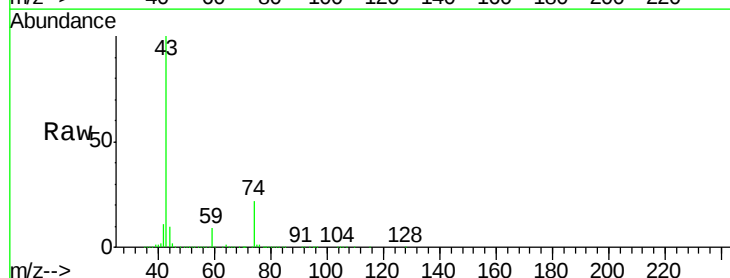
Manual Integrations
APPROVED

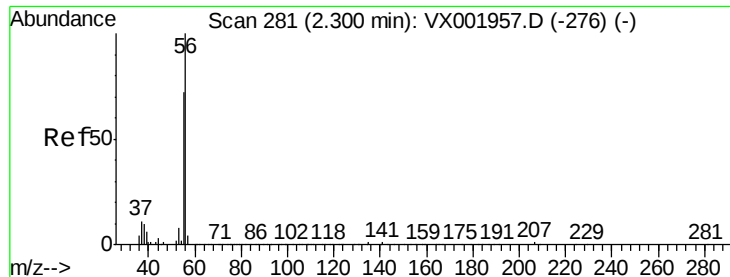
MMDadoda
5/31/2018 3:07:45 PM



#12
Methyl Acetate
Concen: 24.59 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	16.4	24.6





#13

Acrolein

Concen: 87.86 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion: 56 Resp: 32589

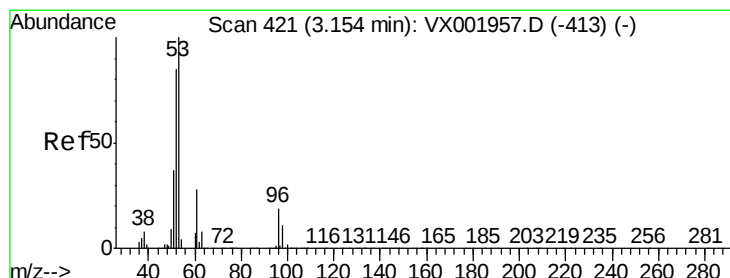
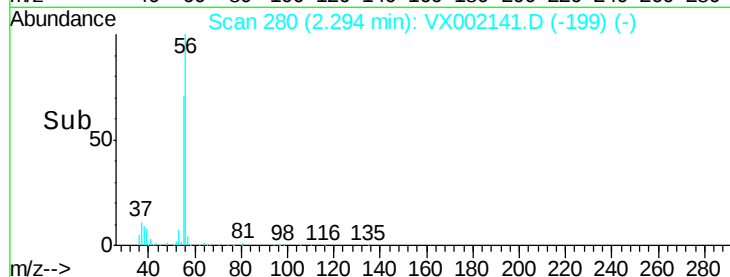
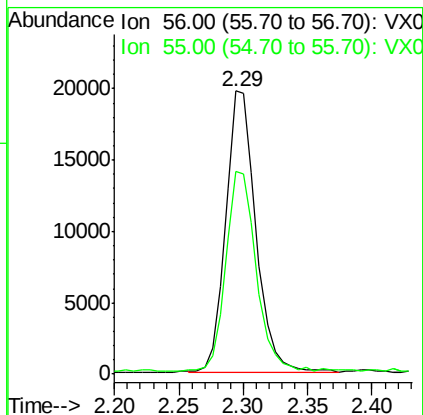
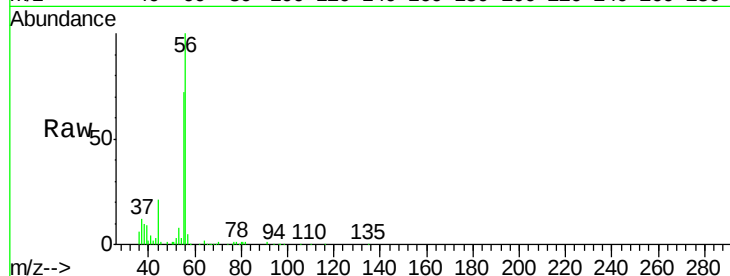
Ion Ratio Lower Upper

56 100

55 72.1 57.3 85.9

Manual Integrations
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#14

Acrylonitrile

Concen: 109.36 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

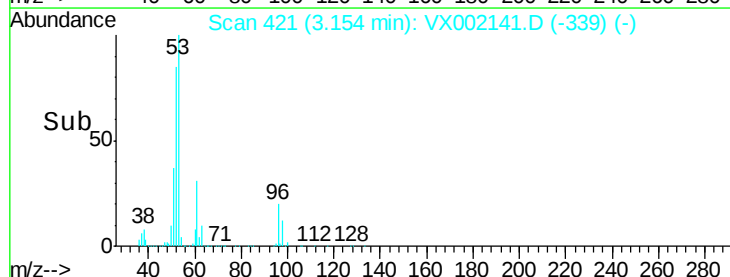
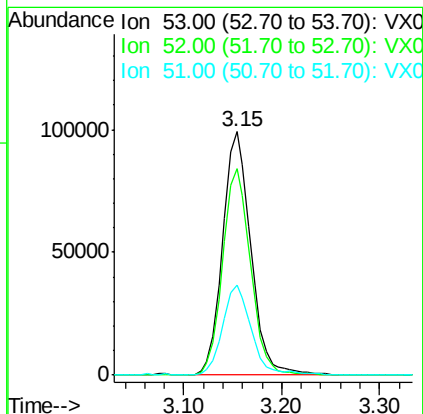
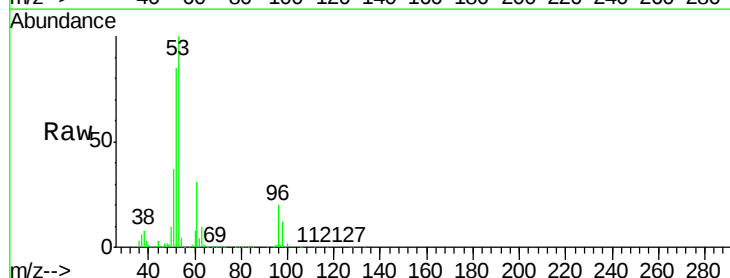
Tgt Ion: 53 Resp: 196010

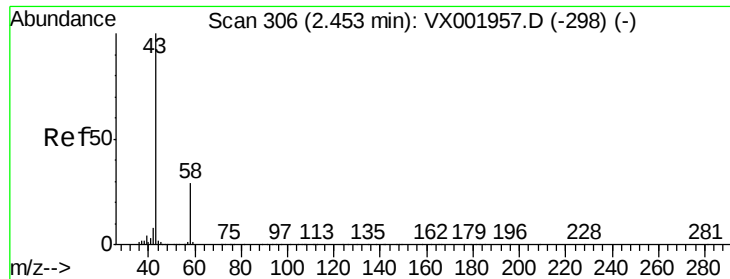
Ion Ratio Lower Upper

53 100

52 84.8 41.5 124.6

51 36.6 17.9 53.8





#15

Acetone

Concen: 115.47 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Tot Ion: 58 Resp: 55175

Ion Ratio Lower Upper

58 100

43 367.2 278.8 418.2

Instrument :

MSVOA_X

ClientSampleId :

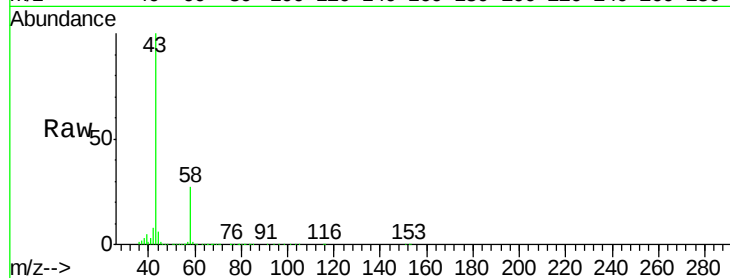
VX0530WBS01

Manual Integrations

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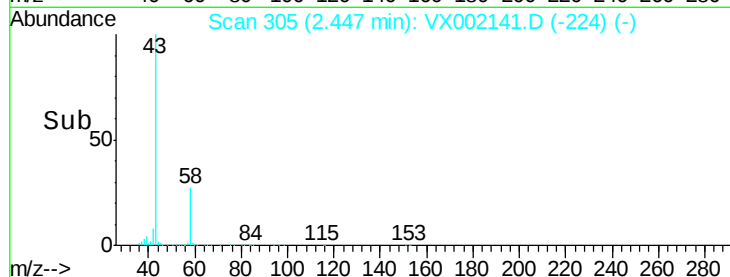
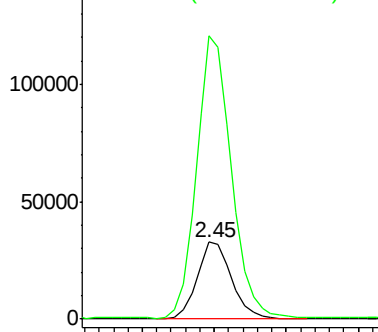
MMDadoda

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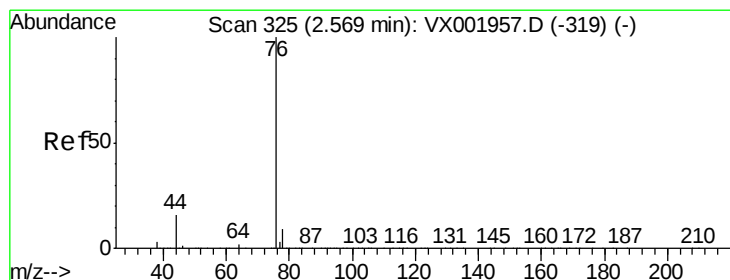


Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



Time-->



#16

Carbon Disulfide

Concen: 17.39 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX002141.D

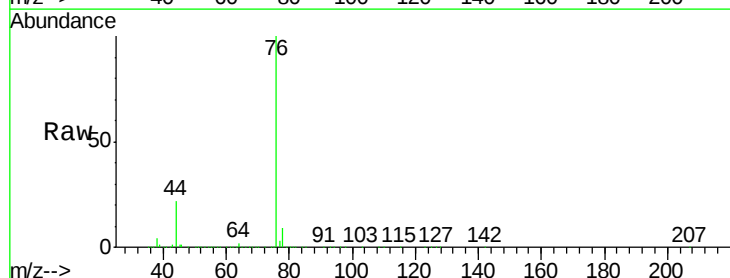
Acq: 30 May 2018 15:16

Tgt Ion: 76 Resp: 133507

Ion Ratio Lower Upper

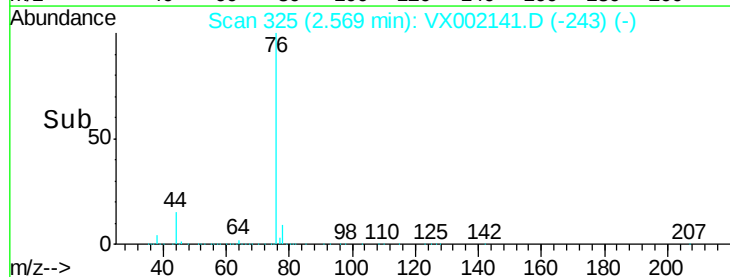
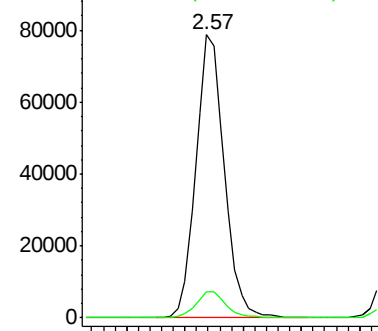
76 100

78 9.1 7.4 11.0

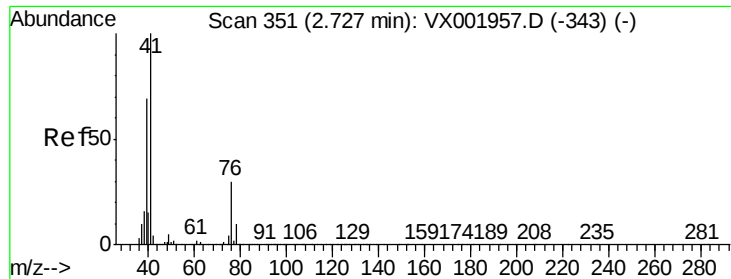


Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0



Time-->



#17

Allvl chloride

Concen: 23.17 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

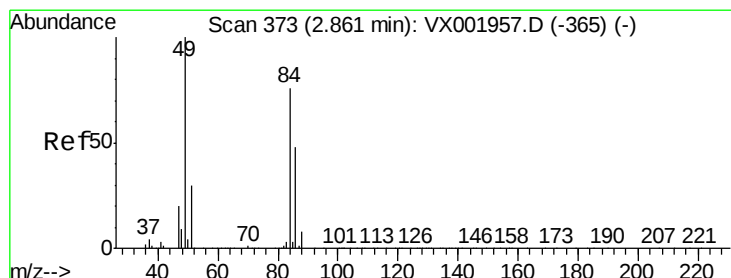
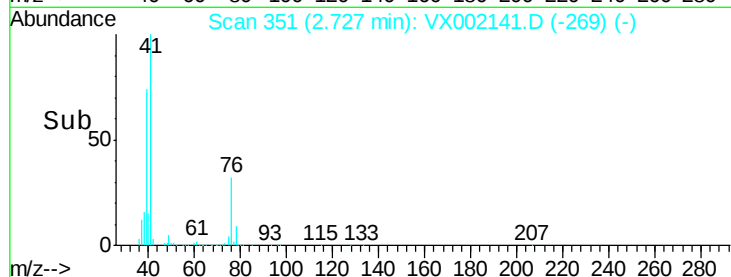
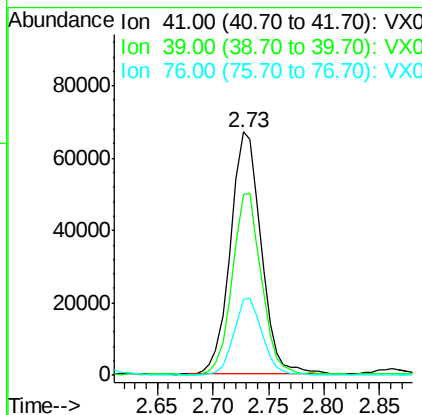
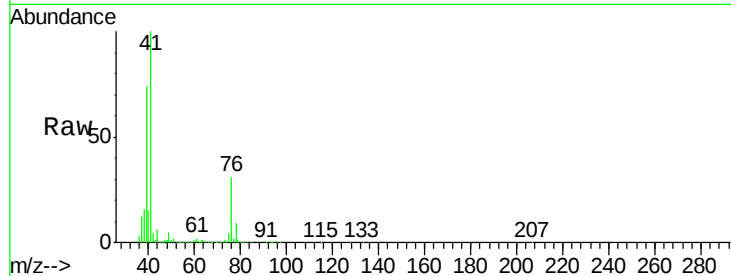
ClientSampleId :

VX0530WBS01

Tot Ion:	41	Resp:	128544
Ion	Ratio	Lower	Upper
41	100		
39	74.4	34.6	103.8
76	31.3	15.0	45.1

Manual Integrations
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#18

Methylene Chloride

Concen: 22.96 ug/l

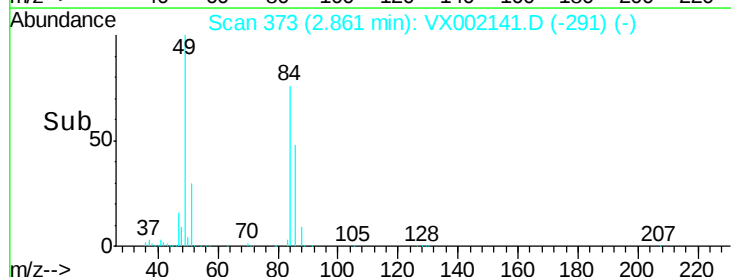
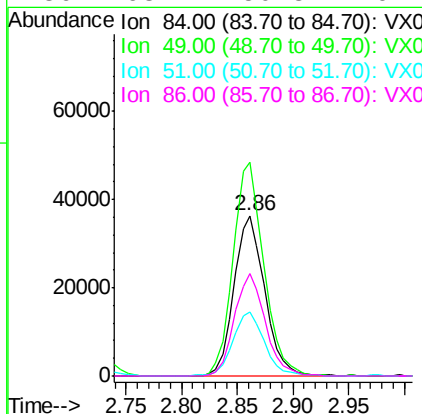
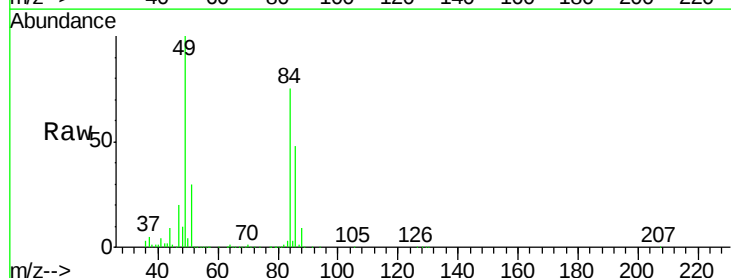
RT: 2.86 min Scan# 373

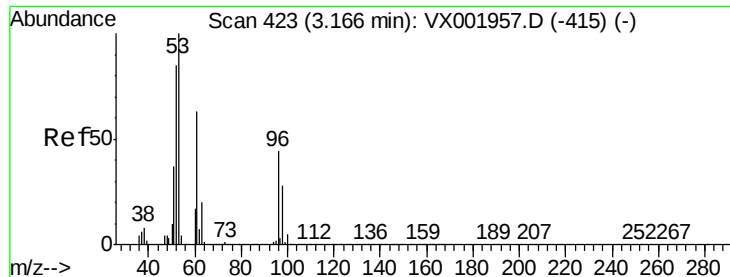
Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Tgt Ion:	84	Resp:	69354
Ion	Ratio	Lower	Upper
84	100		
49	133.2	104.7	157.1
51	39.7	31.0	46.4
86	63.7	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 22.21 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

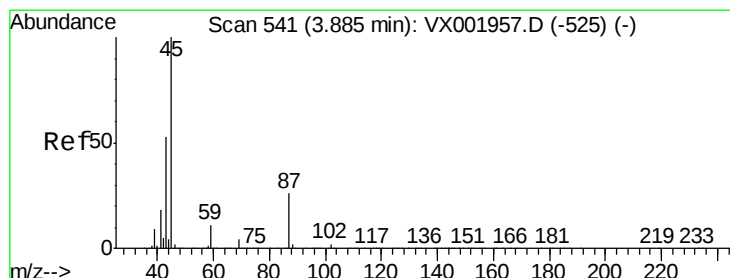
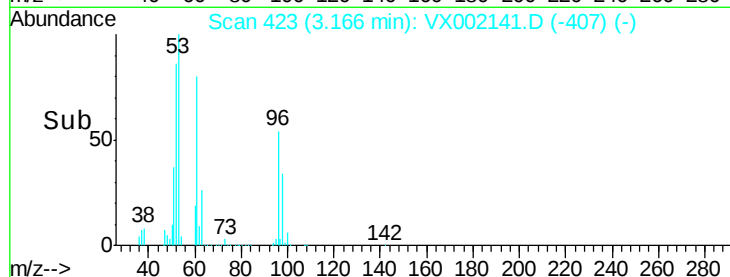
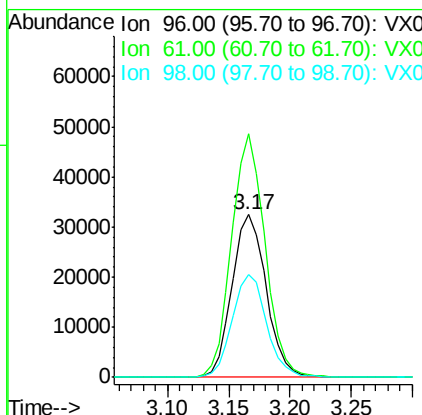
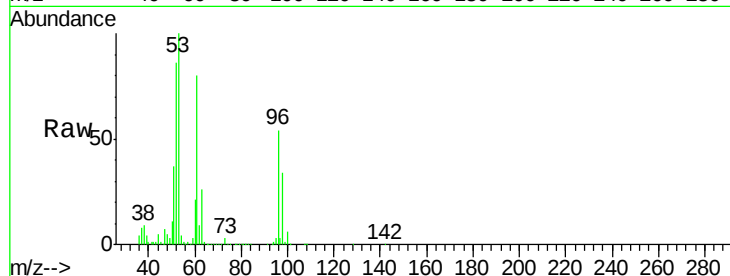
ClientSampleId :

VX0530WBS01

Tot Ion:	96	Resp:	63120
Ion	Ratio	Lower	Upper
96	100		
61	149.6	114.6	172.0
98	63.3	51.3	76.9

Manual Integrations
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#20

Diisopropyl ether

Concen: 21.74 ug/l

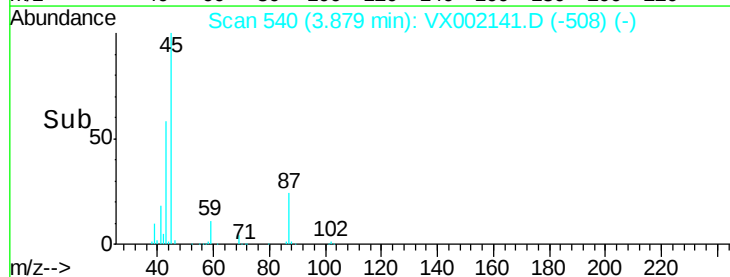
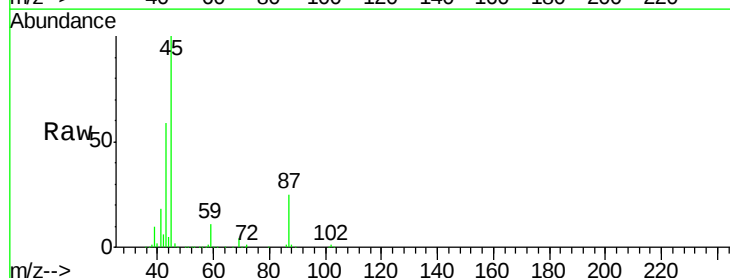
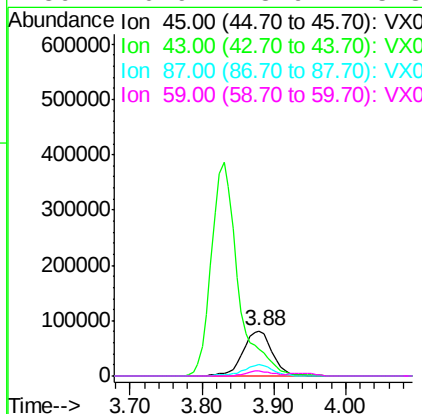
RT: 3.88 min Scan# 540

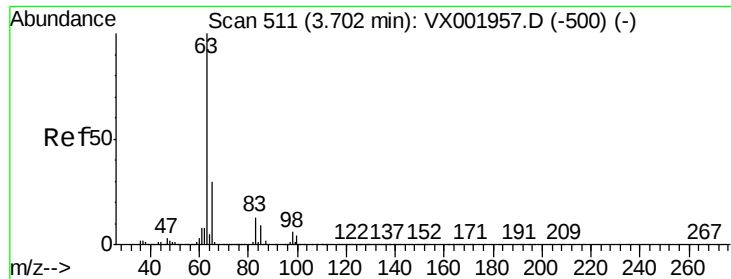
Delta R.T. -0.01 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Tgt Ion:	45	Resp:	230234
Ion	Ratio	Lower	Upper
45	100		
43	58.0	45.6	68.4
87	24.8	20.7	31.1
59	10.9	8.9	13.3





#21

1,1-Dichloroethane

Concen: 23.04 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

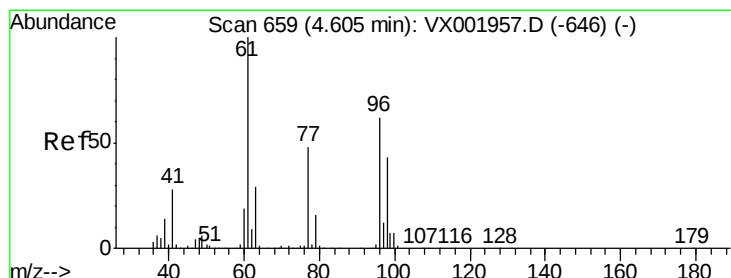
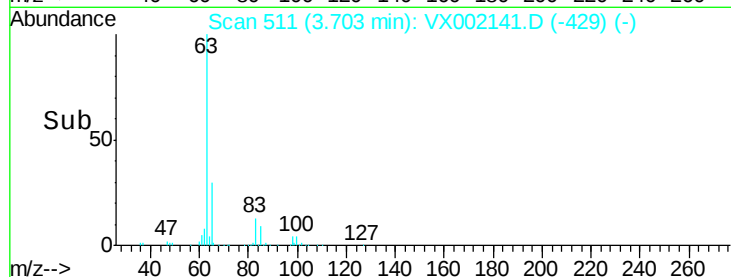
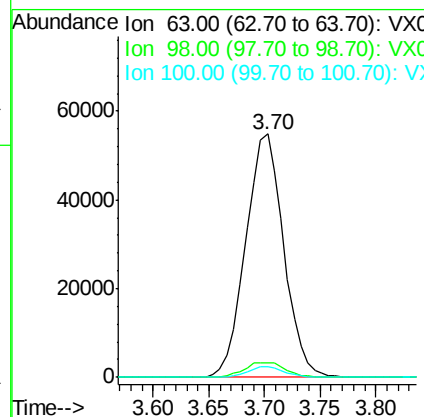
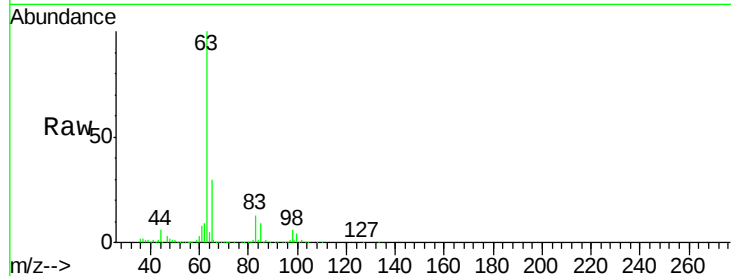
ClientSampleId :

VX0530WBS01

Tot Ion:	63	Resp:	129888
Ion Ratio	Lower	Upper	
63	100		
98	6.0	3.1	9.3
100	4.2	2.2	6.6

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 20.15 ug/l

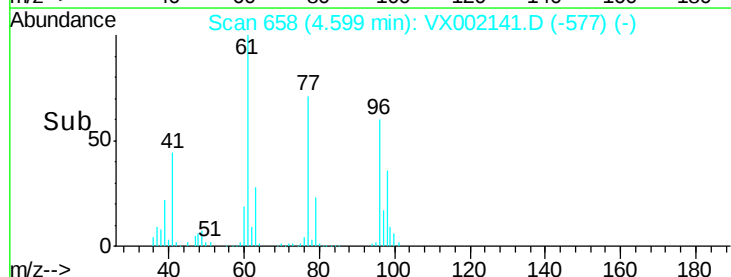
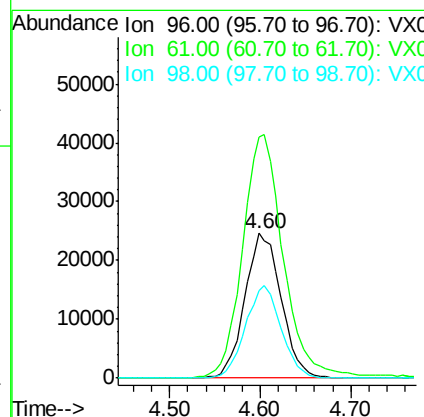
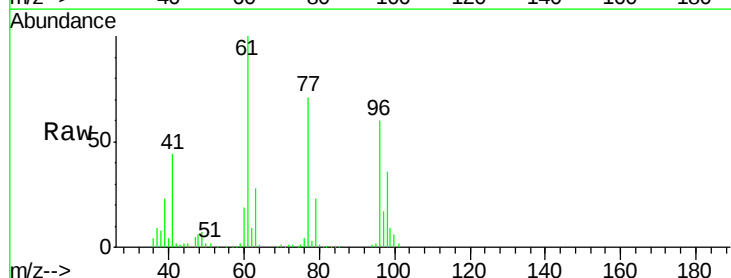
RT: 4.60 min Scan# 658

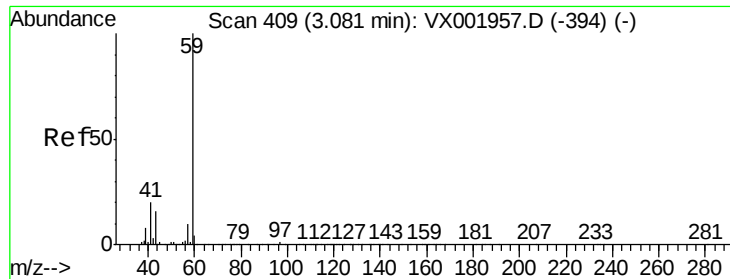
Delta R.T. -0.01 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Tgt Ion:	96	Resp:	68272
Ion Ratio	Lower	Upper	
96	100		
61	189.6	160.2	240.2
98	63.0	54.1	81.1





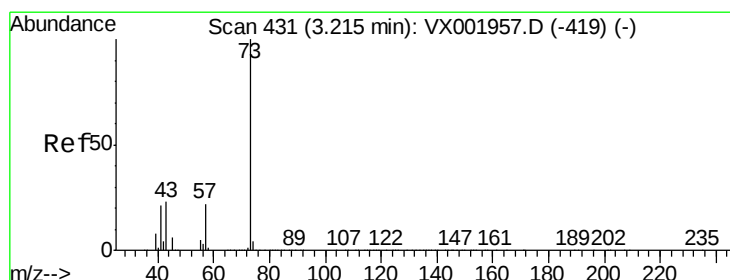
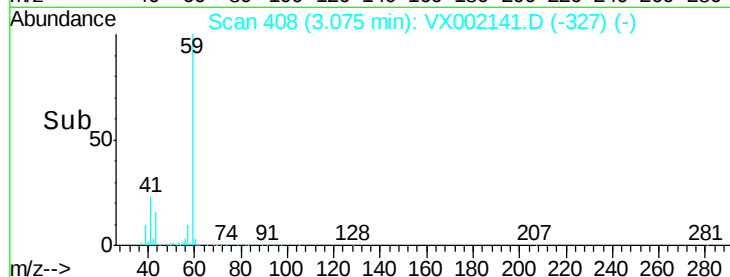
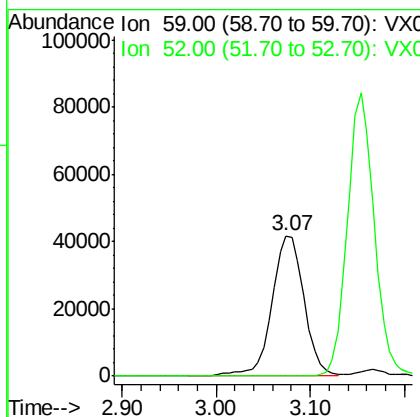
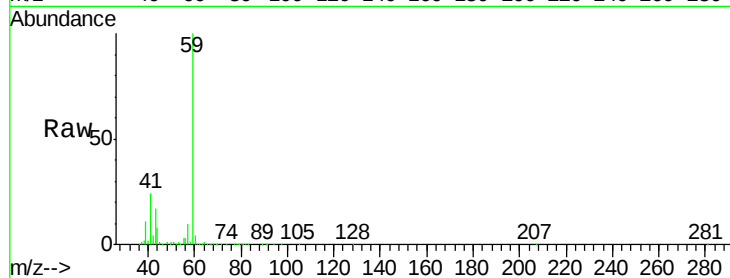
#23
tert-Butyl Alcohol
Concen: 106.42 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion: 59 Resp: 98933
Ion Ratio Lower Upper
59 100
52 0.3 0.2 0.2#

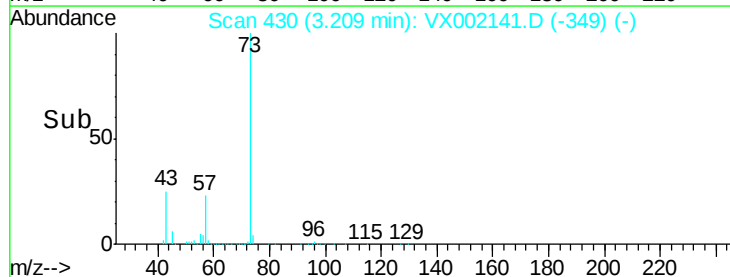
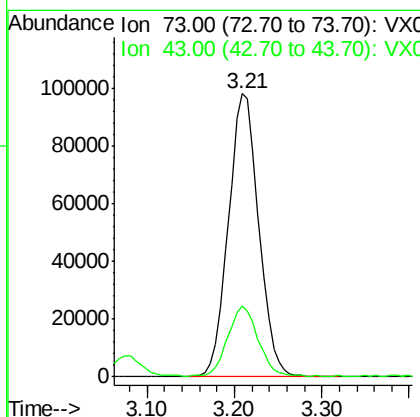
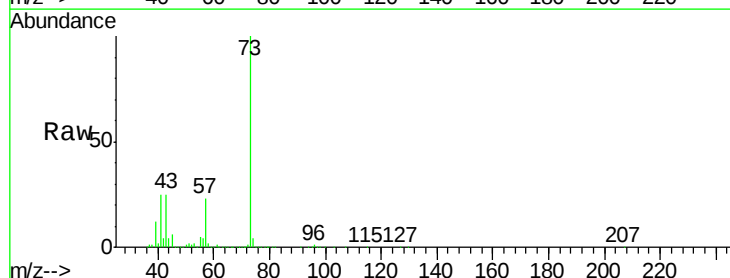
Manual Integrations
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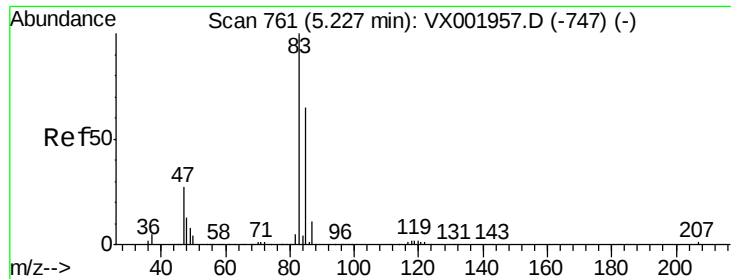
MMDadoda
5/31/2018 3:07:45 PM



#24
Methyl tert-Butyl Ether
Concen: 22.59 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Tgt Ion: 73 Resp: 237031
Ion Ratio Lower Upper
73 100
43 24.5 19.0 28.4





#25

Chloroform

Concen: 20.69 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.01 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion: 83 Resp: 122670

Ion Ratio Lower Upper

83 100

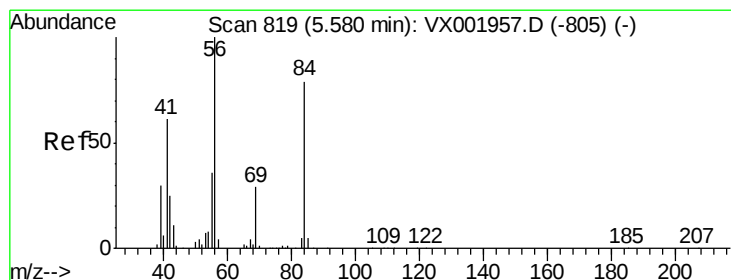
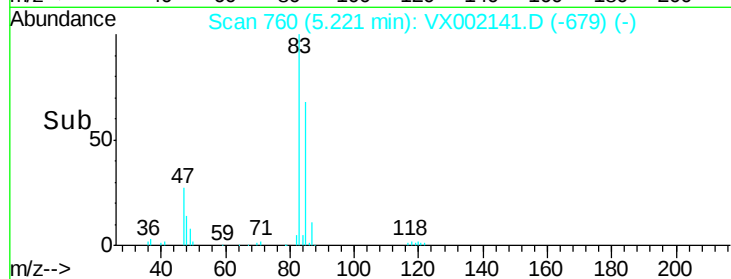
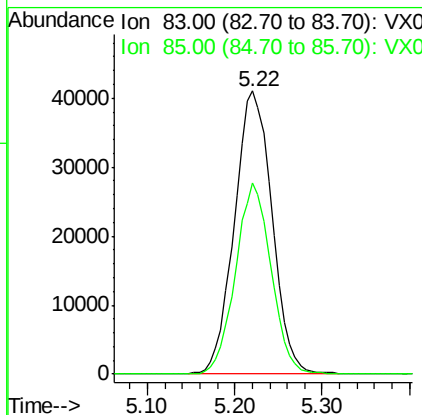
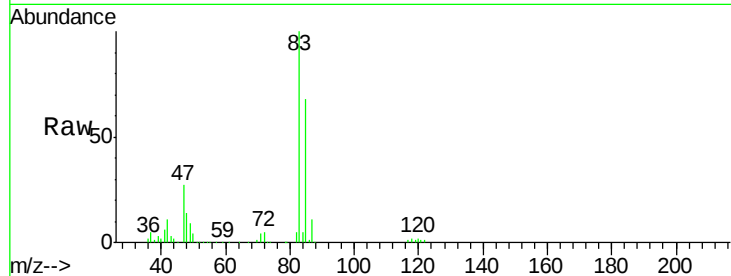
85 67.6 51.9 77.9

Manual Integrations

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MMDadoda

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#26

Cyclohexane

Concen: 20.01 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

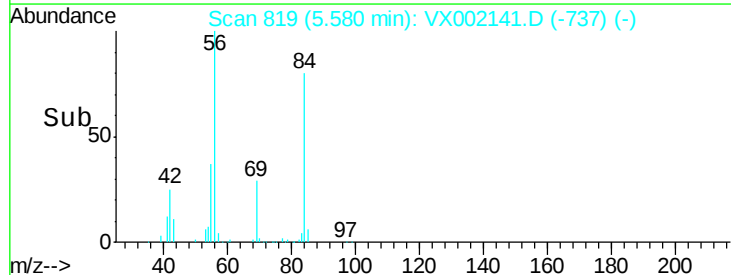
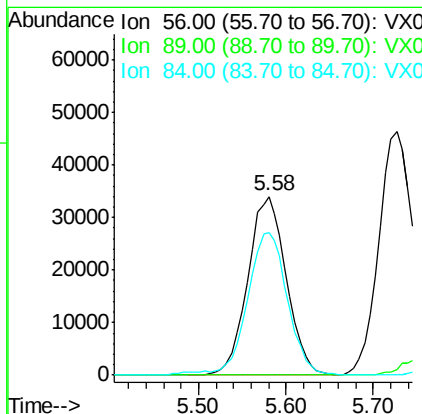
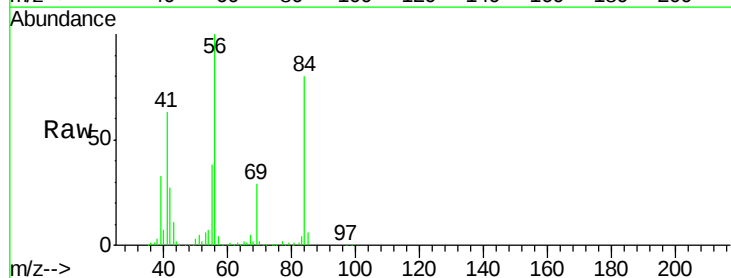
Tgt Ion: 56 Resp: 103851

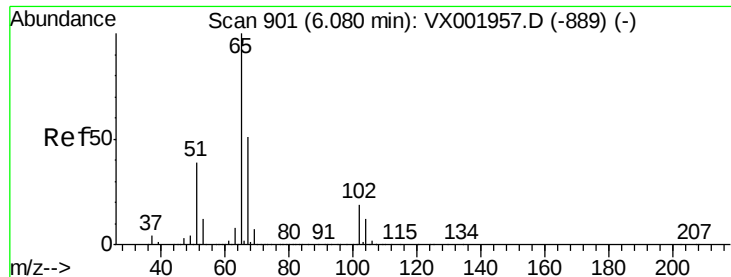
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 81.8 64.9 97.3





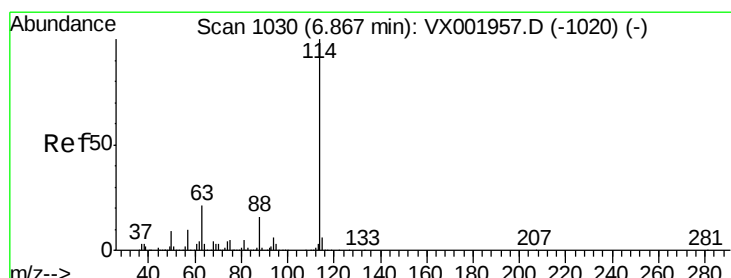
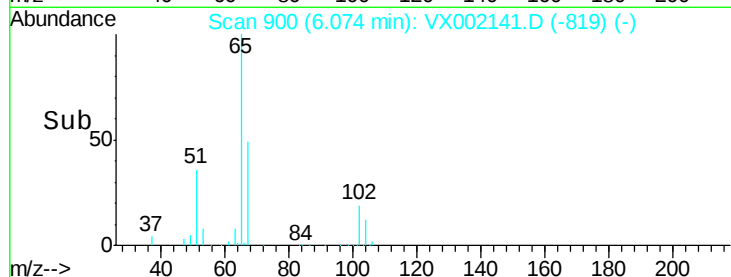
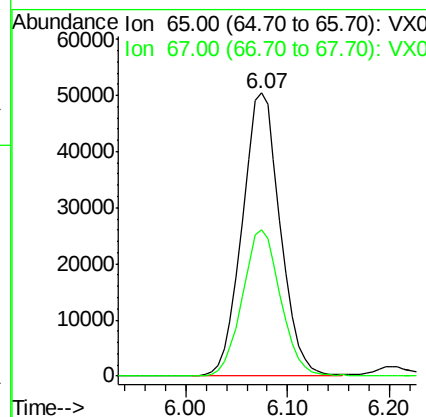
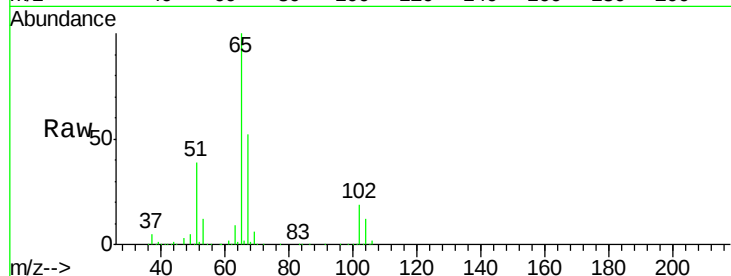
#27
 1,2-Dichloroethane-d4
 Concen: 30.65 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX002141.D
 Acq: 30 May 2018 15:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	130280		
67	51.8	40.9	61.3	

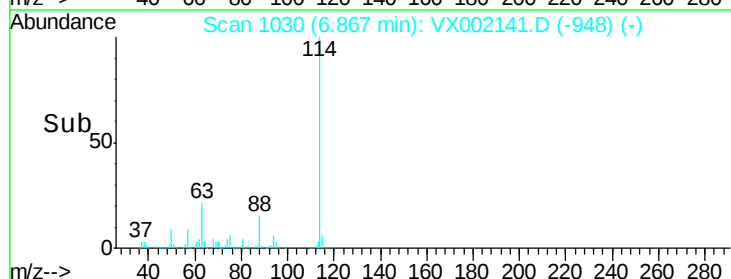
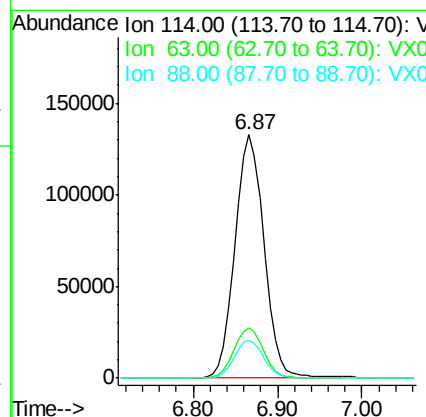
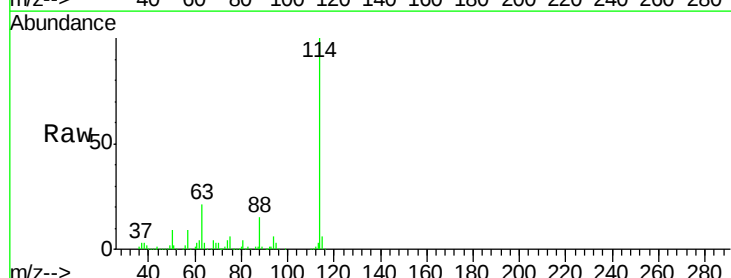
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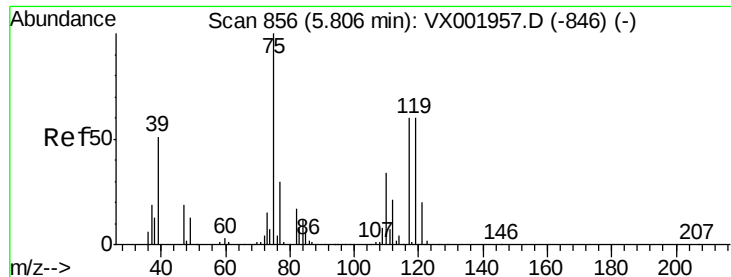
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002141.D
 Acq: 30 May 2018 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	310957		
63	21.0	17.1	25.7	
88	15.4	12.6	19.0	





#29

1,1-Dichloropropene

Concen: 19.41 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.01 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

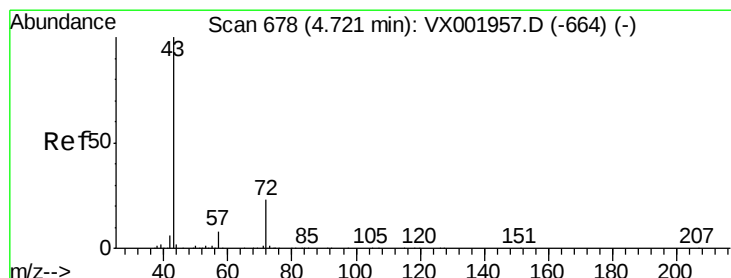
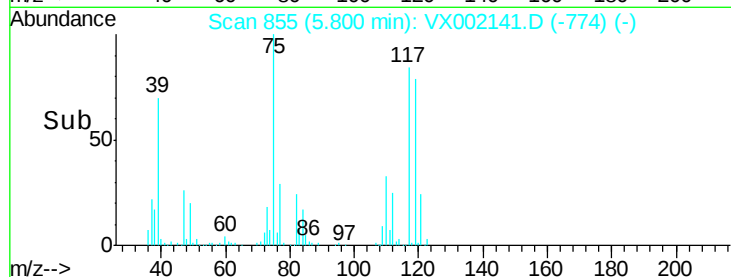
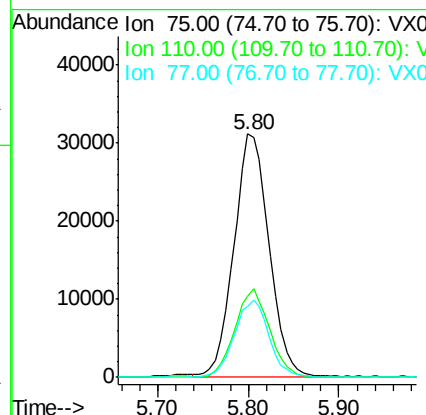
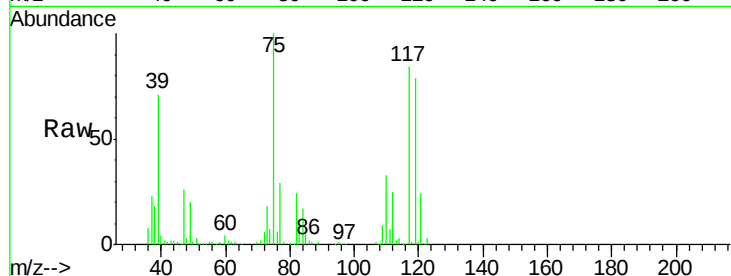
ClientSampleId :

VX0530WBS01

Tot Ion:	75	Resp:	84445
Ion Ratio	Lower	Upper	
75	100		
110	35.6	0.0	71.4
77	31.0	0.0	60.6

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#30

2-Butanone

Concen: 94.35 ug/l

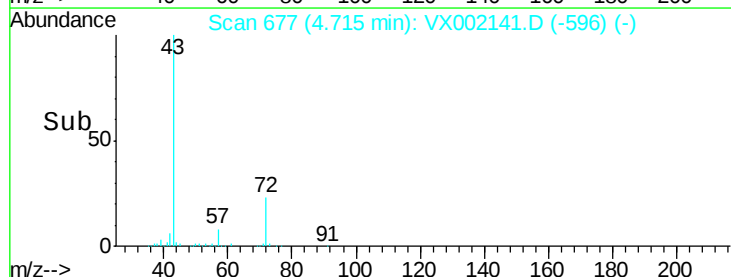
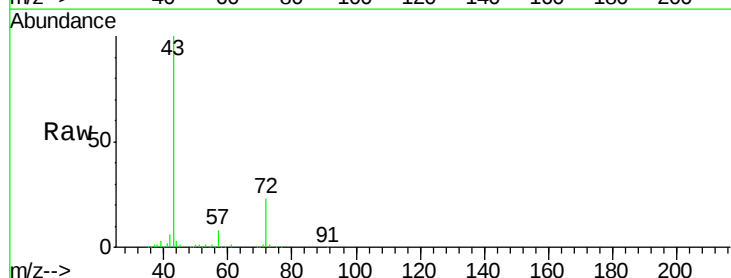
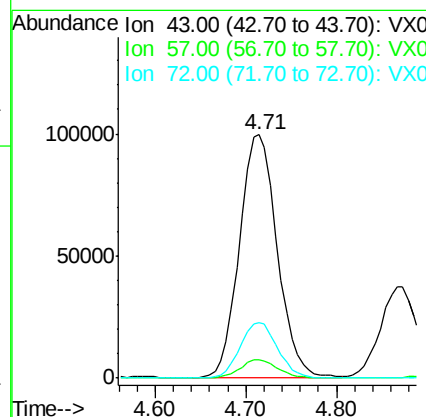
RT: 4.71 min Scan# 677

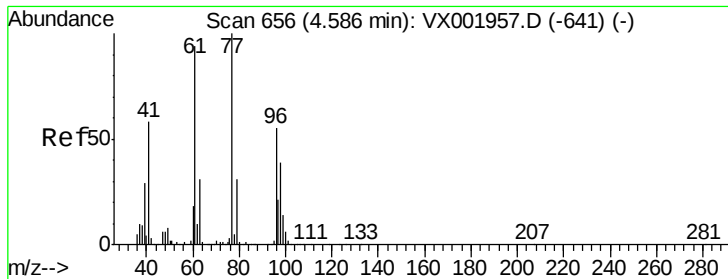
Delta R.T. -0.01 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Tgt Ion:	43	Resp:	286301
Ion Ratio	Lower	Upper	
43	100		
57	7.2	6.1	9.1
72	22.8	18.1	27.1





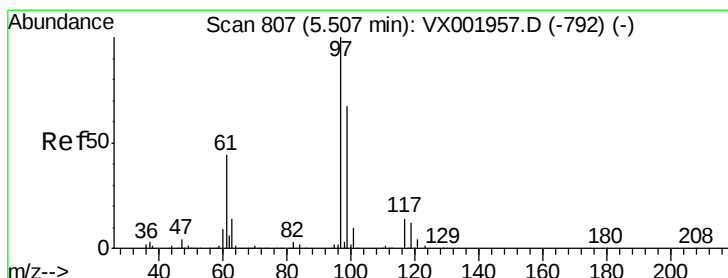
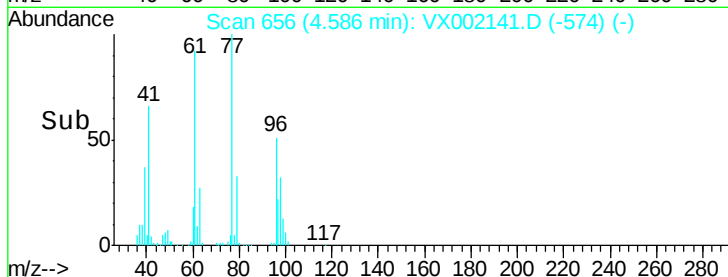
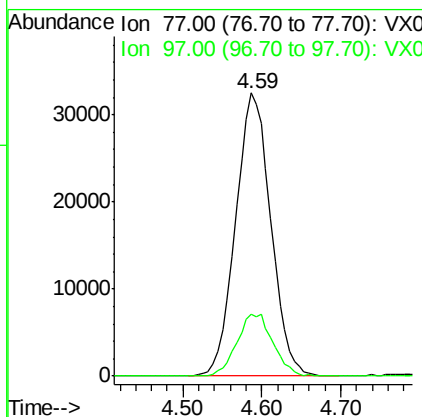
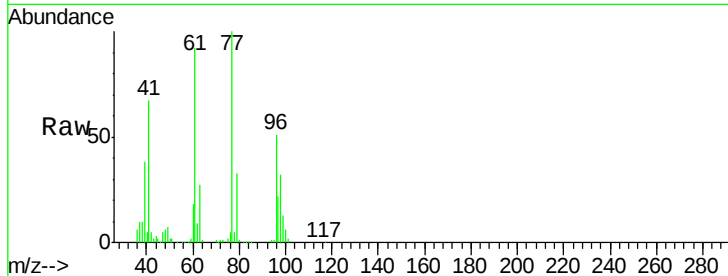
#31
 2,2-Dichloropropane
 Concen: 26.39 ug/l
 RT: 4.59 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VX002141.D
 Acq: 30 May 2018 15:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

Tot Ion	Ratio	Lower	Upper
77	100		
97	22.4	18.7	28.1

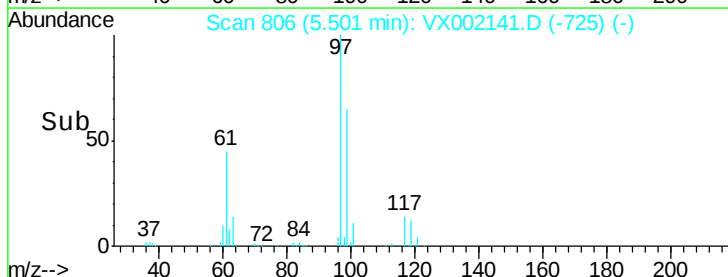
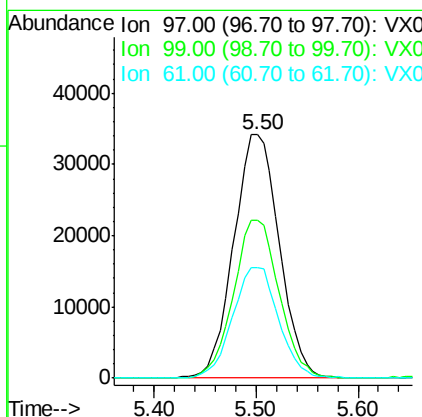
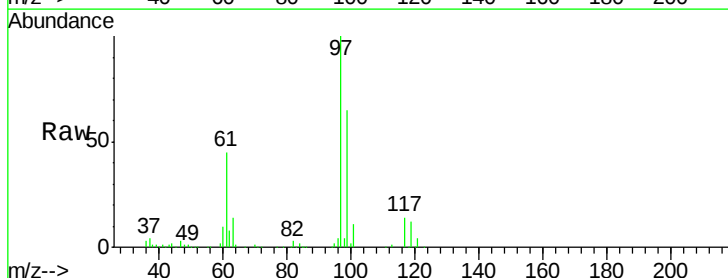
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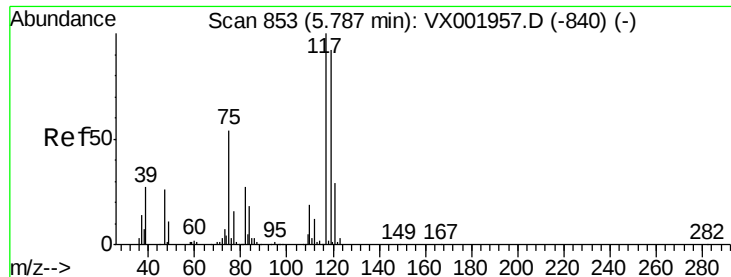
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#32
 1,1,1-Trichloroethane
 Concen: 18.67 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX002141.D
 Acq: 30 May 2018 15:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.7	77.5
61	45.8	36.4	54.6





#33

Carbon Tetrachloride

Concen: 17.71 ug/l

RT: 5.79 min Scan# 853

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

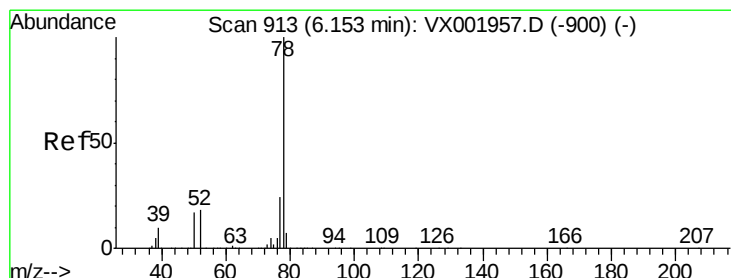
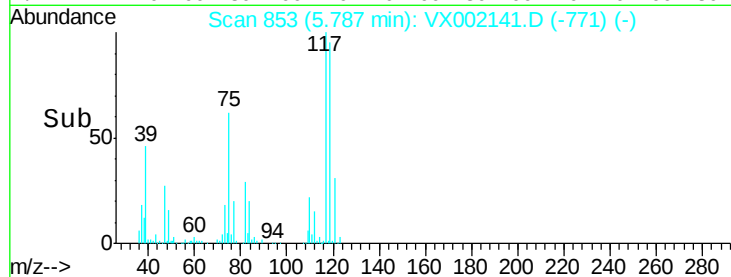
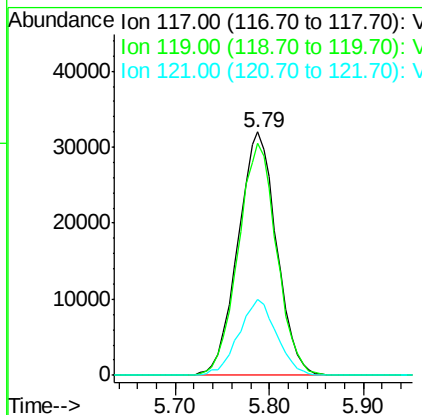
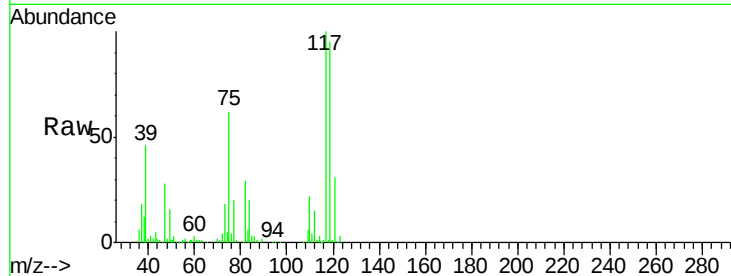
ClientSampleId :

VX0530WBS01

Tot Ion:	117	Resp:	91452
Ion	Ratio	Lower	Upper
117	100		
119	95.4	73.3	109.9
121	30.9	23.6	35.4

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#34

Benzene

Concen: 19.64 ug/l

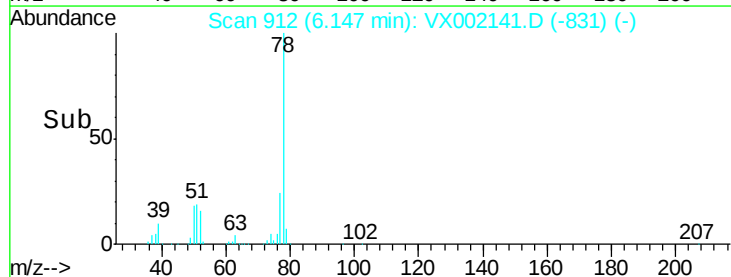
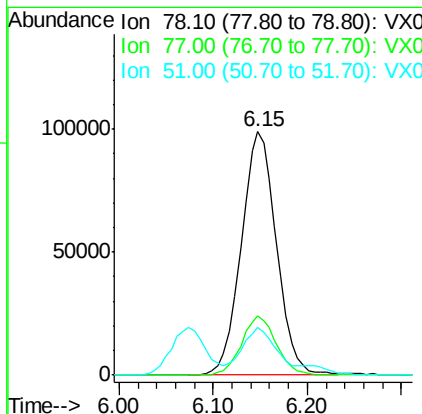
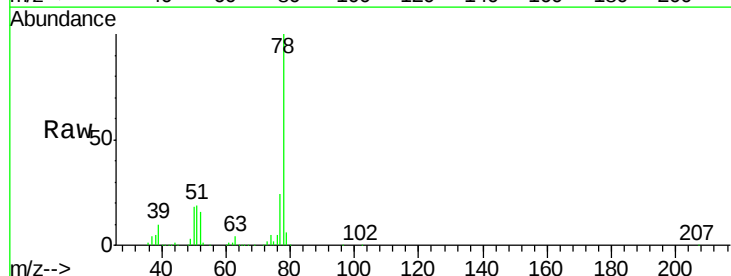
RT: 6.15 min Scan# 912

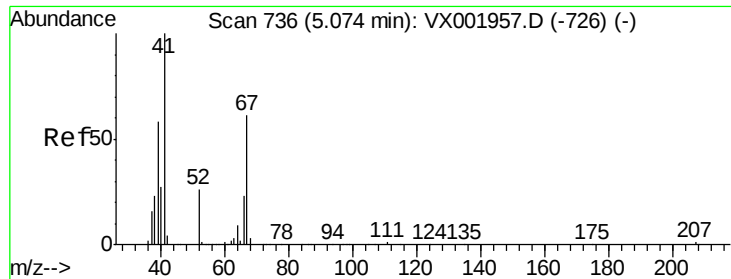
Delta R.T. -0.01 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Tgt Ion:	78	Resp:	257969
Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.0
51	18.4	13.8	20.6





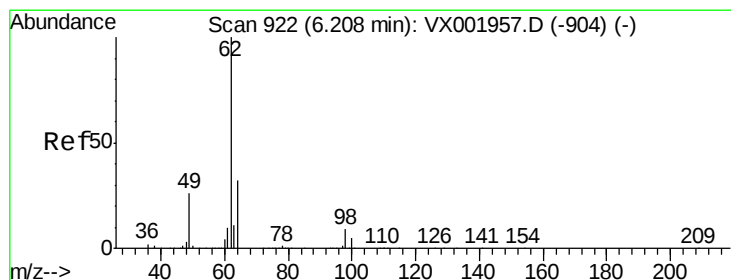
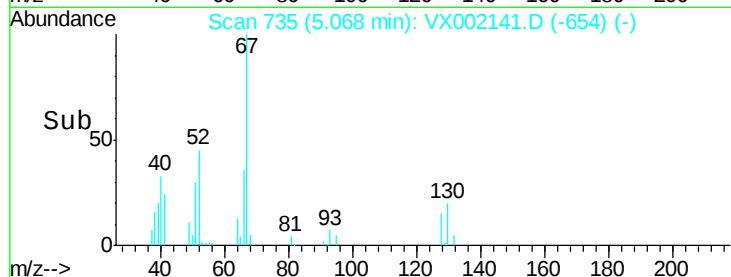
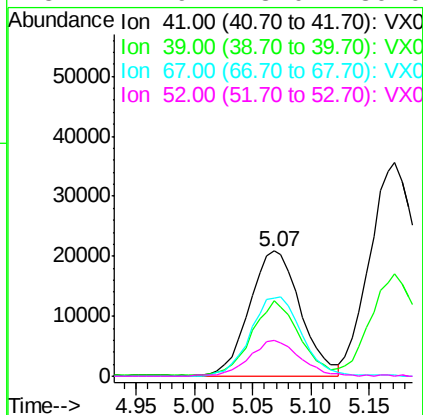
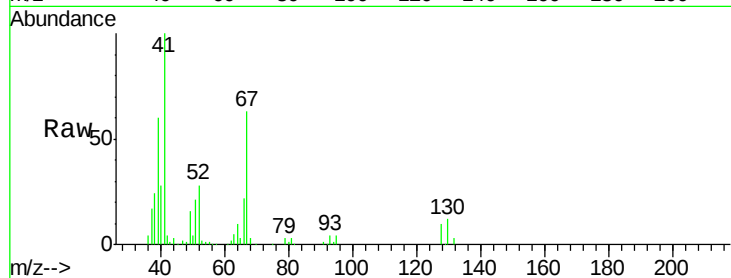
#35
Methacrylonitrile
Concen: 18.81 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	41	Resp:	63201
Ion Ratio	Lower	Upper	
41	100		
39	59.5	28.8	86.5
67	62.9	30.4	91.2
52	27.9	13.0	39.0

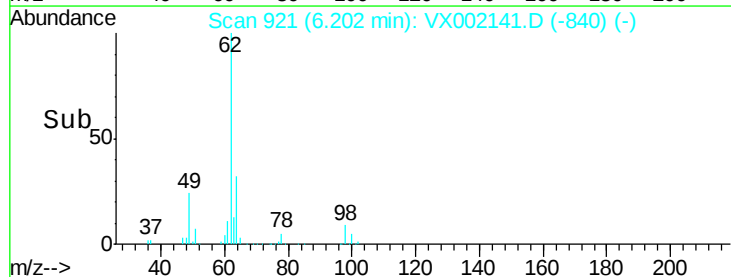
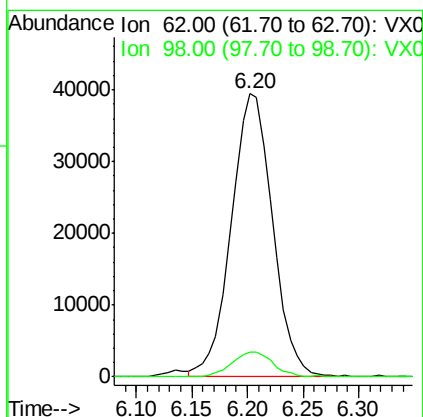
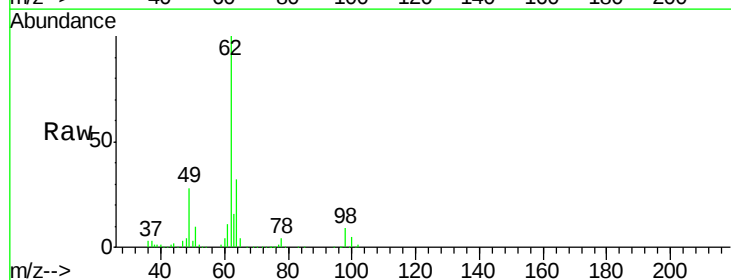
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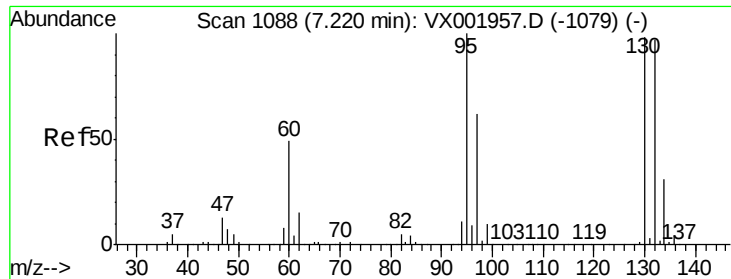
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.71 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Tgt Ion	62	Resp:	100889
Ion Ratio	Lower	Upper	
62	100		
98	8.9	6.5	9.7





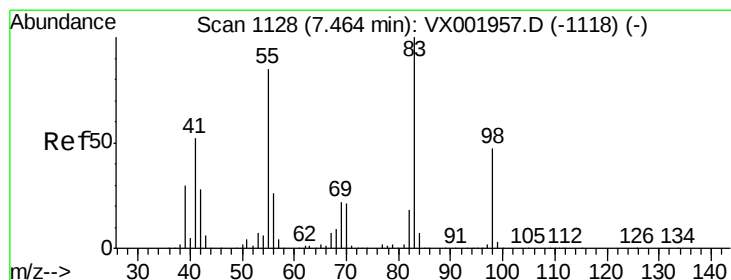
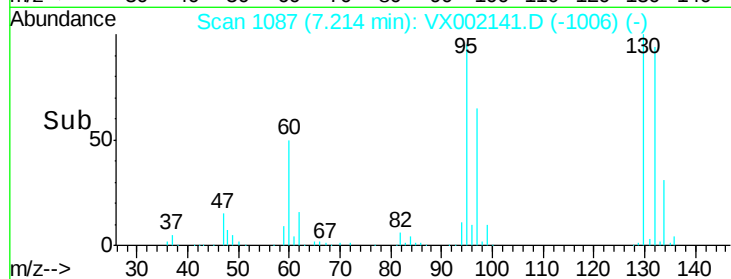
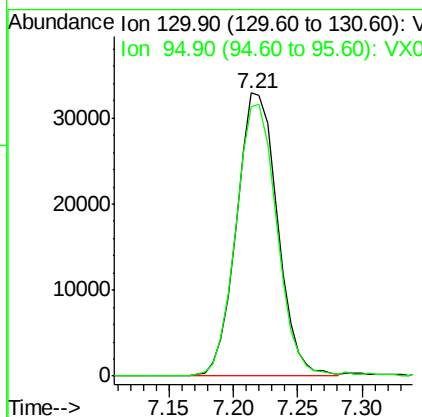
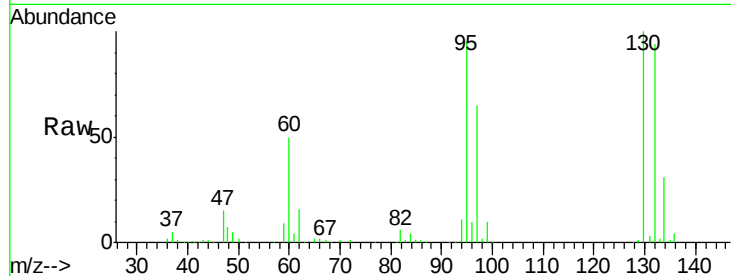
#37
 Trichloroethene
 Concen: 19.44 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002141.D
 Acq: 30 May 2018 15:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

Tot Ion:130 Resp: 72455
 Ion Ratio Lower Upper
 130 100
 95 95.0 81.5 122.3

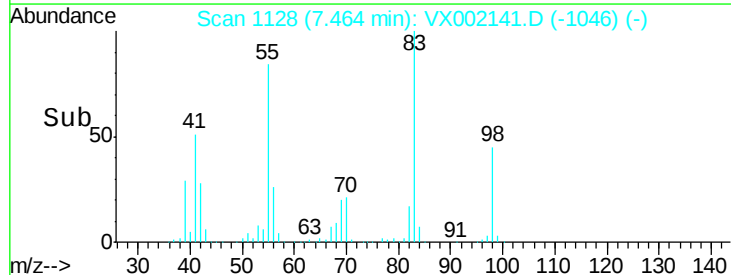
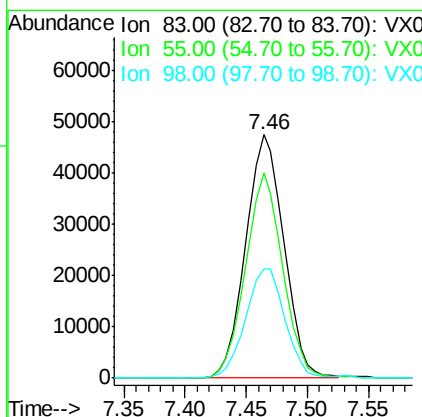
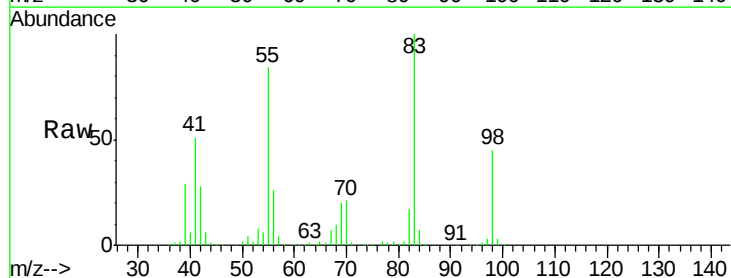
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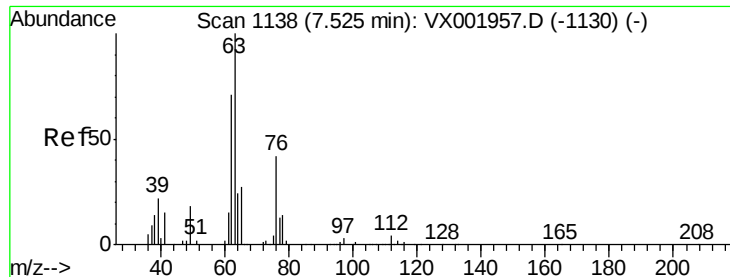
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#38
 Methylcyclohexane
 Concen: 20.38 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX002141.D
 Acq: 30 May 2018 15:16

Tgt Ion: 83 Resp: 103449
 Ion Ratio Lower Upper
 83 100
 55 81.8 40.6 121.8
 98 46.5 23.5 70.5





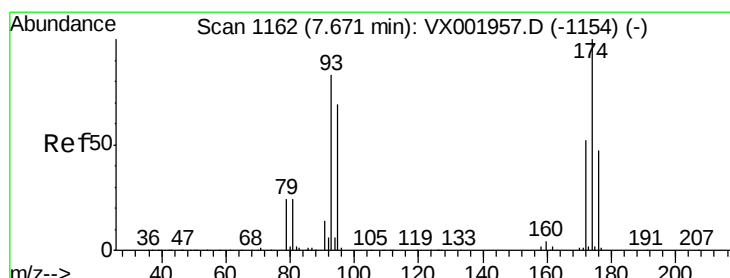
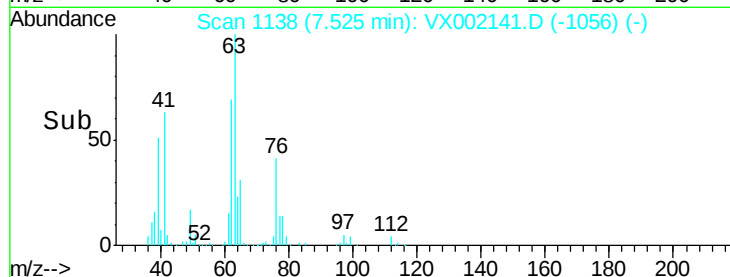
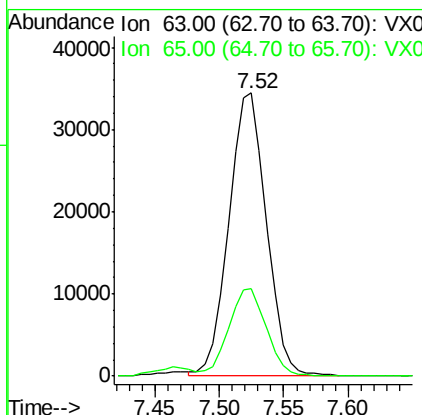
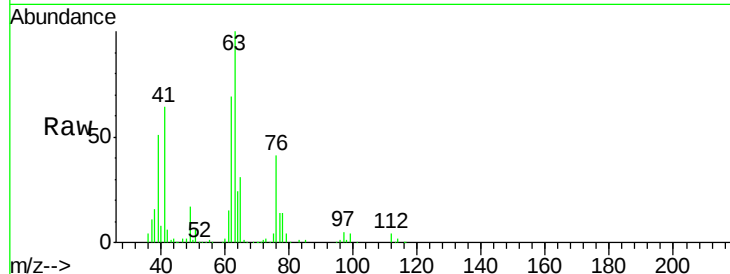
#39
 1,2-Dichloropropane
 Concen: 19.72 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX002141.D
 Acq: 30 May 2018 15:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

Tot Ion: 63 Resp: 70040
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.3 34.9

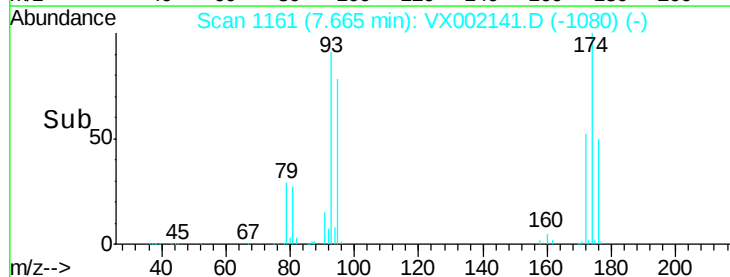
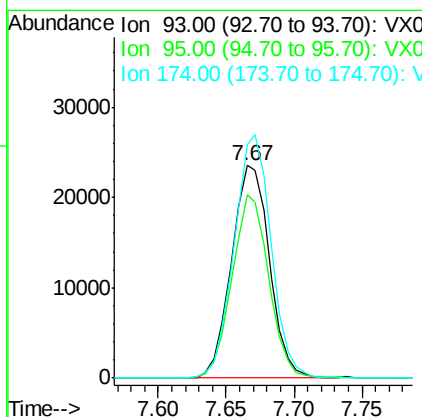
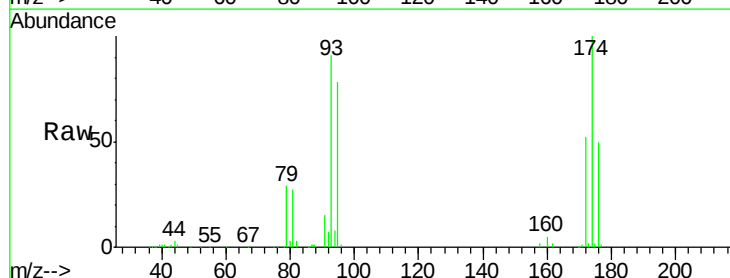
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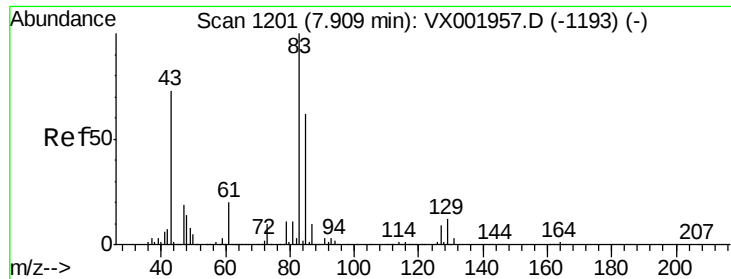
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 5/31/2018 3:07:45 PM



#40
 Dibromomethane
 Concen: 19.22 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: VX002141.D
 Acq: 30 May 2018 15:16

Tgt Ion: 93 Resp: 45814
 Ion Ratio Lower Upper
 93 100
 95 83.3 0.0 162.6
 174 111.9 0.0 229.4





#41

Bromodichloromethane

Concen: 17.31 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

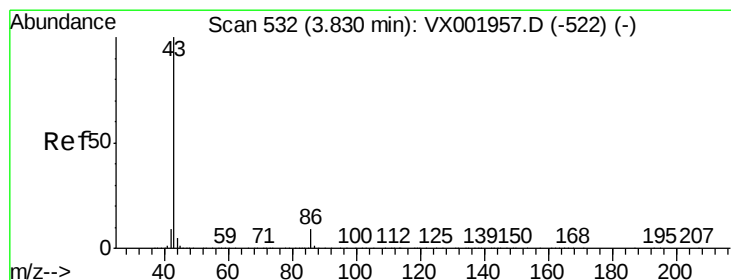
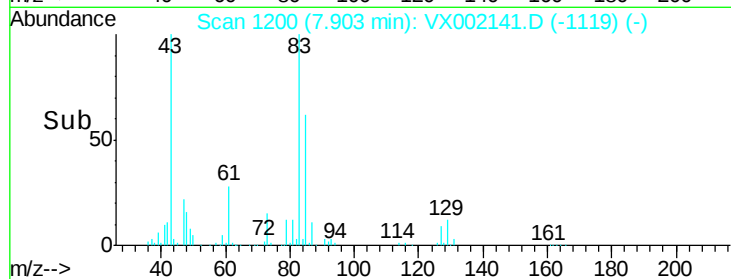
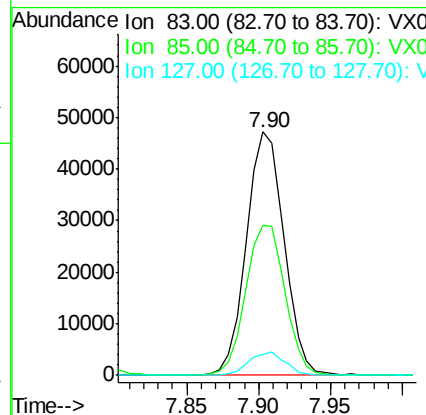
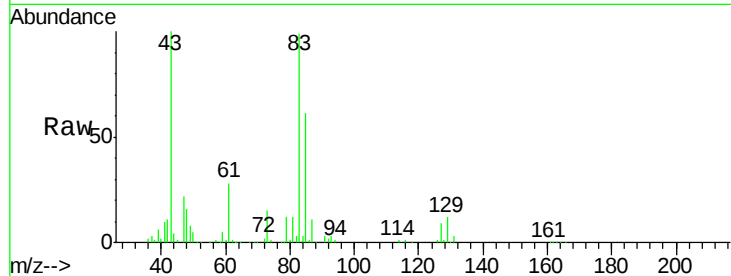
ClientSampleId :

VX0530WBS01

Tot Ion:	83	Resp:	85563
Ion	Ratio	Lower	Upper
83	100		
85	61.5	49.8	74.8
127	8.6	7.3	10.9

Manual Integrations
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#42

Vinyl Acetate

Concen: 104.26 ug/l

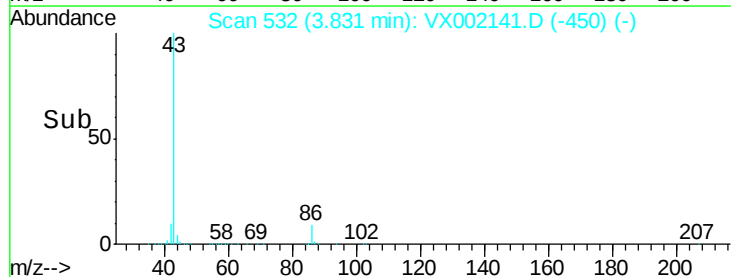
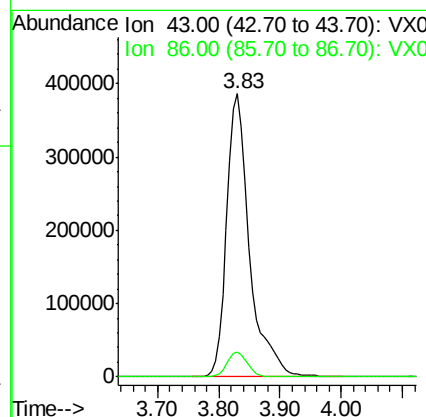
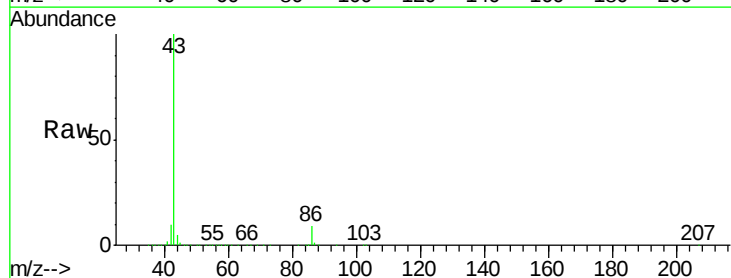
RT: 3.83 min Scan# 532

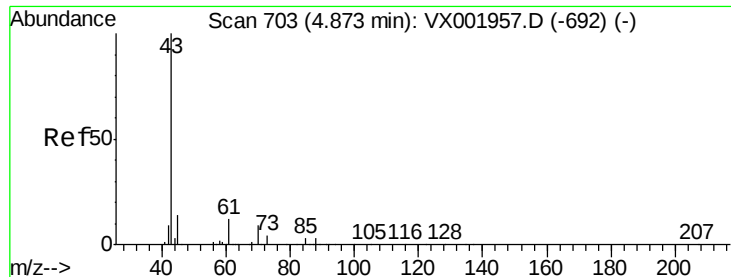
Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Tgt Ion:	43	Resp:	1001003
Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.7	10.1





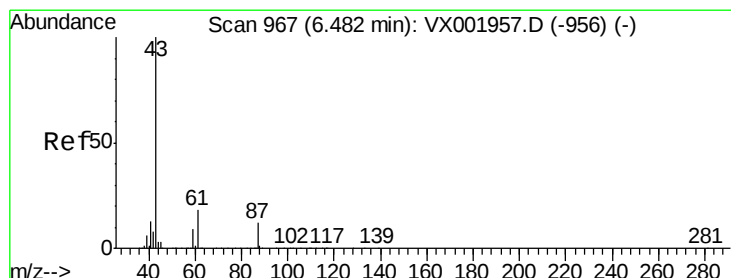
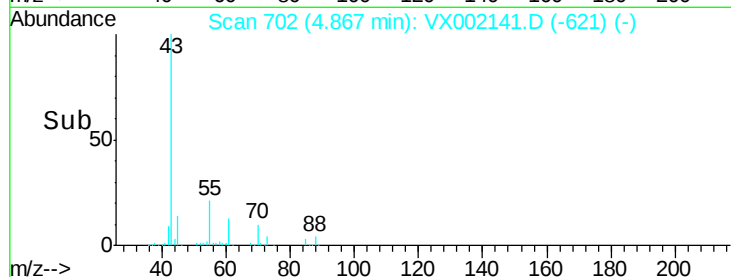
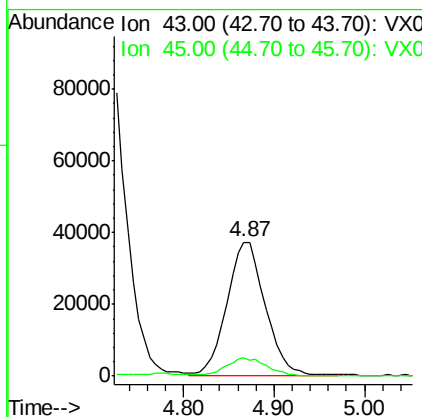
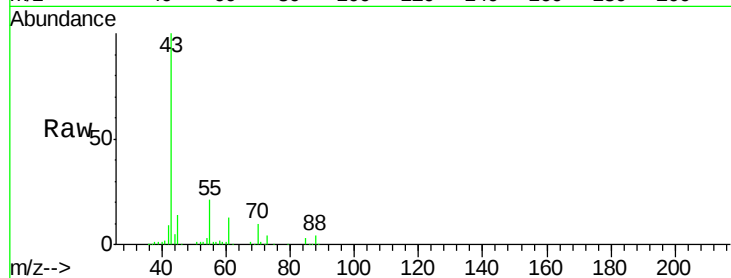
#43
Ethyl Acetate
Concen: 18.45 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	43	45	Ratio	Lower	Upper
109873	100	13.9		11.0	16.4

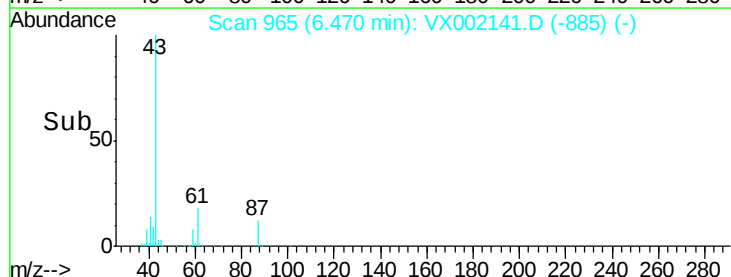
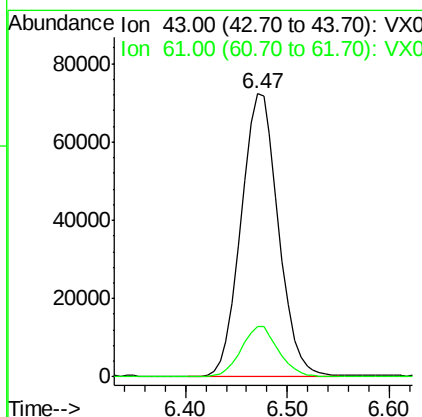
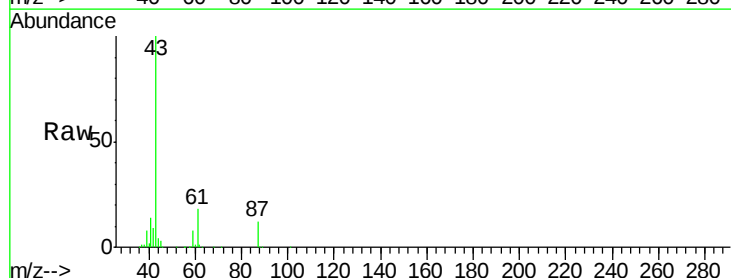
Manual Integrations
APPROVED

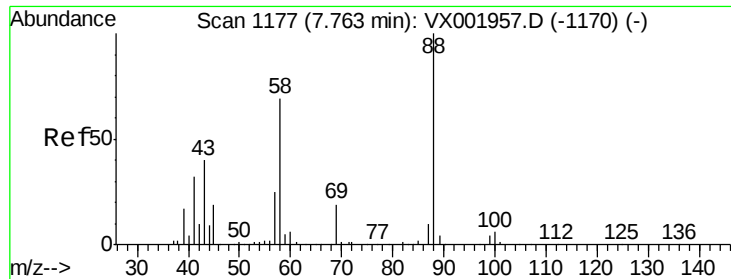
MMDadoda
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#44
Isopropyl Acetate
Concen: 18.50 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Tgt Ion	43	61	Ratio	Lower	Upper
183236	100	17.8		14.5	21.7





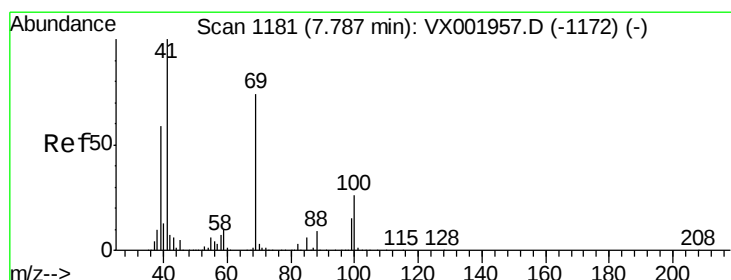
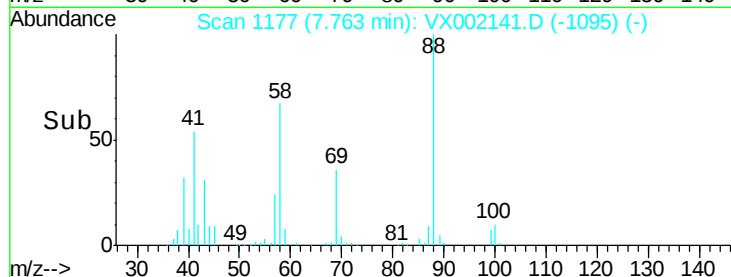
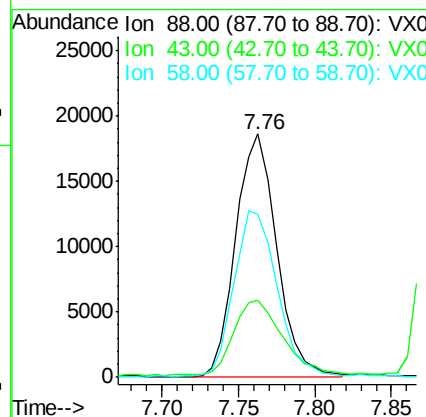
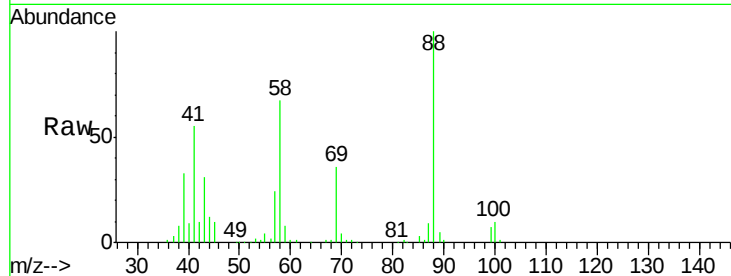
#45
 1,4-Dioxane
 Concen: 369.56 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VX002141.D
 Acq: 30 May 2018 15:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	43.2	64.8#
58	72.1	60.2	90.2

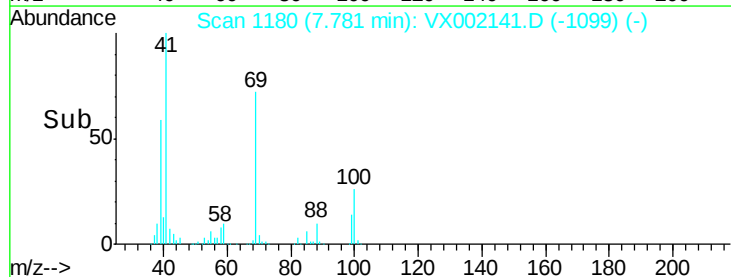
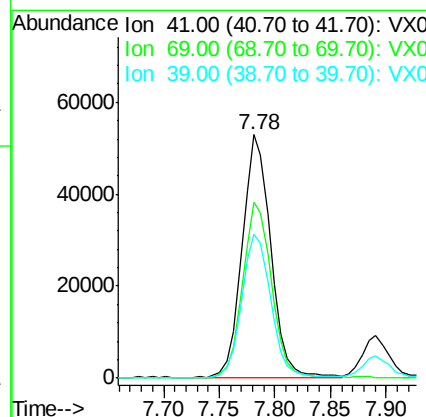
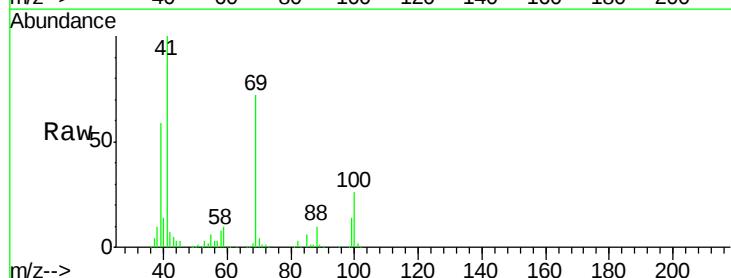
Manual Integrations
 APPROVED

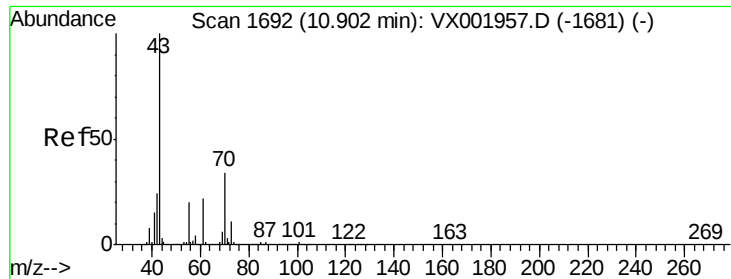
MMDadoda
 5/31/2018 3:07:45 PM



#46
 Methyl methacrylate
 Concen: 18.72 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VX002141.D
 Acq: 30 May 2018 15:16

Tgt Ion	Ratio	Lower	Upper
41	100		
69	72.5	37.0	110.9
39	59.0	29.6	88.9





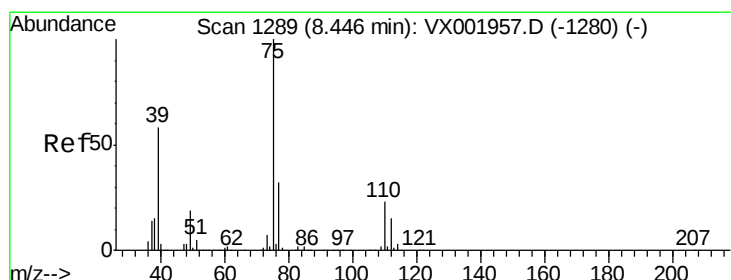
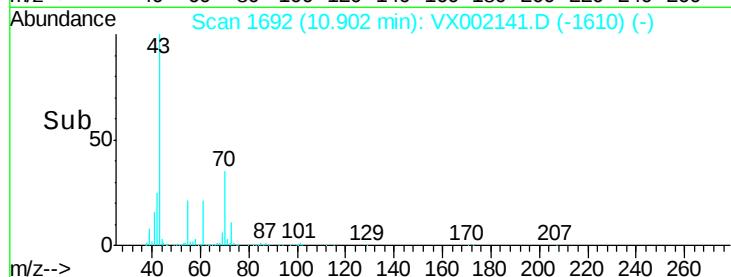
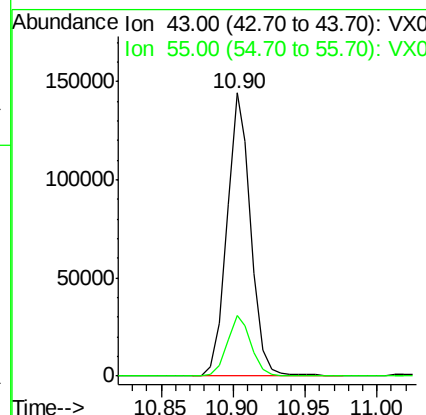
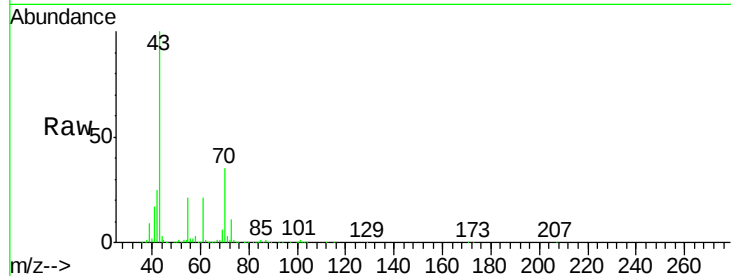
#47
n-amvl Acetate
Concen: 18.34 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion: 43 Resp: 167162
Ion Ratio Lower Upper
43 100
55 21.4 0.1 0.1#

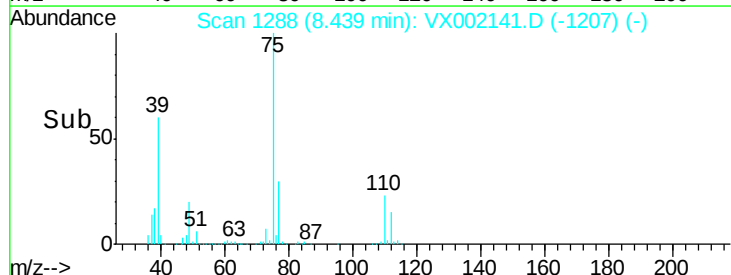
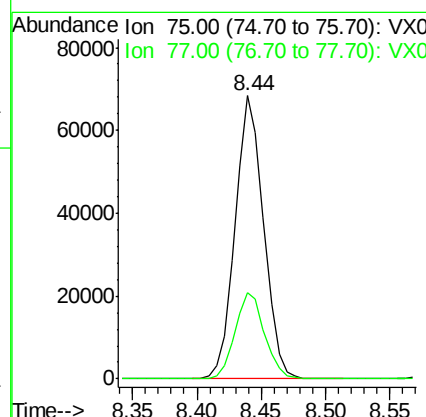
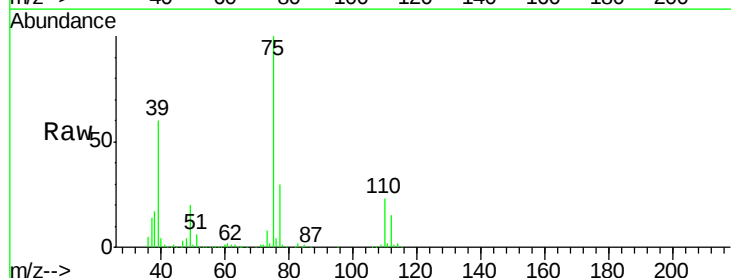
Manual Integrations
APPROVED

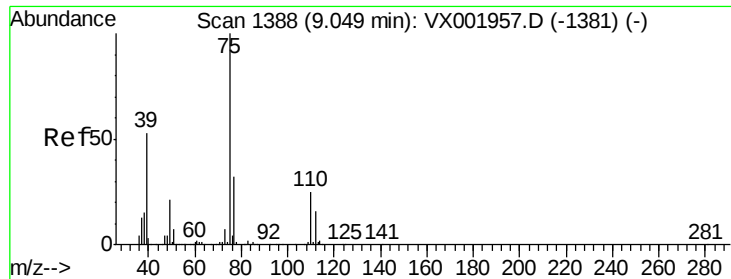
MMDadoda
5/31/2018 3:07:45 PM



#48
t-1,3-Dichloropropene
Concen: 18.97 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Tgt Ion: 75 Resp: 105405
Ion Ratio Lower Upper
75 100
77 30.3 25.6 38.4





#49

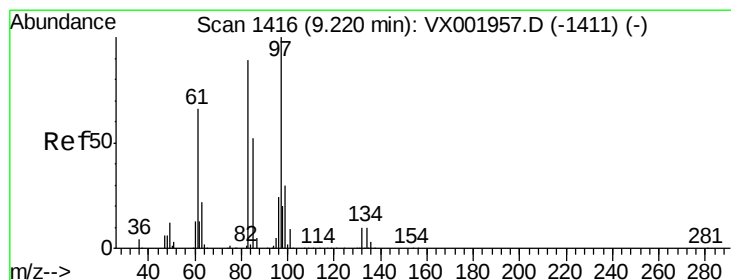
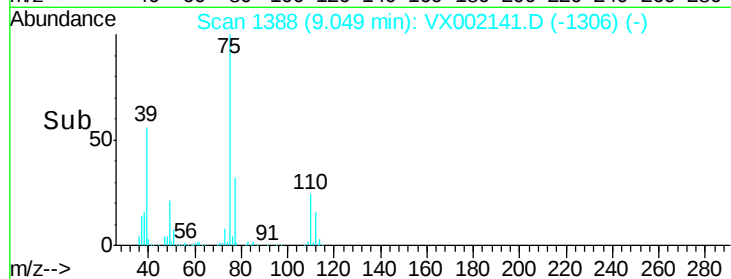
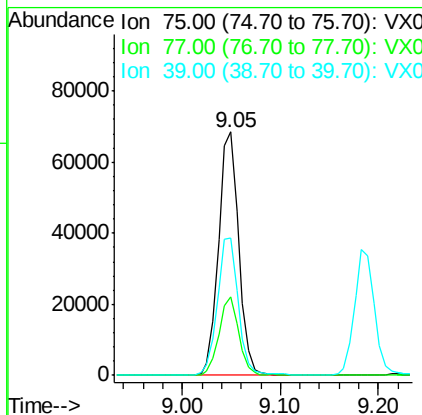
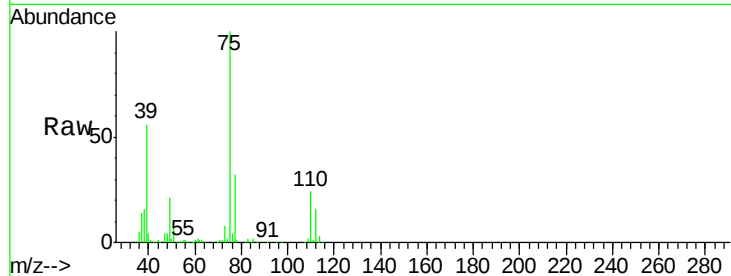
cis-1,3-Dichloropropene
Concen: 18.25 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2
39	56.1	42.3	63.5

Manual Integrations
APPROVED

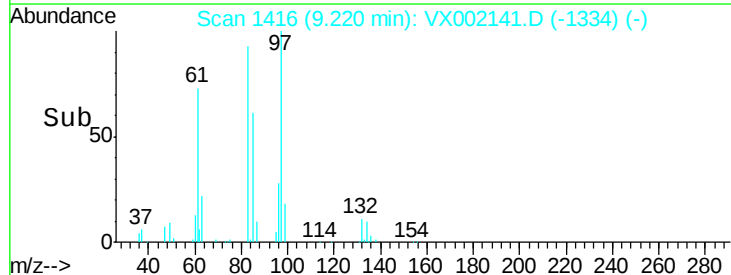
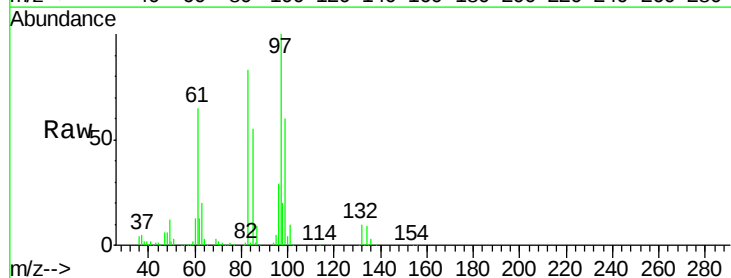
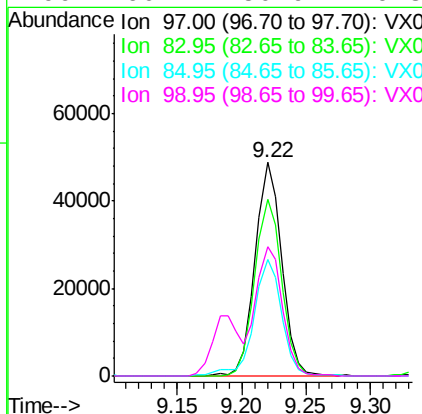
MMDadoda
5/31/2018 3:07:45 PM

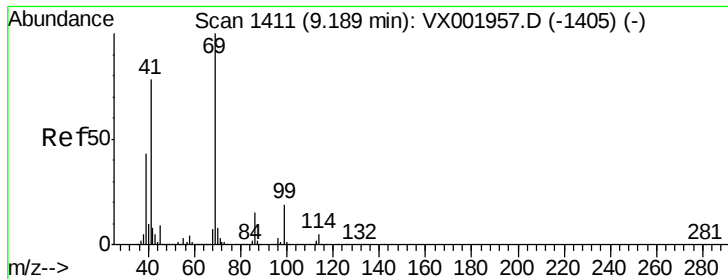


#50

1,1,2-Trichloroethane
Concen: 20.33 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.0	70.8	106.2
85	54.7	43.5	65.3
99	60.2	50.9	76.3





#51

Ethyl methacrylate

Concen: 18.80 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

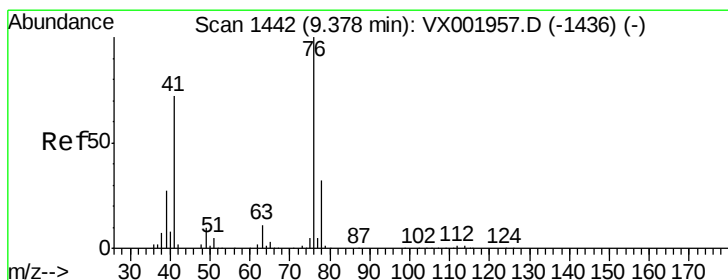
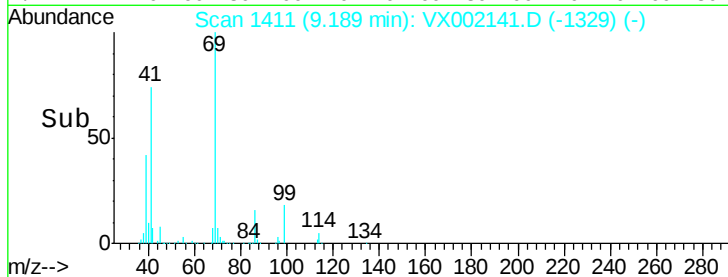
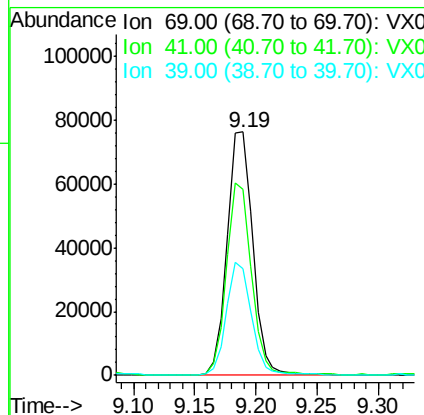
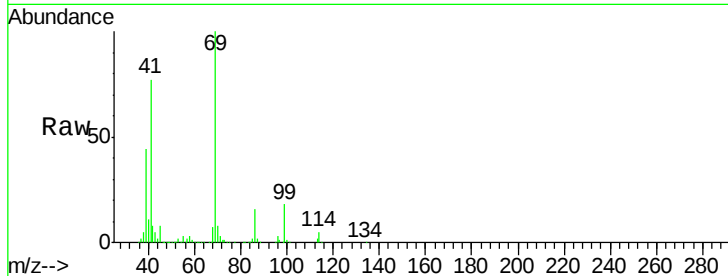
ClientSampled :

VX0530WBS01

Tot Ion:	69	Resp:	111443
Ion	Ratio	Lower	Upper
69	100		
41	76.3	39.1	117.3
39	43.8	21.7	65.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.11 ug/l

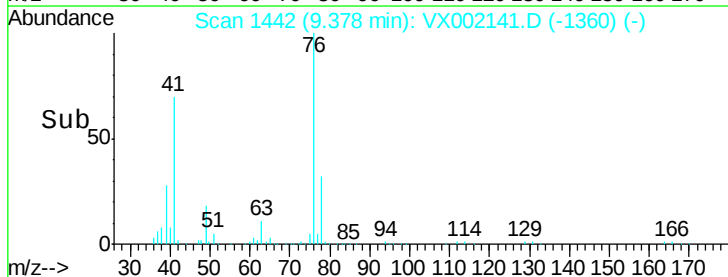
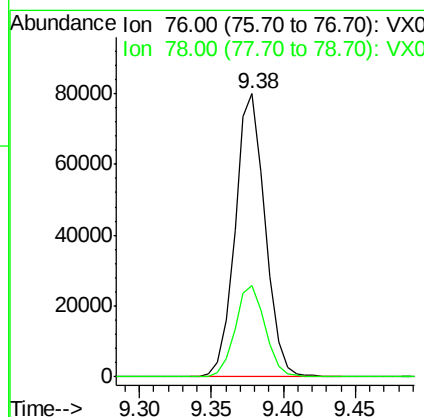
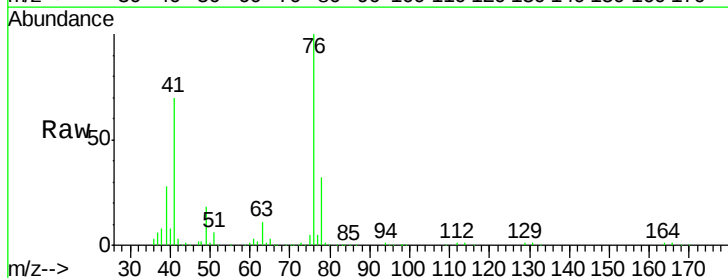
RT: 9.38 min Scan# 1442

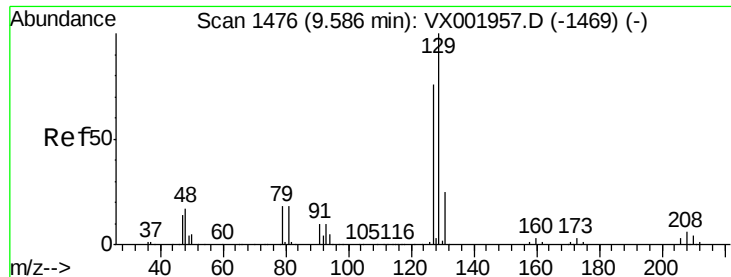
Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Tgt Ion:	76	Resp:	116051
Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	63.4





#53

Dibromochloromethane

Concen: 16.45 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion:129 Resp: 68768

Ion Ratio Lower Upper

129 100

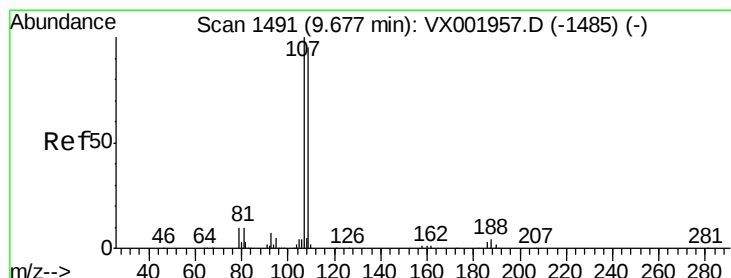
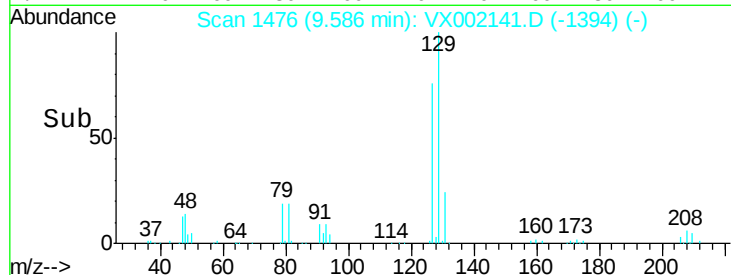
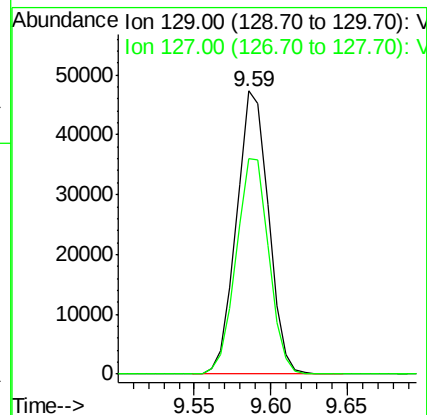
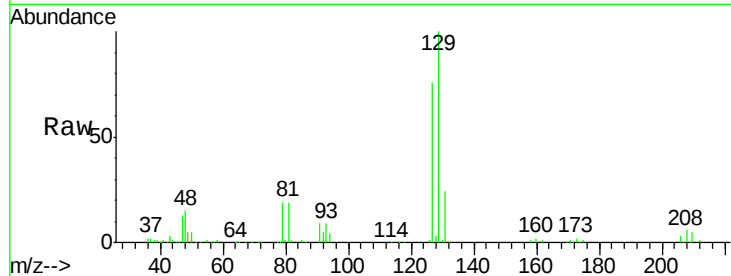
127 77.6 38.5 115.3

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 19.38 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002141.D

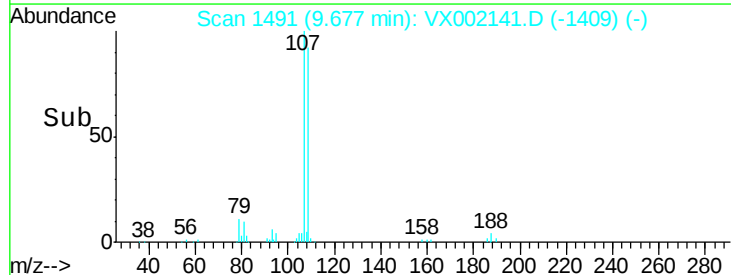
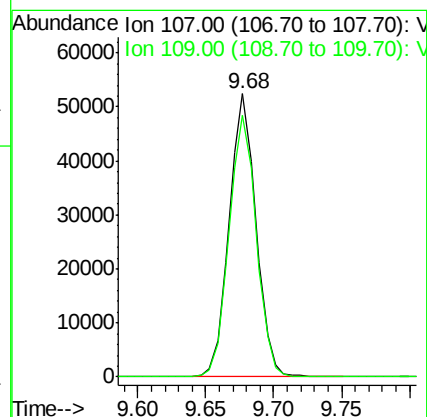
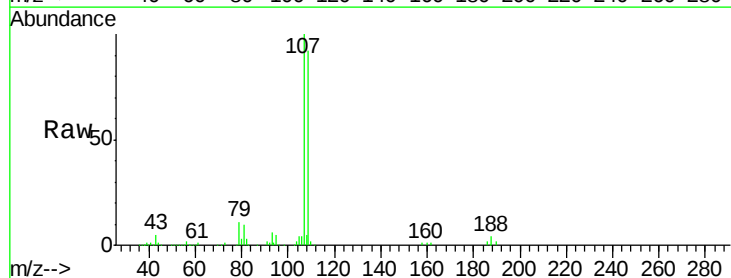
Acq: 30 May 2018 15:16

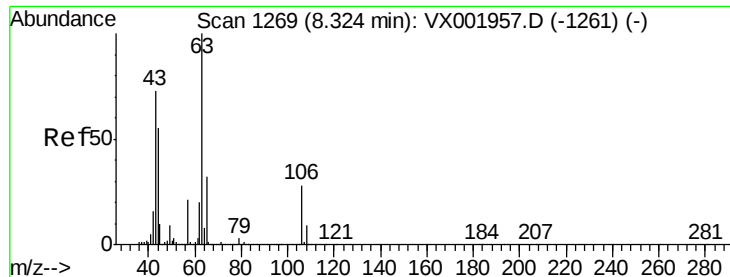
Tgt Ion:107 Resp: 71775

Ion Ratio Lower Upper

107 100

109 94.1 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 146.19 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion: 63 Resp: 406662

Ion Ratio Lower Upper

63 100

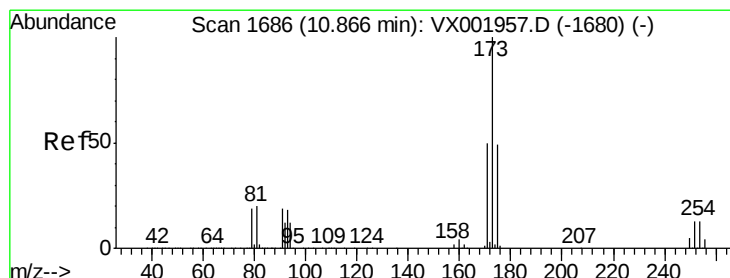
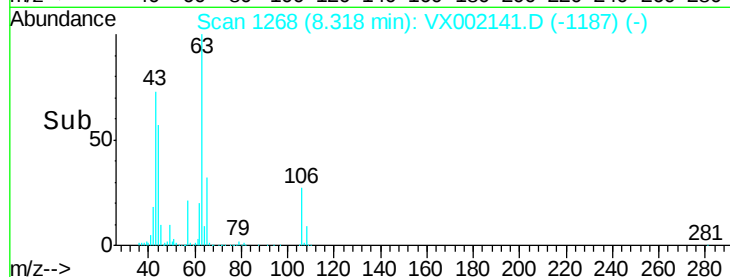
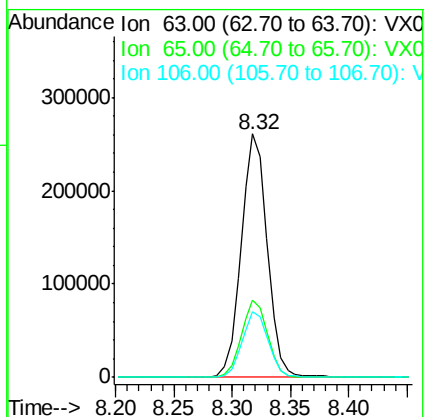
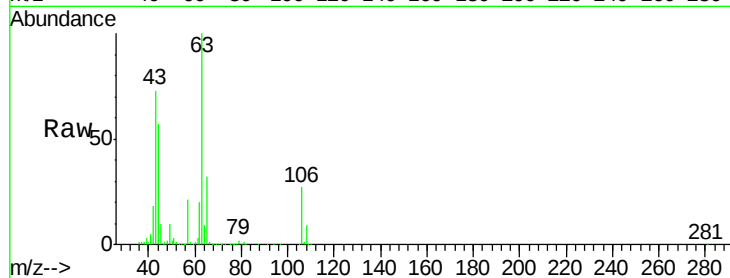
65 32.1 25.6 38.4

106 27.2 21.6 32.4

Manual Integrations
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#56

Bromoform

Concen: 14.53 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

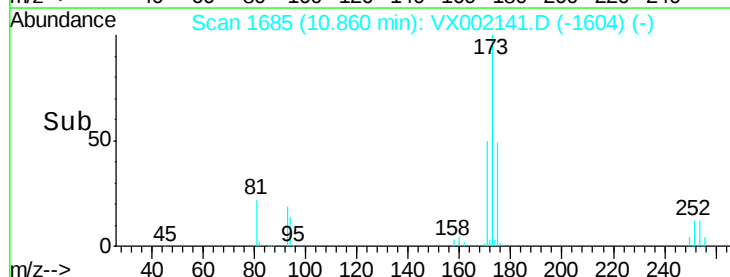
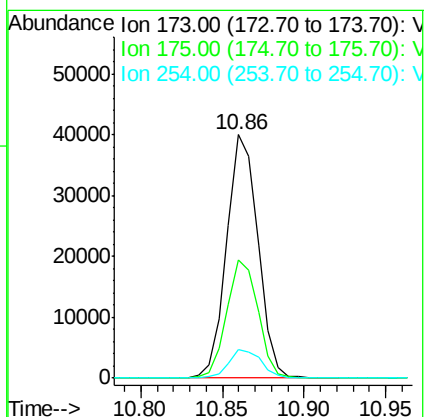
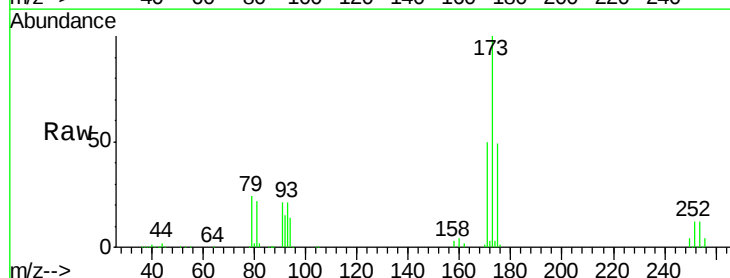
Tgt Ion: 173 Resp: 53386

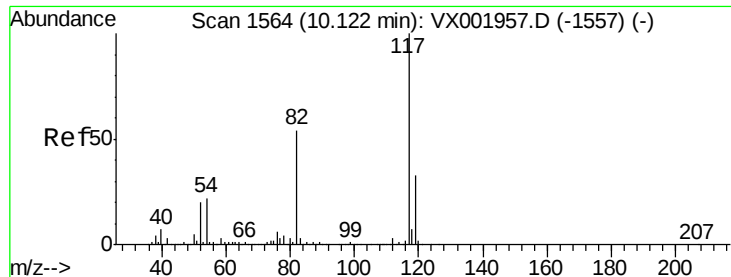
Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.4

254 12.0 9.6 14.4





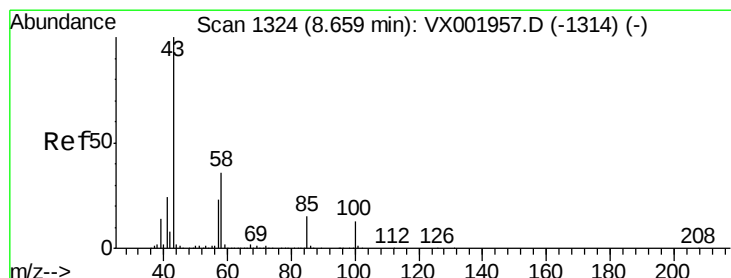
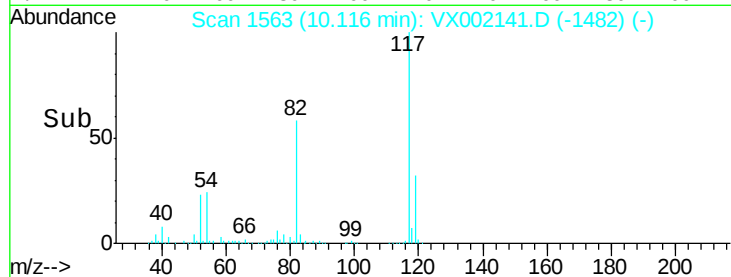
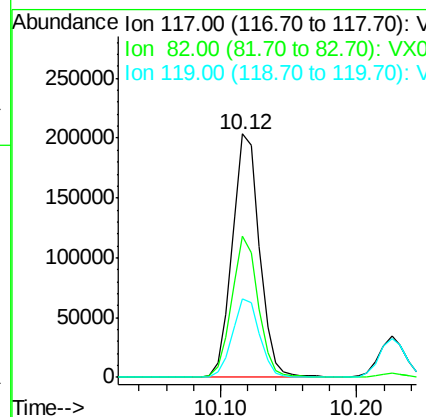
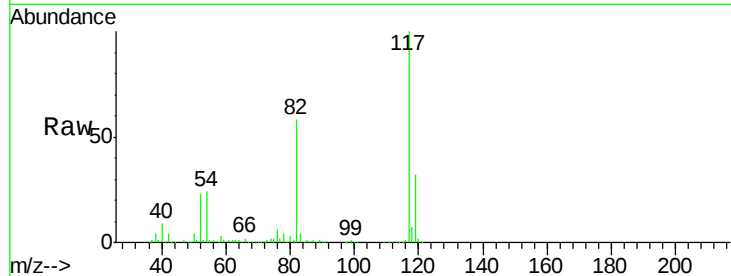
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	56.3	44.3	66.5
119	32.5	25.7	38.5

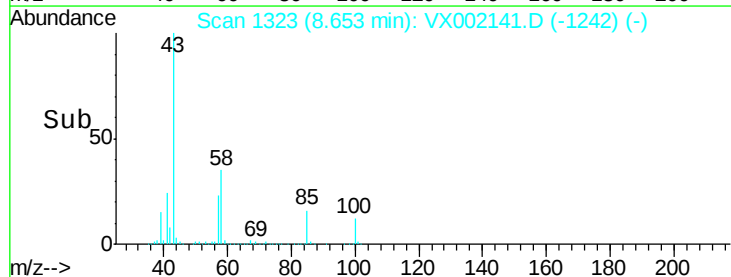
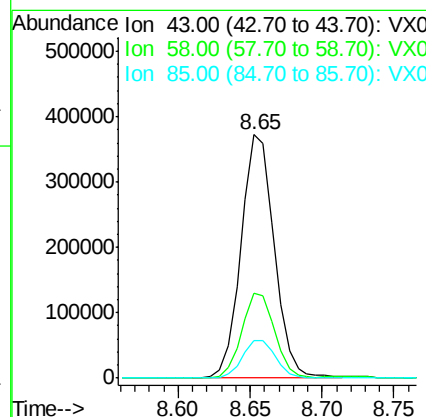
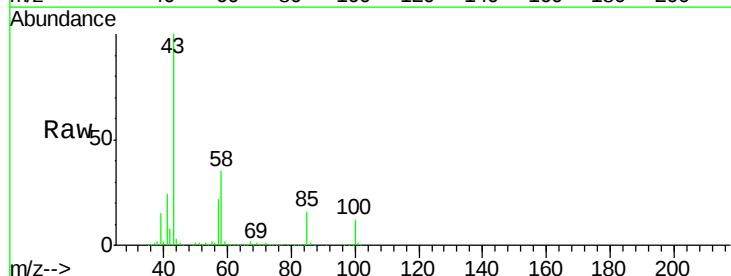
Manual Integrations
APPROVED

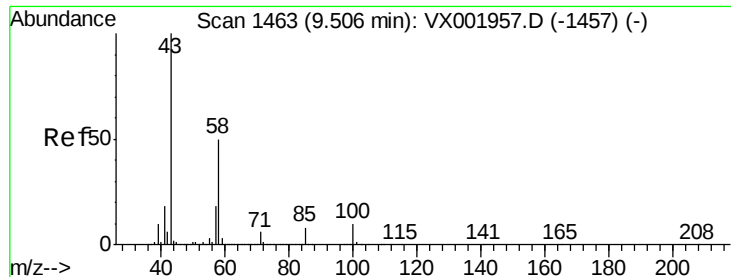
MMDadoda
5/31/2018 3:07:45 PM



#58
4-Methyl-2-Pentanone
Concen: 96.69 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	34.6	28.2	42.4
85	15.7	12.4	18.6





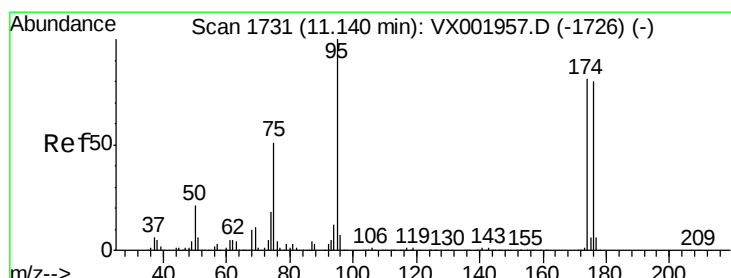
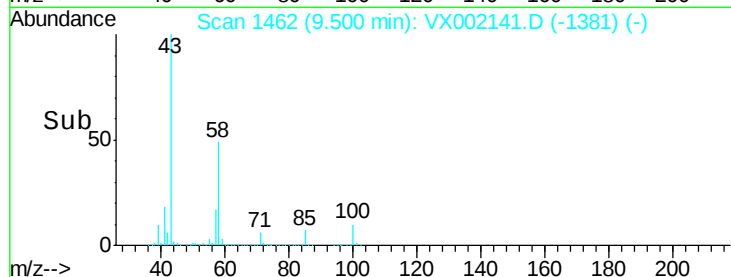
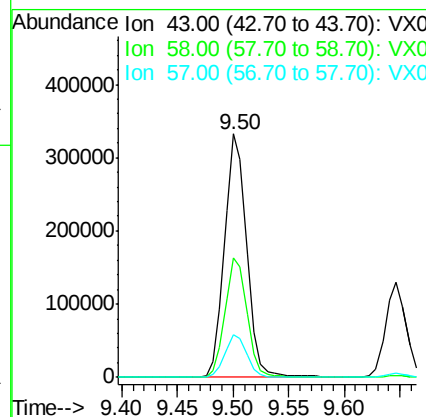
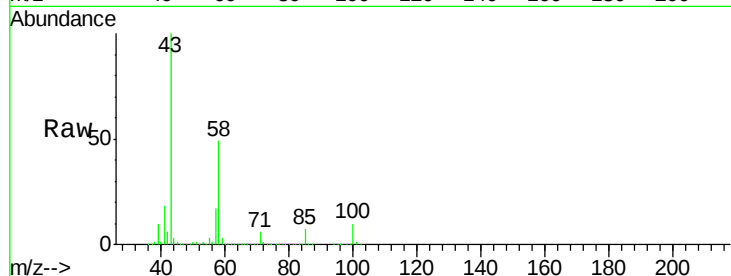
#59
2-Hexanone
Concen: 95.81 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.6	39.6	59.4
57	17.3	14.1	21.1

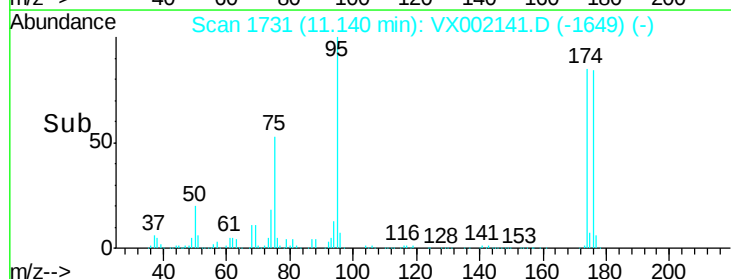
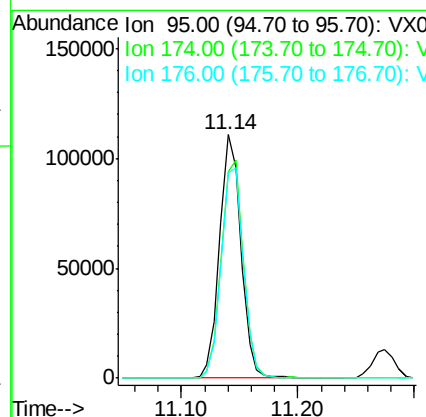
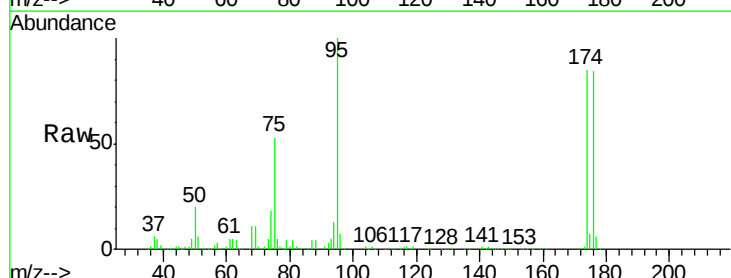
Manual Integrations
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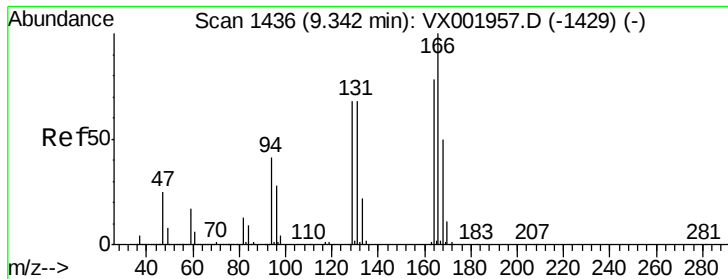
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 28.87 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.0	71.8	107.6
176	90.2	70.1	105.1





#61

Tetrachloroethene

Concen: 19.26 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion:164 Resp: 83251

Ion Ratio Lower Upper

164 100

166 126.4 102.4 153.6

129 86.6 70.1 105.1

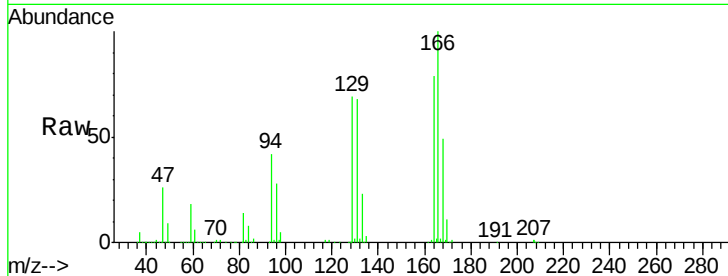
131 86.2 69.1 103.7

Manual Integrations

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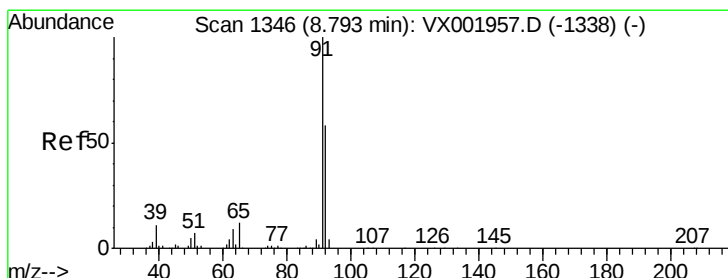
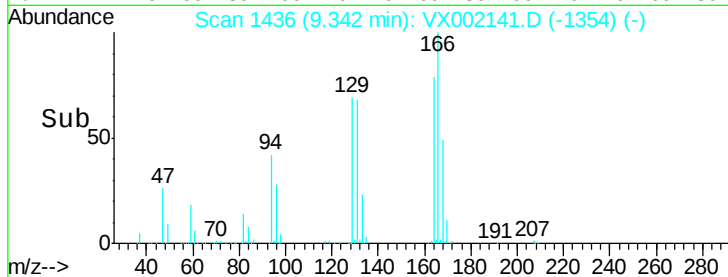
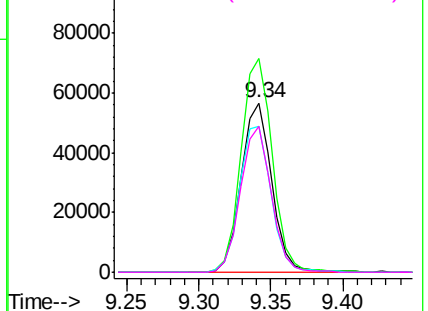


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.76 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX002141.D

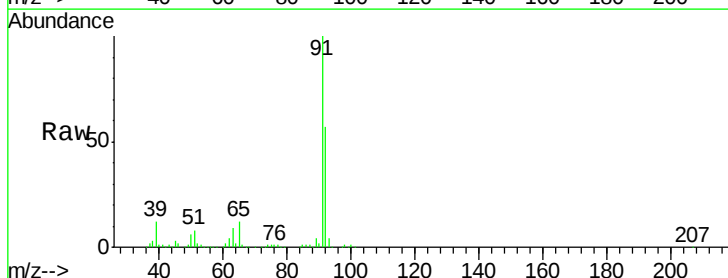
Acq: 30 May 2018 15:16

Tgt Ion: 91 Resp: 285975

Ion Ratio Lower Upper

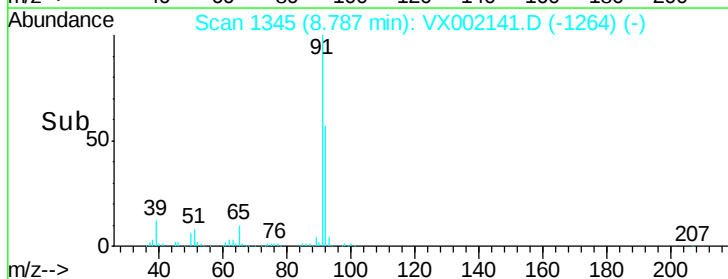
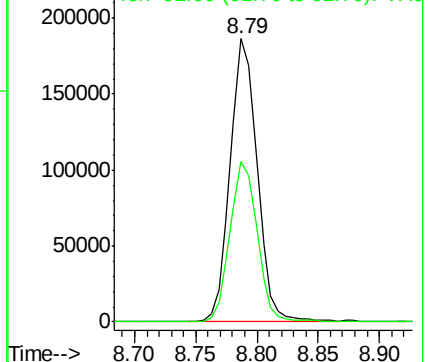
91 100

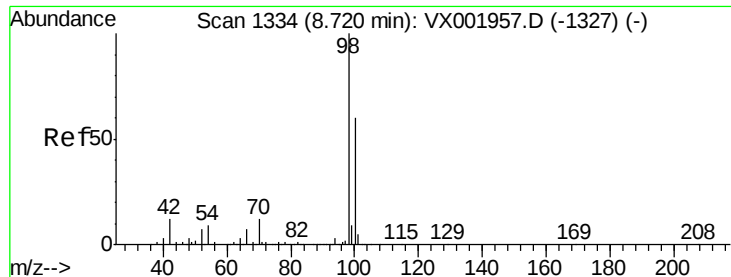
92 57.0 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.28 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion: 98 Resp: 382350

Ion Ratio Lower Upper

98 100

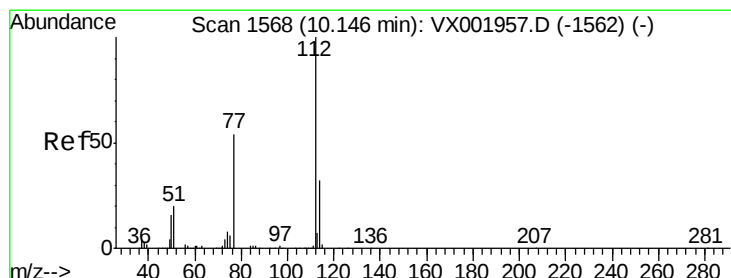
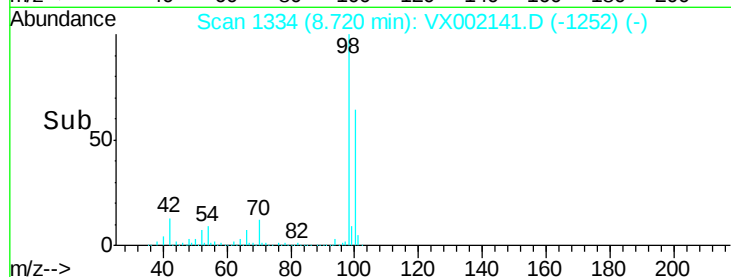
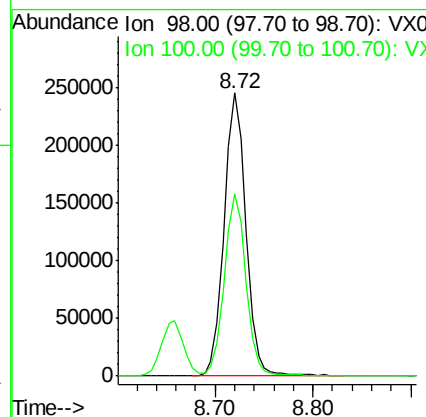
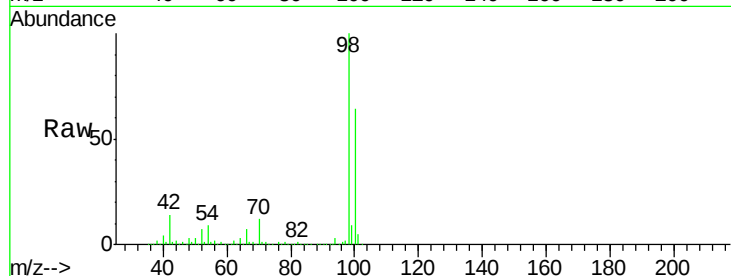
100 63.1 50.8 76.2

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#64

Chlorobenzene

Concen: 19.86 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX002141.D

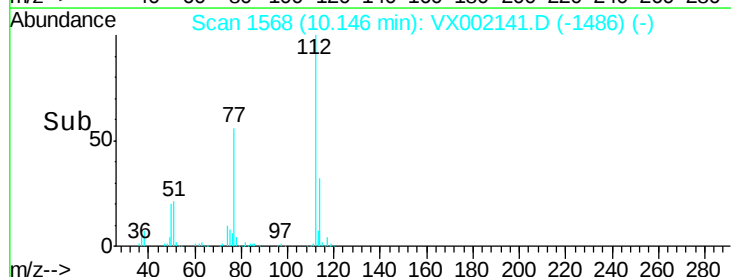
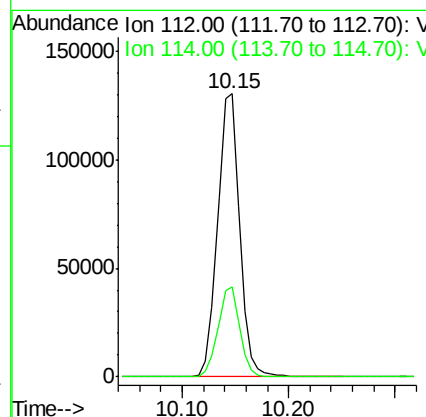
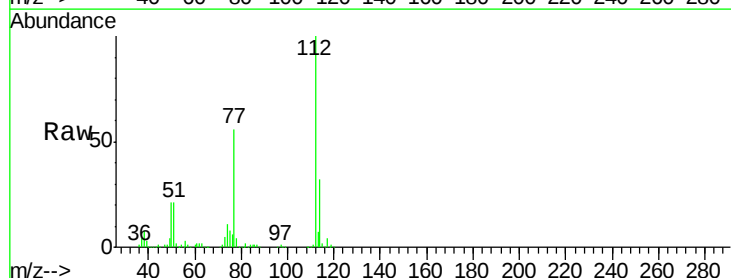
Acq: 30 May 2018 15:16

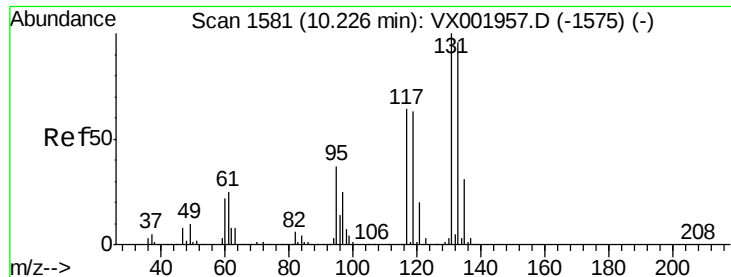
Tgt Ion: 112 Resp: 185973

Ion Ratio Lower Upper

112 100

114 31.9 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 18.29 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

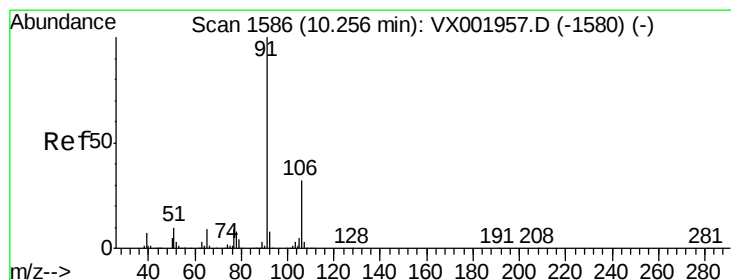
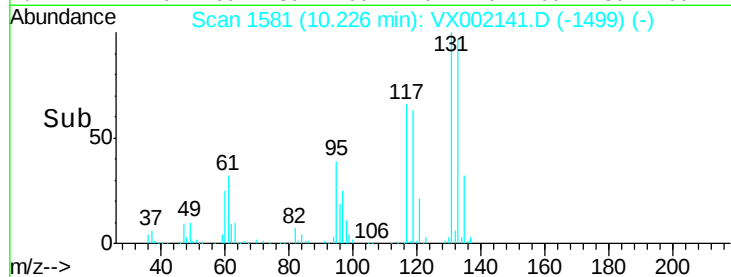
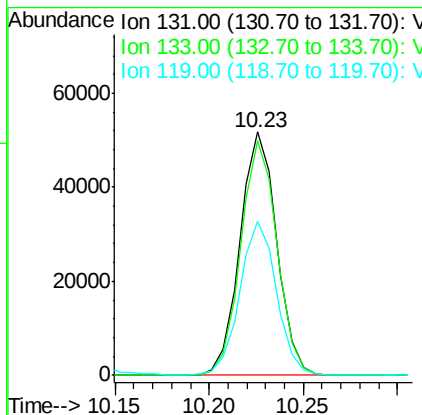
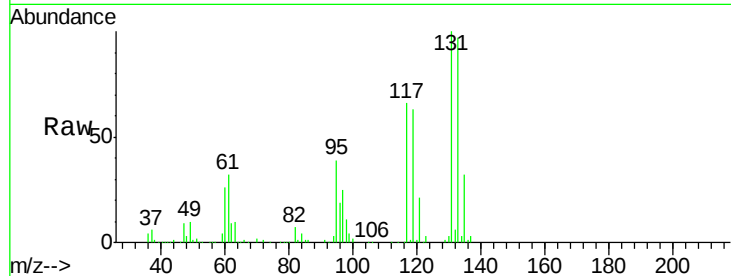
ClientSampleId :

VX0530WBS01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	69693		
133	95.5	0.0	191.2	
119	63.5	0.0	125.4	

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#66

Ethyl Benzene

Concen: 19.74 ug/l

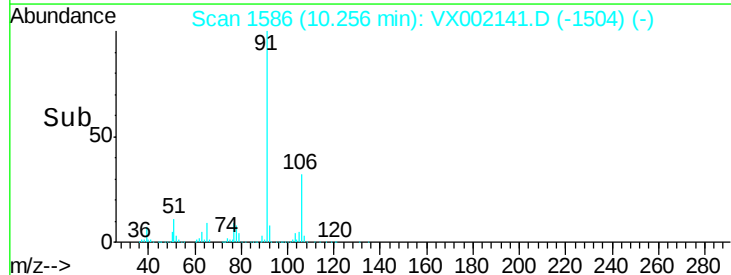
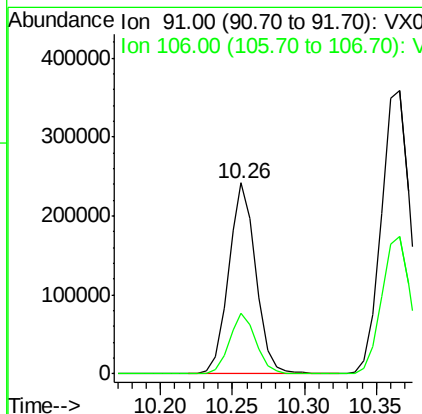
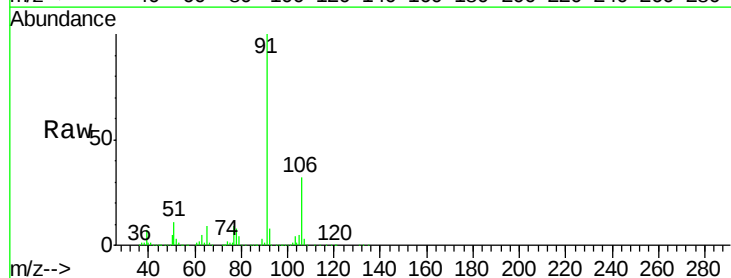
RT: 10.26 min Scan# 1586

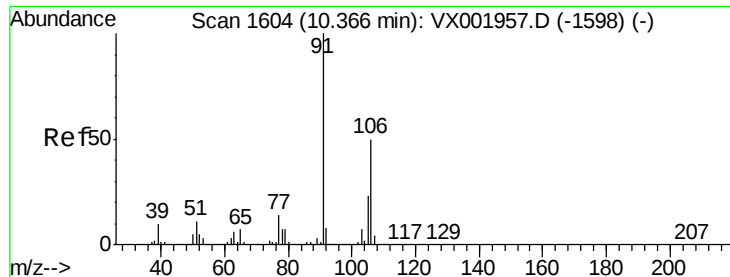
Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	321076		
106	31.9	25.2	37.8	





#67

m/p-Xvlenes

Concen: 39.50 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion:106 Resp: 243884

Ion Ratio Lower Upper

106 100

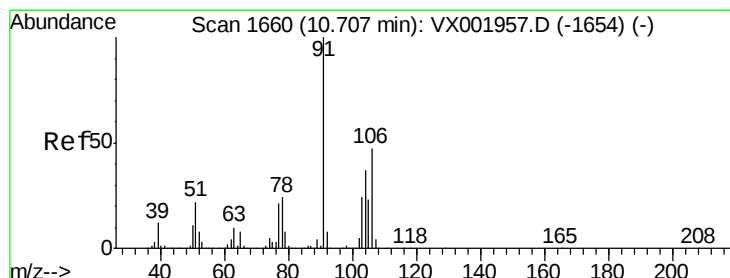
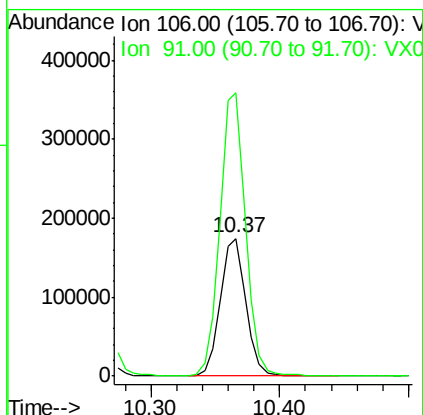
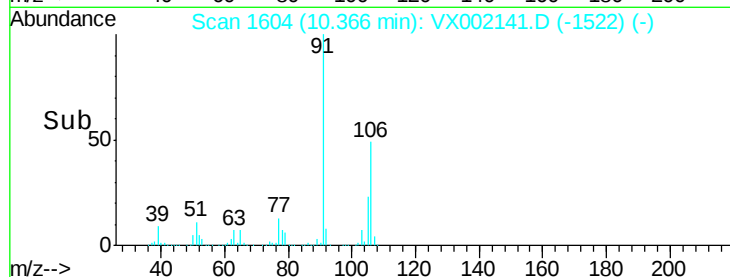
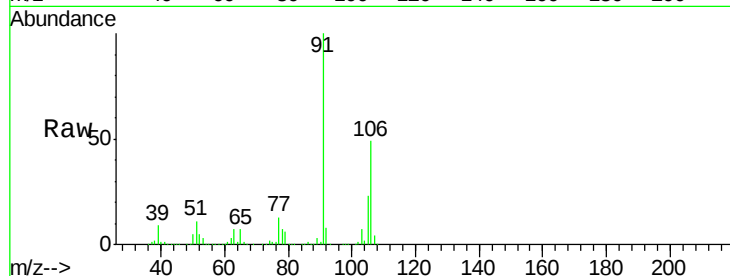
91 207.1 164.1 246.1

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#68

o-Xylene

Concen: 19.72 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX002141.D

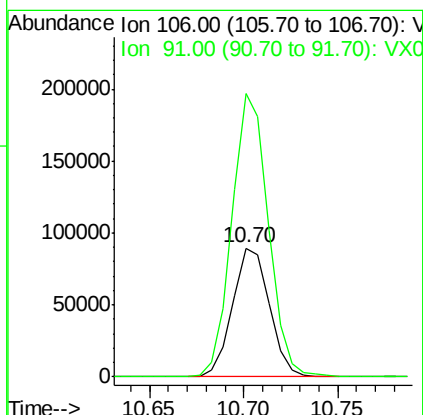
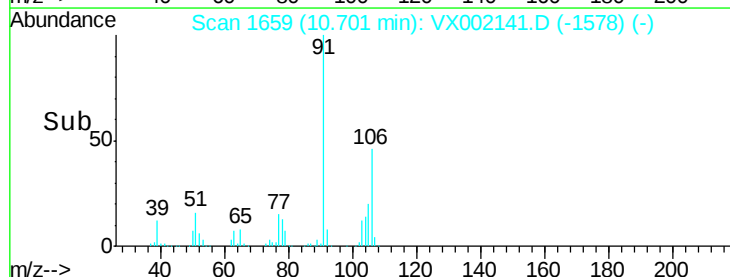
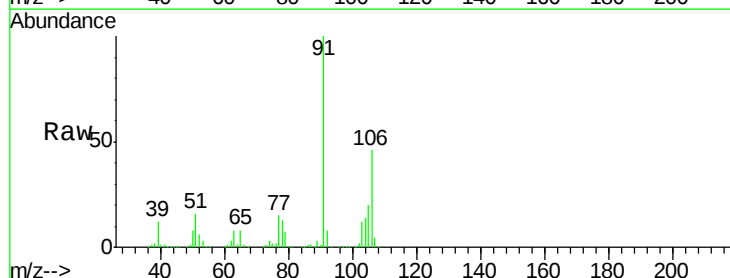
Acq: 30 May 2018 15:16

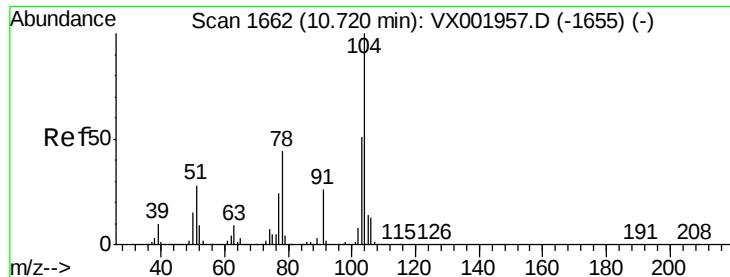
Tgt Ion:106 Resp: 121939

Ion Ratio Lower Upper

106 100

91 216.7 109.1 327.3





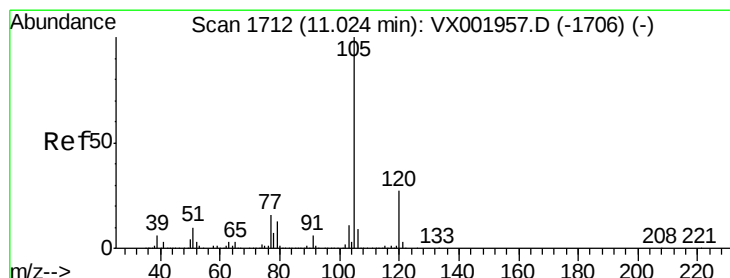
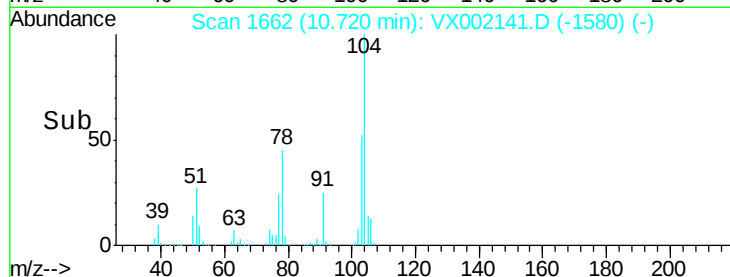
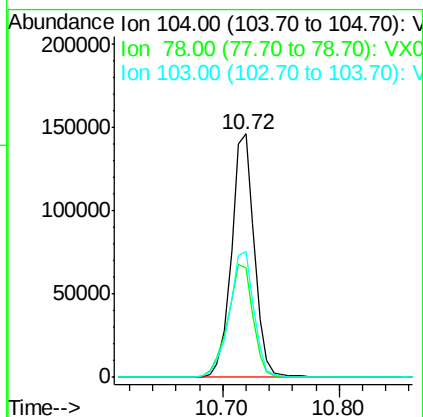
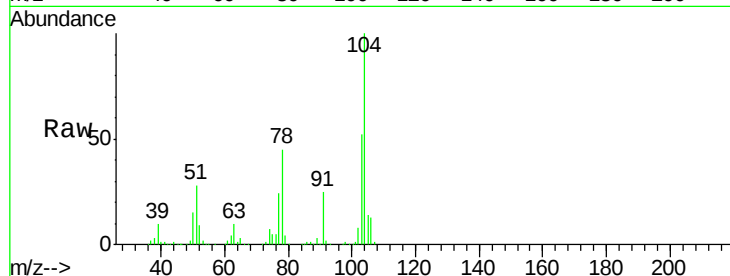
#69
Stvrene
Concen: 19.25 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	199851		
78	51.5		41.8	62.8
103	55.9		44.9	67.3

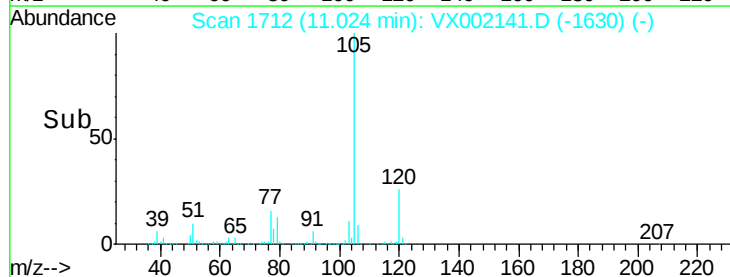
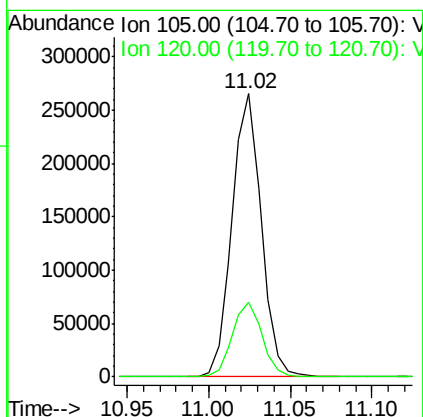
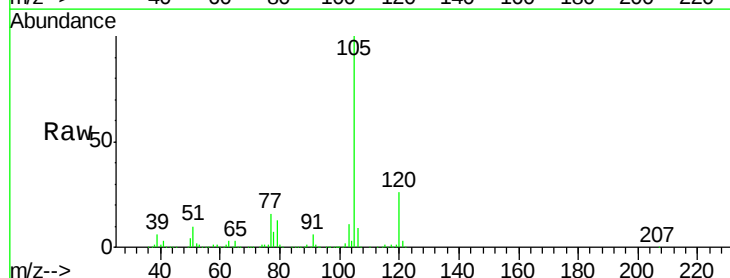
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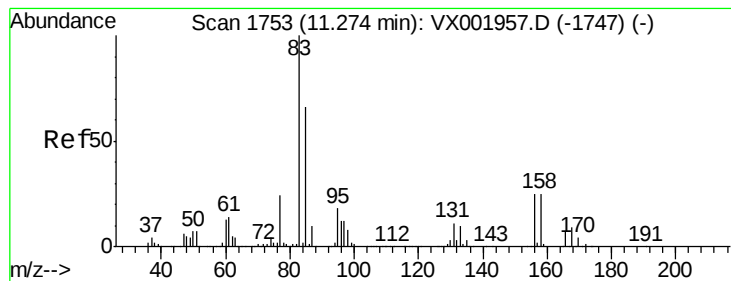
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#70
Isopropylbenzene
Concen: 20.00 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	331115		
120	26.7		19.0	35.2





#71

1,1,2,2-Tetrachloroethane

Concen: 19.02 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

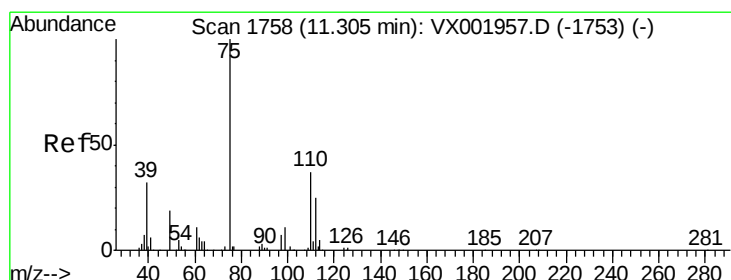
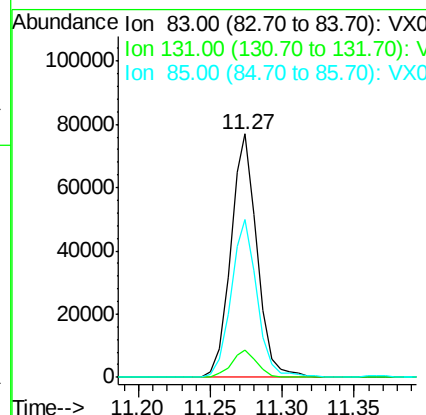
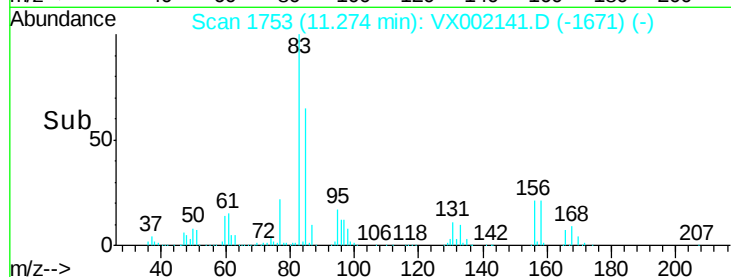
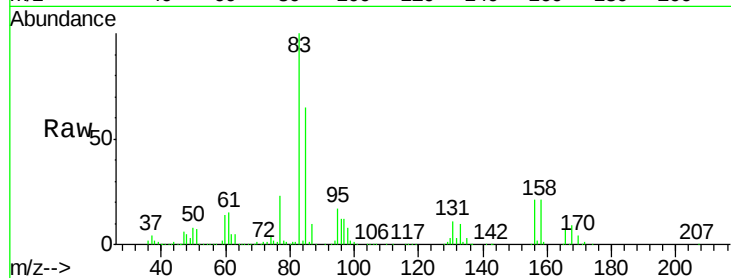
ClientSampleId :

VX0530WBS01

Tot Ion:	83	Resp:	98682
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.4	16.2
85	64.7	32.4	97.2

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#72

1,2,3-Trichloropropane

Concen: 18.49 ug/l m

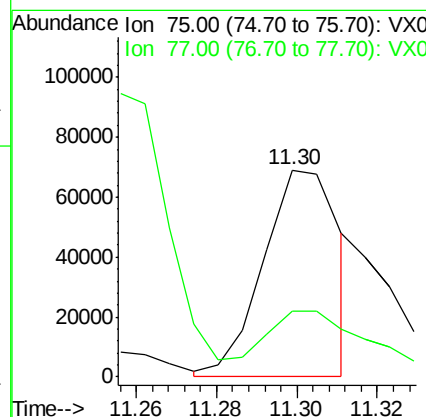
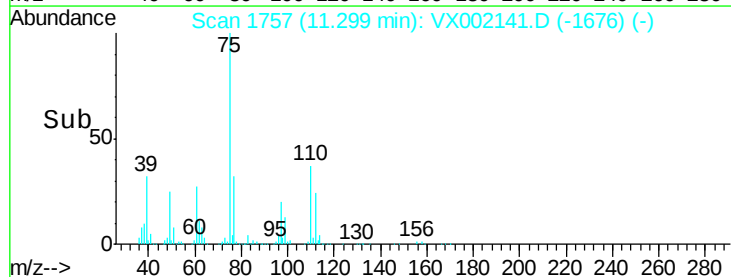
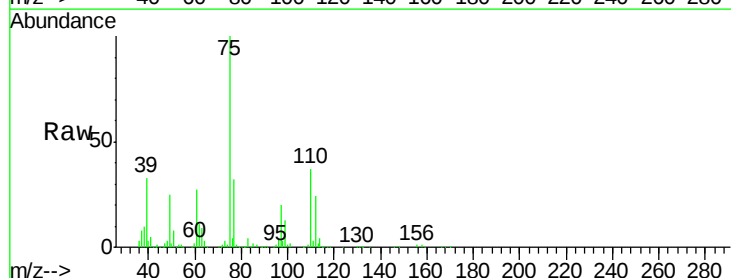
RT: 11.30 min Scan# 1757

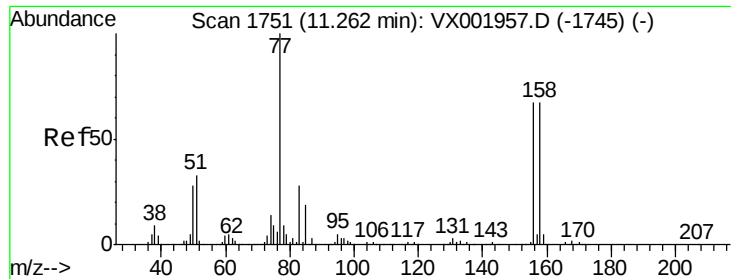
Delta R.T. -0.01 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Tgt Ion:	75	Resp:	90357
Ion	Ratio	Lower	Upper
75	100		
77	44.8	0.0	71.8





#73

Bromobenzene

Concen: 19.55 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion:156 Resp: 86946

Ion Ratio Lower Upper

156 100

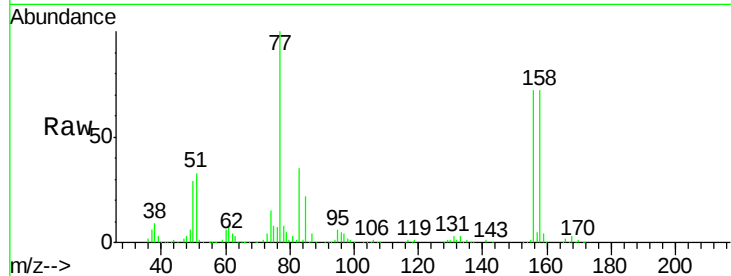
77 144.4 0.0 301.0

158 97.7 0.0 196.2

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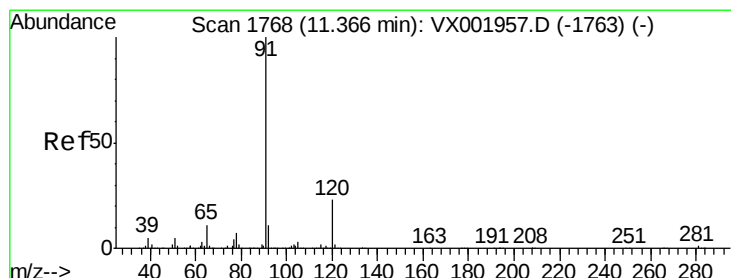
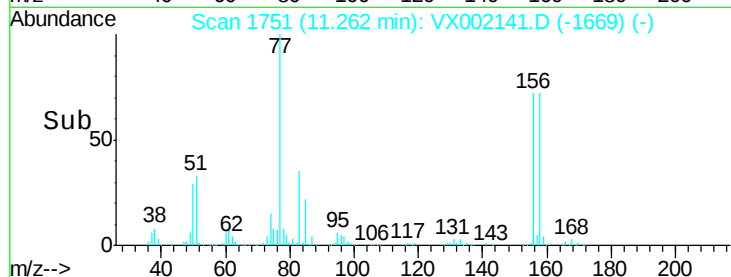
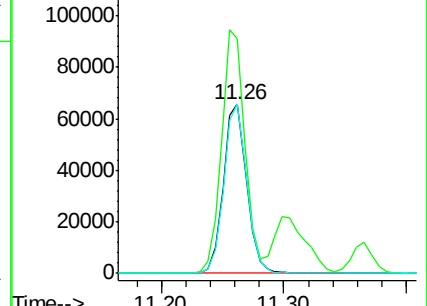
5/31/2018 3:07:45 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.01 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002141.D

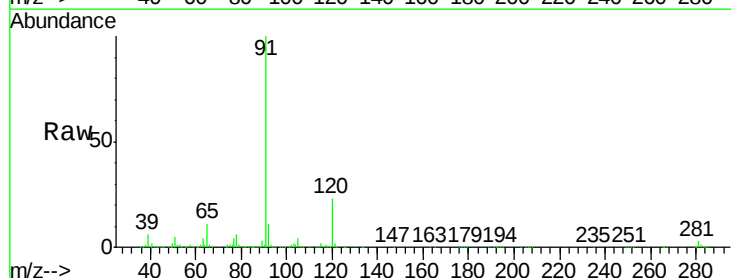
Acq: 30 May 2018 15:16

Tgt Ion: 91 Resp: 369668

Ion Ratio Lower Upper

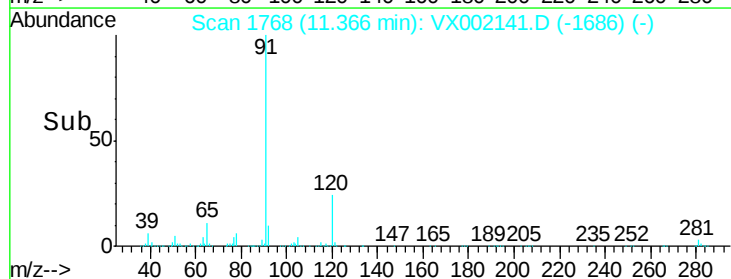
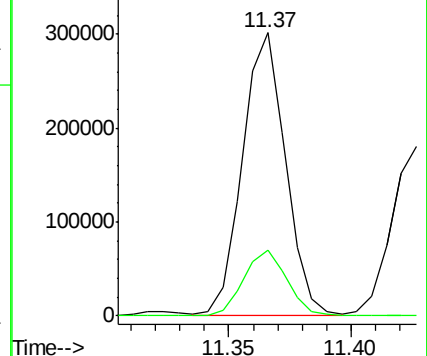
91 100

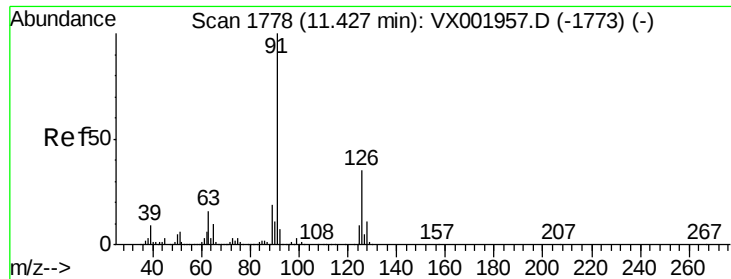
120 23.5 0.0 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.82 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion: 91 Resp: 225921

Ion Ratio Lower Upper

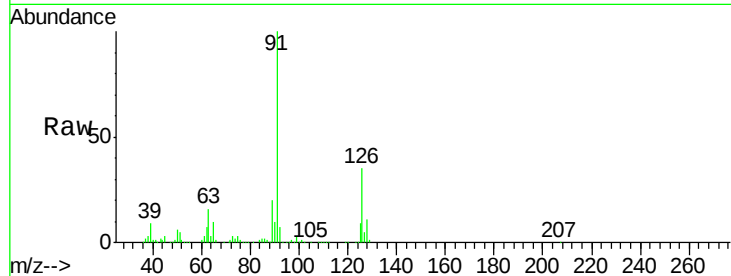
91 100

126 34.8 0.0 69.4

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Abundance Ion 91.00 (90.70 to 91.70): VX001957.D (-1773) (-)

Ion 126.00 (125.70 to 126.70): VX001957.D (-1773) (-)

300000

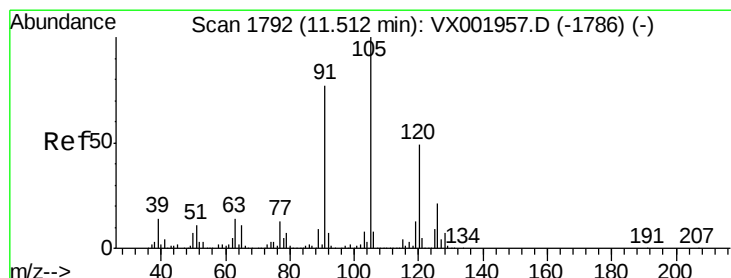
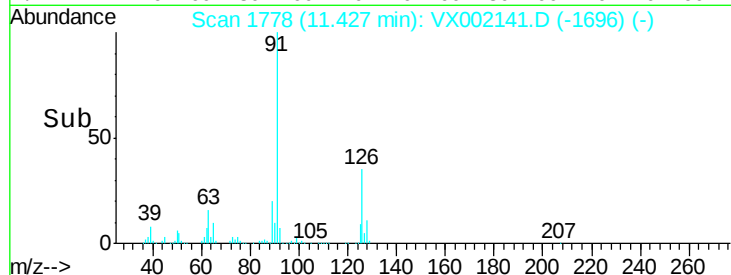
200000

100000

0

11.40 11.43 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.52 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002141.D

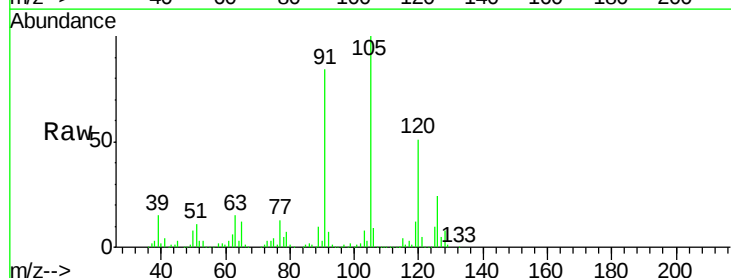
Acq: 30 May 2018 15:16

Tgt Ion: 105 Resp: 274726

Ion Ratio Lower Upper

105 100

120 49.1 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): VX001957.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001957.D (-1786) (-)

250000

200000

150000

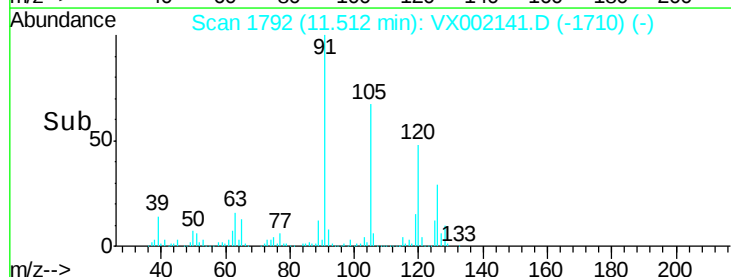
100000

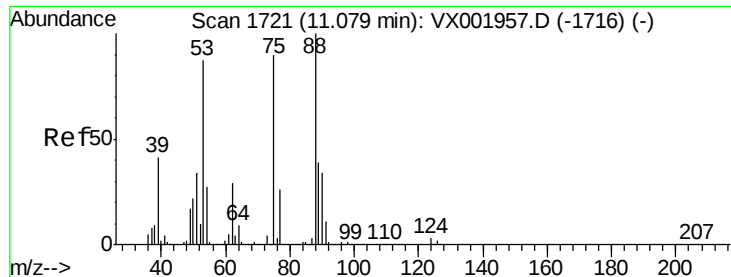
50000

0

11.50 11.51 11.60

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 16.17 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

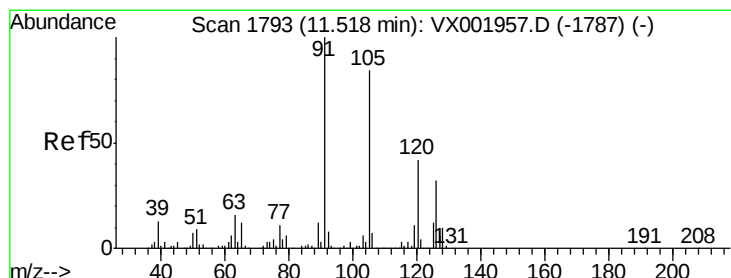
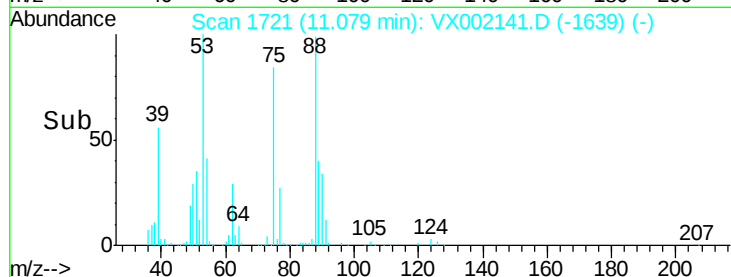
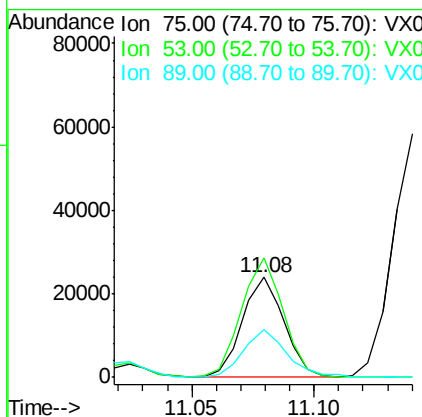
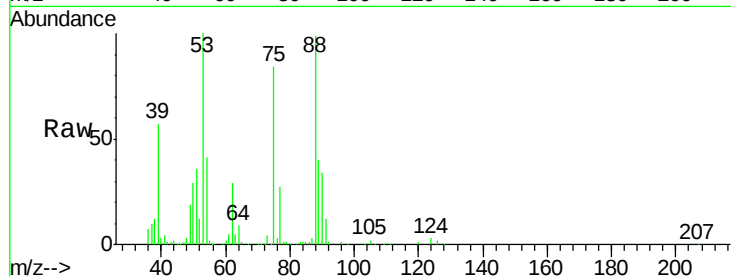
ClientSampleId :

VX0530WBS01

Tot Ion:	75	Resp:	28636
Ion	Ratio	Lower	Upper
75	100		
53	119.5	48.3	144.9
89	47.6	21.8	65.4

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.75 ug/l

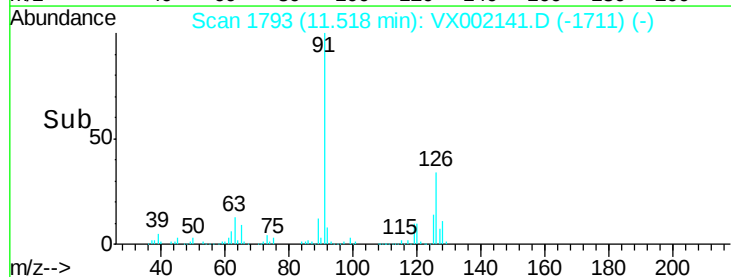
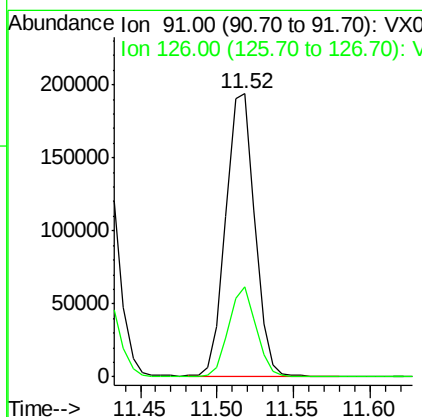
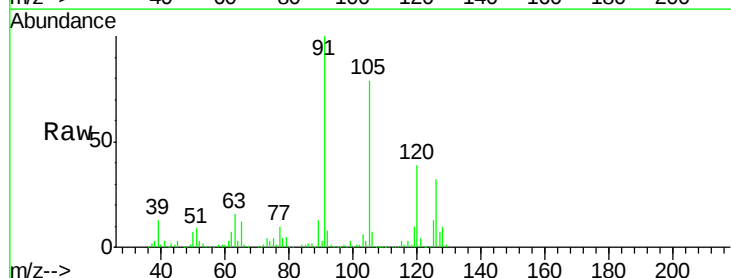
RT: 11.52 min Scan# 1793

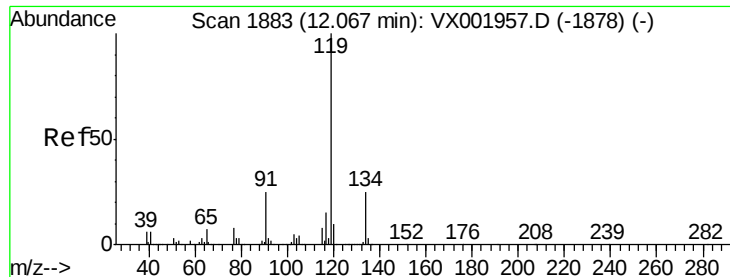
Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Tgt Ion:	91	Resp:	255938
Ion	Ratio	Lower	Upper
91	100		
126	30.0	0.0	61.0





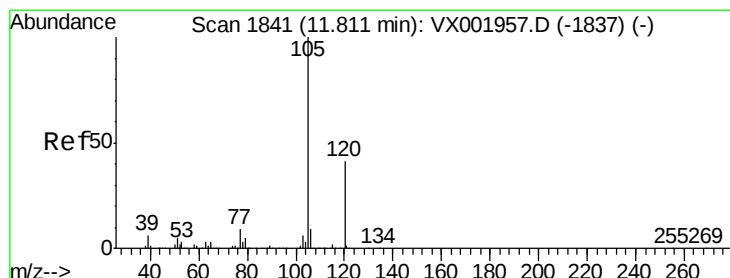
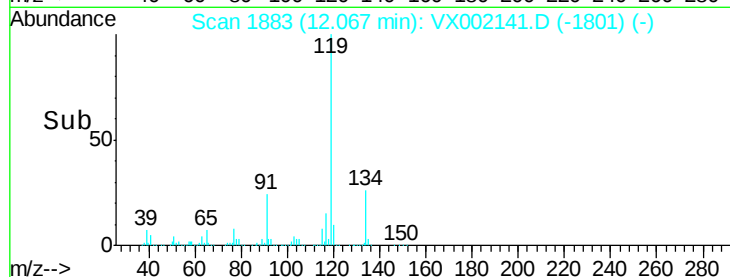
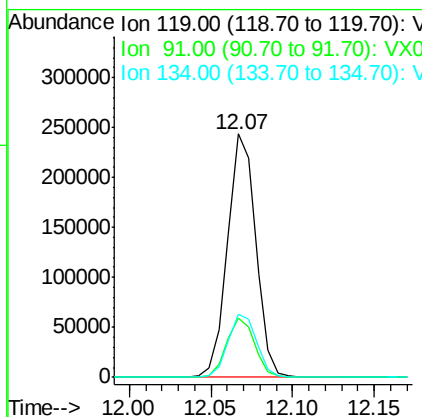
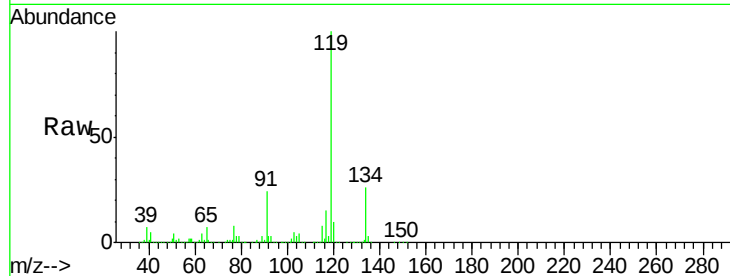
#79
tert-butylbenzene
Concen: 19.85 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	292887		
91	24.4	0.0	48.0	
134	26.3	0.0	52.6	

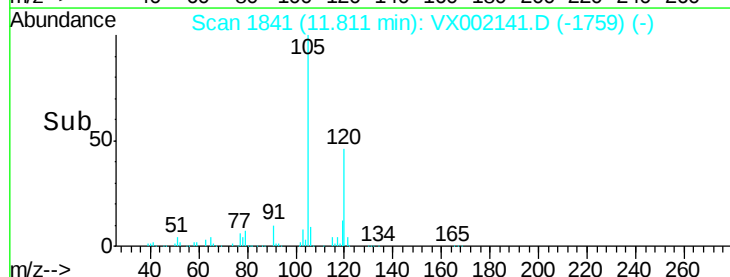
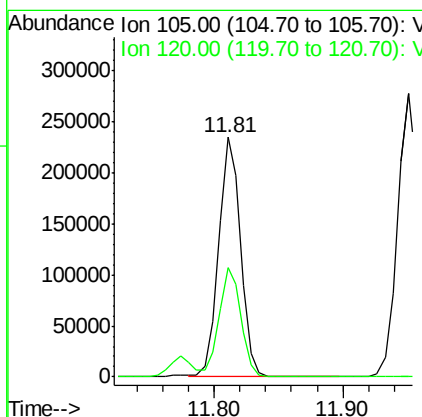
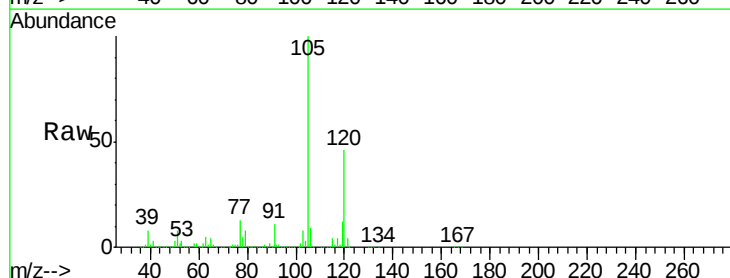
Manual Integrations
APPROVED

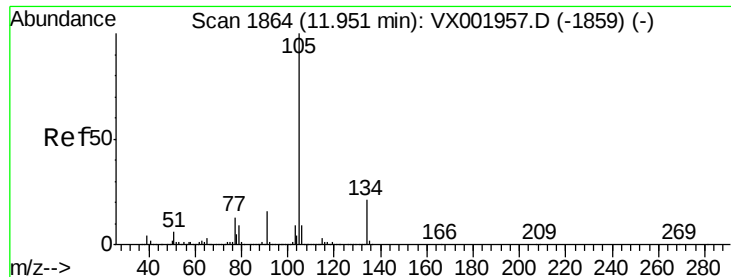
MMDadoda
5/31/2018 3:07:45 PM



#80
1,2,4-Trimethylbenzene
Concen: 19.88 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	282939		
120	44.5	0.0	89.2	





#81

sec-Butylbenzene

Concen: 20.18 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS01

Tot Ion:105 Resp: 332893

Ion Ratio Lower Upper

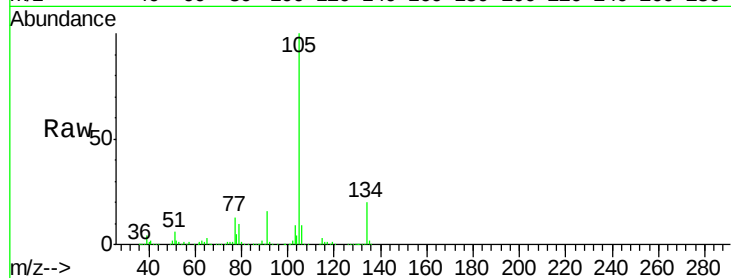
105 100

134 20.4 0.0 41.6

Manual Integrations
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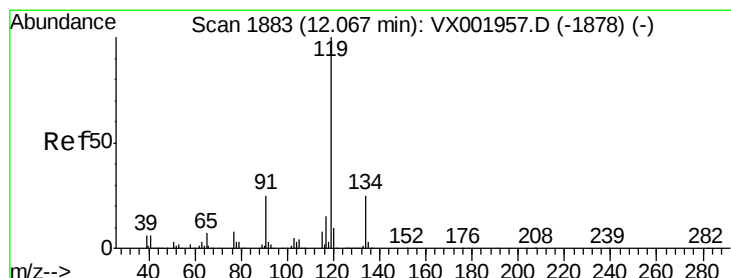
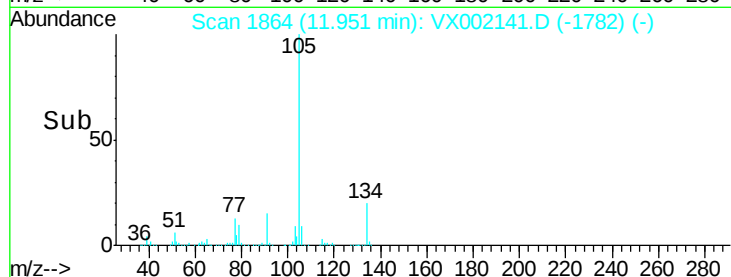
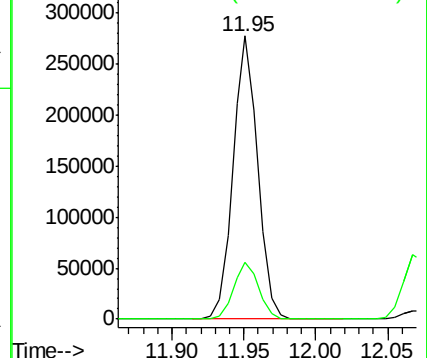
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.85 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

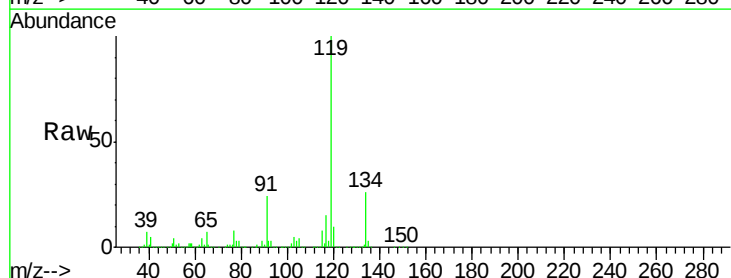
Tgt Ion:119 Resp: 292887

Ion Ratio Lower Upper

119 100

134 26.3 0.0 52.6

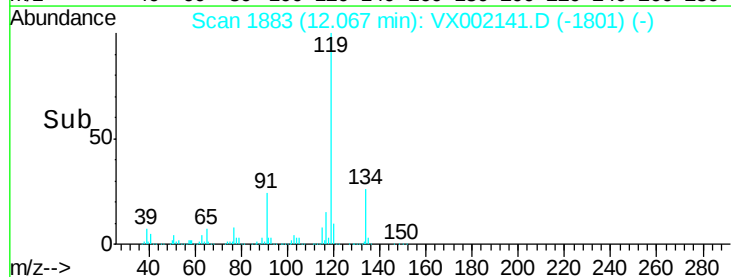
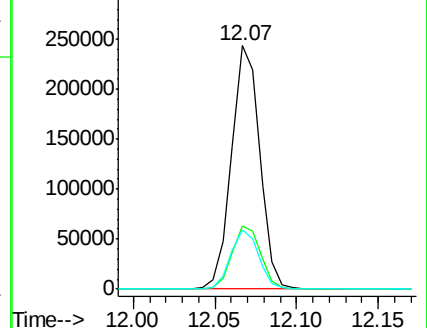
91 24.4 0.0 48.0

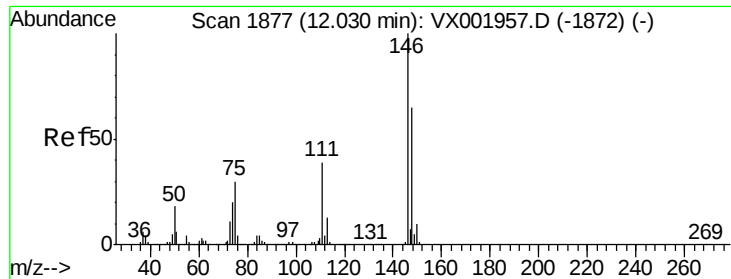


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





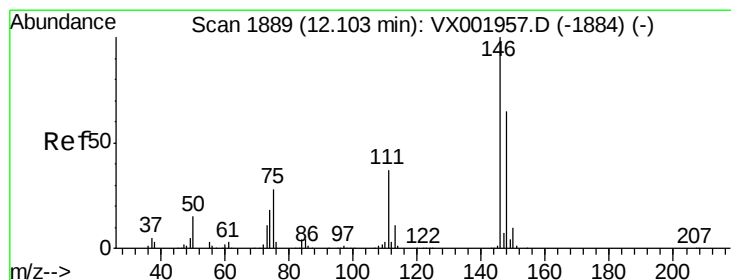
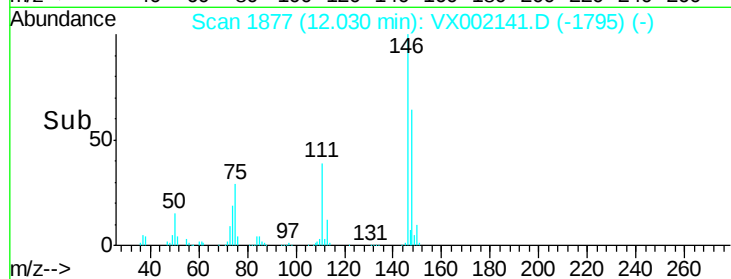
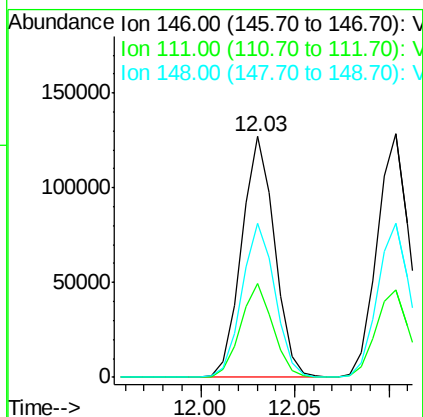
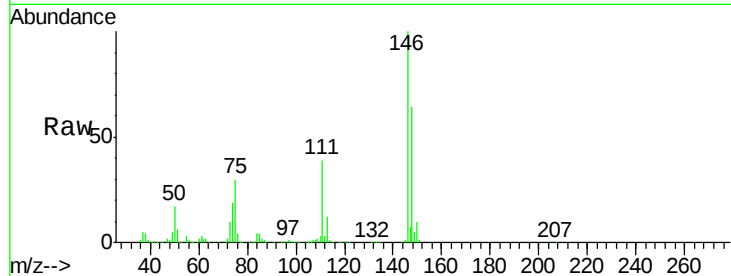
#83
 1,3-Dichlorobenzene
 Concen: 19.59 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002141.D
 Acq: 30 May 2018 15:16

Instrument :
 MSVOA_X
 ClientSampled :
 VX0530WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.5
148	63.7	31.9	95.7

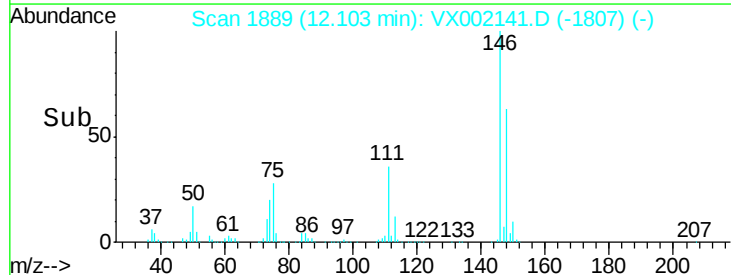
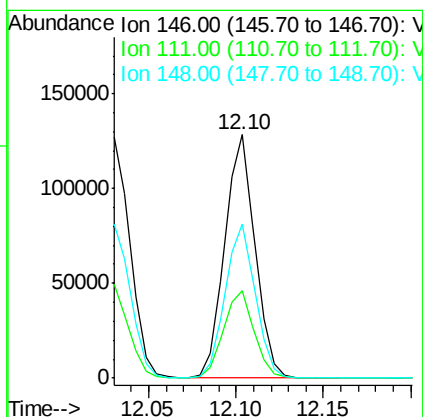
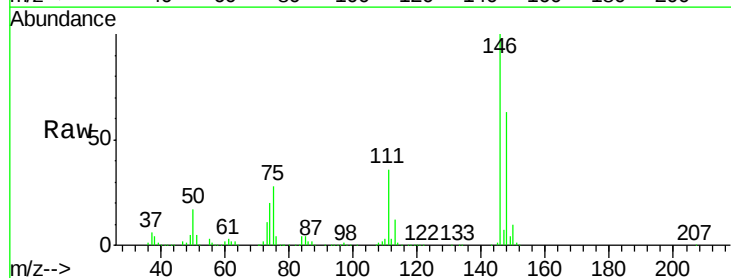
Manual Integrations
 APPROVED

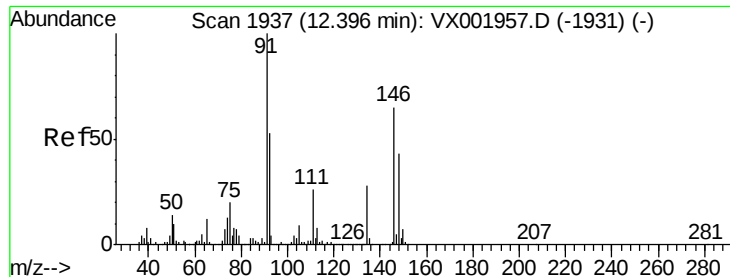
MMDadoda
 5/31/2018 3:07:45 PM



#84
 1,4-Dichlorobenzene
 Concen: 19.75 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002141.D
 Acq: 30 May 2018 15:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.5	55.5
148	63.1	32.0	96.0





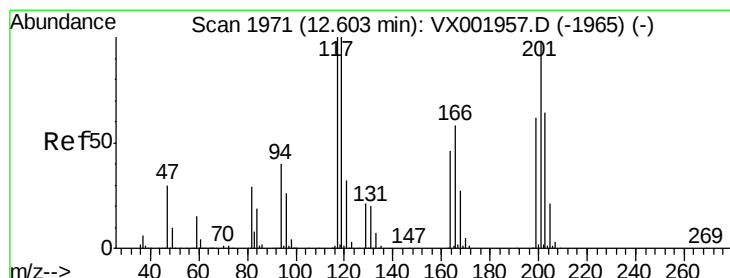
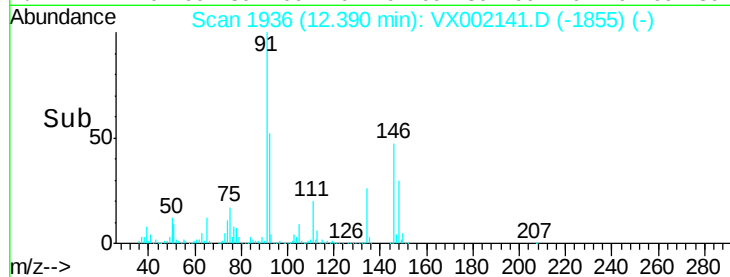
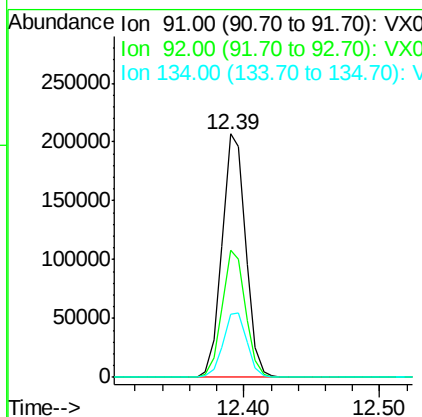
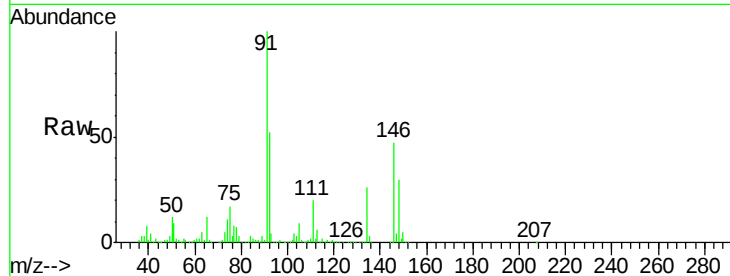
#85
n-Butylbenzene
Concen: 20.09 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	248697		
92	51.8	0.0	105.2	
134	26.6	0.0	53.2	

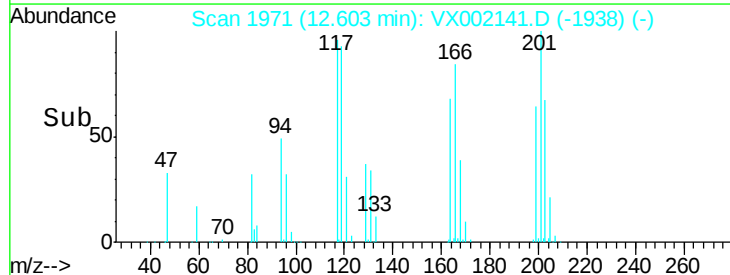
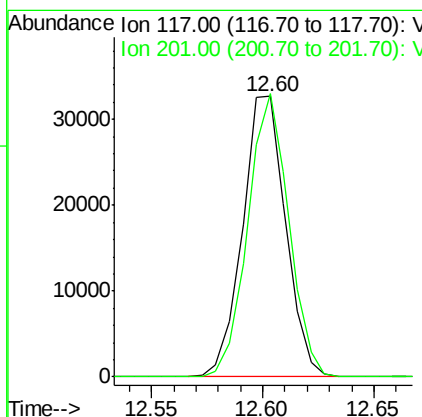
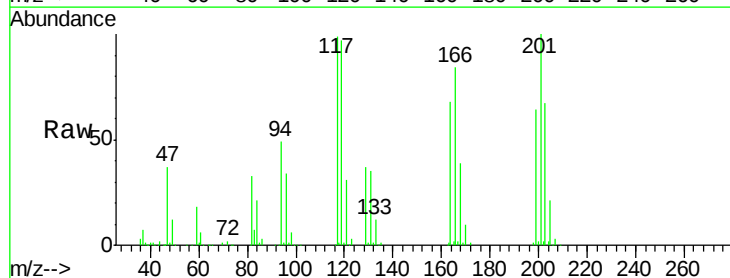
Manual Integrations
APPROVED

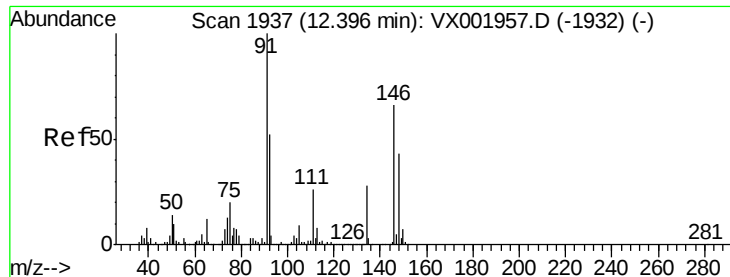
MMDadoda
5/31/2018 3:07:45 PM



#86
Hexachloroethane
Concen: 15.05 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	44188		
201	95.6	47.6	142.8	





#87

1,2-Dichlorobenzene

Concen: 19.87 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

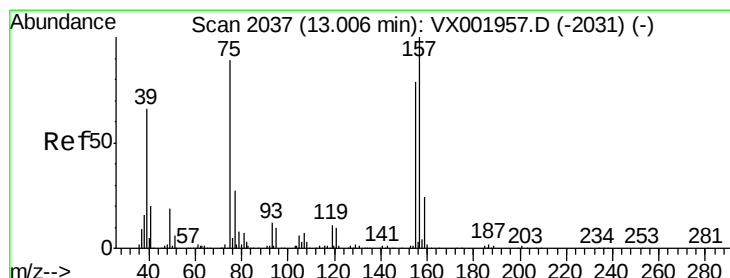
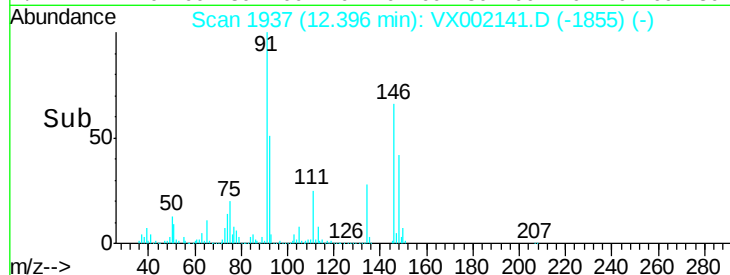
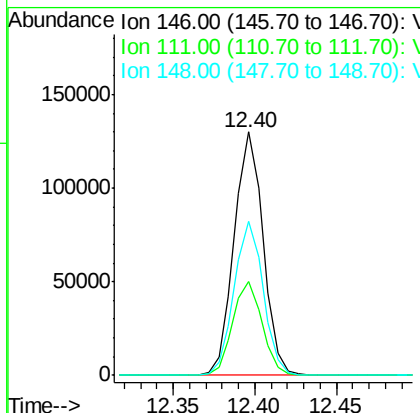
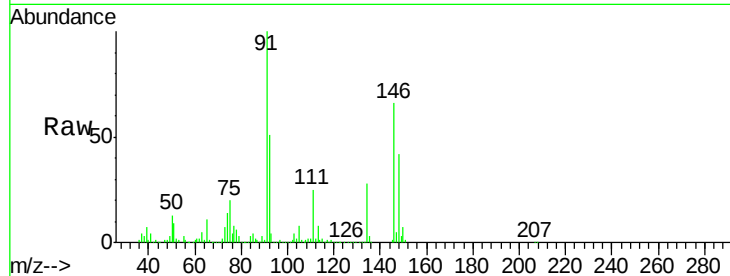
ClientSampleId :

VX0530WBS01

Tot Ion:	146	Resp:	161256
Ion Ratio	Lower	Upper	
146	100		
111	38.9	20.0	59.9
148	63.5	32.8	98.3

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 15.23 ug/l

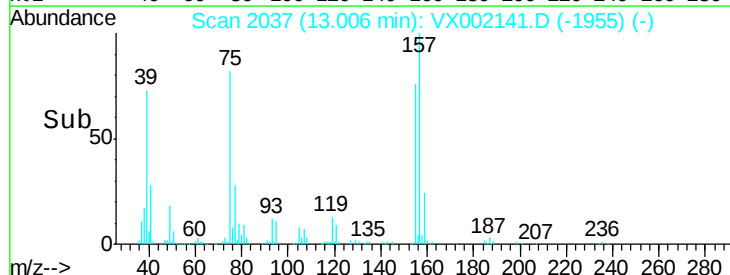
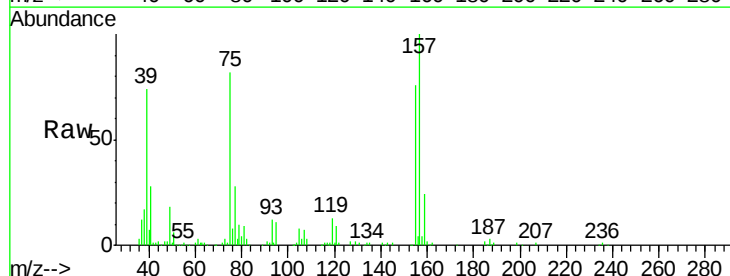
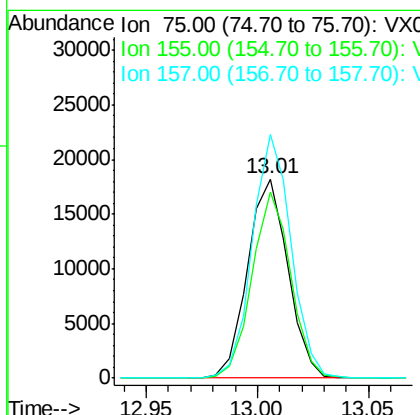
RT: 13.01 min Scan# 2037

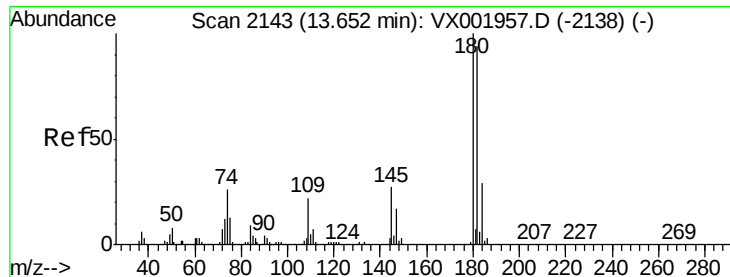
Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Tgt Ion:	75	Resp:	23021
Ion Ratio	Lower	Upper	
75	100		
155	89.6	73.1	109.7
157	117.5	93.1	139.7





#89

1,2,4-Trichlorobenzene

Concen: 19.20 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Instrument :

MSVOA_X

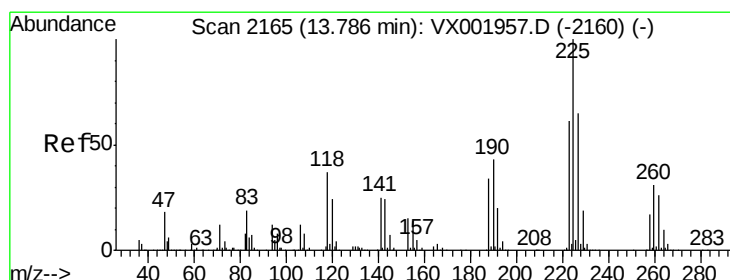
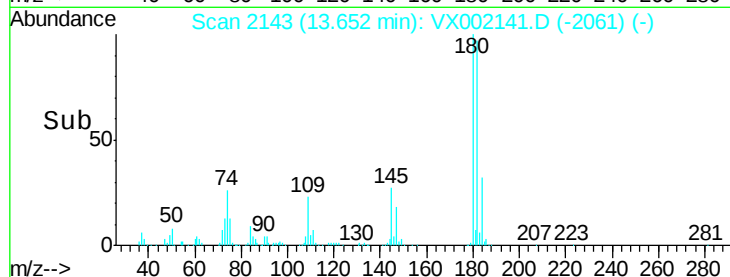
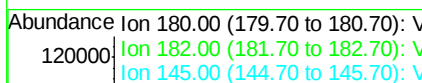
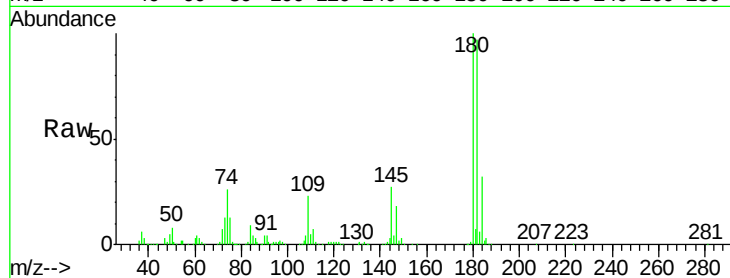
ClientSampled :

VX0530WBS01

Tot Ion:	180	Resp:	110678
Ion Ratio	Lower	Upper	
180	100		
182	95.3	76.4	114.6
145	28.2	22.9	34.3

Manual Integrations
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#90

Hexachlorobutadiene

Concen: 19.77 ug/l

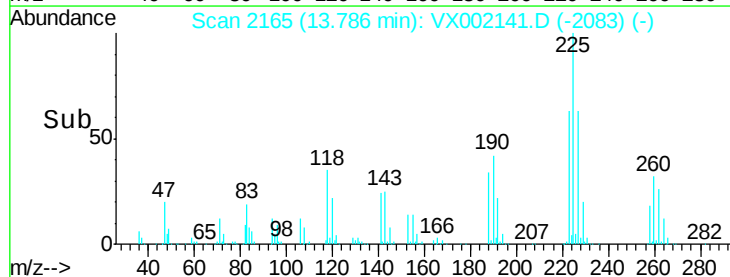
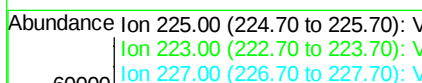
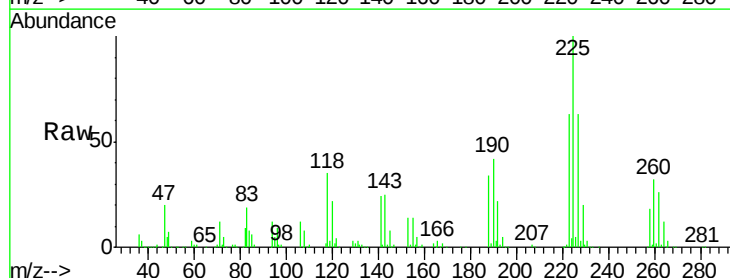
RT: 13.79 min Scan# 2165

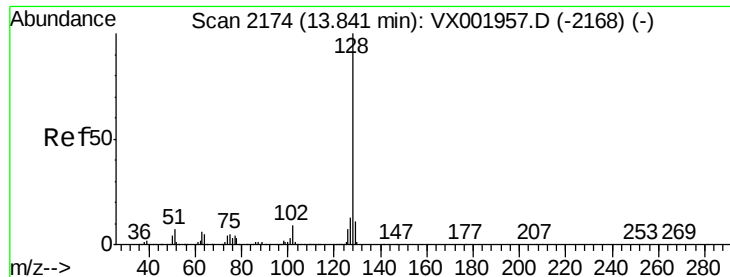
Delta R.T. 0.00 min

Lab File: VX002141.D

Acq: 30 May 2018 15:16

Tgt Ion:	225	Resp:	60598
Ion Ratio	Lower	Upper	
225	100		
223	62.6	0.0	122.4
227	63.8	0.0	128.0





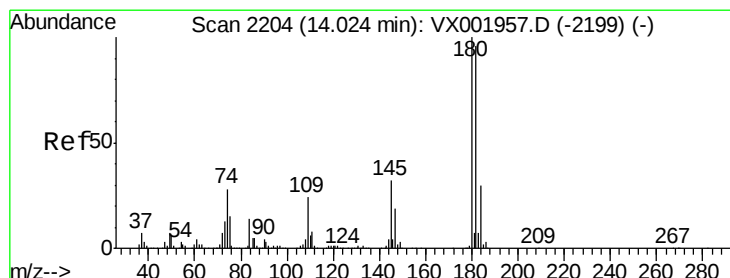
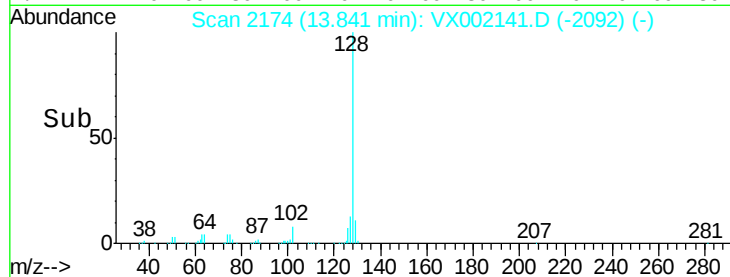
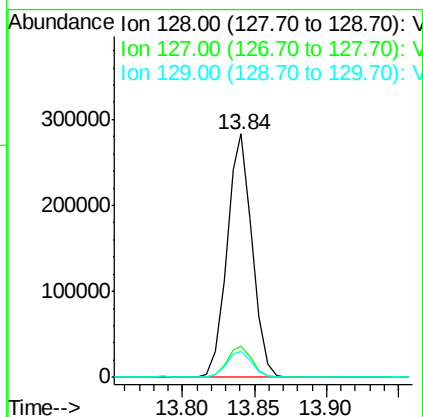
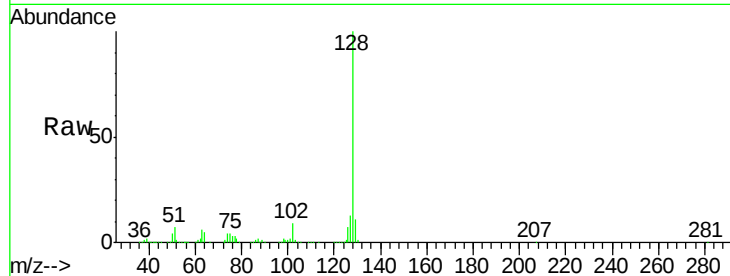
#91
Naphthalene
Concen: 19.02 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	345956		
127	12.8		10.3	15.5
129	10.9		8.9	13.3

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#92
1,2,3-Trichlorobenzene
Concen: 19.30 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX002141.D
Acq: 30 May 2018 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	116184		
182	95.6		0.0	191.0
145	30.1		0.0	60.6

