

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053018\
 Data File : VX002134.D
 Acq On : 30 May 2018 11:33
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 3:07:44 PM

Quant Time: May 31 05:15:25 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	5.02	128	60068	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	350222	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	320655	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	144555	30.58	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.93%
60) 4-Bromofluorobenzene	11.14	95	161417	29.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.03%
63) Toluene-d8	8.72	98	429529	30.05	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.17%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	63312	19.85	ug/l	99
3) Chloromethane	1.32	50	74479	19.63	ug/l	100
4) Vinyl Chloride	1.40	62	77571	20.56	ug/l	98
5) Bromomethane	1.64	94	42639	20.17	ug/l	100
6) Chloroethane	1.73	64	49834	22.32	ug/l	98
7) Trichlorofluoromethane	1.93	101	132382	23.00	ug/l	100
8) Diethyl Ether	2.19	74	48237	22.27	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	77398	24.97	ug/l	97
10) 1,1-Dichloroethene	2.37	96	65911	22.06	ug/l	98
11) Methyl Iodide	2.51	142	53757	11.45	ug/l	98
12) Methyl Acetate	2.78	43	110731	22.86	ug/l	97
13) Acrolein	2.29	56	21083	51.12	ug/l	98
14) Acrylonitrile	3.15	53	208179	104.46	ug/l	99
15) Acetone	2.45	58	58109	109.37	ug/l	95
16) Carbon Disulfide	2.57	76	156631	18.35	ug/l	100
17) Allyl chloride	2.73	41	140209	22.73	ug/l	96
18) Methylene Chloride	2.86	84	74307	22.12	ug/l	96
19) trans-1,2-Dichloroethene	3.17	96	68832	21.78	ug/l	93
20) Diisopropyl ether	3.87	45	271023	23.01	ug/l	98
21) 1,1-Dichloroethane	3.70	63	141351	22.55	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	74963	19.90	ug/l	86
23) tert-Butyl Alcohol	3.06	59	100456	97.18	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	253306	21.71	ug/l	98
25) Chloroform	5.22	83	129844	19.70	ug/l	99
26) Cyclohexane	5.58	56	118919	20.61	ug/l	# 99
29) 1,1-Dichloropropene	5.80	75	96310	19.66	ug/l	99
30) 2-Butanone	4.71	43	296388	86.72	ug/l	99
31) 2,2-Dichloropropane	4.59	77	113209	26.29	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	116276	18.17	ug/l	99
33) Carbon Tetrachloride	5.79	117	101292	17.42	ug/l	96
34) Benzene	6.15	78	281030	18.99	ug/l	100
35) Methacrylonitrile	5.07	41	65121	17.21	ug/l	95
36) 1,2-Dichloroethane	6.20	62	108249	18.78	ug/l	100
37) Trichloroethene	7.21	130	81282	19.37	ug/l	96
38) Methylcyclohexane	7.46	83	121454	21.24	ug/l	100
39) 1,2-Dichloropropane	7.52	63	77297	19.32	ug/l	99
40) Dibromomethane	7.67	93	49658	18.50	ug/l	98

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Quant Time: May 31 05:15:25 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	95710	17.19	ug/l	100
42) Vinyl Acetate	3.82	43	1159601	107.24	ug/l	99
43) Ethyl Acetate	4.86	43	114342	17.04	ug/l	99
44) Isopropyl Acetate	6.46	43	197897	17.74	ug/l	100
45) 1,4-Dioxane	7.76	88	36651m	345.36	ug/l	
46) Methyl methacrylate	7.78	41	99927	17.69	ug/l	96
47) n-amyl Acetate	10.90	43	184762	18.00	ug/l #	91
48) t-1,3-Dichloropropene	8.44	75	117307	18.75	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	108347	17.89	ug/l	96
50) 1,1,2-Trichloroethane	9.22	97	74462	19.32	ug/l	98
51) Ethyl methacrylate	9.18	69	120471	18.05	ug/l	99
52) 1,3-Dichloropropane	9.37	76	124325	19.13	ug/l	99
53) Dibromochloromethane	9.59	129	76374	16.22	ug/l	100
54) 1,2-Dibromoethane	9.68	107	76672	18.38	ug/l	98
55) 2-Chloroethyl vinyl ether	8.32	63	366784	117.07	ug/l	100
56) Bromoform	10.86	173	59040	14.26	ug/l	100
58) 4-Methyl-2-Pentanone	8.65	43	620390	88.91	ug/l	100
59) 2-Hexanone	9.50	43	480392	88.72	ug/l	99
61) Tetrachloroethene	9.34	164	93419	19.10	ug/l	97
62) Toluene	8.79	91	321489	19.63	ug/l	96
64) Chlorobenzene	10.14	112	207201	19.55	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	77256	17.91	ug/l	100
66) Ethyl Benzene	10.26	91	362235	19.68	ug/l	99
67) m/p-Xylenes	10.36	106	276867	39.63	ug/l	98
68) o-Xylene	10.70	106	136484	19.50	ug/l	99
69) Styrene	10.71	104	222353	18.93	ug/l	100
70) Isopropylbenzene	11.02	105	374314	19.98	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	108013	18.40	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	97890m	17.70	ug/l	
73) Bromobenzene	11.26	156	97610	19.40	ug/l	97
74) n-propylbenzene	11.37	91	430148	20.57	ug/l	100
75) 2-Chlorotoluene	11.43	91	253140	19.63	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	318121	19.97	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	31951	15.95	ug/l	85
78) 4-Chlorotoluene	11.51	91	293531	20.01	ug/l	100
79) tert-butylbenzene	12.07	119	344792	20.65	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	324194	20.13	ug/l	98
81) sec-Butylbenzene	11.95	105	385008	20.62	ug/l	100
82) p-Isopropyltoluene	12.07	119	344792	20.65	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	176813	19.83	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	180628	20.35	ug/l	99
85) n-Butylbenzene	12.39	91	298763	21.33	ug/l	99
86) Hexachloroethane	12.60	117	51454	15.48	ug/l	100
87) 1,2-Dichlorobenzene	12.40	146	179483	19.55	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.01	75	25224	14.75	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	134634	20.64	ug/l	99
90) Hexachlorobutadiene	13.79	225	72071	20.77	ug/l	99
91) Naphthalene	13.84	128	391631	19.03	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	134065	19.68	ug/l	98

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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

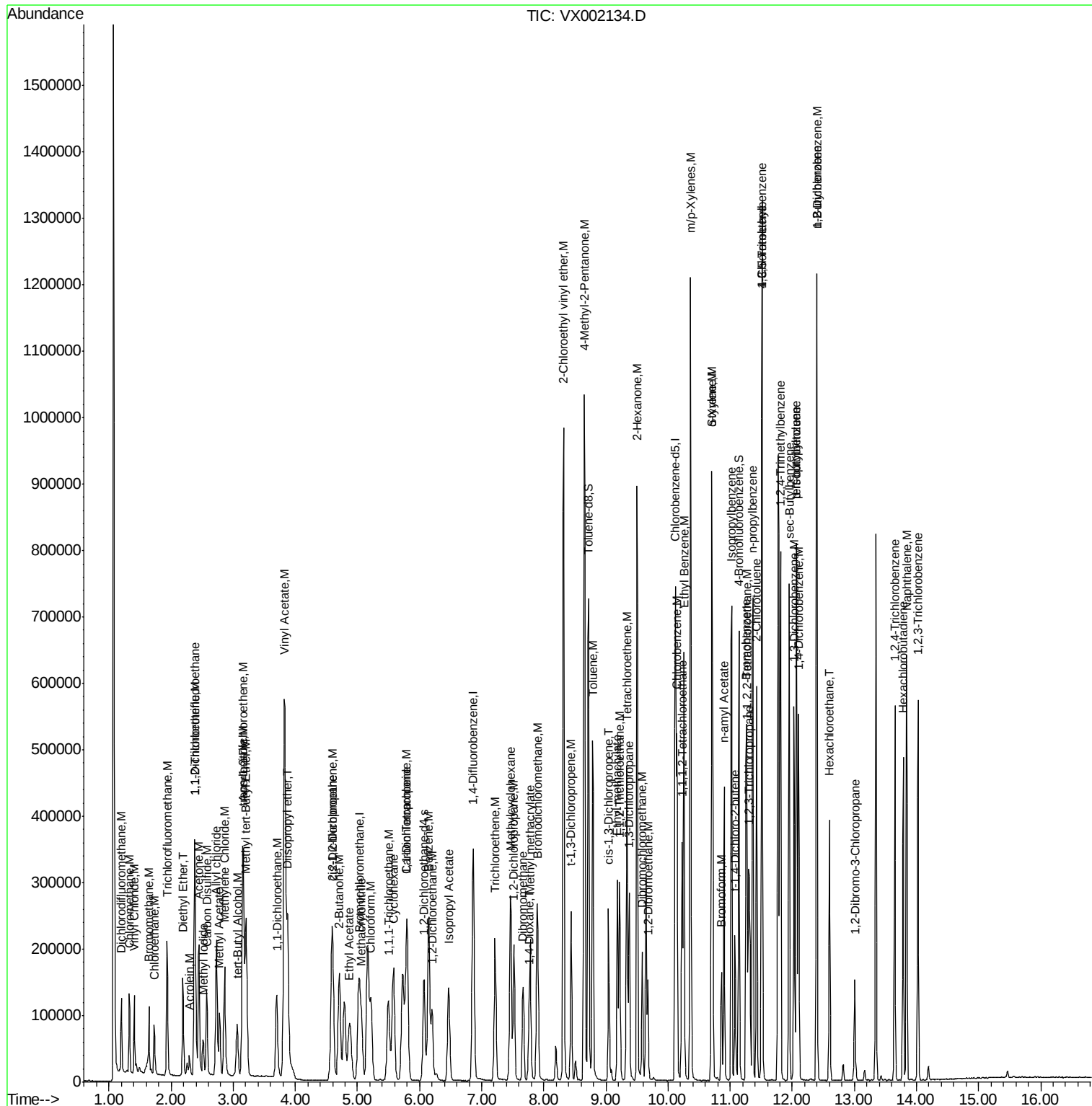
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053018\
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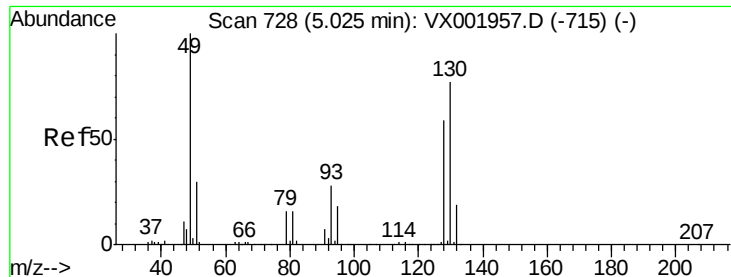
Instrument :
MSVOA_X
Client Sample Id :
VSTDCCC020

Manual Integrations
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5/31/2018 3:07:44 PM

Quant Time: May 31 05:15:25 2018
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Instrument :

MSVOA_X

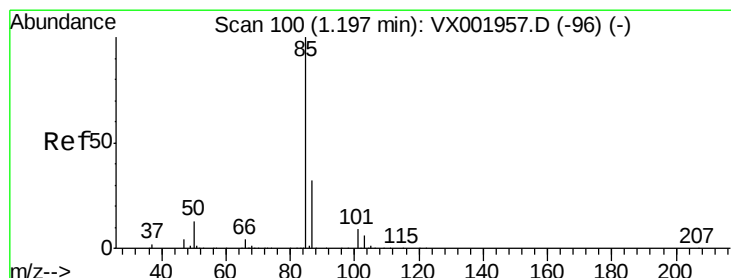
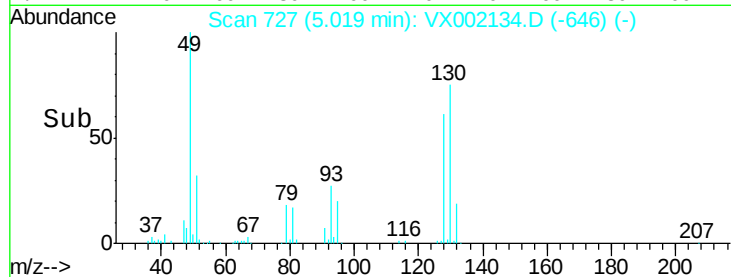
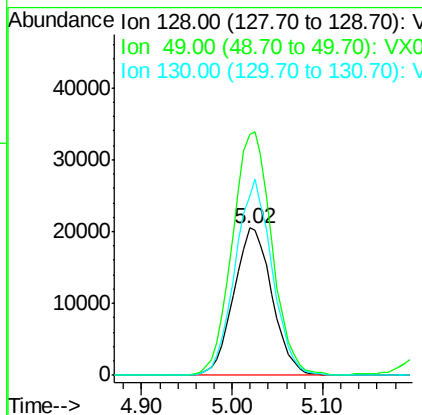
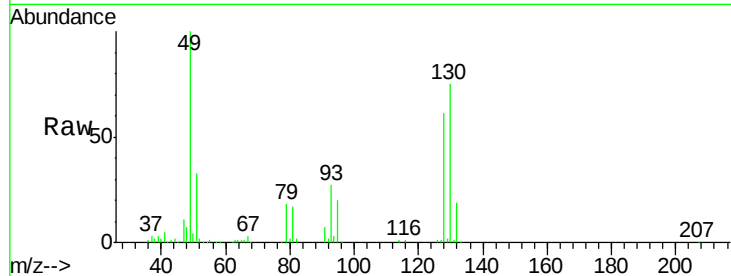
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	60068
Ion	Ratio	Lower	Upper
128	100		
49	170.6	0.0	423.0
130	128.5	0.0	324.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 19.85 ug/l

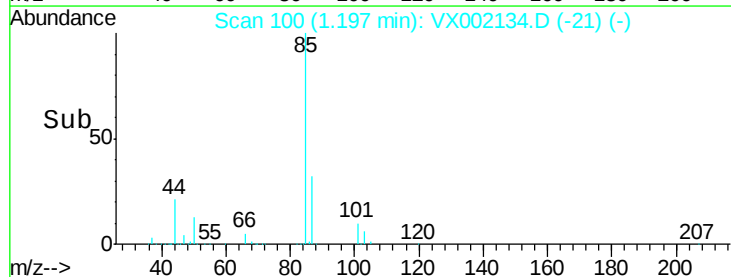
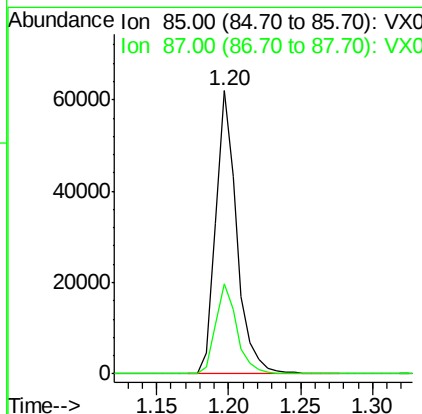
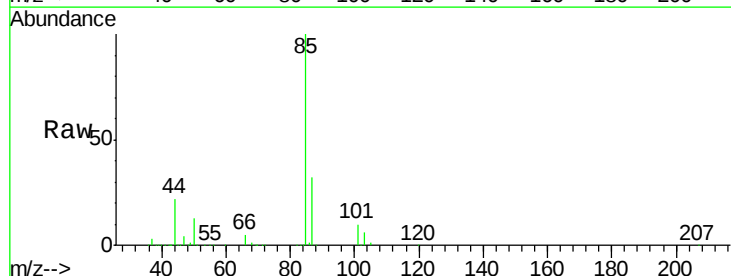
RT: 1.20 min Scan# 100

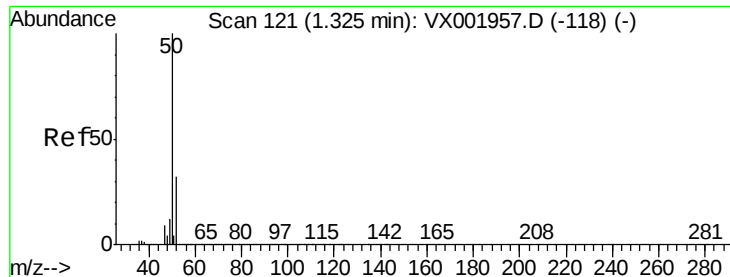
Delta R.T. -0.00 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Tgt Ion:	85	Resp:	63312
Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.2	48.5





#3

Chloromethane

Concen: 19.63 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 74479

Ion Ratio Lower Upper

50 100

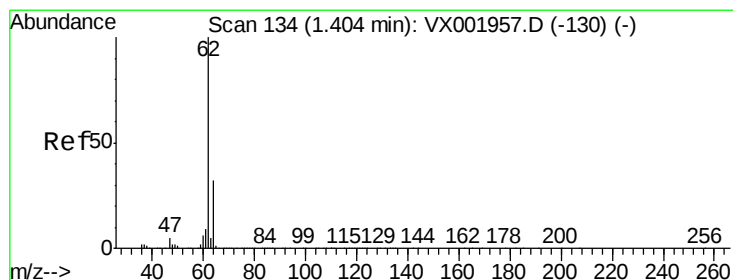
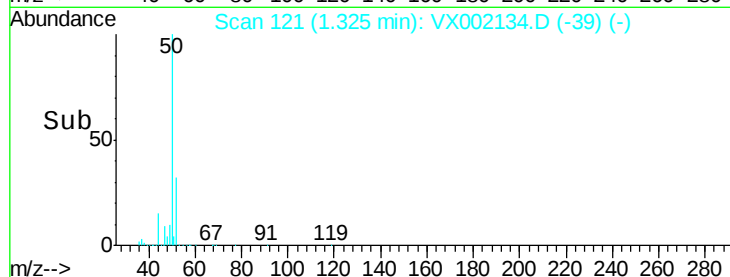
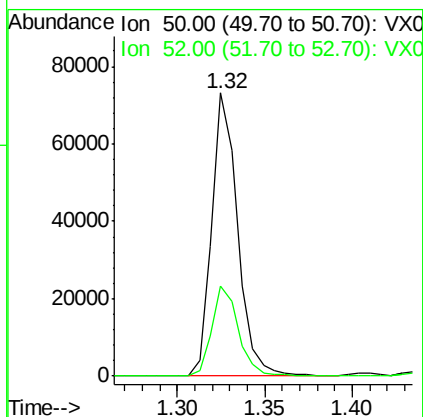
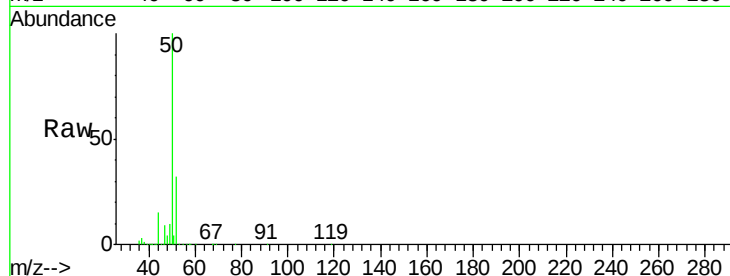
52 31.8 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.56 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002134.D

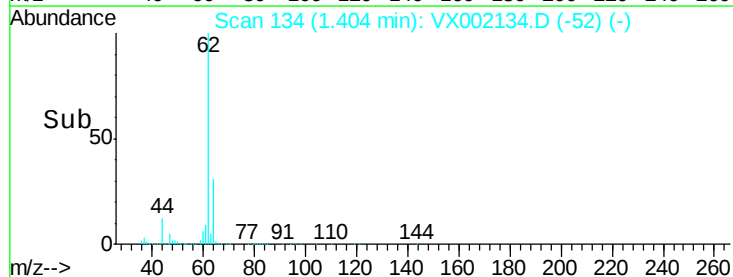
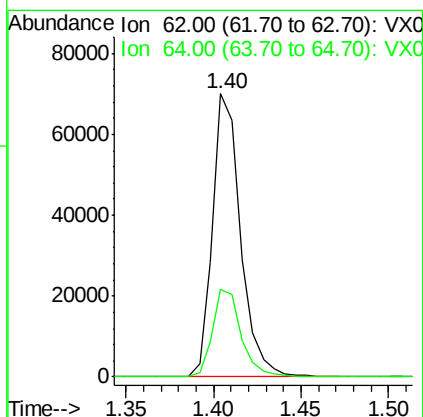
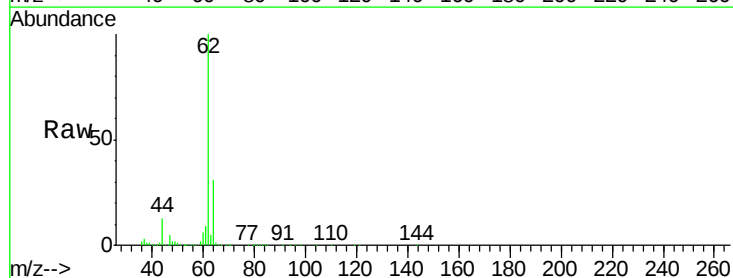
Acq: 30 May 2018 11:33

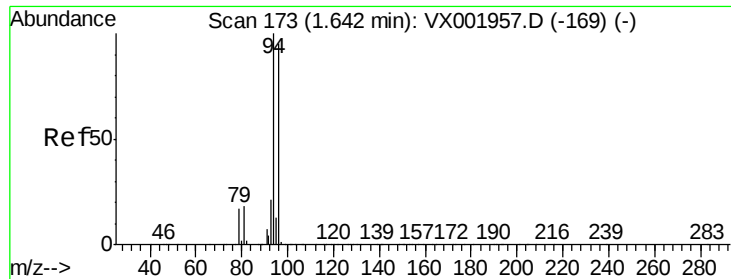
Tgt Ion: 62 Resp: 77571

Ion Ratio Lower Upper

62 100

64 30.7 25.3 37.9





#5

Bromomethane

Concen: 20.17 ug/l

RT: 1.64 min Scan# 173

Delta R.T. -0.00 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 42639

Ion Ratio Lower Upper

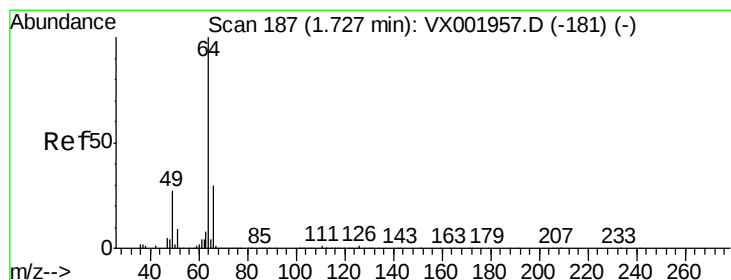
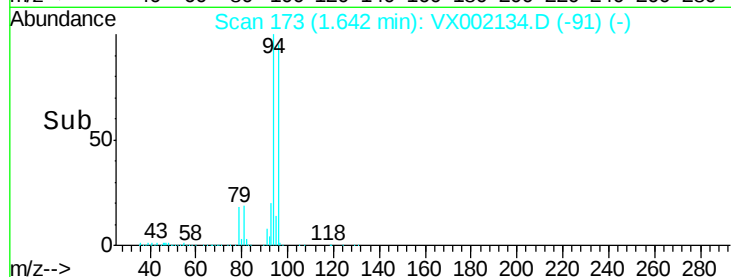
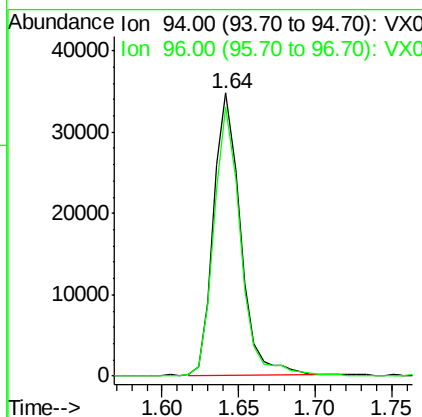
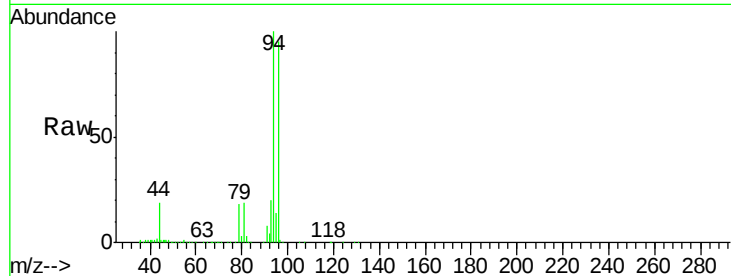
94 100

96 94.9 75.7 113.5

Manual Integrations
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#6

Chloroethane

Concen: 22.32 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX002134.D

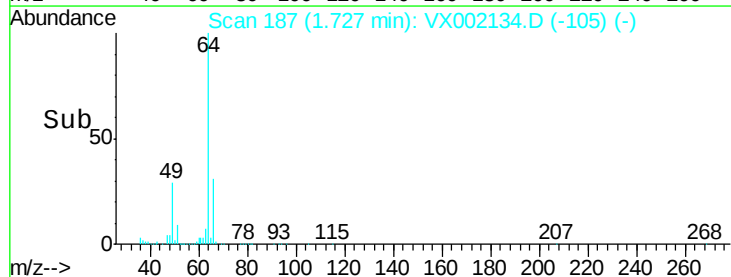
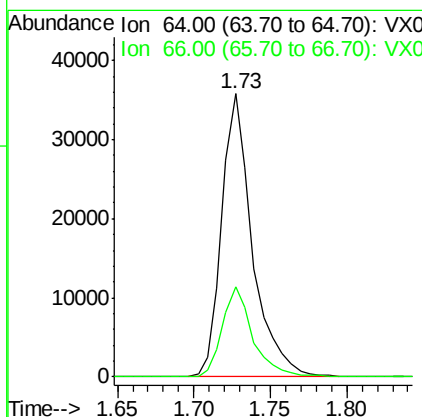
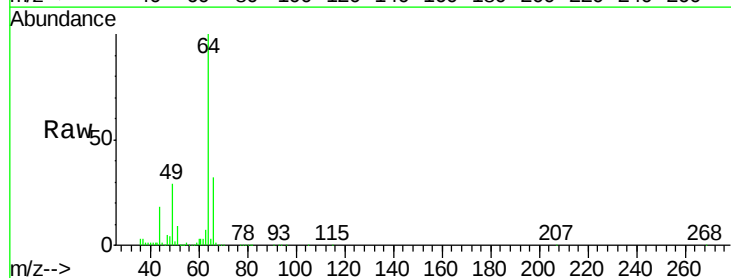
Acq: 30 May 2018 11:33

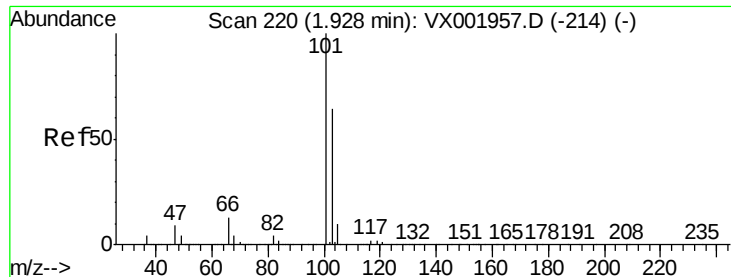
Tgt Ion: 64 Resp: 49834

Ion Ratio Lower Upper

64 100

66 31.3 24.3 36.5





#7

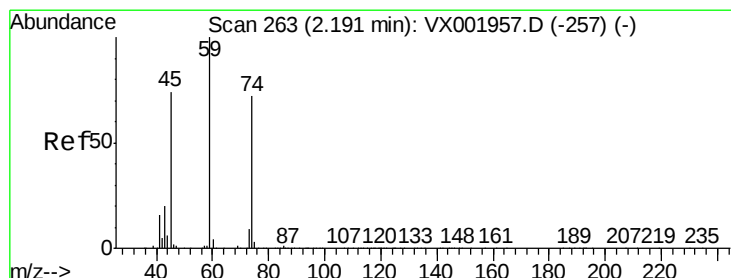
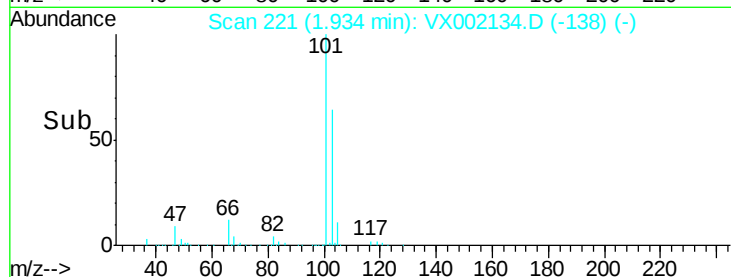
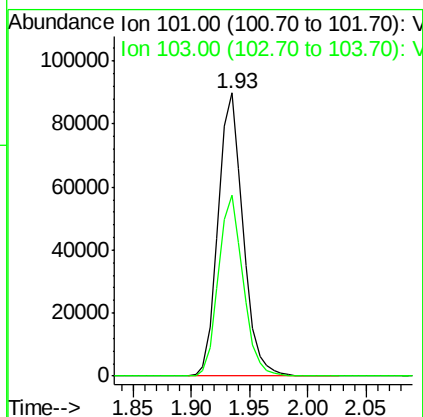
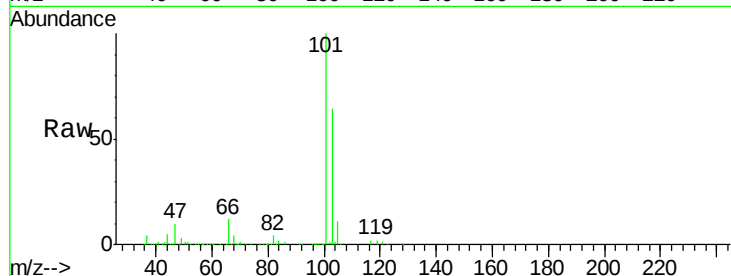
Trichlorofluoromethane
Concen: 23.00 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	132382		
103	64.0	51.5	77.3	

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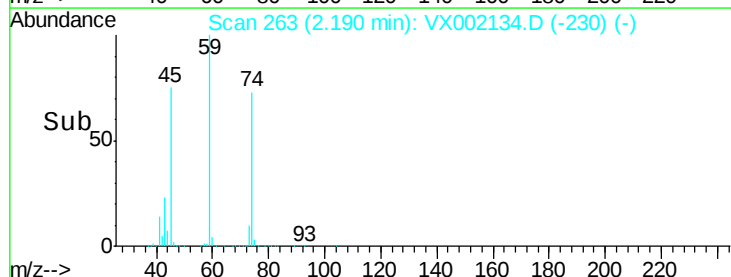
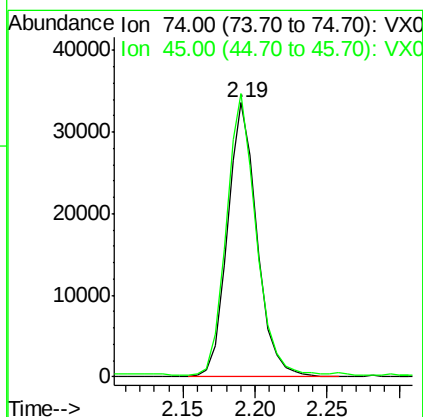
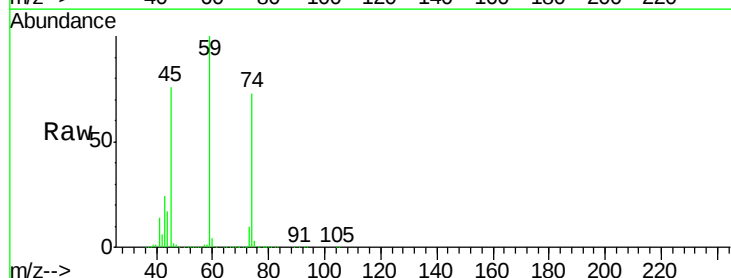
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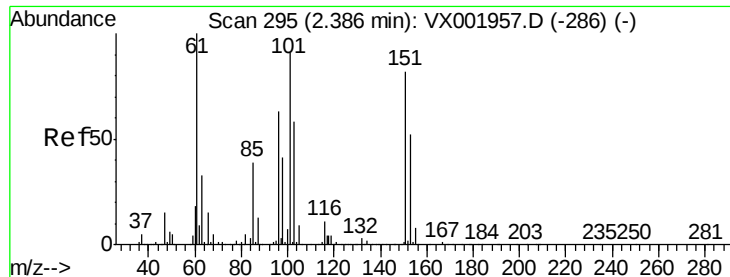


#8

Diethyl Ether
Concen: 22.27 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	48237		
45	103.6	20.5	184.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.97 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Instrument :

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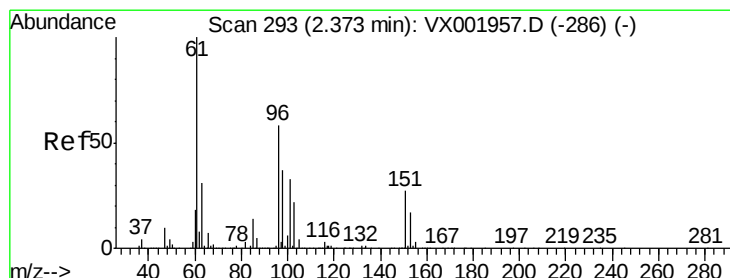
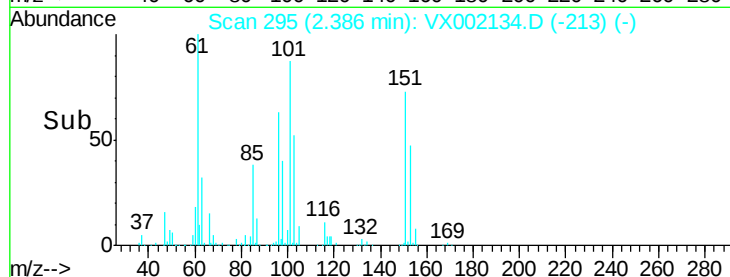
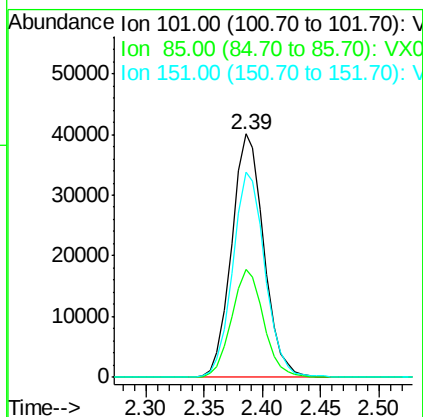
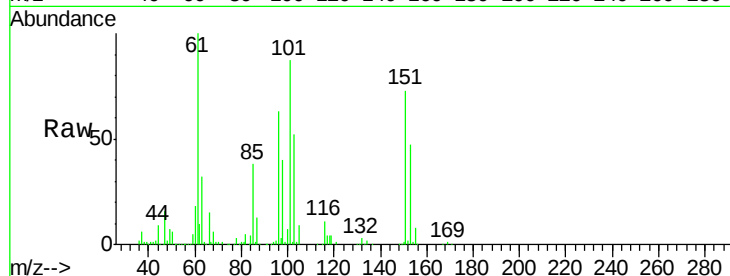
ClientSampled :

VSTDCCC020

Tot Ion:	101	Resp:	77398
Ion Ratio	Lower	Upper	
101	100		
85	43.9	0.0	87.0
151	84.5	0.0	177.6

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#10

1,1-Dichloroethene

Concen: 22.06 ug/l

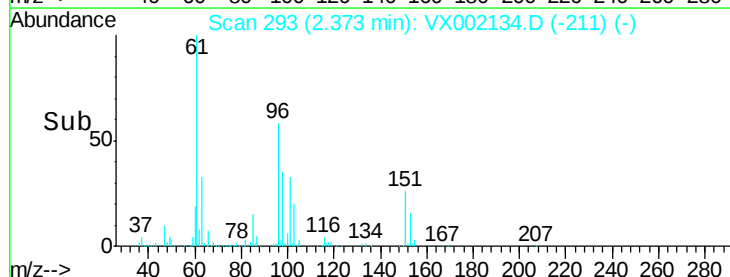
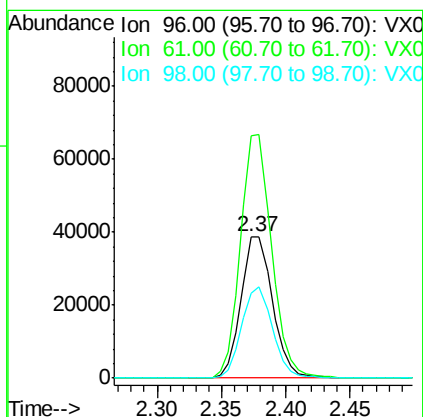
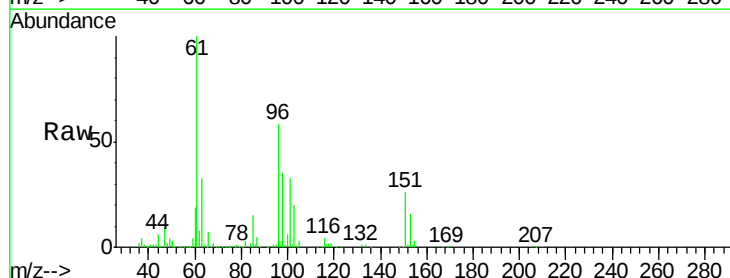
RT: 2.37 min Scan# 293

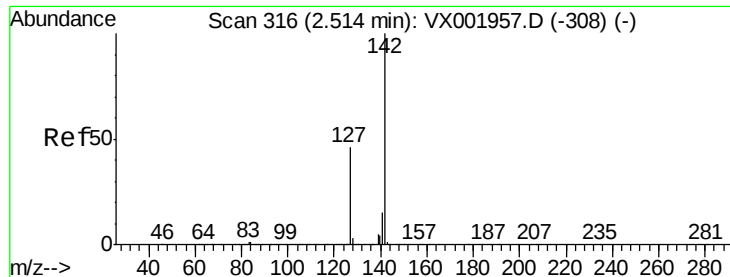
Delta R.T. -0.00 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Tgt Ion:	96	Resp:	65911
Ion Ratio	Lower	Upper	
96	100		
61	171.1	137.5	206.3
98	60.3	51.4	77.2





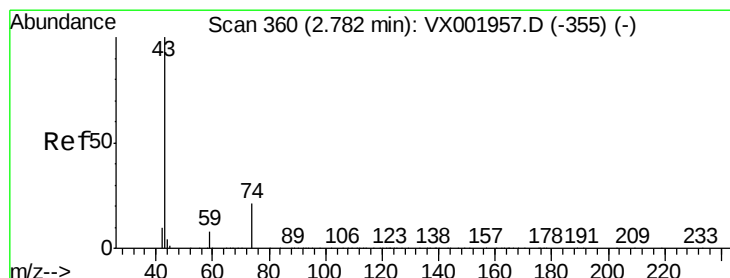
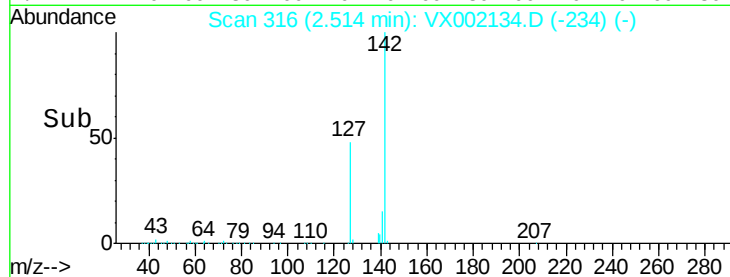
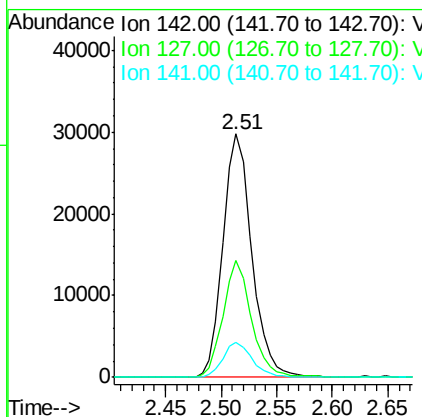
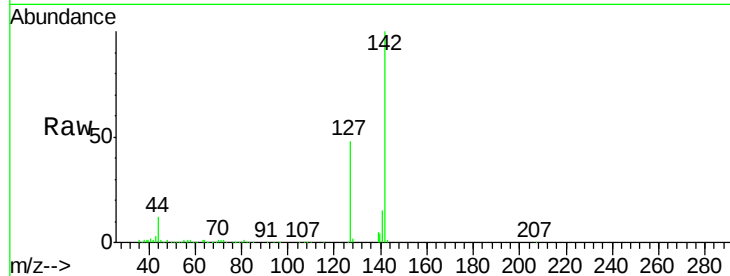
#11
Methvl Iodide
Concen: 11.45 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:	142	Resp:	53757
Ion Ratio	Lower	Upper	
142	100		
127	47.9	23.2	69.6
141	14.6	7.4	22.2

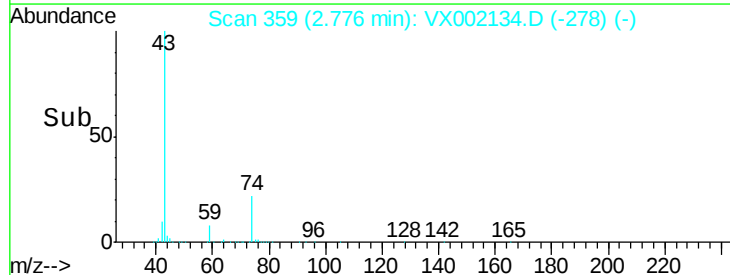
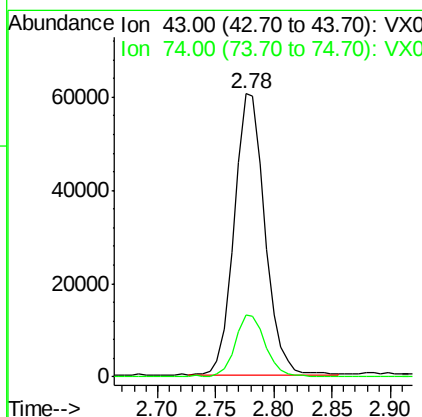
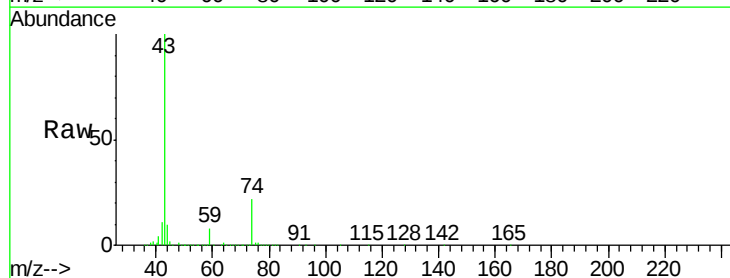
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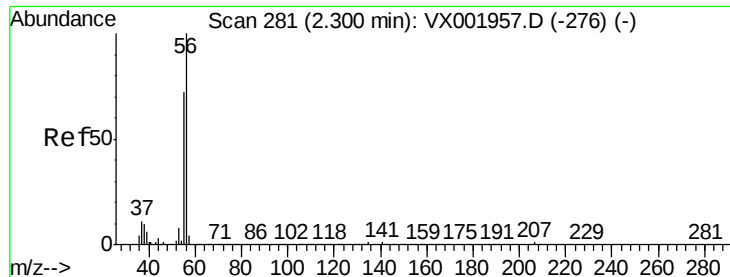
MMDadoda
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#12
Methyl Acetate
Concen: 22.86 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Tgt Ion:	43	Resp:	110731
Ion Ratio	Lower	Upper	
43	100		
74	21.9	16.4	24.6





#13

Acrolein

Concen: 51.12 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 56 Resp: 21083

Ion Ratio Lower Upper

56 100

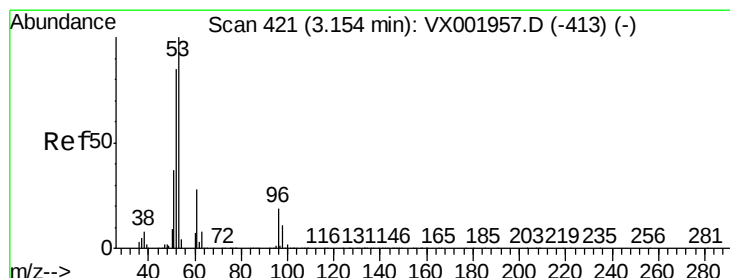
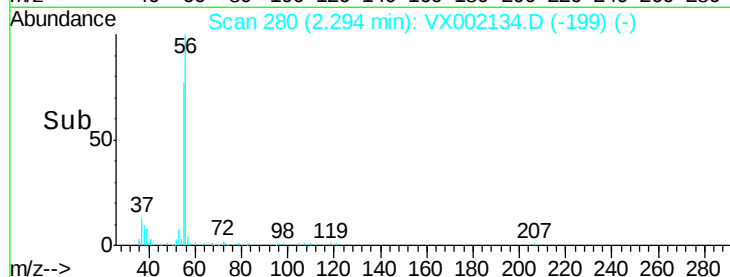
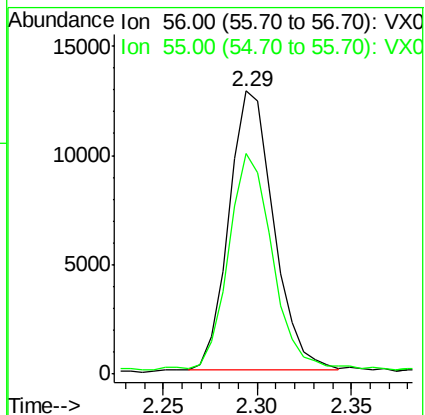
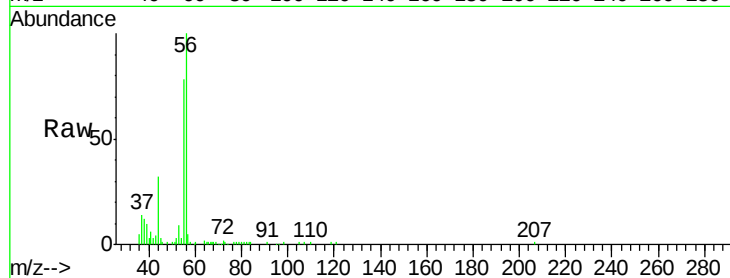
55 73.6 57.3 85.9

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#14

Acrylonitrile

Concen: 104.46 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

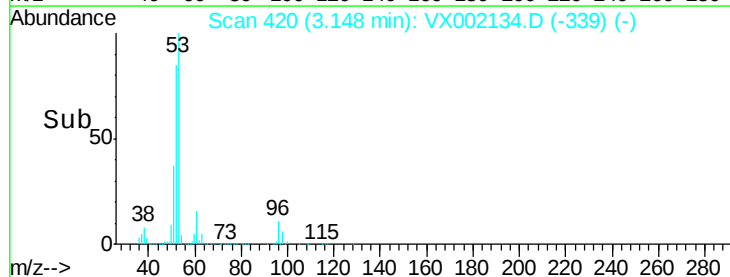
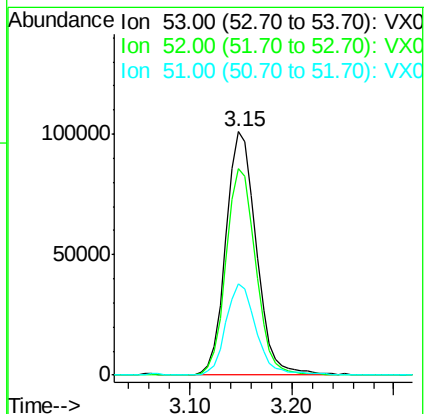
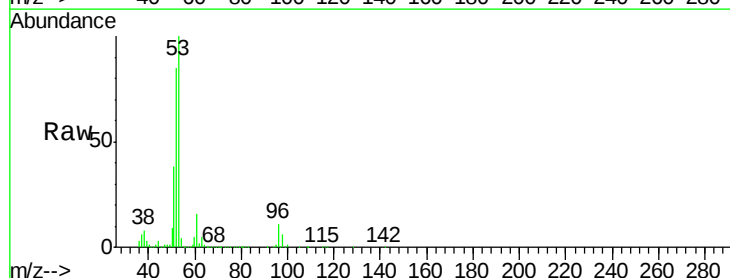
Tgt Ion: 53 Resp: 208179

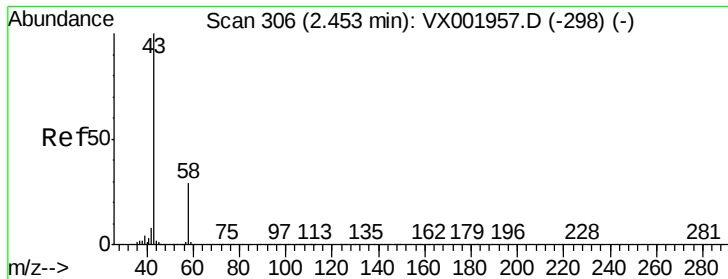
Ion Ratio Lower Upper

53 100

52 82.7 41.5 124.6

51 37.1 17.9 53.8





#15

Acetone

Concen: 109.37 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Tot Ion: 58 Resp: 58109

Ion Ratio Lower Upper

58 100

43 358.3 278.8 418.2

Instrument :

MSVOA_X

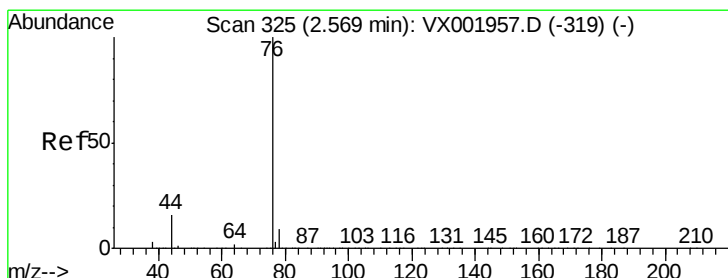
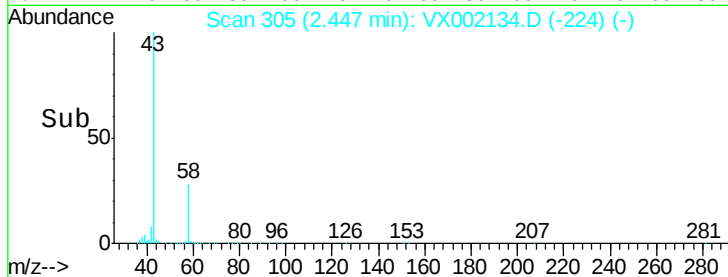
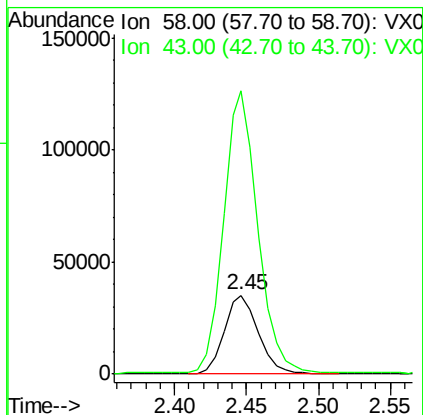
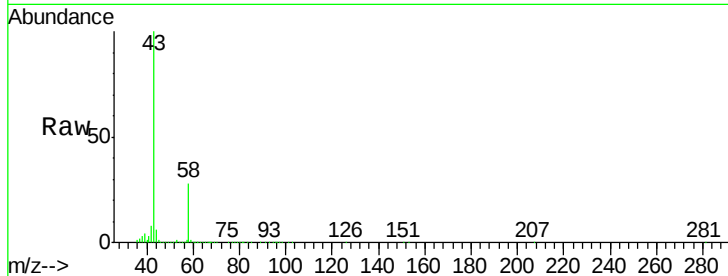
ClientSampleId :

VSTDCCC020

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#16

Carbon Disulfide

Concen: 18.35 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002134.D

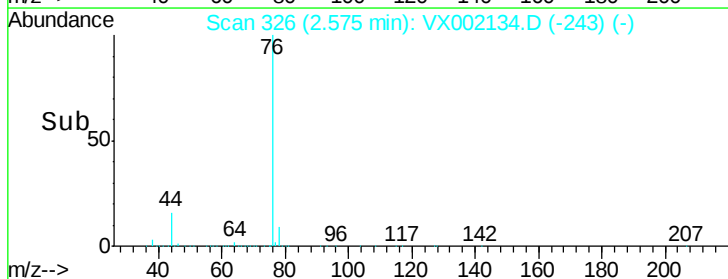
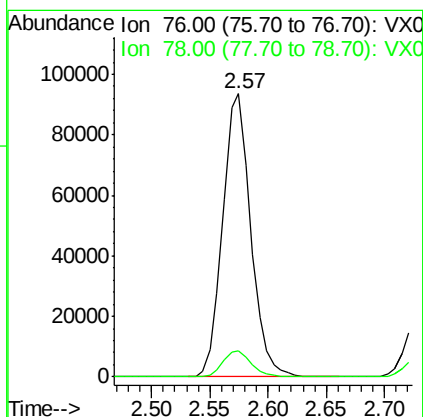
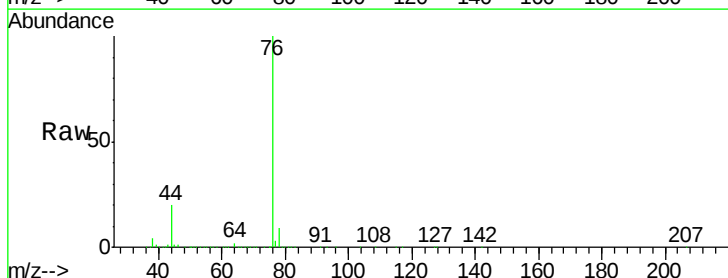
Acq: 30 May 2018 11:33

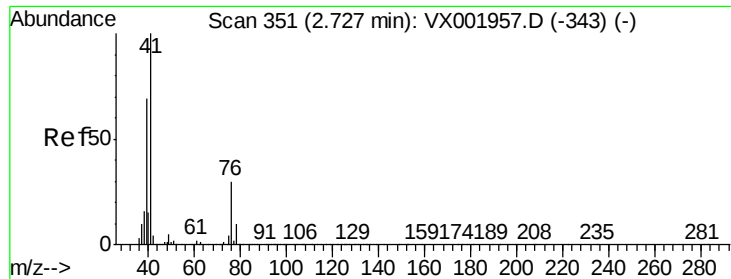
Tgt Ion: 76 Resp: 156631

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0





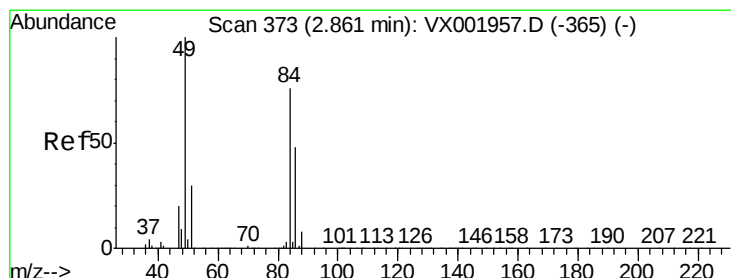
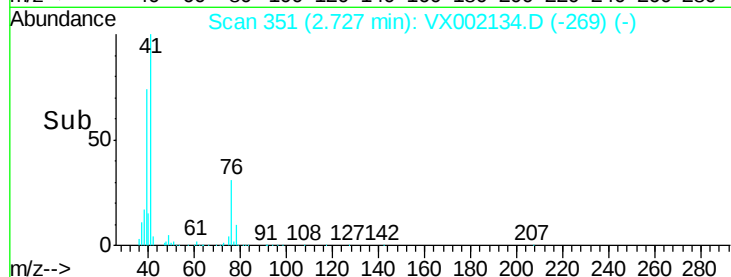
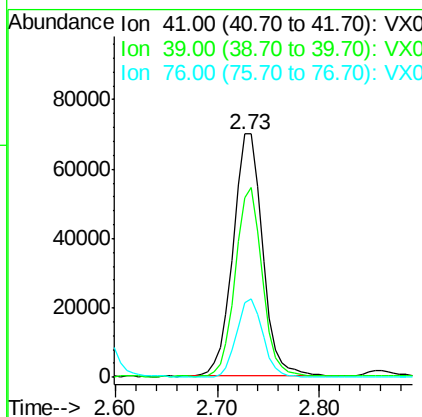
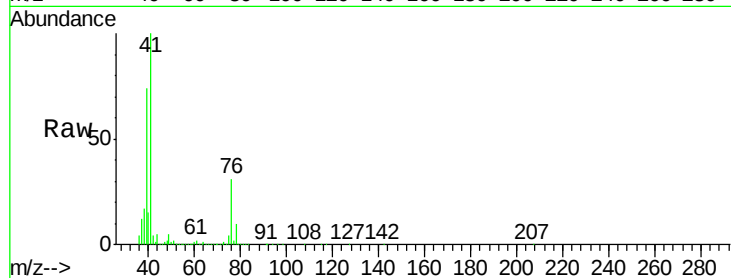
#17
Allvl chloride
Concen: 22.73 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	140209
Ion Ratio		Lower	Upper
41	100		
39	73.5	34.6	103.8
76	31.0	15.0	45.1

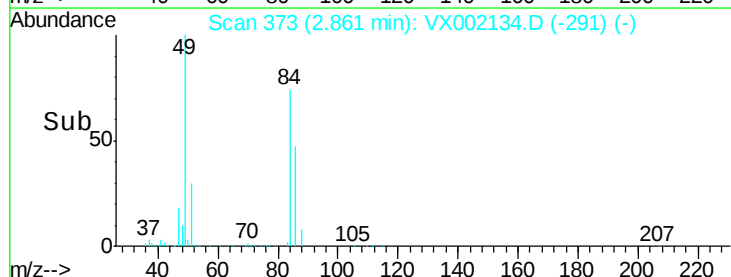
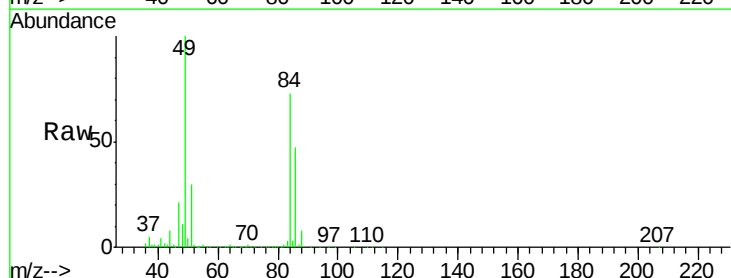
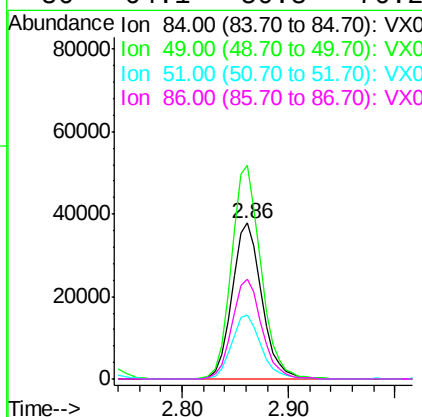
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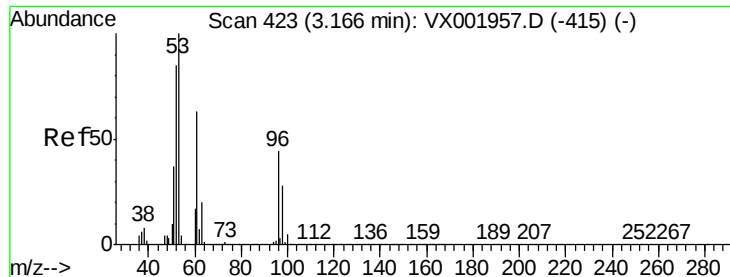
MMDadoda
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#18
Methylene Chloride
Concen: 22.12 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Tgt Ion:	84	Resp:	74307
Ion Ratio		Lower	Upper
84	100		
49	137.0	104.7	157.1
51	41.0	31.0	46.4
86	64.1	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 21.78 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Instrument :

MSVOA_X

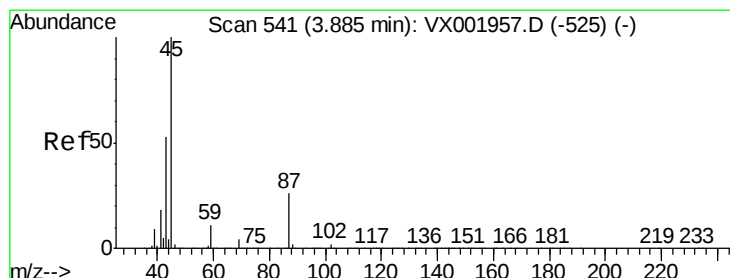
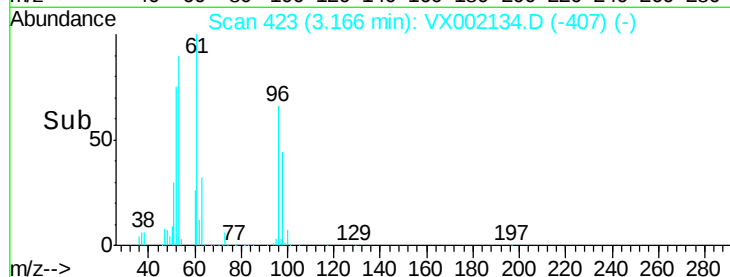
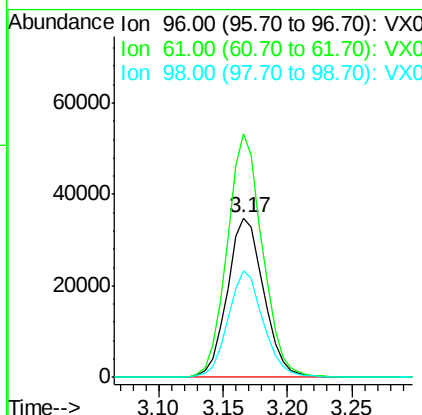
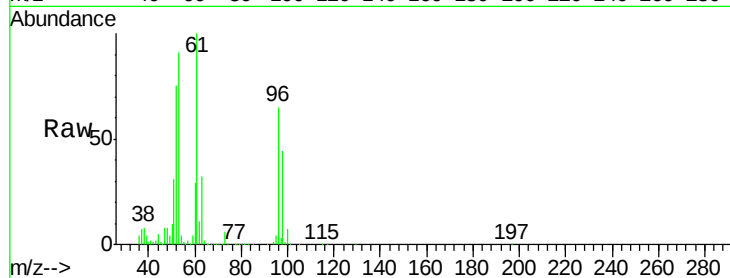
ClientSampleId :

VSTDCCC020

Tot Ion:	96	Resp:	68832
Ion	Ratio	Lower	Upper
96	100		
61	152.9	114.6	172.0
98	67.0	51.3	76.9

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#20

Diisopropyl ether

Concen: 23.01 ug/l

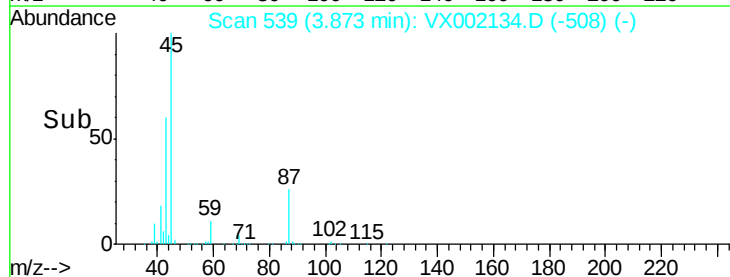
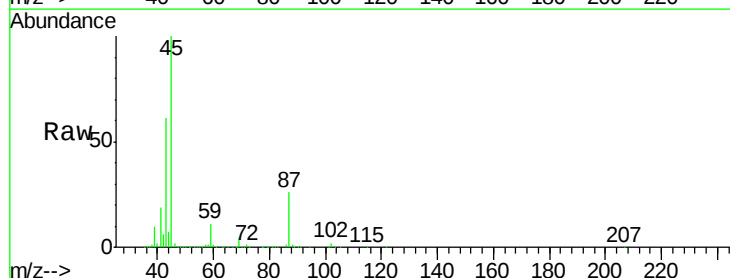
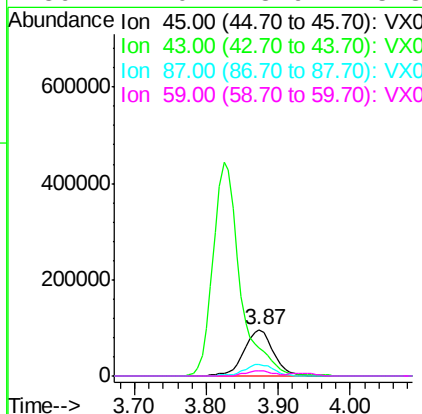
RT: 3.87 min Scan# 539

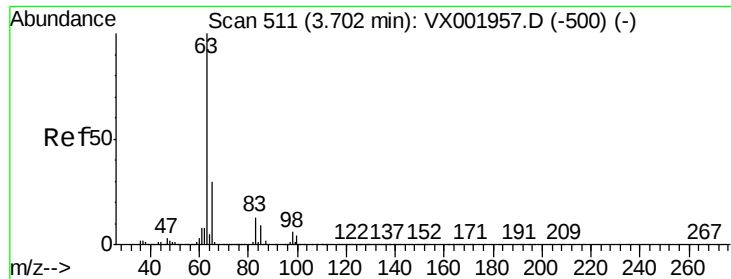
Delta R.T. -0.01 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Tgt Ion:	45	Resp:	271023
Ion	Ratio	Lower	Upper
45	100		
43	59.6	45.6	68.4
87	25.5	20.7	31.1
59	11.0	8.9	13.3





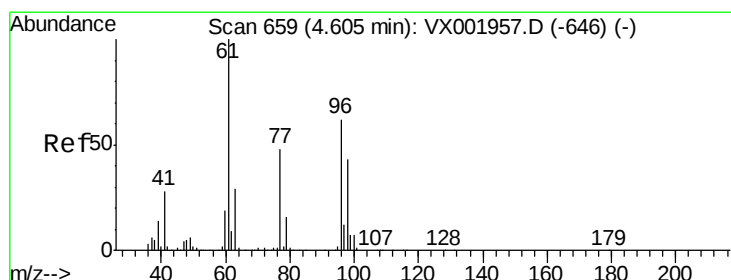
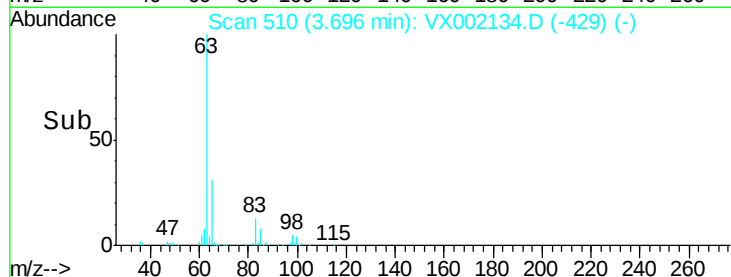
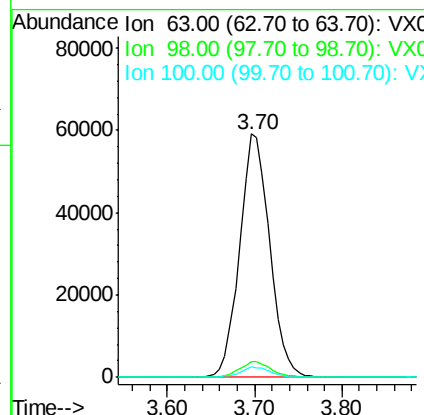
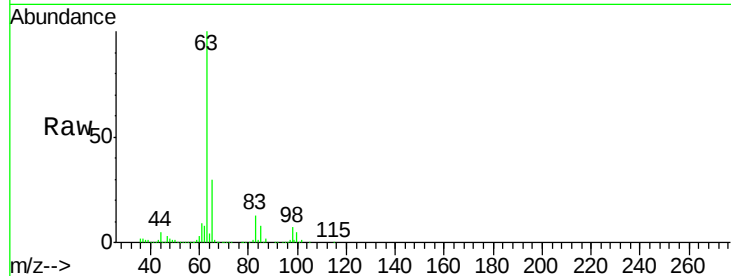
#21
 1,1-Dichloroethane
 Concen: 22.55 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.6	3.1	9.3	
100	4.5	2.2	6.6	

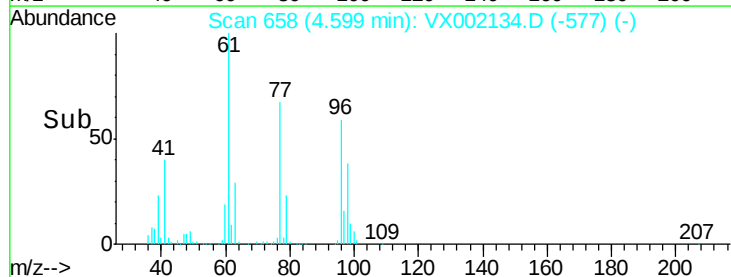
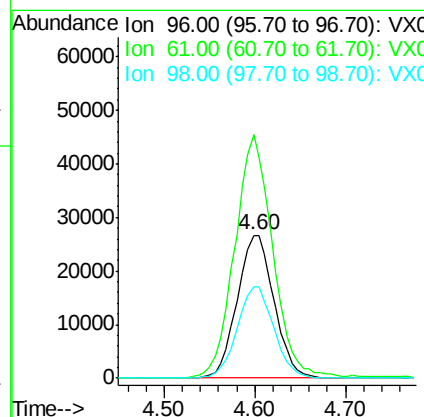
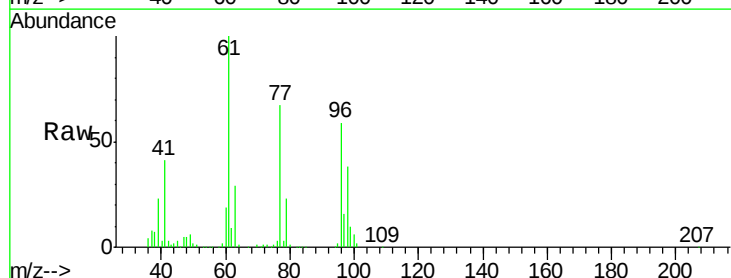
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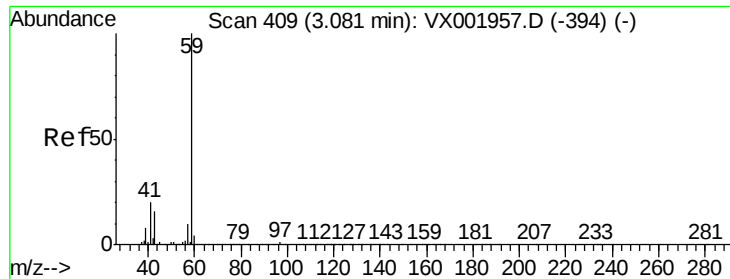
MMDadoda
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#22
 cis-1,2-Dichloroethene
 Concen: 19.90 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	175.2	160.2	240.2	
98	63.8	54.1	81.1	





#23

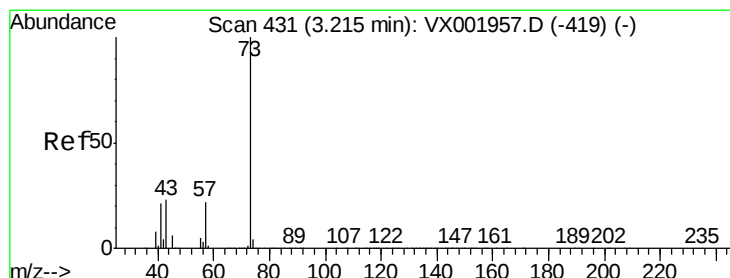
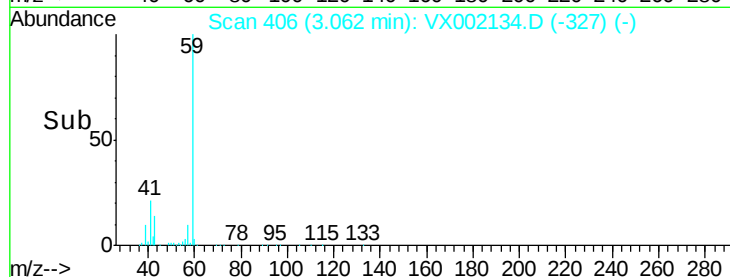
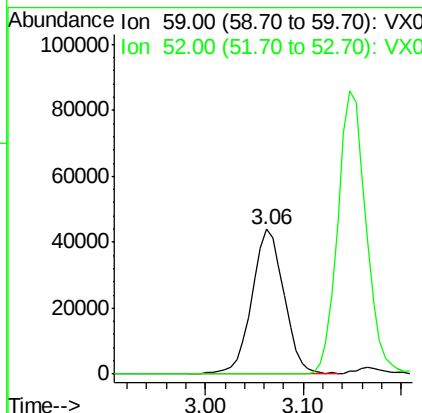
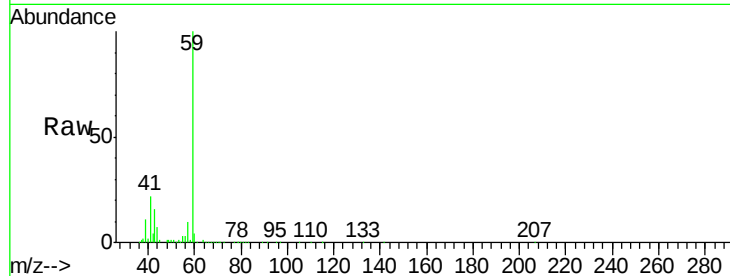
tert-Butyl Alcohol
 Concen: 97.18 ug/l
 RT: 3.06 min Scan# 406
 Delta R.T. -0.02 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.2	0.2#

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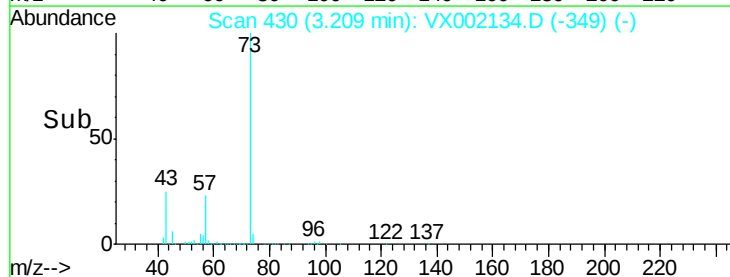
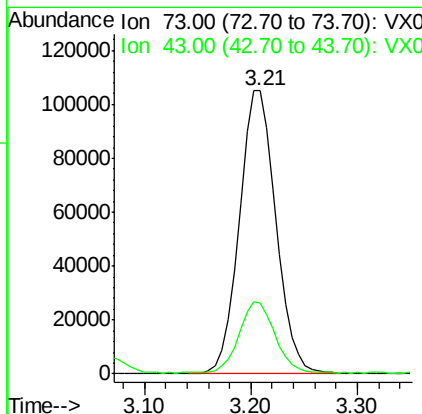
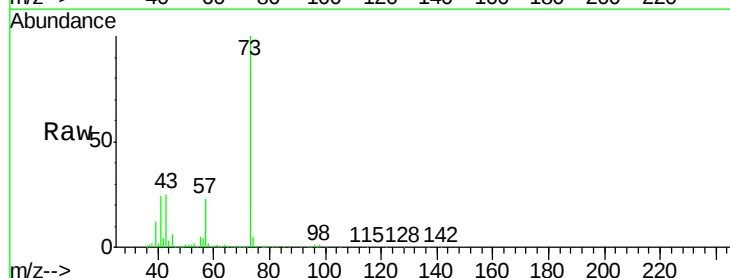
MMDadoda
 5/31/2018 3:07:44 PM

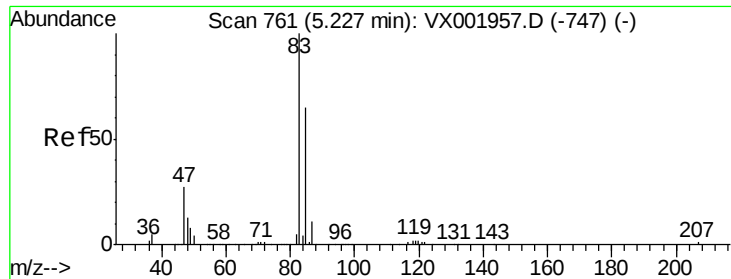


#24

Methyl tert-Butyl Ether
 Concen: 21.71 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Tgt Ion	Ratio	Lower	Upper
73	100		
43	24.6	19.0	28.4





#25

Chloroform

Concen: 19.70 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.01 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 129844

Ion Ratio Lower Upper

83 100

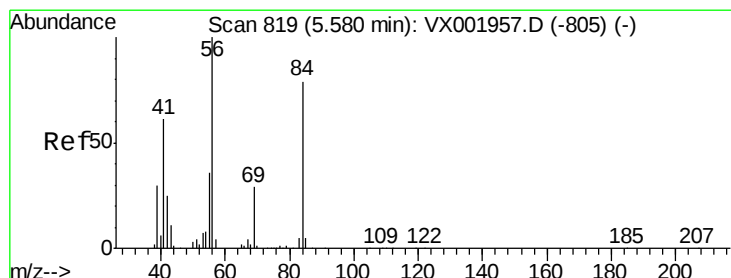
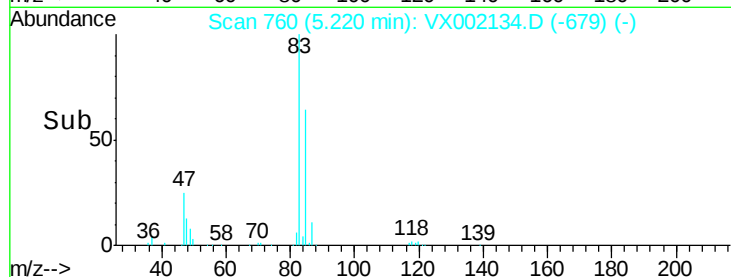
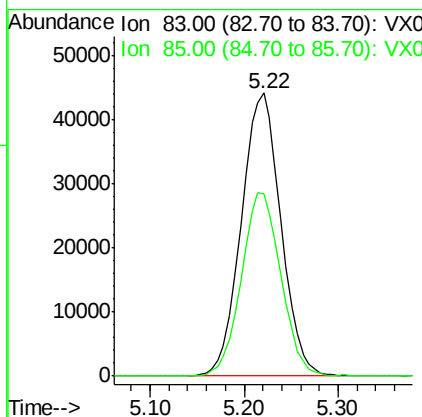
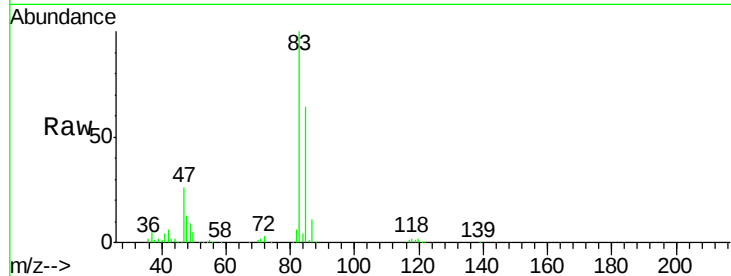
85 64.3 51.9 77.9

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#26

Cyclohexane

Concen: 20.61 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

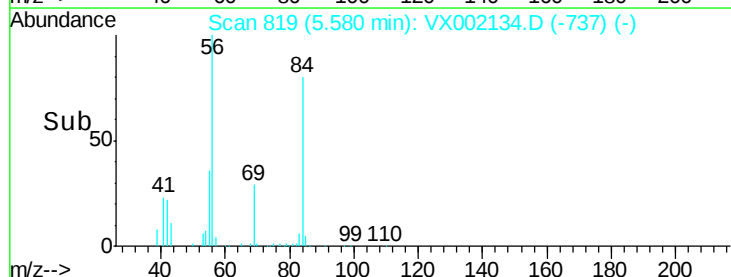
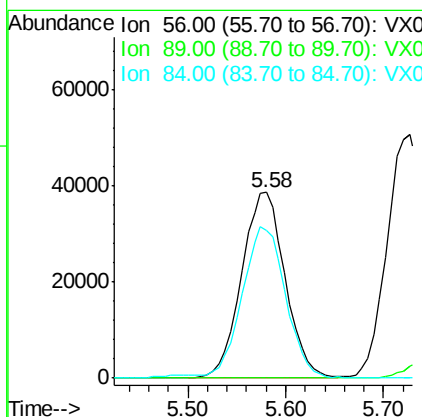
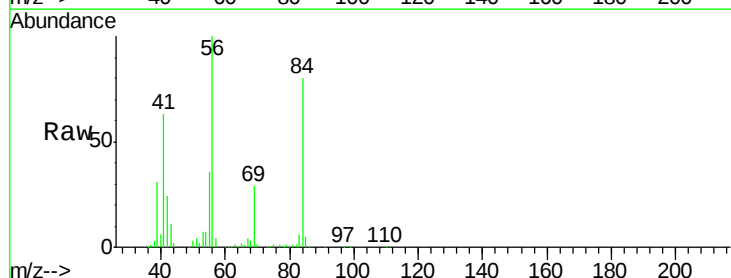
Tgt Ion: 56 Resp: 118919

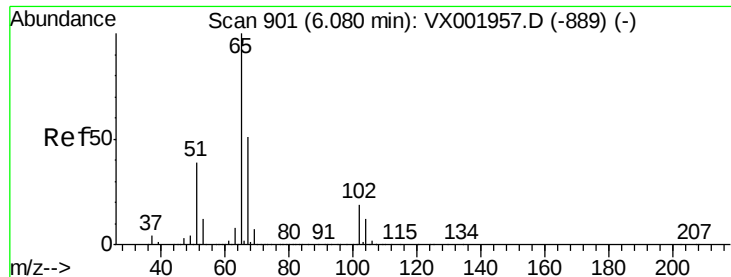
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 82.0 64.9 97.3





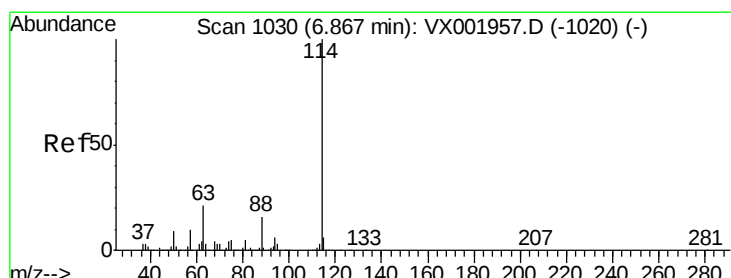
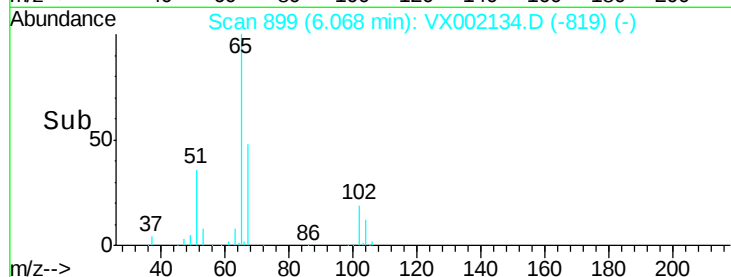
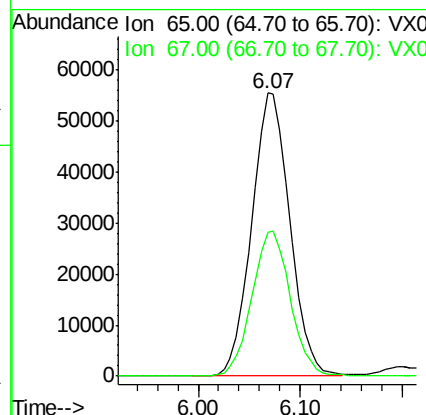
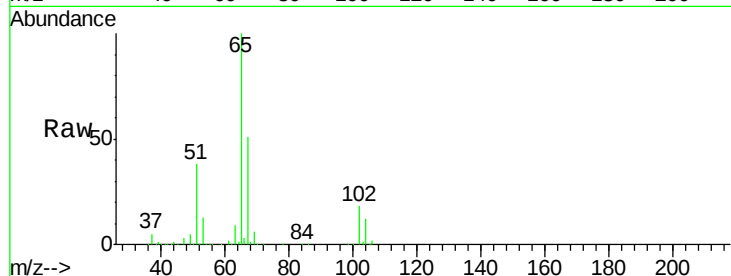
#27
 1,2-Dichloroethane-d4
 Concen: 30.58 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	144555		
67	51.3		40.9	61.3

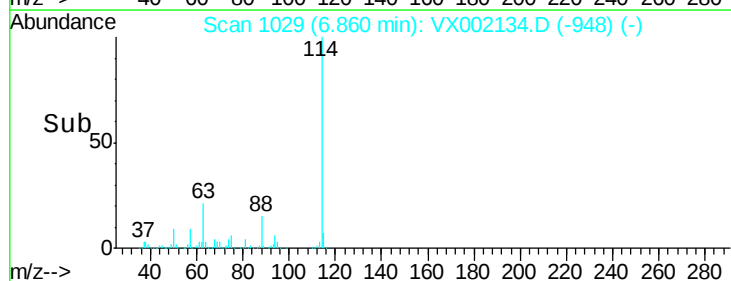
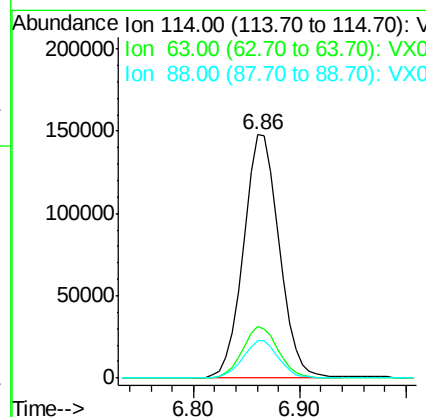
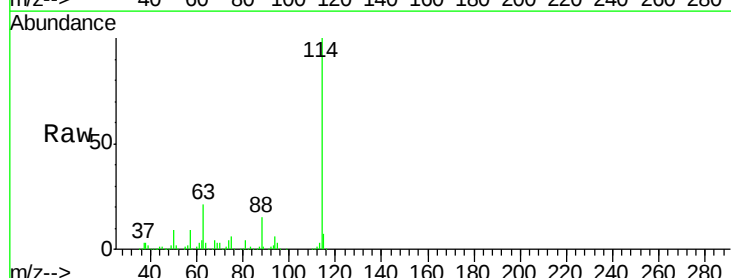
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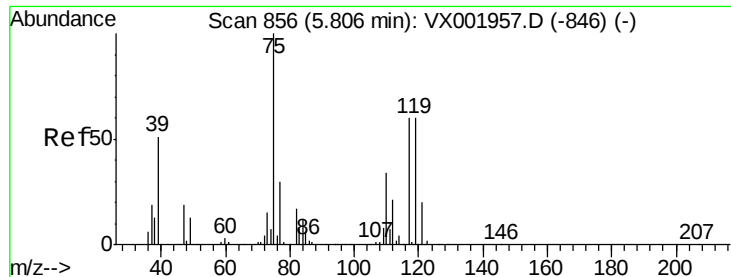
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#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	350222		
63	21.1		17.1	25.7
88	15.4		12.6	19.0





#29

1,1-Dichloropropene

Concen: 19.66 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.01 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Instrument :

MSVOA_X

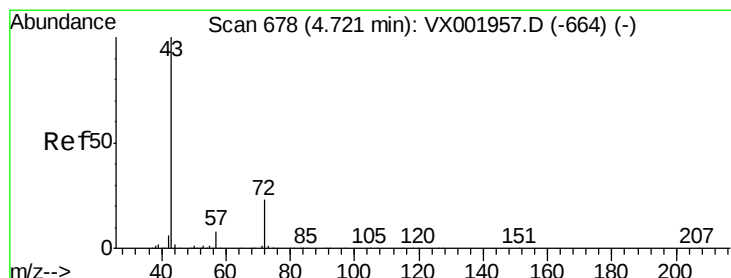
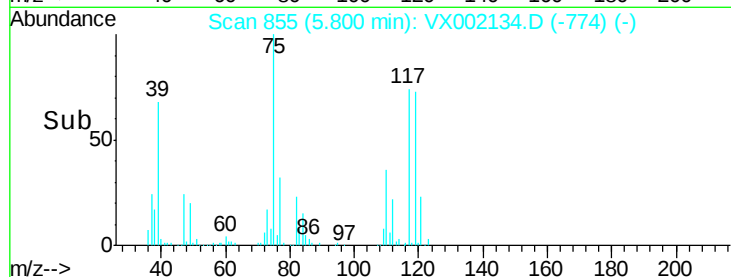
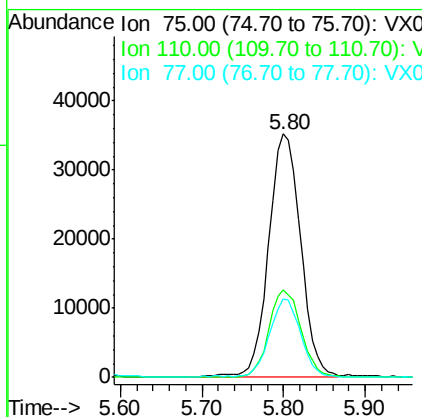
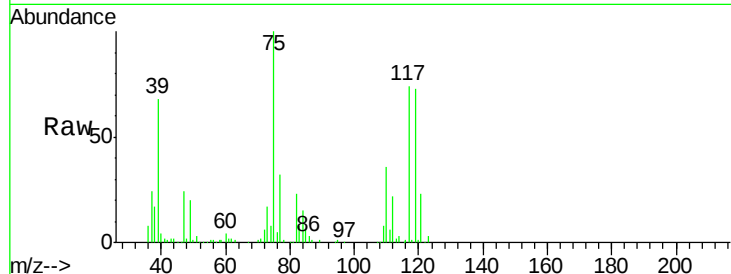
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	96310
Ion Ratio	Lower	Upper	
75	100		
110	35.9	0.0	71.4
77	31.3	0.0	60.6

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#30

2-Butanone

Concen: 86.72 ug/l

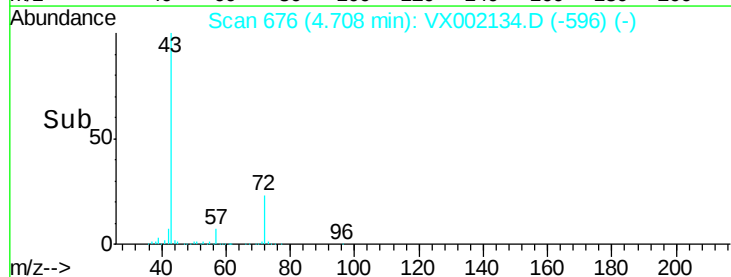
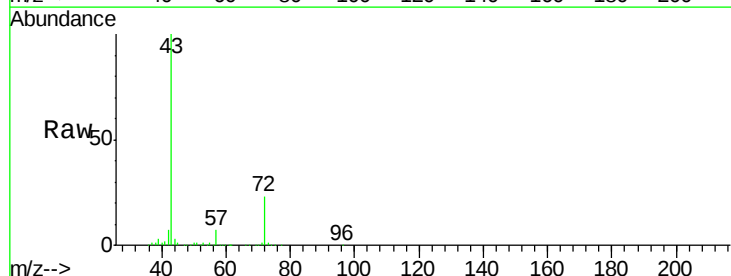
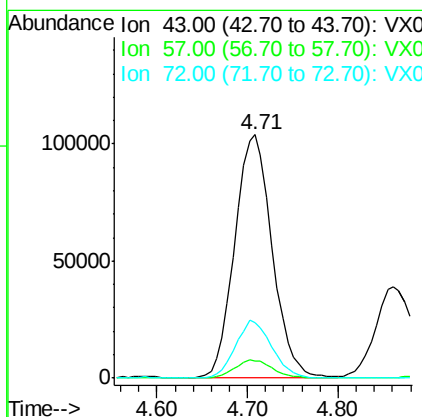
RT: 4.71 min Scan# 676

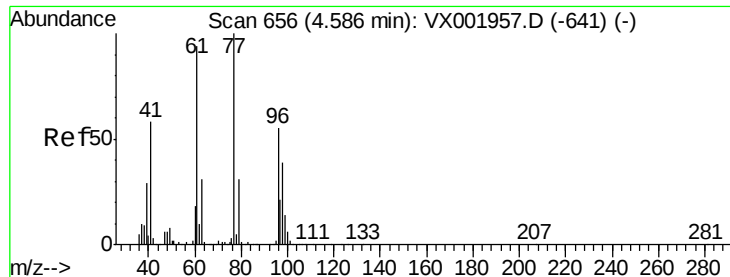
Delta R.T. -0.01 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Tgt Ion:	43	Resp:	296388
Ion Ratio	Lower	Upper	
43	100		
57	7.7	6.1	9.1
72	23.0	18.1	27.1





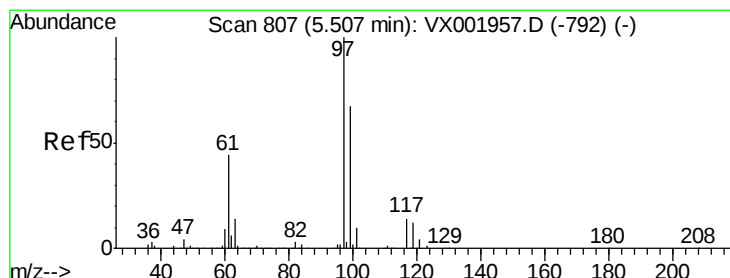
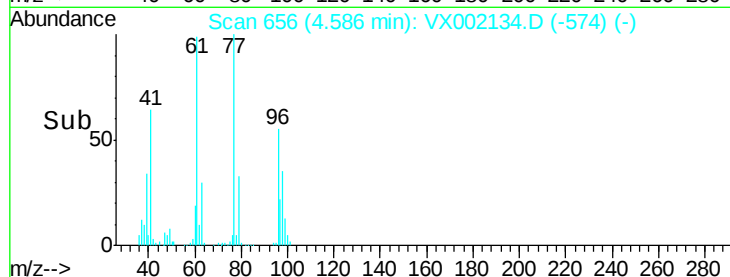
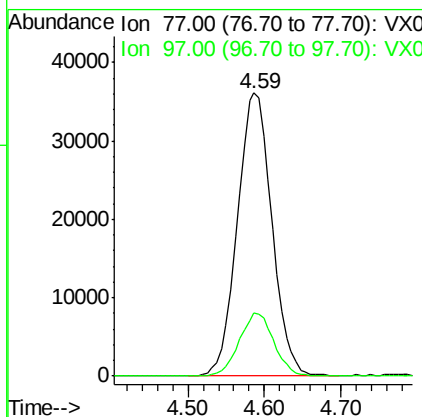
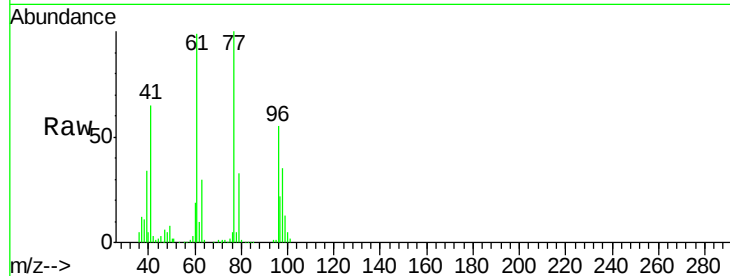
#31
 2,2-Dichloropropane
 Concen: 26.29 ug/l
 RT: 4.59 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion: 77 Resp: 113209
 Ion Ratio Lower Upper
 77 100
 97 22.4 18.7 28.1

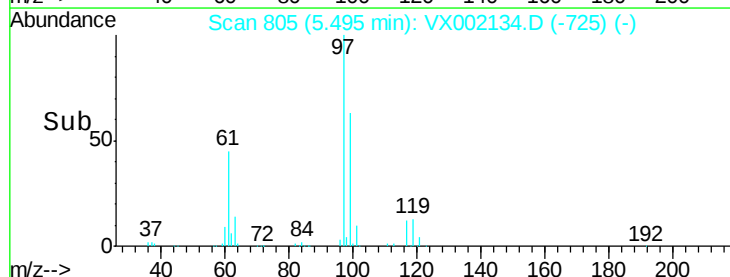
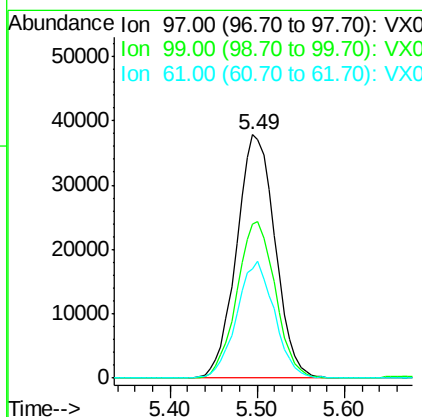
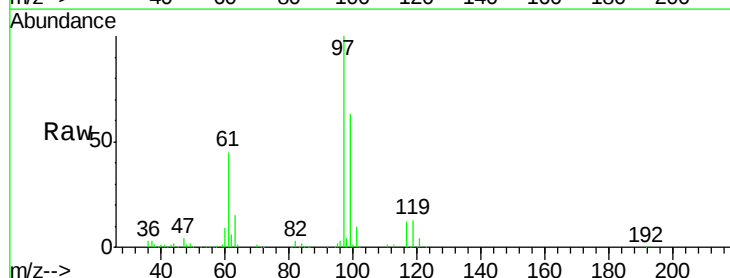
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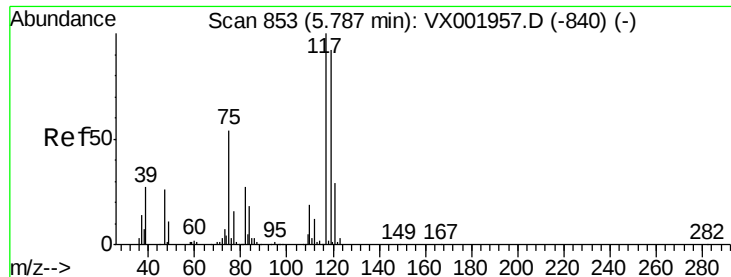
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#32
 1,1,1-Trichloroethane
 Concen: 18.17 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Tgt Ion: 97 Resp: 116276
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.7 77.5
 61 46.8 36.4 54.6





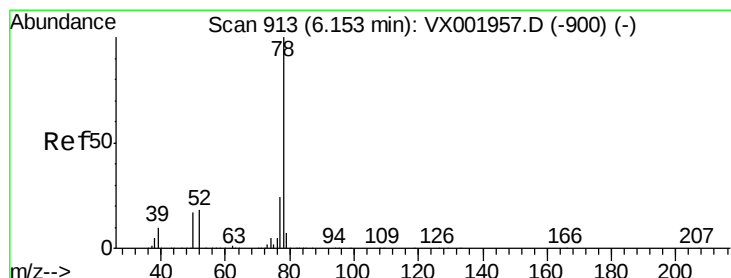
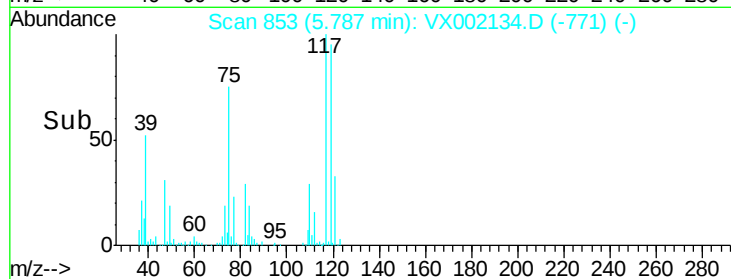
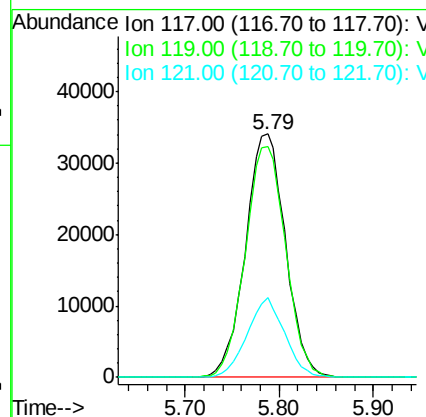
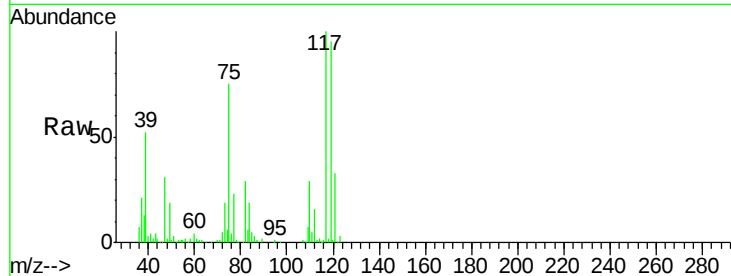
#33
Carbon Tetrachloride
Concen: 17.42 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.0	73.3	109.9
121	32.7	23.6	35.4

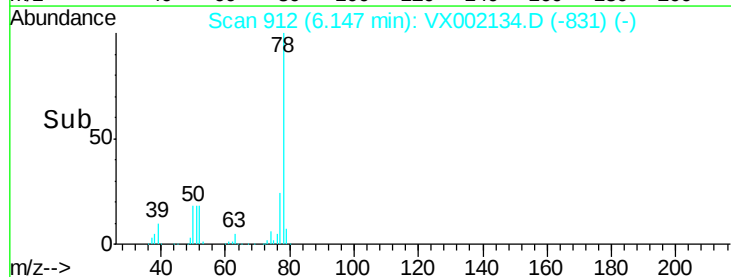
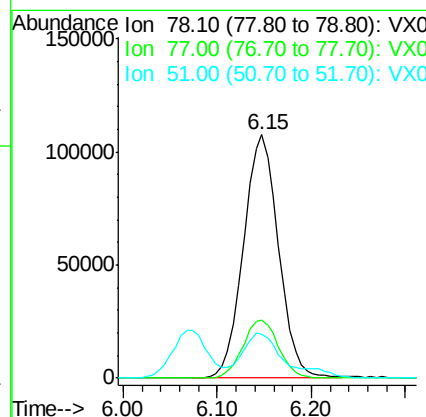
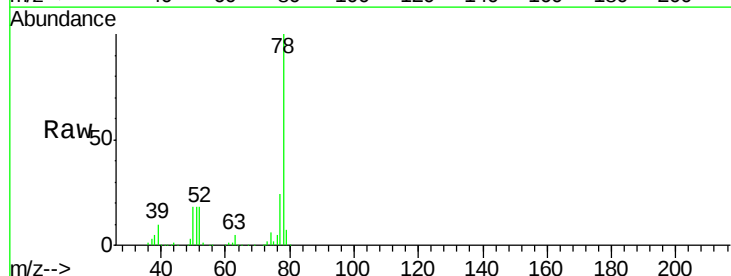
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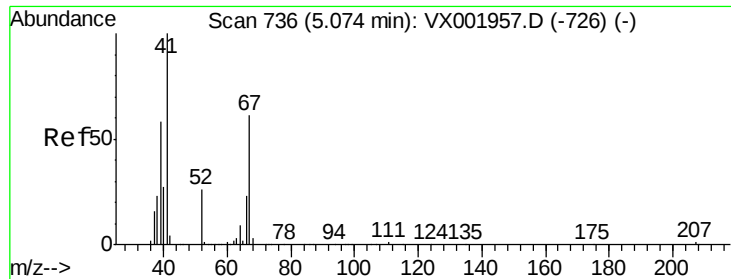
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#34
Benzene
Concen: 18.99 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.4	29.0
51	17.3	13.8	20.6





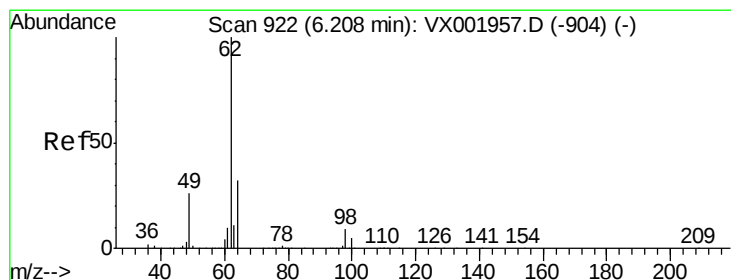
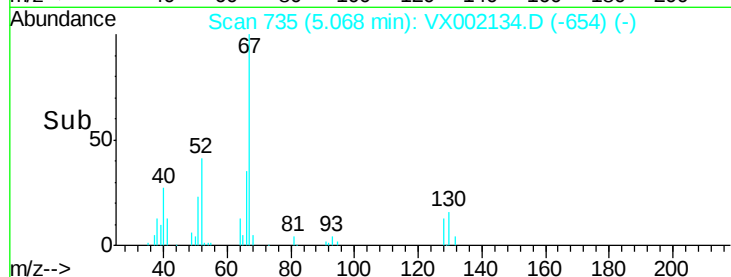
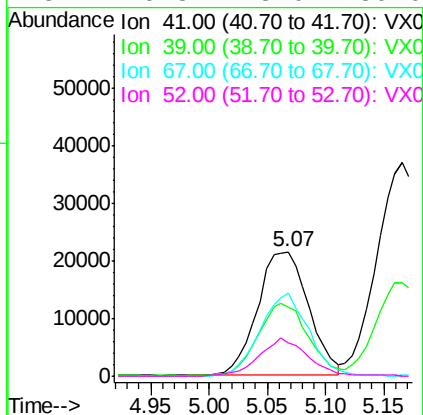
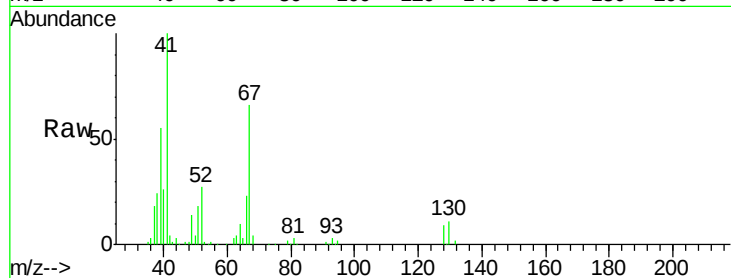
#35
Methacrylonitrile
Concen: 17.21 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.7	28.8	86.5
67	66.8	30.4	91.2
52	26.8	13.0	39.0

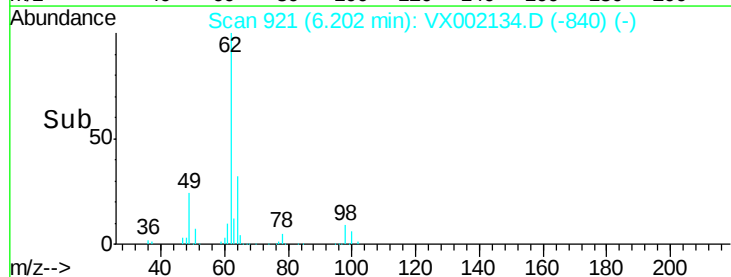
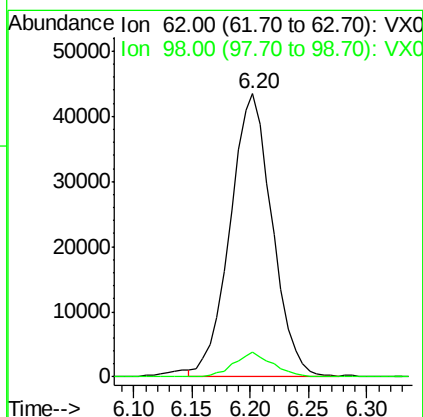
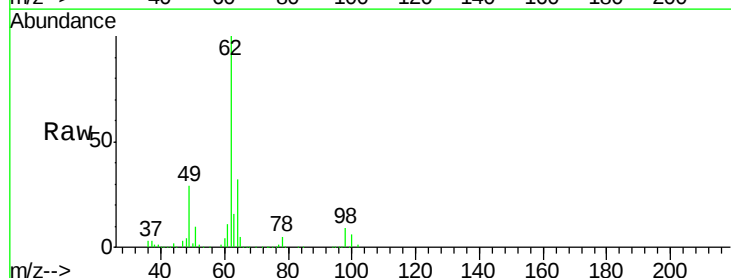
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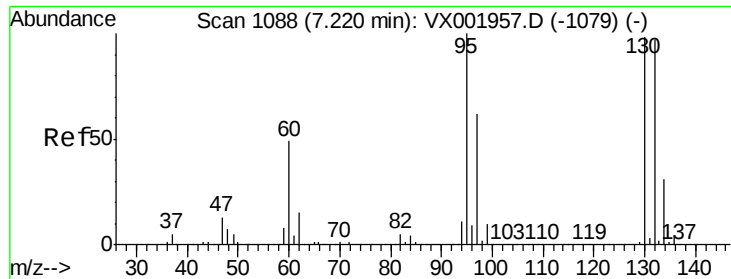
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#36
1,2-Dichloroethane
Concen: 18.78 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	6.5	9.7





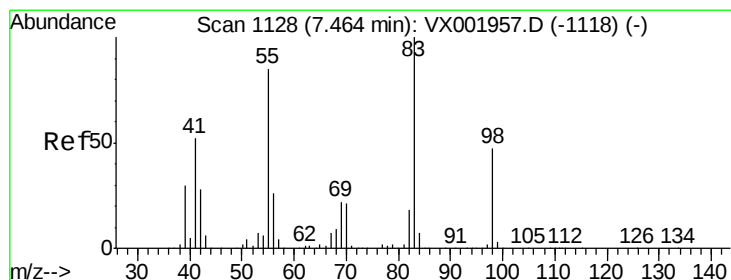
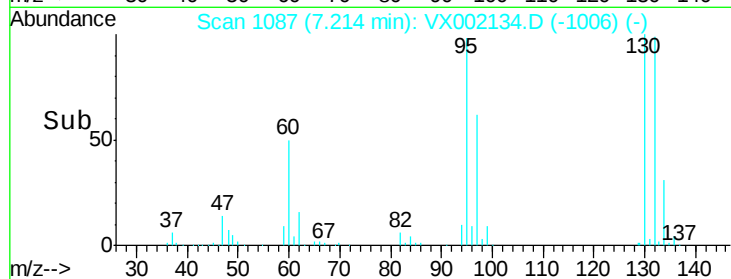
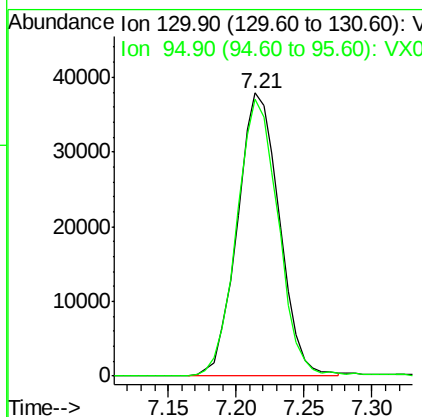
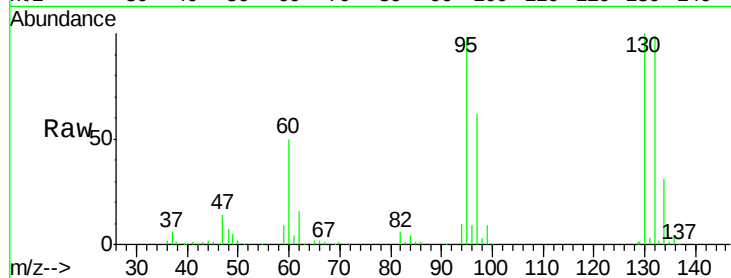
#37
 Trichloroethene
 Concen: 19.37 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 81282
 Ion Ratio Lower Upper
 130 100
 95 97.6 81.5 122.3

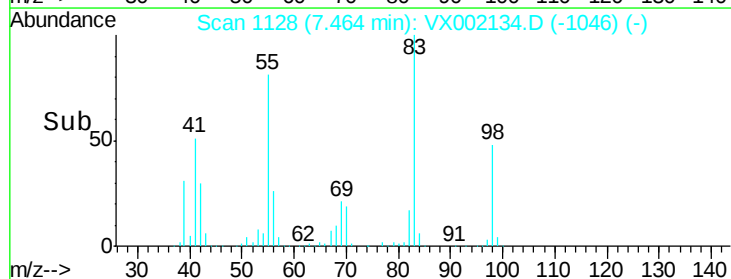
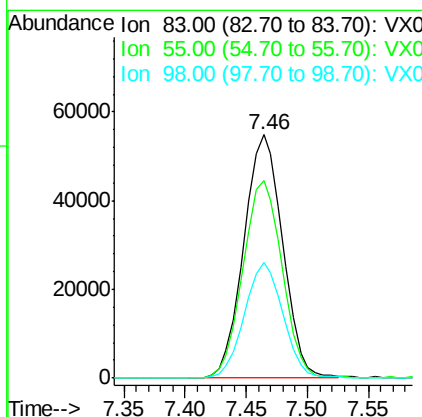
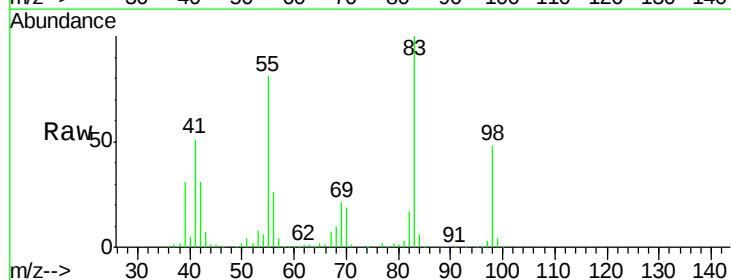
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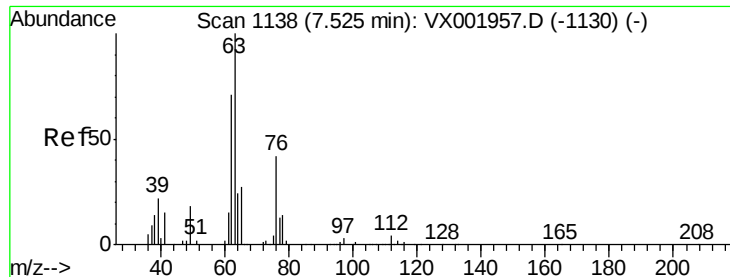
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#38
 Methylcyclohexane
 Concen: 21.24 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Tgt Ion: 83 Resp: 121454
 Ion Ratio Lower Upper
 83 100
 55 81.2 40.6 121.8
 98 46.8 23.5 70.5





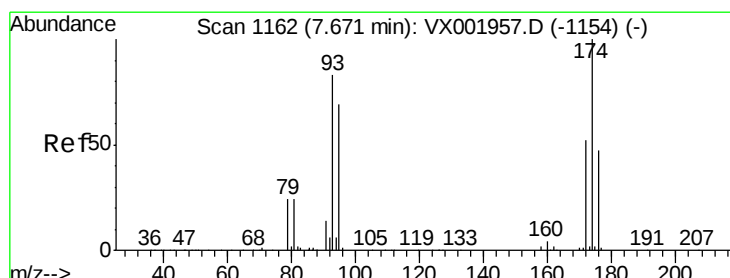
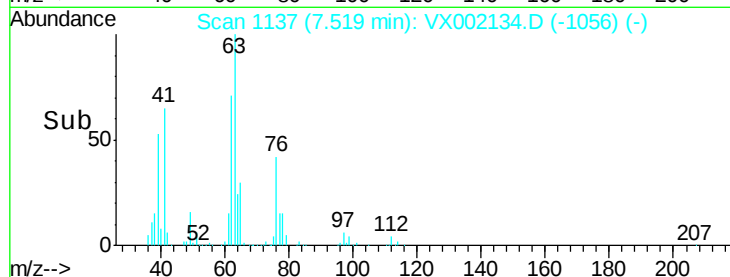
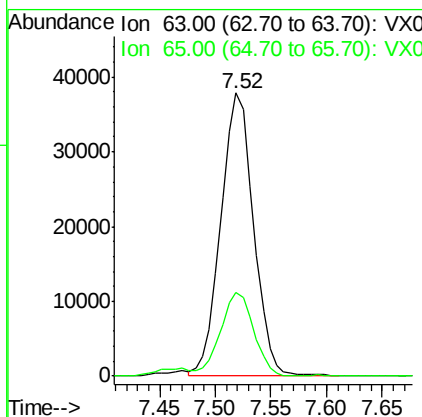
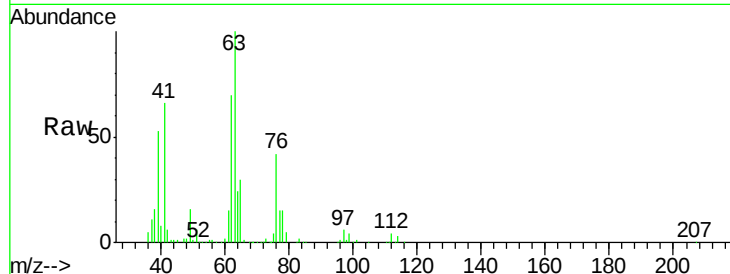
#39
 1,2-Dichloropropane
 Concen: 19.32 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 77297
 Ion Ratio Lower Upper
 63 100
 65 29.8 23.3 34.9

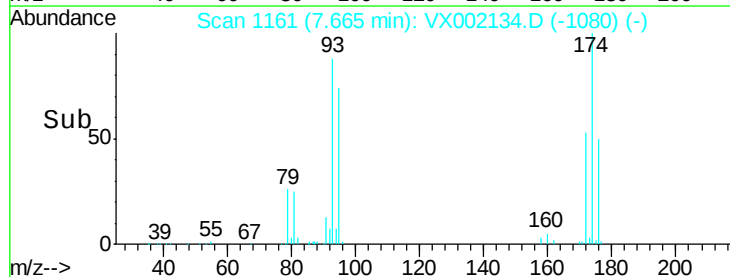
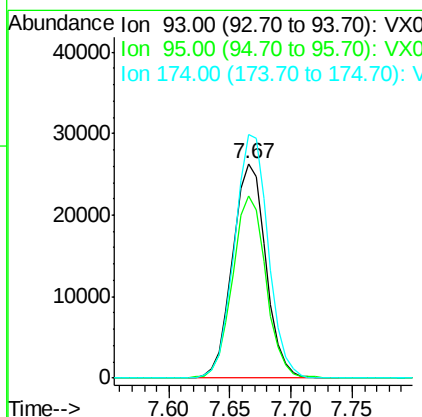
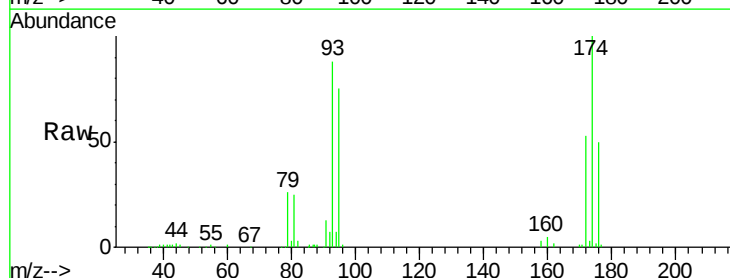
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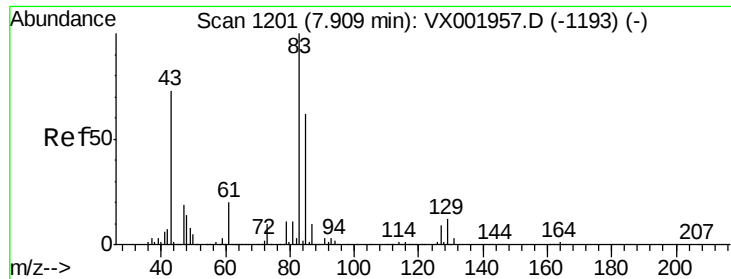
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#40
 Dibromomethane
 Concen: 18.50 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Tgt Ion: 93 Resp: 49658
 Ion Ratio Lower Upper
 93 100
 95 84.5 0.0 162.6
 174 114.9 0.0 229.4





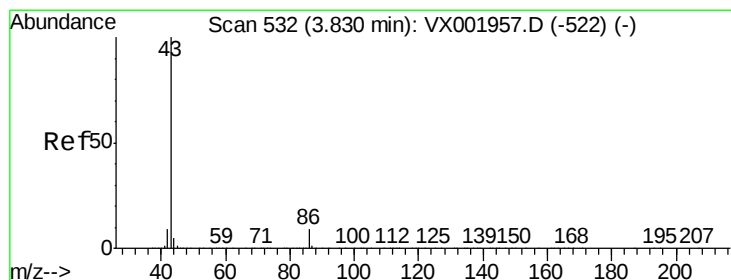
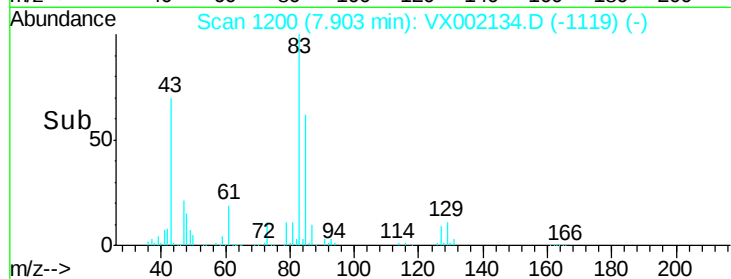
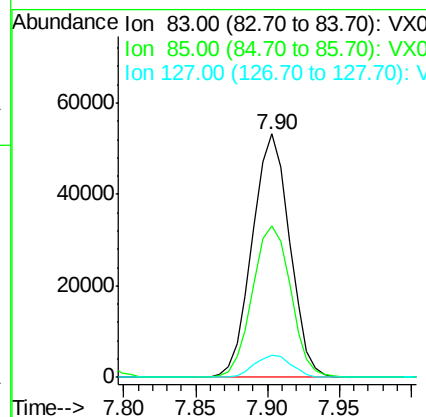
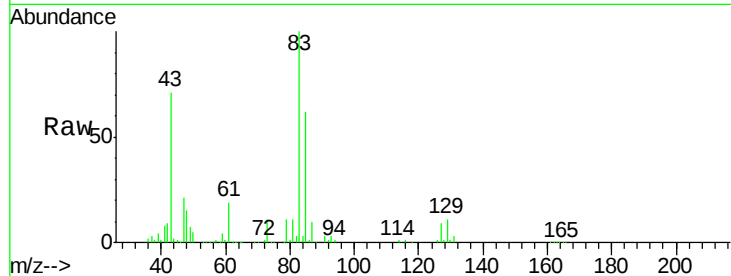
#41
Bromodichloromethane
Concen: 17.19 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.4	49.8	74.8
127	8.9	7.3	10.9

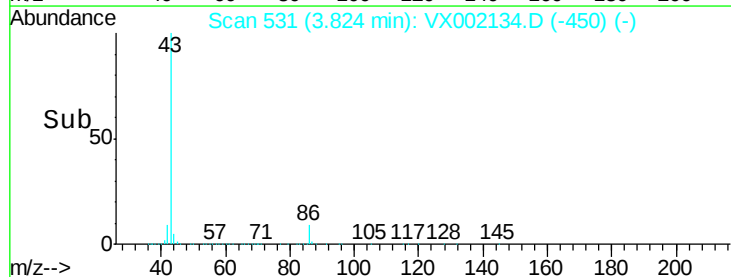
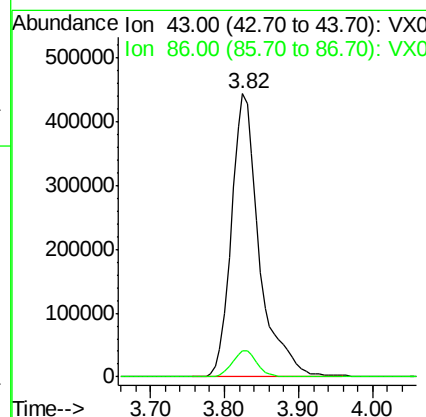
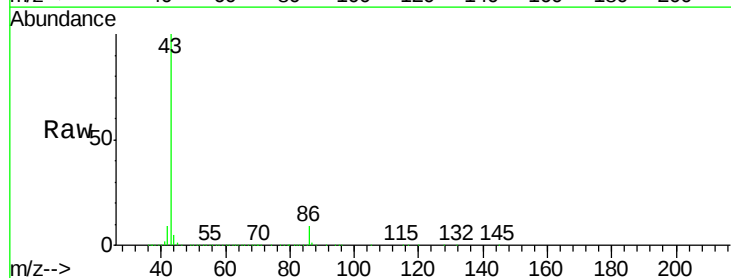
Manual Integrations
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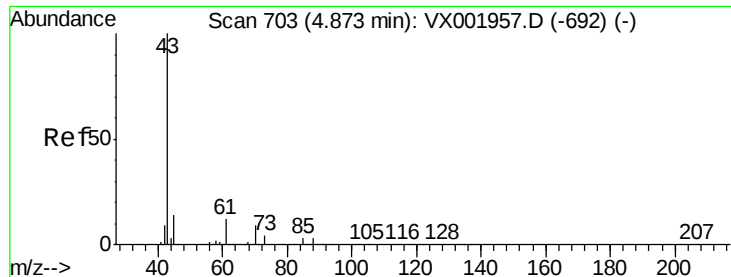
MMDadoda
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#42
Vinyl Acetate
Concen: 107.24 ug/l
RT: 3.82 min Scan# 531
Delta R.T. -0.01 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.7	10.1





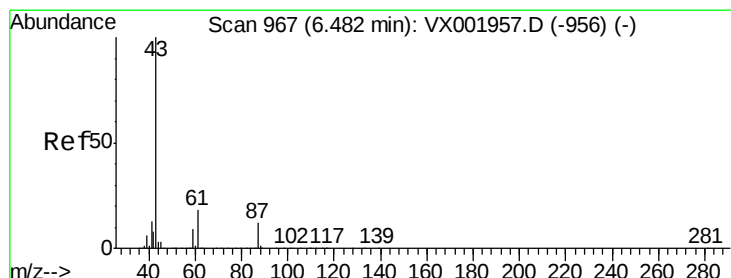
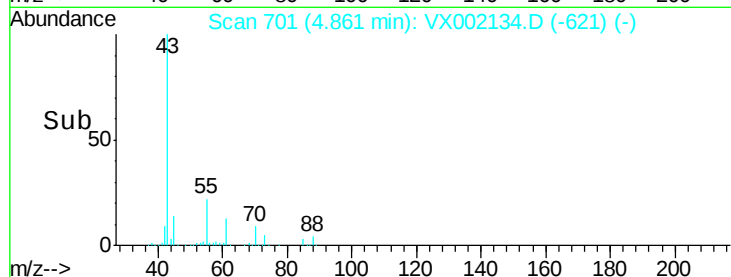
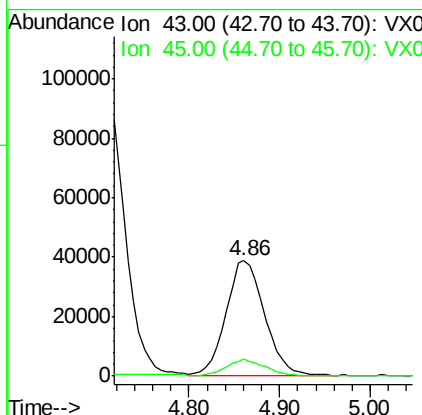
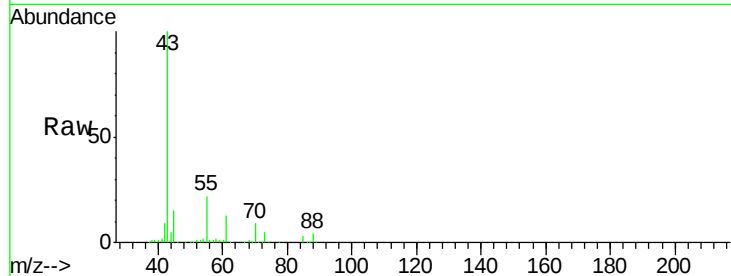
#43
Ethyl Acetate
Concen: 17.04 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 114342
Ion Ratio Lower Upper
43 100
45 14.1 11.0 16.4

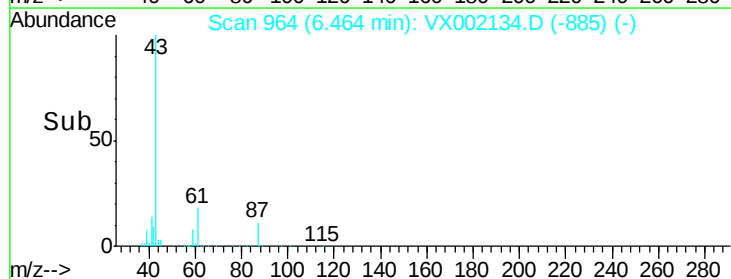
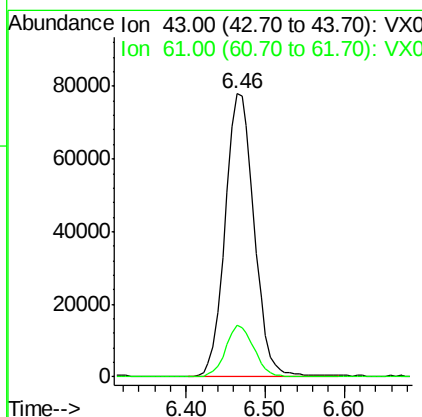
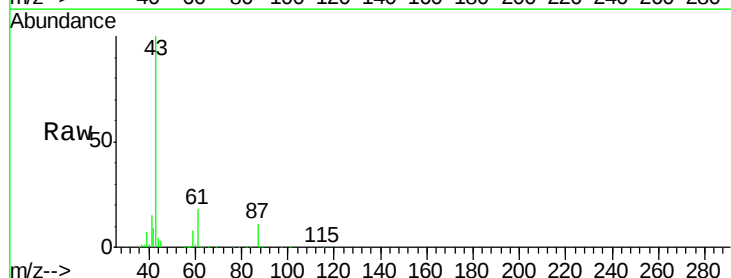
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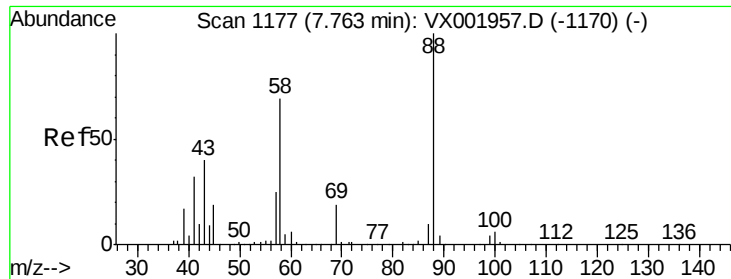
MMDadoda
5/31/2018 3:07:44 PM



#44
Isopropyl Acetate
Concen: 17.74 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.02 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Tgt Ion: 43 Resp: 197897
Ion Ratio Lower Upper
43 100
61 17.9 14.5 21.7





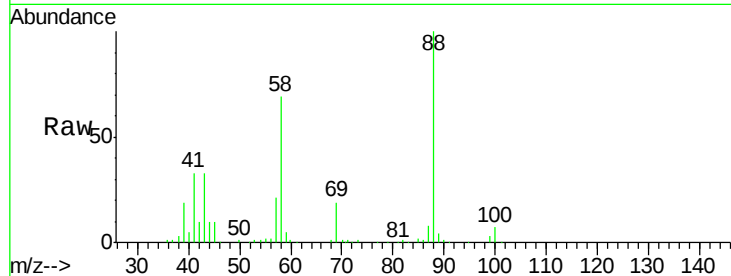
#45
 1,4-Dioxane
 Concen: 345.36 ug/l m
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.3	43.2	64.8#
58	0.4	60.2	90.2#

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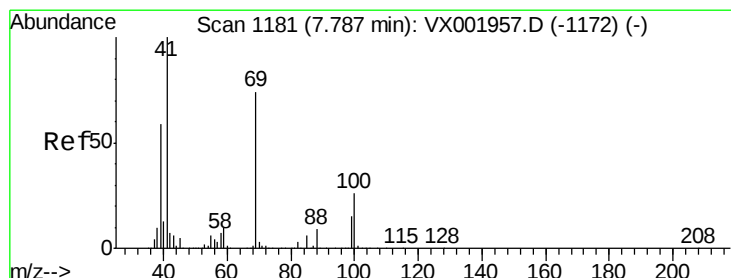
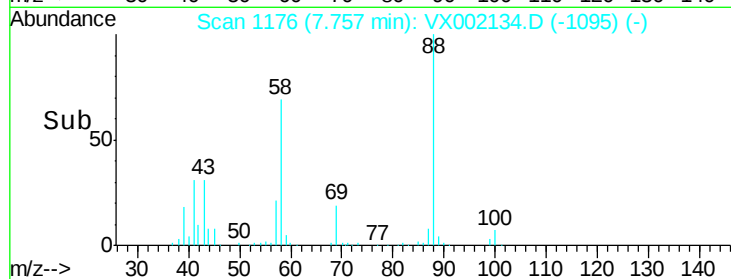
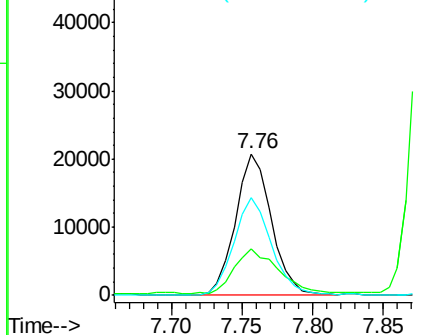


Abundance

Ion 88.00 (87.70 to 88.70): VX0

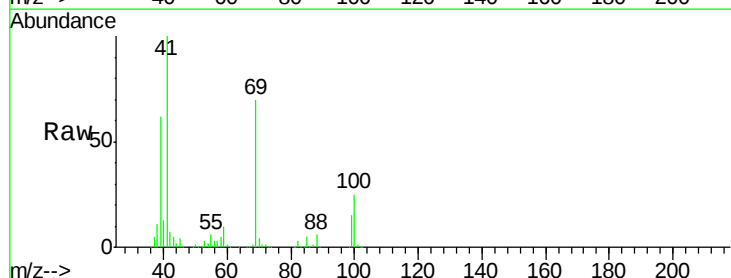
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46
 Methyl methacrylate
 Concen: 17.69 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Tgt Ion	Ratio	Lower	Upper
41	100		
69	70.5	37.0	110.9
39	62.0	29.6	88.9

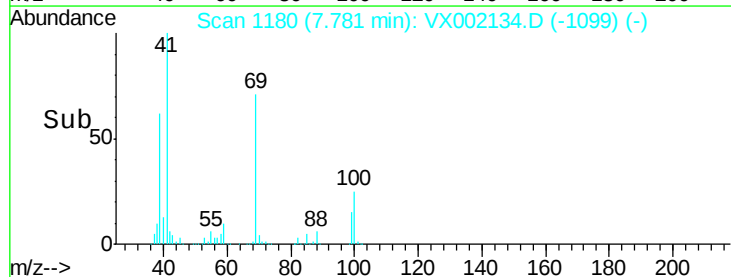
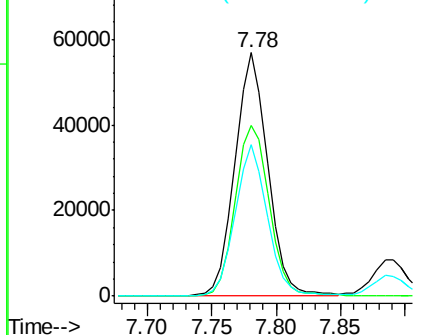


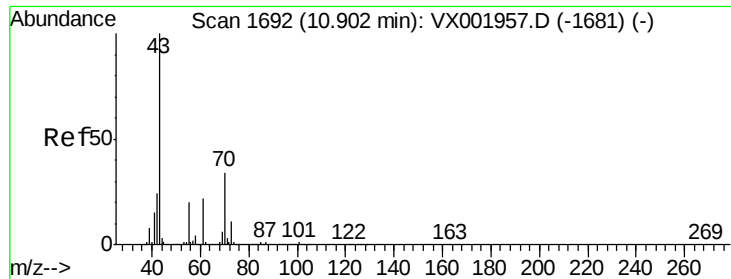
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 18.00 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 184762

Ion Ratio Lower Upper

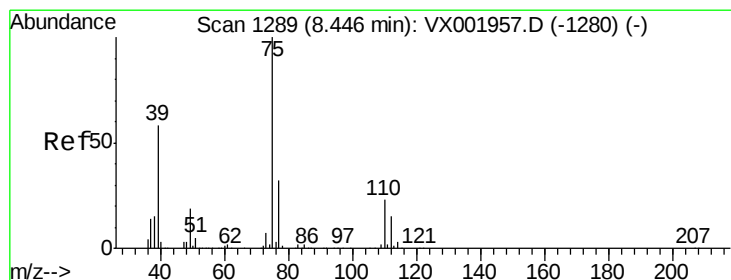
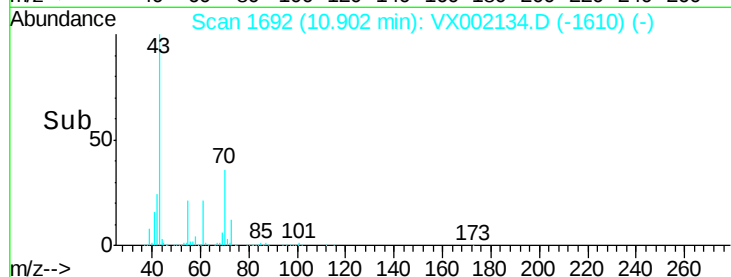
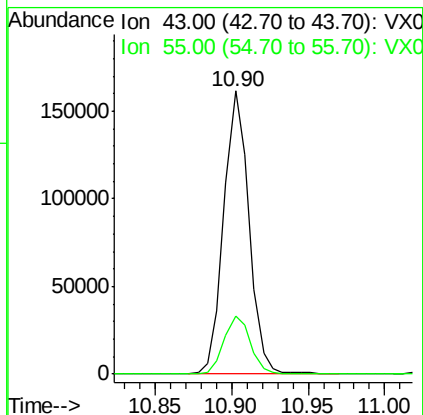
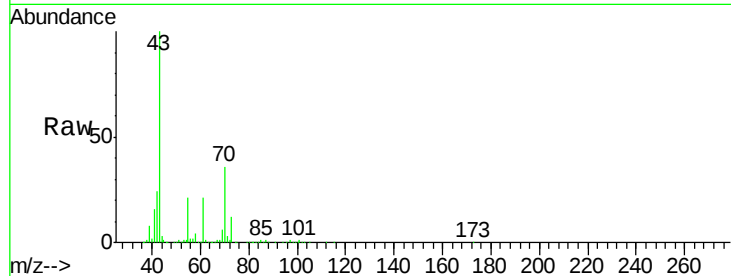
43 100

55 21.4 0.1 0.1#

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 18.75 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VX002134.D

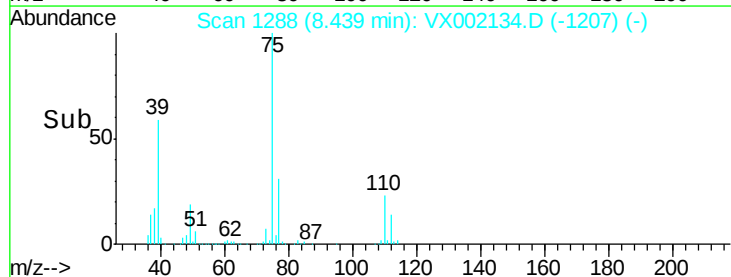
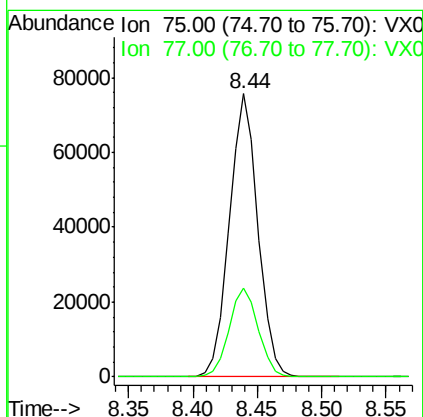
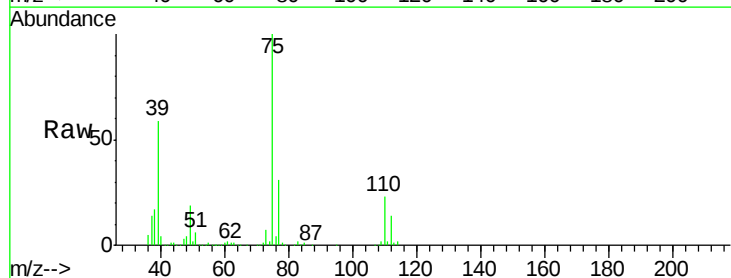
Acq: 30 May 2018 11:33

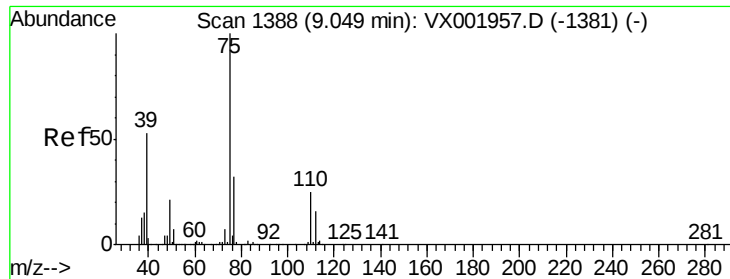
Tgt Ion: 75 Resp: 117307

Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 17.89 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Instrument :

MSVOA_X

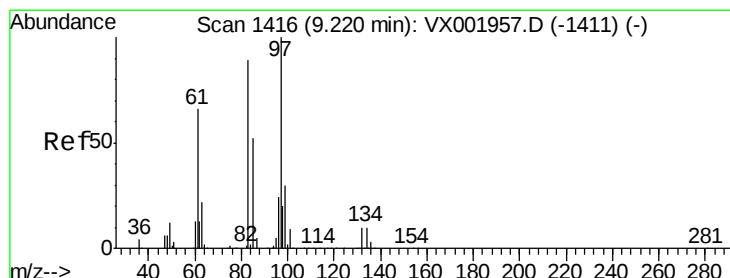
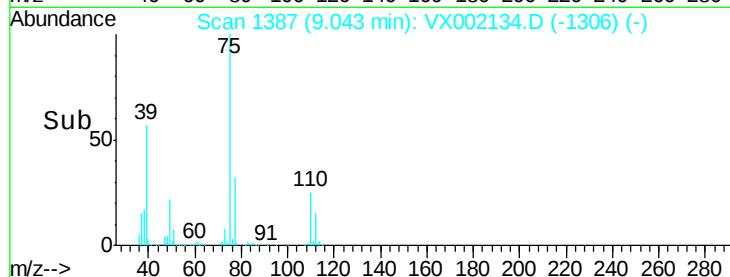
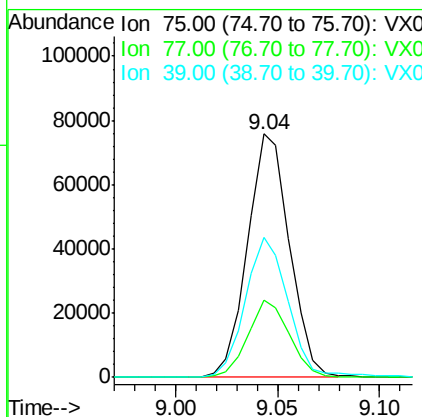
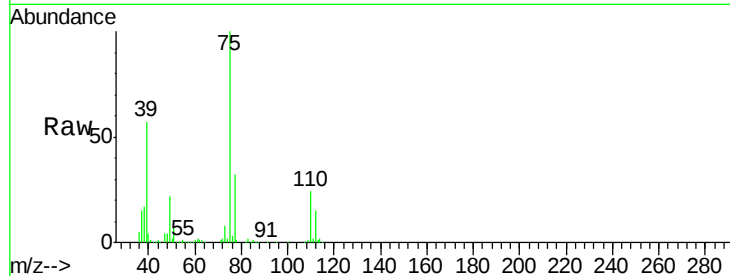
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	108347
Ion Ratio	Lower	Upper	
75	100		
77	31.7	25.4	38.2
39	57.1	42.3	63.5

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#50

1,1,2-Trichloroethane

Concen: 19.32 ug/l

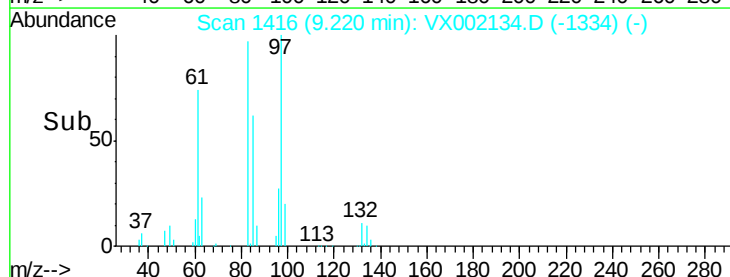
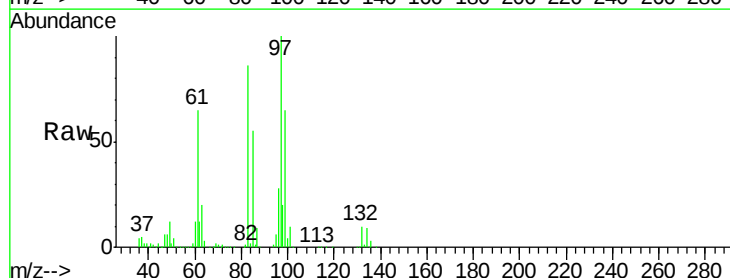
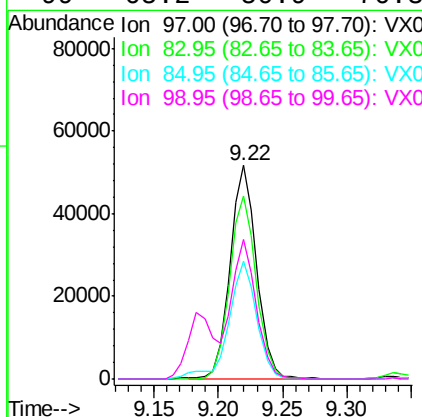
RT: 9.22 min Scan# 1416

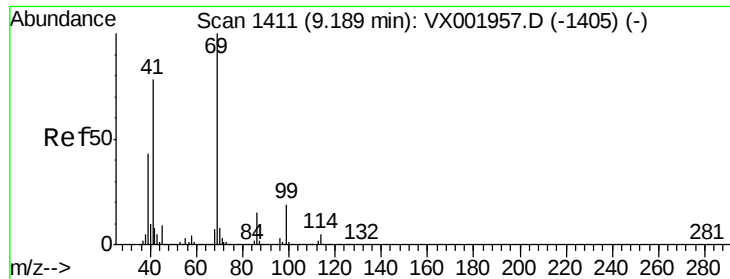
Delta R.T. -0.00 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Tgt Ion:	97	Resp:	74462
Ion Ratio	Lower	Upper	
97	100		
83	85.6	70.8	106.2
85	55.2	43.5	65.3
99	65.2	50.9	76.3





#51

Ethyl methacrylate

Concen: 18.05 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Instrument :

MSVOA_X

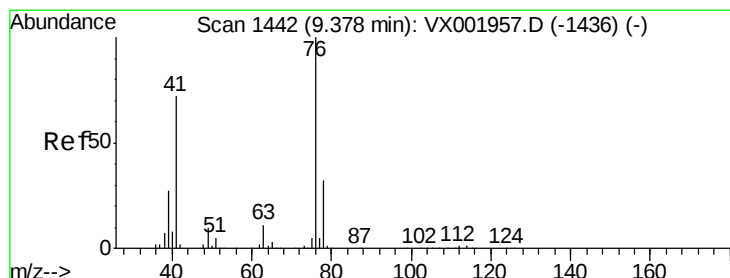
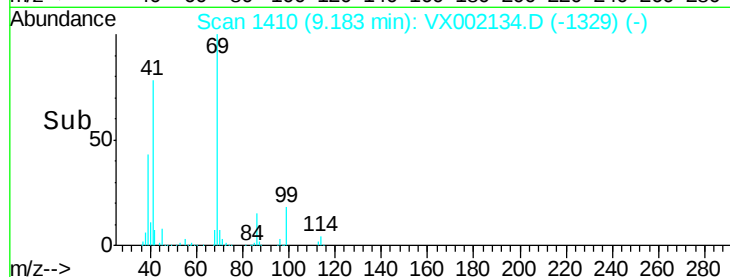
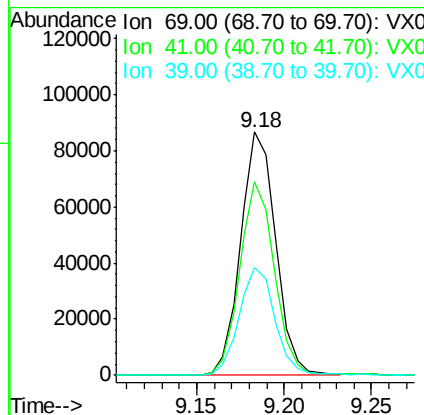
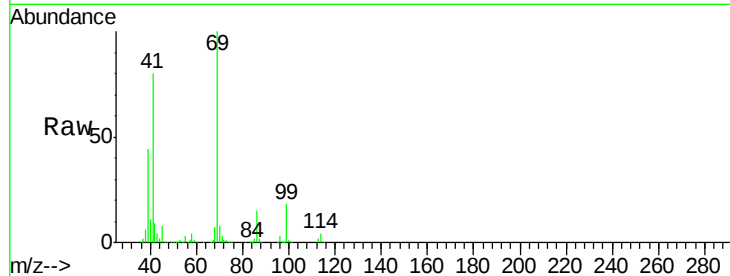
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	120471
Ion	Ratio	Lower	Upper
69	100		
41	79.6	39.1	117.3
39	44.0	21.7	65.1

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#52

1,3-Dichloropropane

Concen: 19.13 ug/l

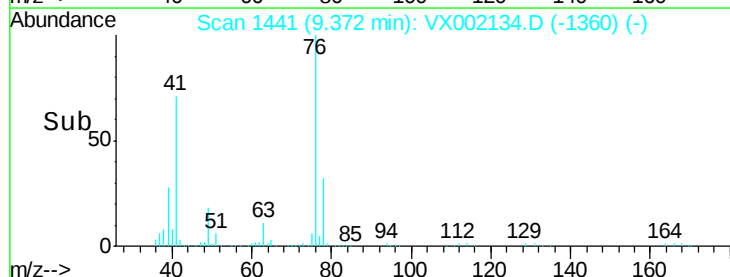
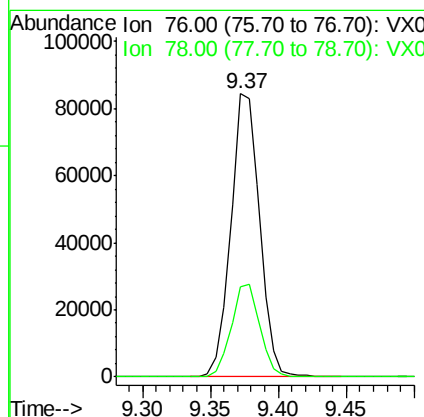
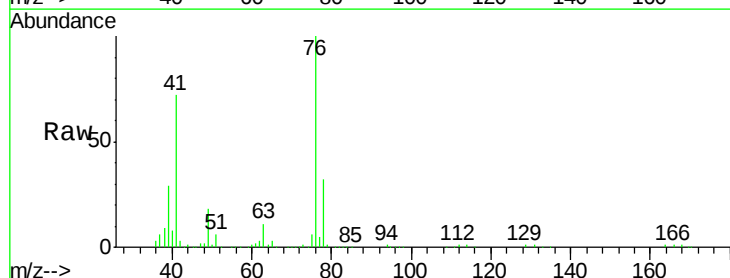
RT: 9.37 min Scan# 1441

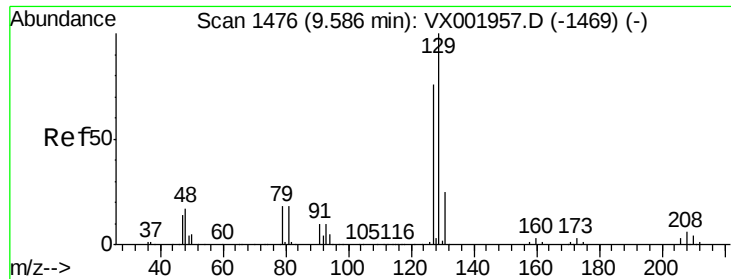
Delta R.T. -0.01 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Tgt Ion:	76	Resp:	124325
Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	63.4





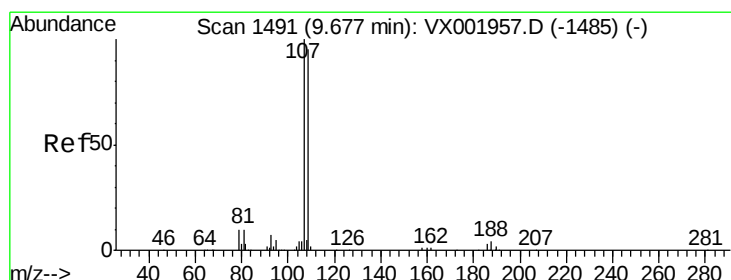
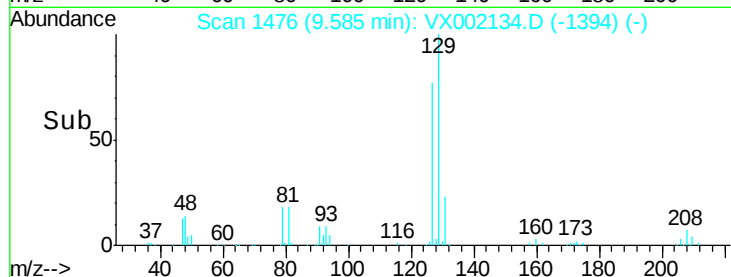
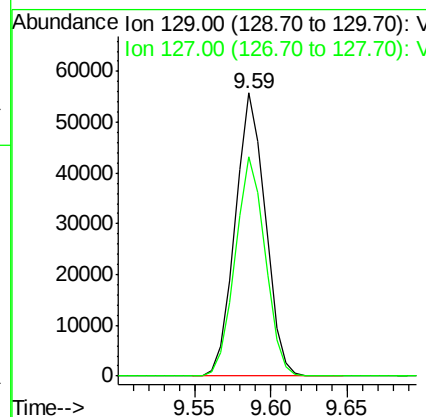
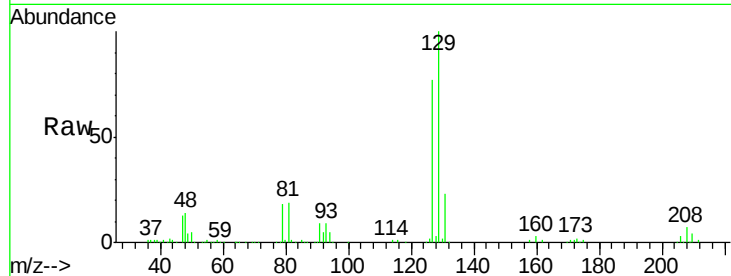
#53
 Dibromochloromethane
 Concen: 16.22 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. -0.00 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	76.9	38.5	115.3	

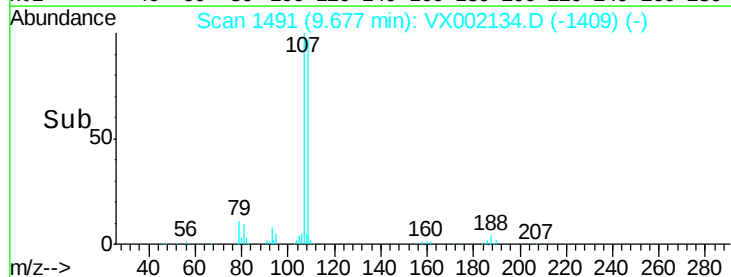
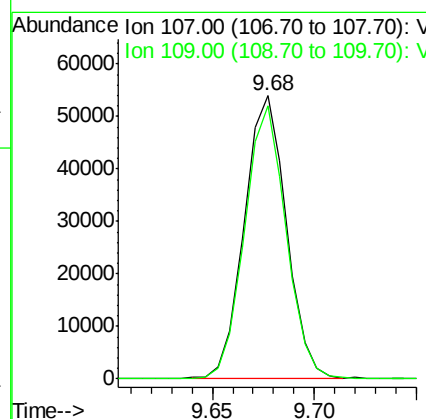
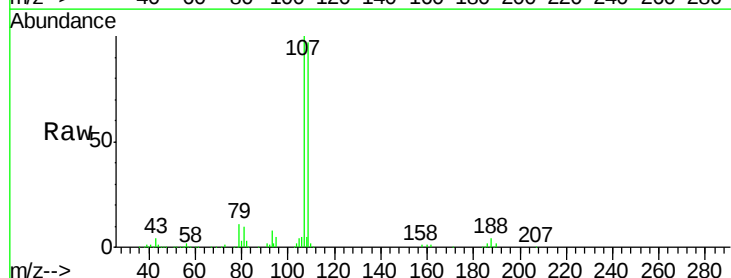
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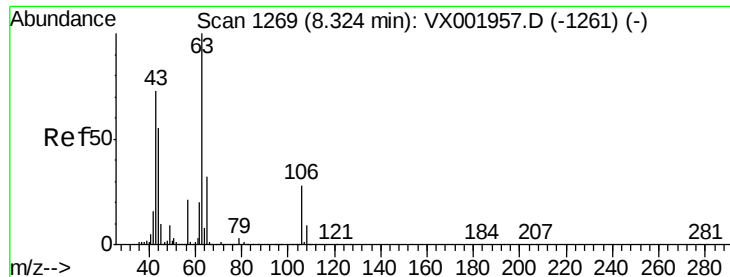
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#54
 1,2-Dibromoethane
 Concen: 18.38 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	95.9	75.5	113.3	





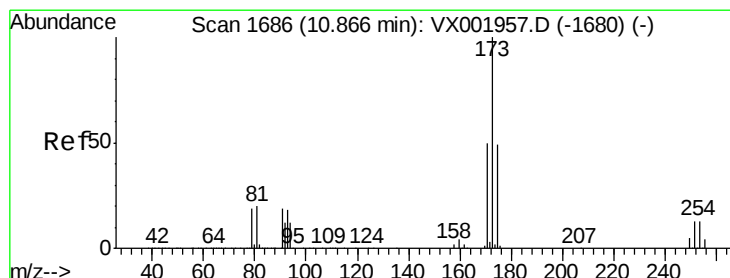
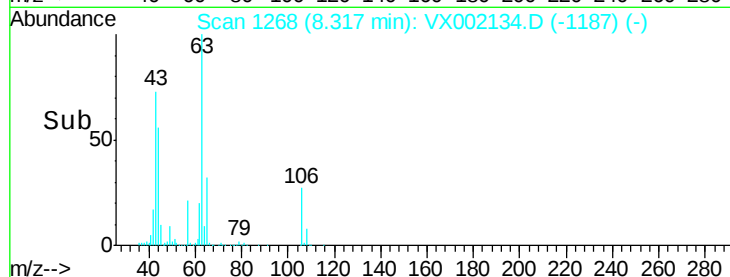
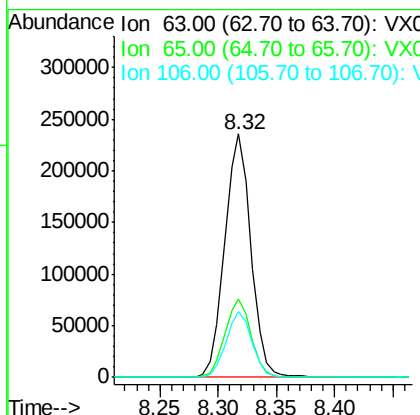
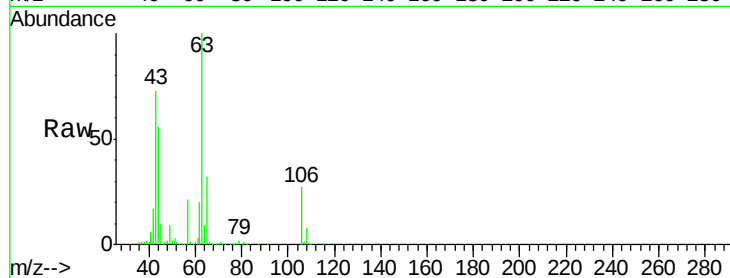
#55
2-Chloroethyl vinyl ether
Concen: 117.07 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.6	38.4
106	26.7	21.6	32.4

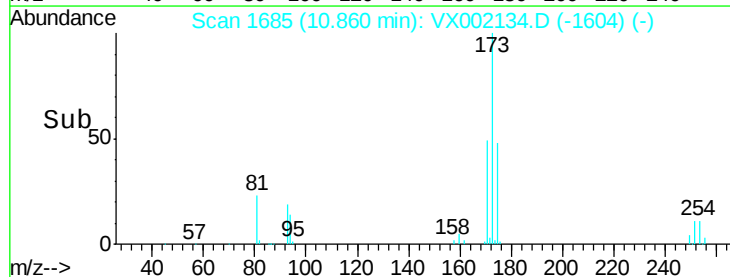
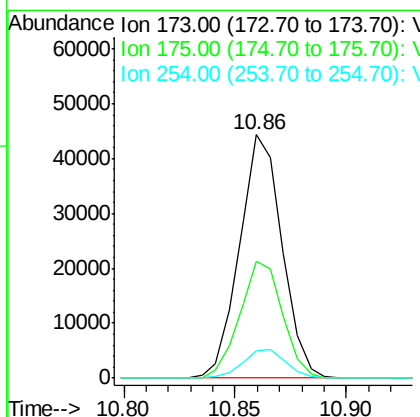
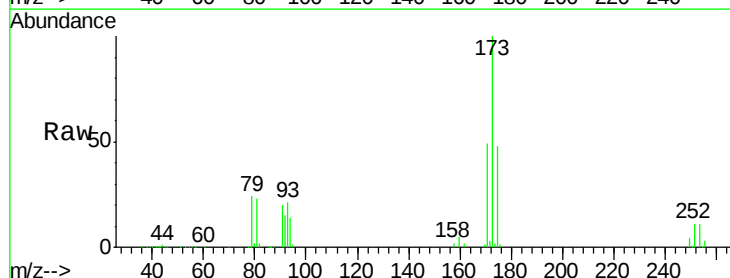
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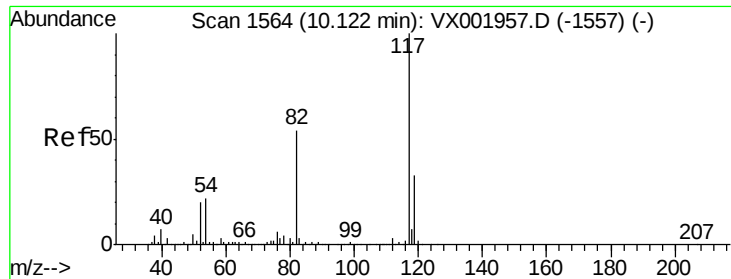
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#56
Bromoform
Concen: 14.26 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.0	58.4
254	12.1	9.6	14.4





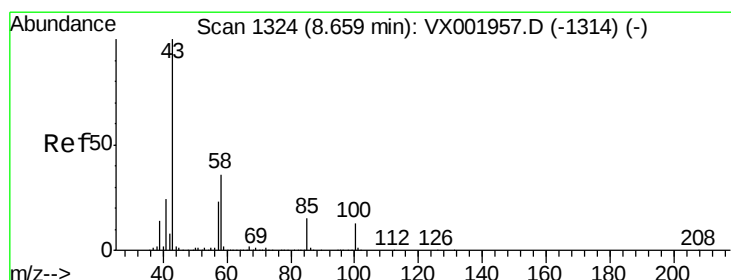
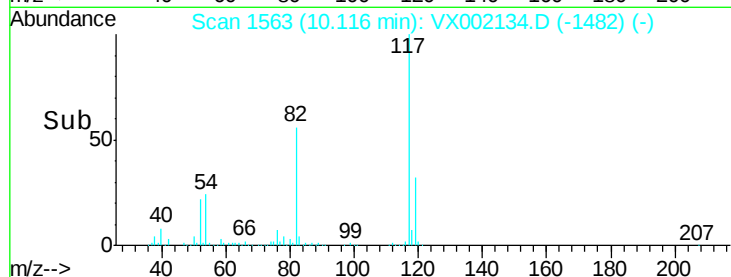
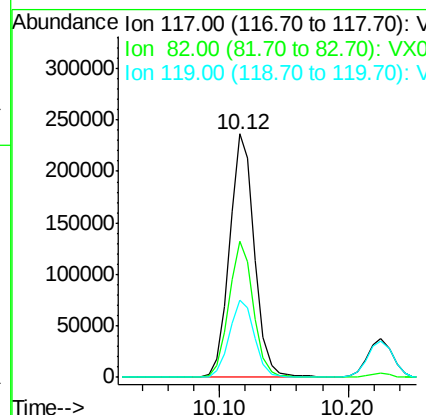
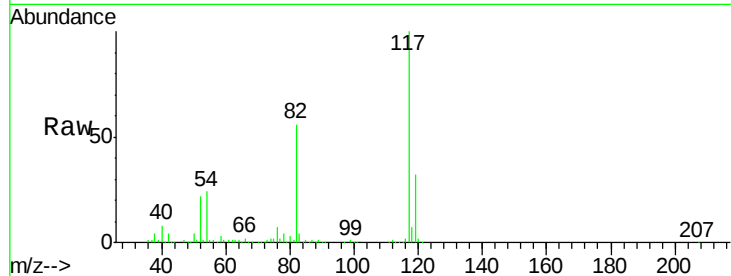
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	320655		
82	55.1	44.3	66.5	
119	32.3	25.7	38.5	

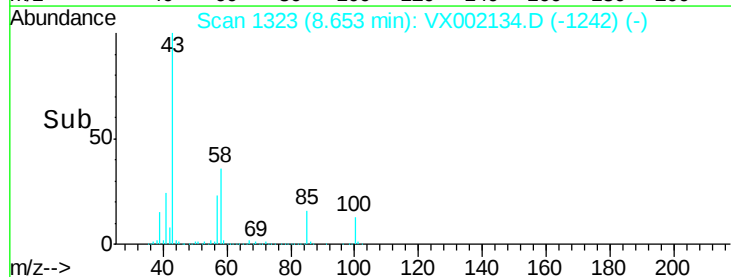
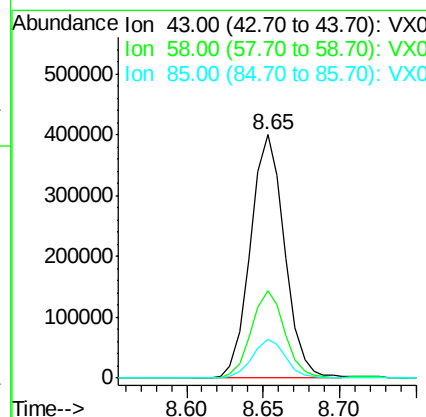
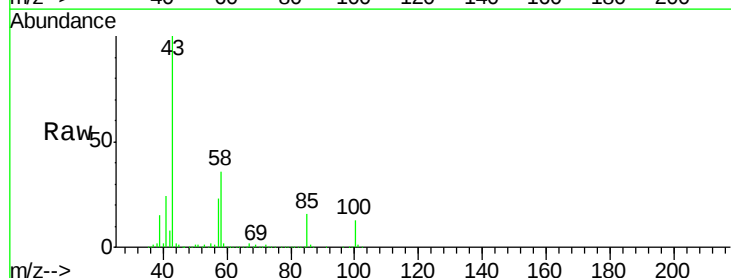
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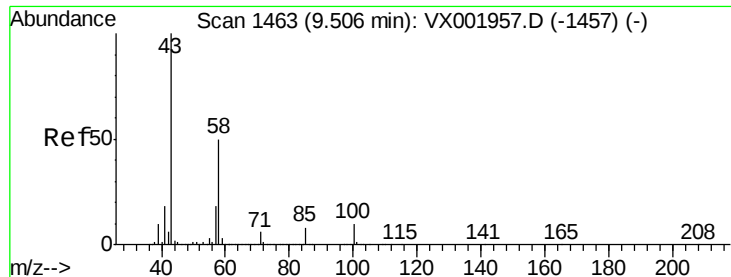
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 88.91 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	620390		
58	35.2	28.2	42.4	
85	15.8	12.4	18.6	





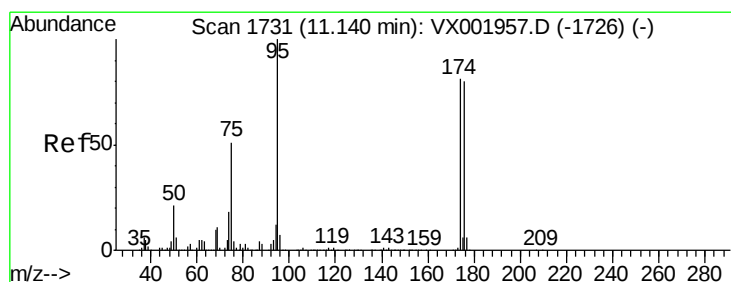
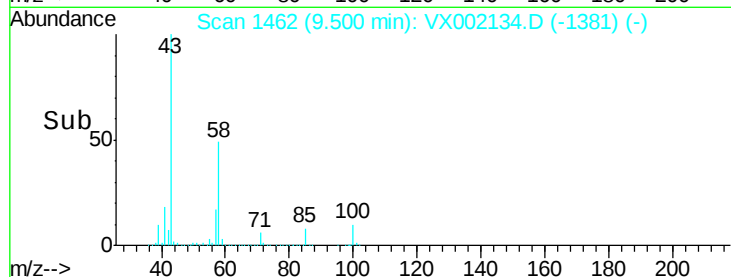
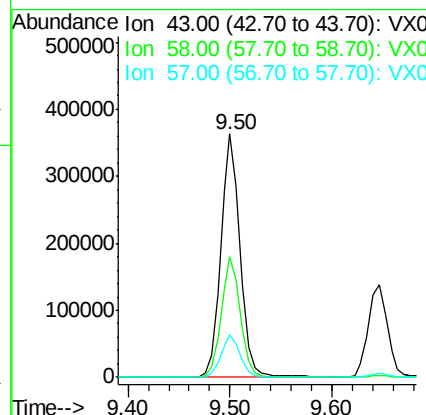
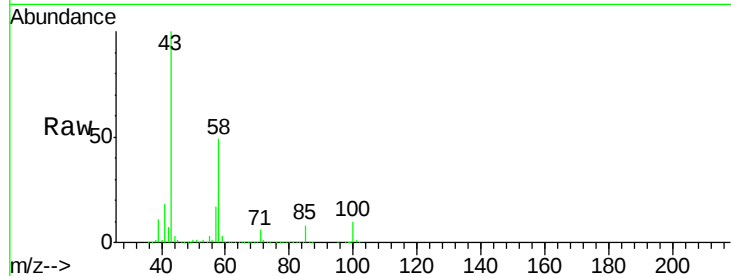
#59
2-Hexanone
Concen: 88.72 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.1	39.6	59.4
57	17.2	14.1	21.1

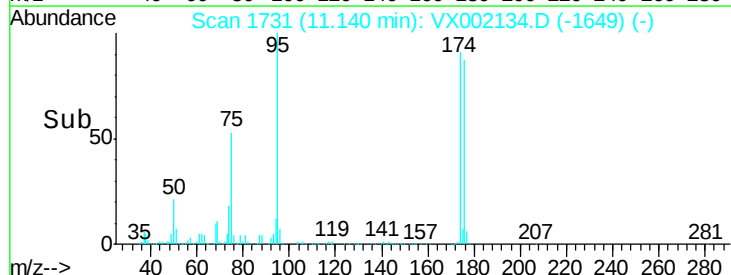
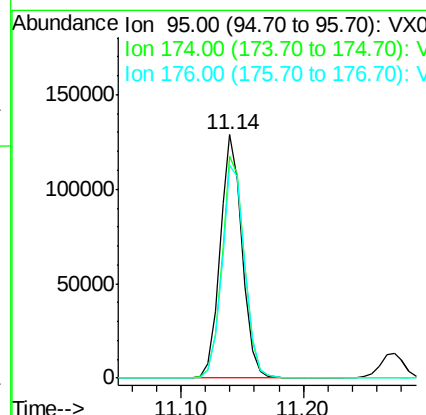
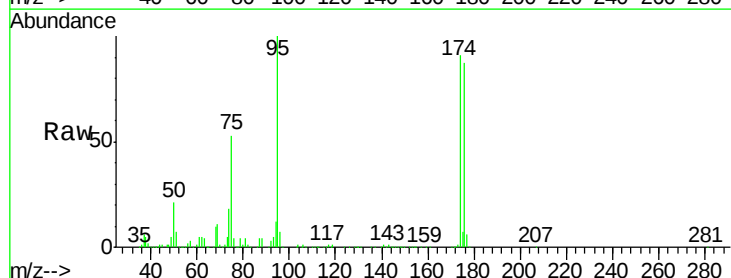
Manual Integrations
APPROVED

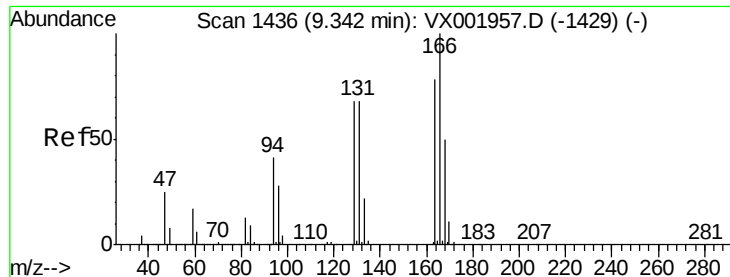
MMDadoda
5/31/2018 3:07:44 PM



#60
4-Bromofluorobenzene
Concen: 29.41 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.8	71.8	107.6
176	90.1	70.1	105.1





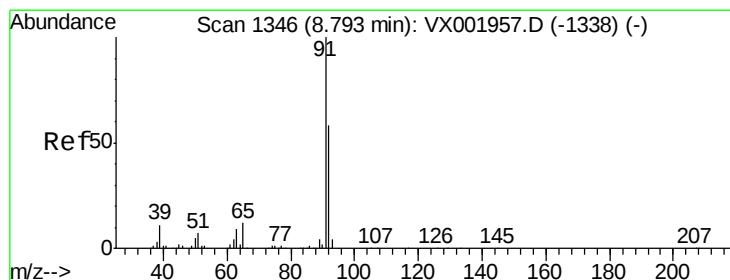
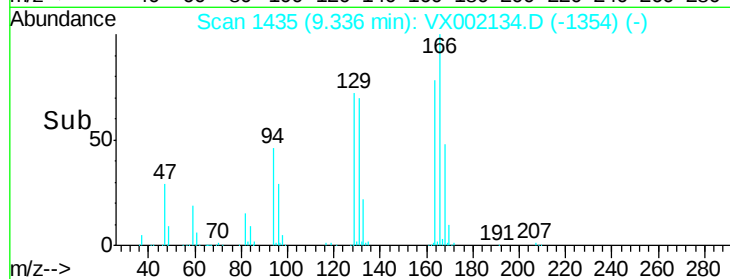
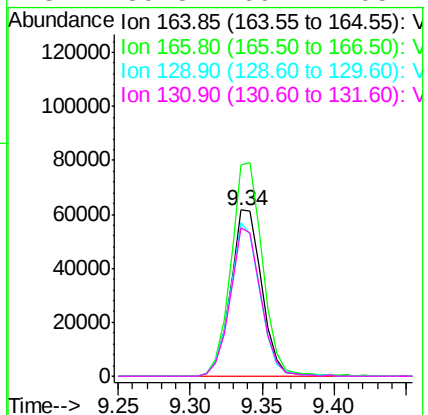
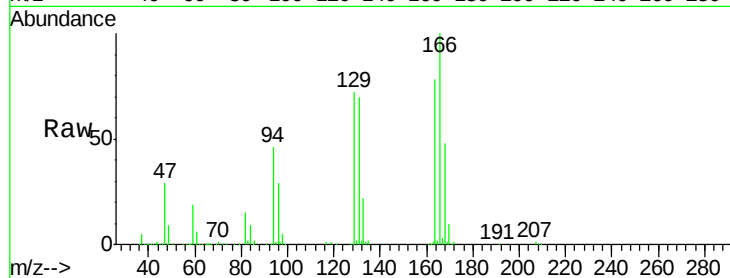
#61
Tetrachloroethene
Concen: 19.10 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.4	153.6
129	92.2	70.1	105.1
131	89.8	69.1	103.7

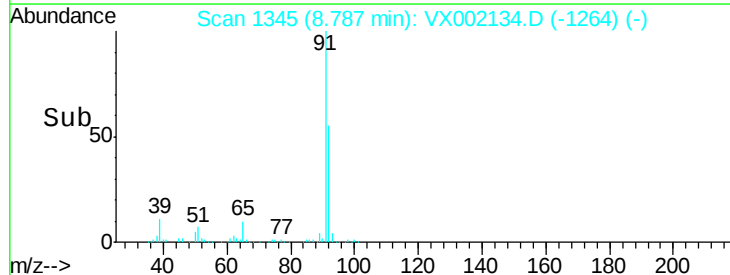
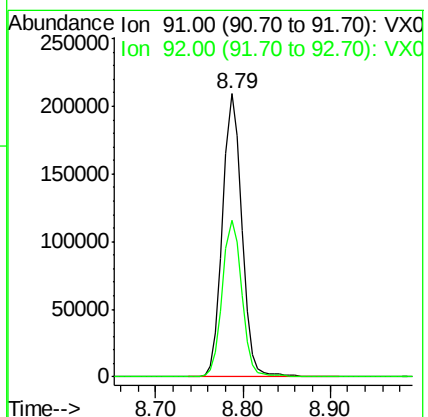
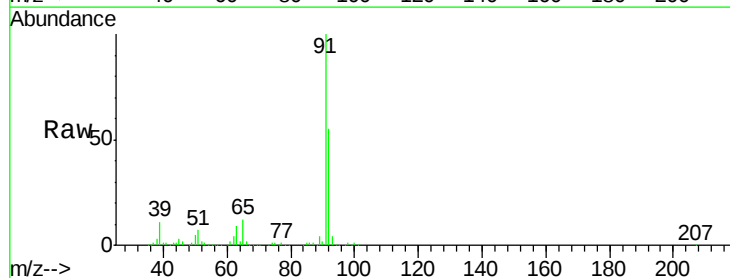
Manual Integrations
APPROVED

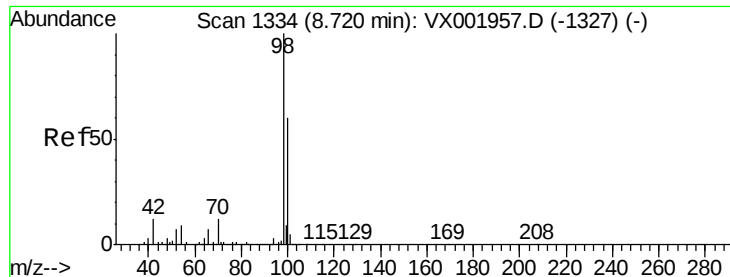
MMDadoda
5/31/2018 3:07:44 PM



#62
Toluene
Concen: 19.63 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.4	46.5	69.7





#63

Toluene-d8

Concen: 30.05 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 429529

Ion Ratio Lower Upper

98 100

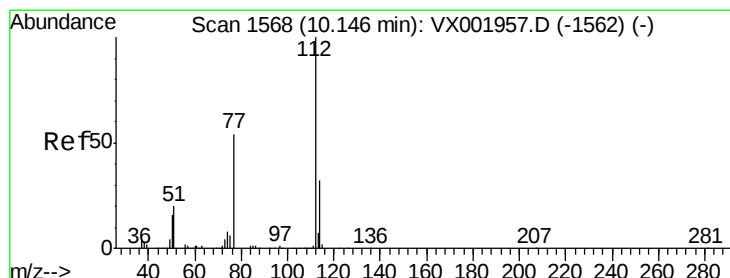
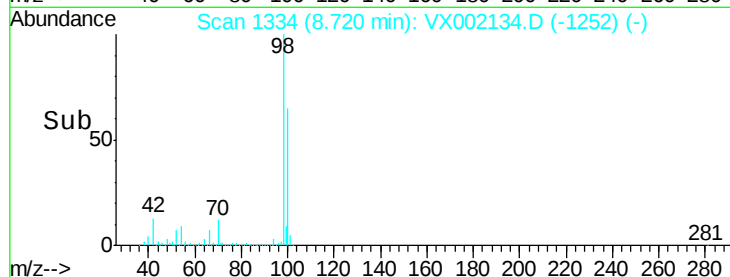
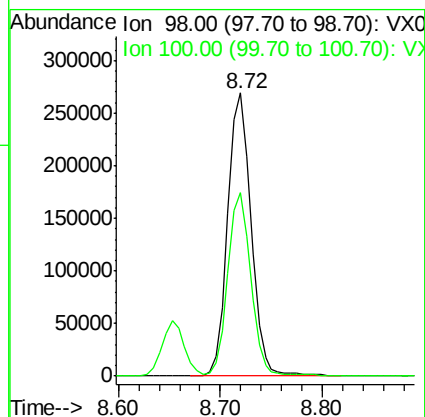
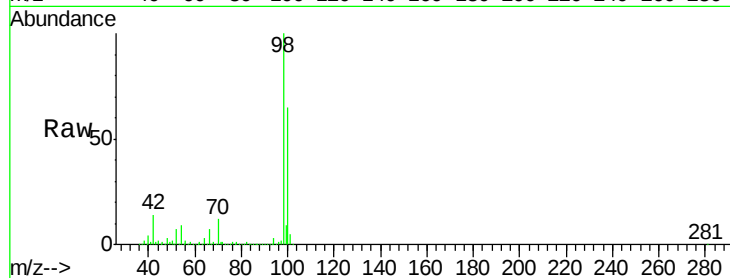
100 62.6 50.8 76.2

Manual Integrations

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#64

Chlorobenzene

Concen: 19.55 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX002134.D

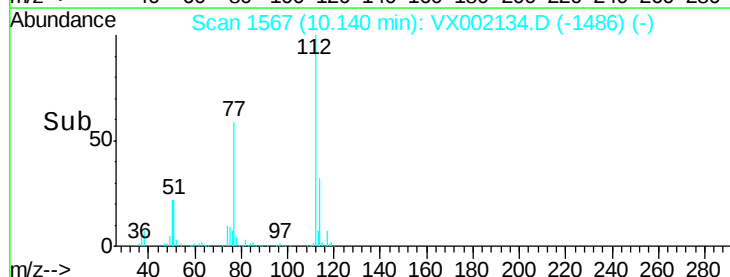
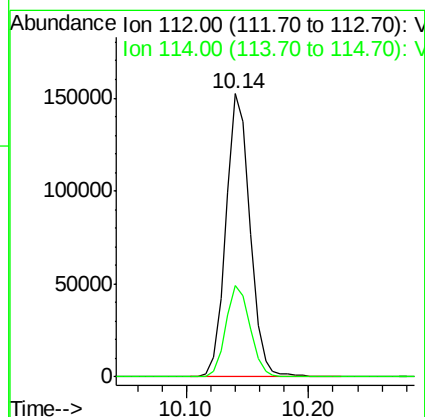
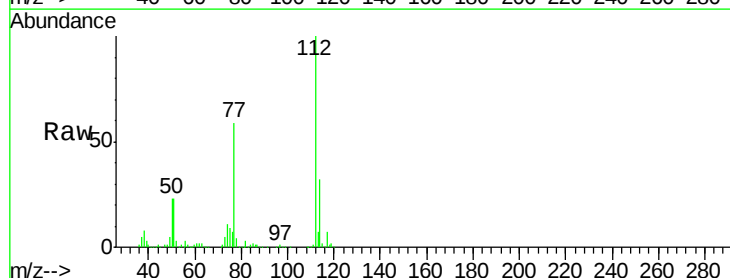
Acq: 30 May 2018 11:33

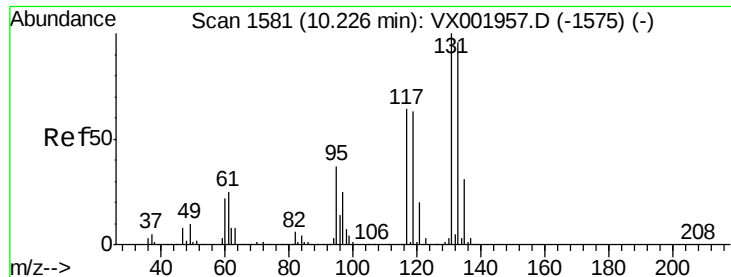
Tgt Ion: 112 Resp: 207201

Ion Ratio Lower Upper

112 100

114 32.1 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 17.91 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Instrument :

MSVOA_X

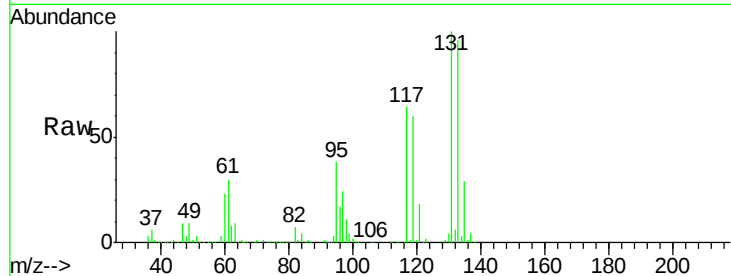
ClientSampleId :

VSTDCCC020

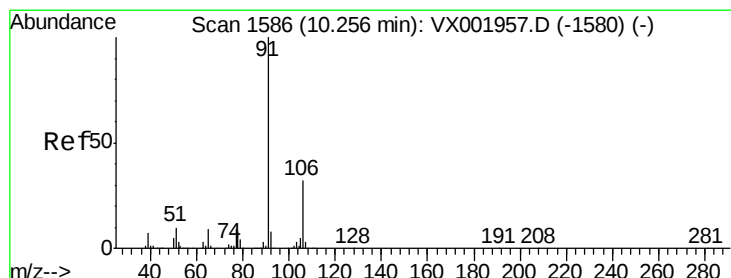
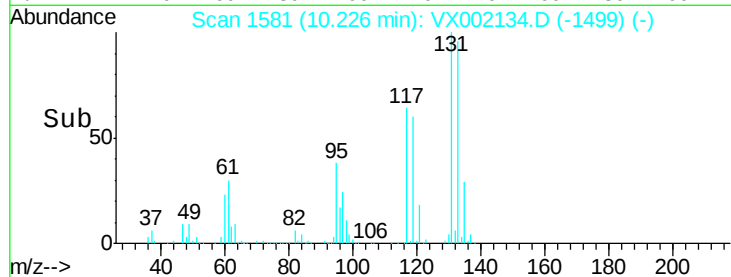
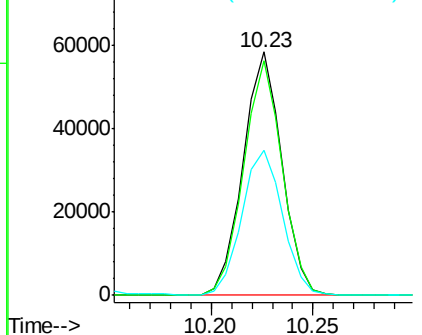
Tot Ion:	131	Resp:	77256
Ion	Ratio	Lower	Upper
131	100		
133	95.9	0.0	191.2
119	62.8	0.0	125.4

Manual Integrations
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Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.68 ug/l

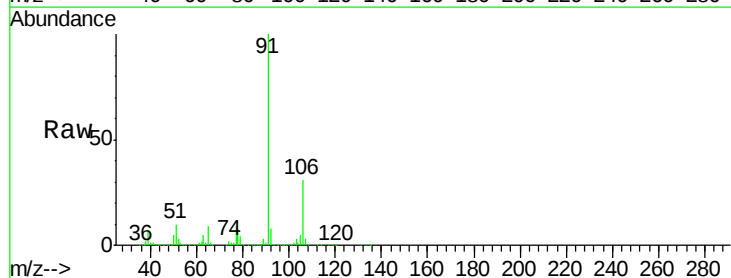
RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

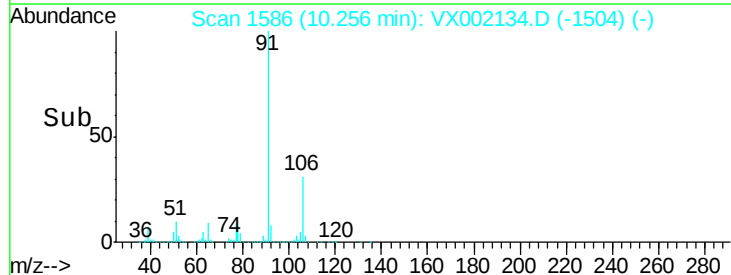
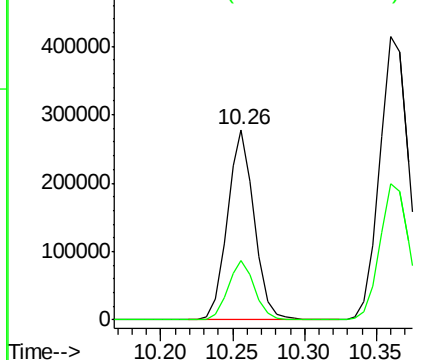
Lab File: VX002134.D

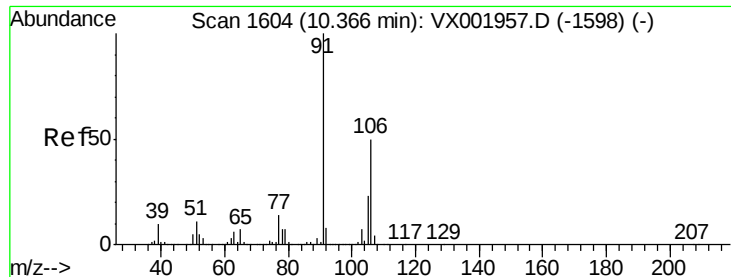
Acq: 30 May 2018 11:33

Tgt Ion:	91	Resp:	362235
Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.2	37.8



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xvlenes

Concen: 39.63 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion:106 Resp: 276867

Ion Ratio Lower Upper

106 100

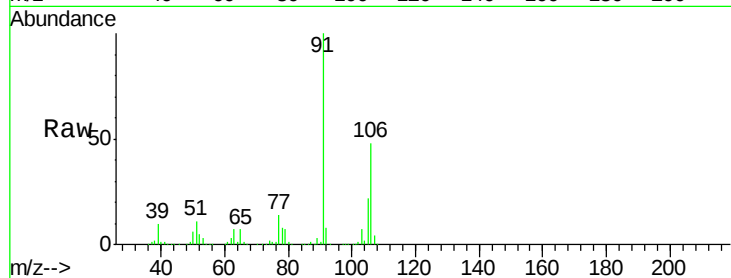
91 207.6 164.1 246.1

Manual Integrations

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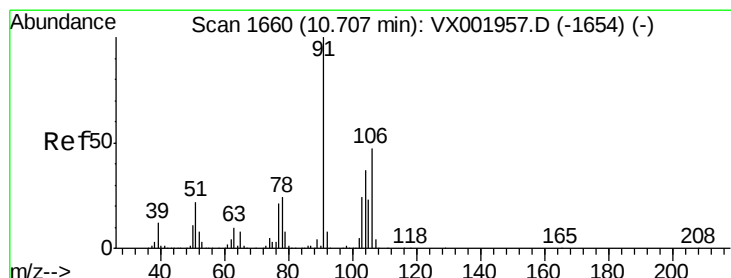
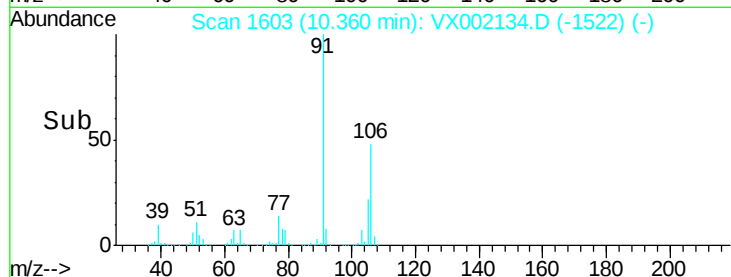
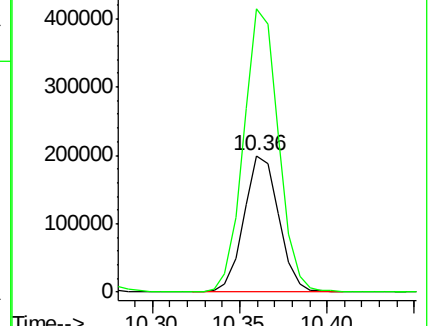
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 19.50 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX002134.D

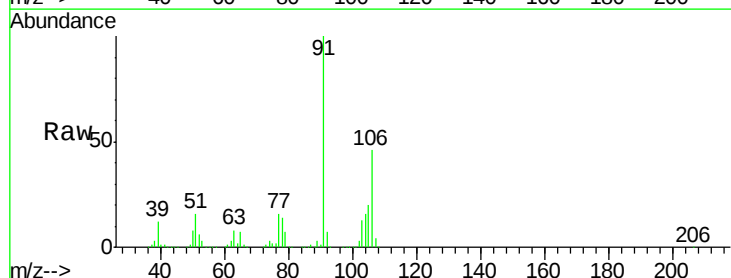
Acq: 30 May 2018 11:33

Tgt Ion:106 Resp: 136484

Ion Ratio Lower Upper

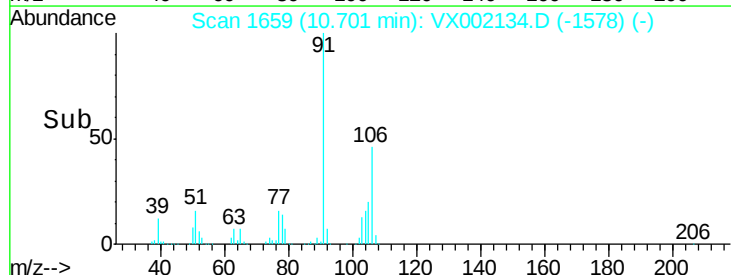
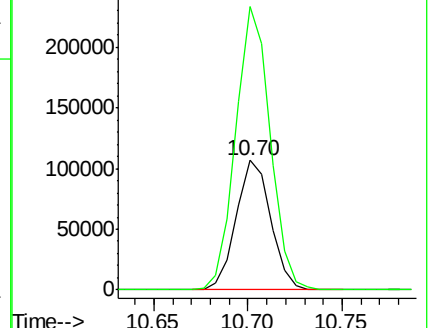
106 100

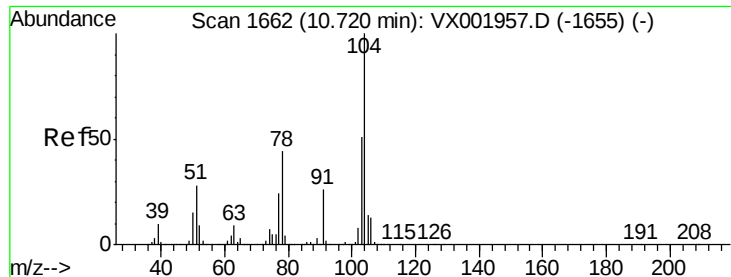
91 217.1 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





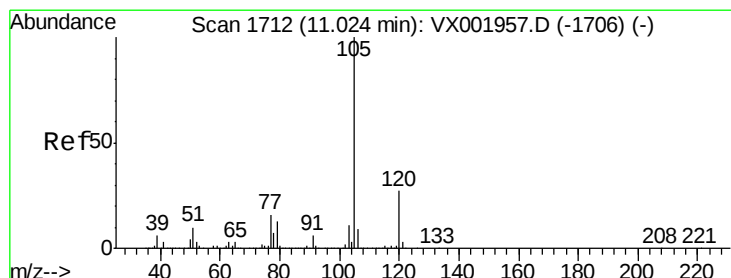
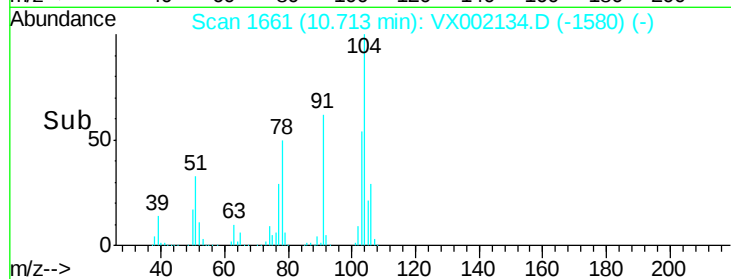
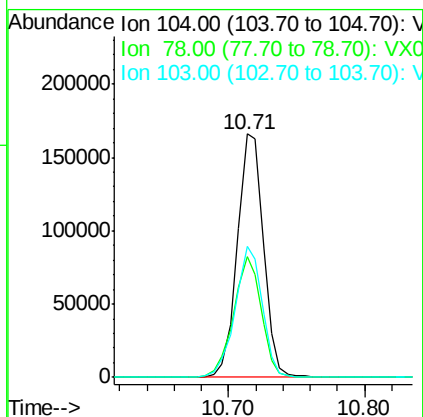
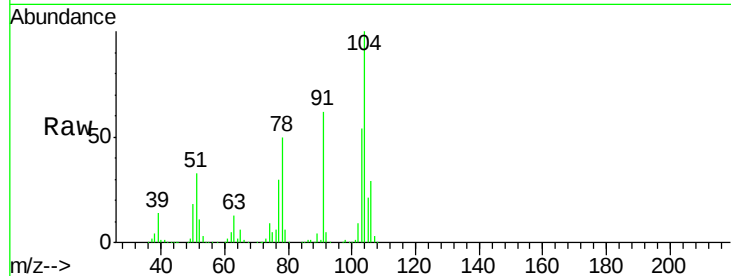
#69
Stvrene
Concen: 18.93 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	222353		
78	52.6		41.8	62.8
103	55.8		44.9	67.3

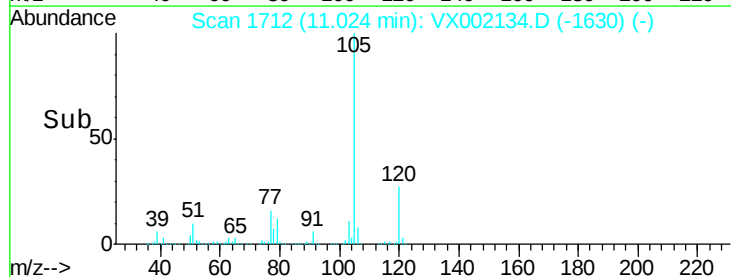
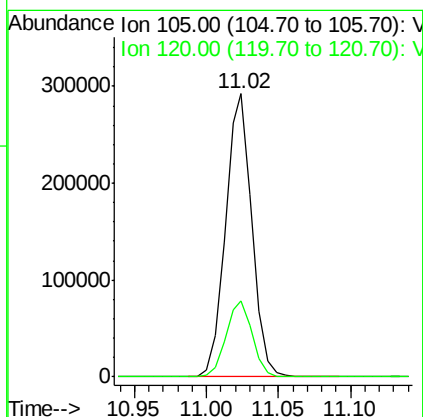
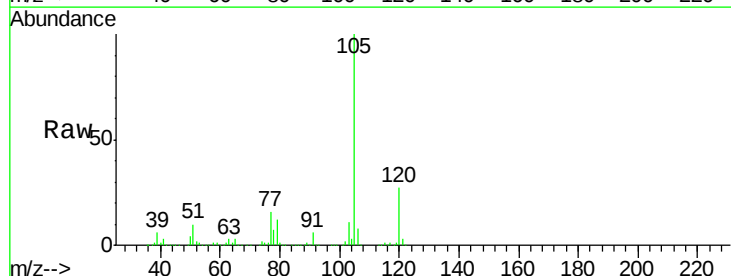
Manual Integrations
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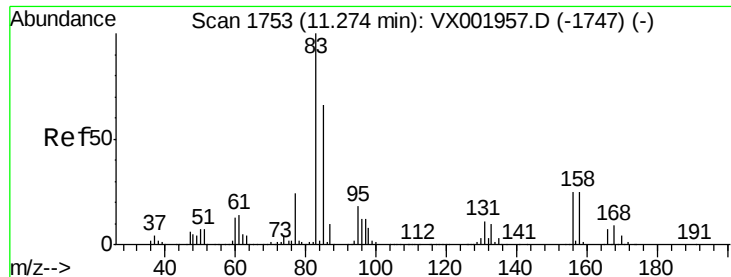
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#70
Isopropylbenzene
Concen: 19.98 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	374314		
120	27.0		19.0	35.2





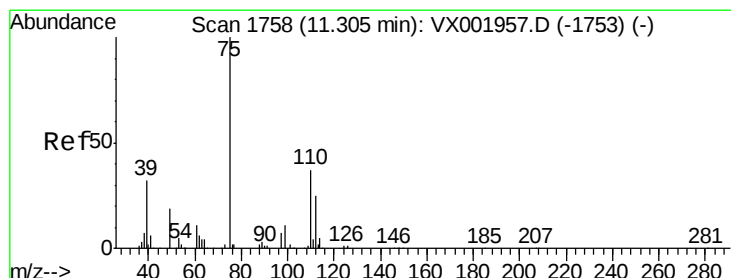
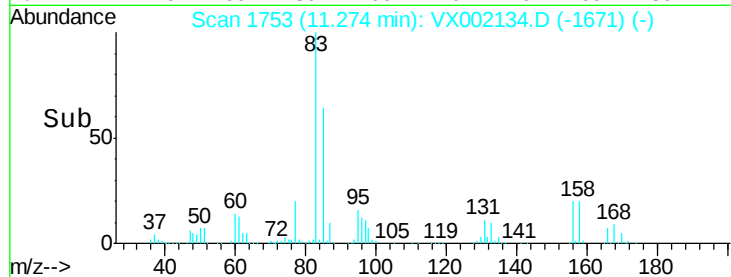
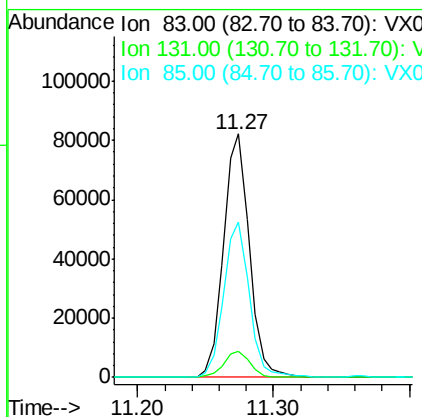
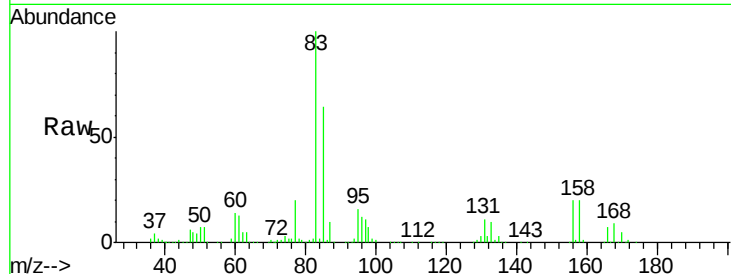
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.40 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.4	16.2
85	63.9	32.4	97.2

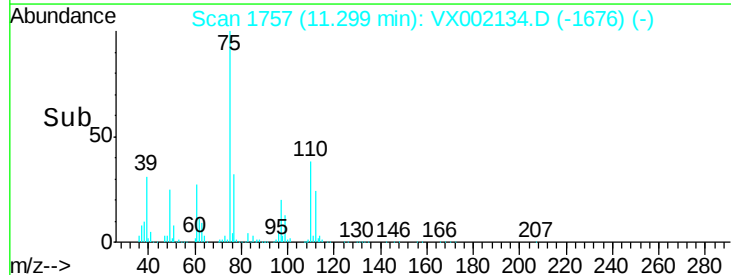
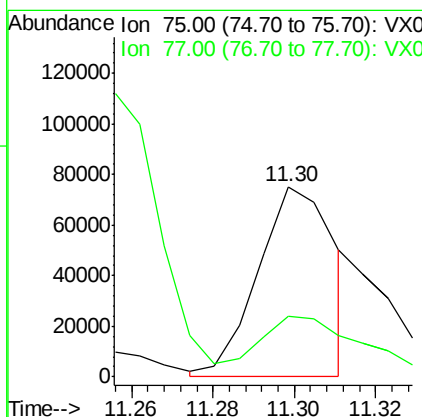
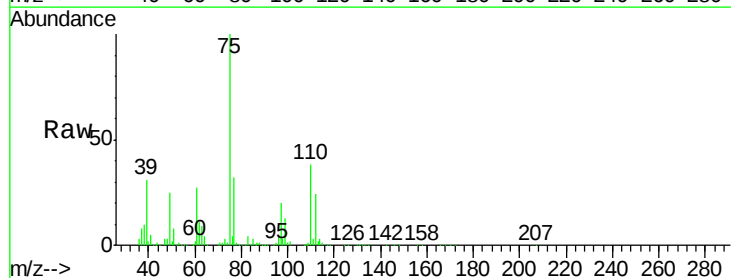
Manual Integrations
 APPROVED

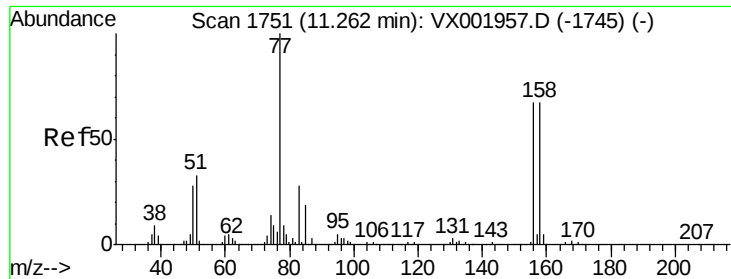
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#72
 1,2,3-Trichloropropane
 Concen: 17.70 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	43.9	0.0	71.8





#73

Bromobenzene

Concen: 19.40 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Instrument :

MSVOA_X

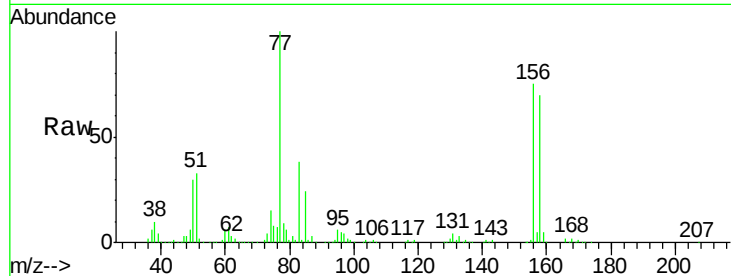
ClientSampled :

VSTDCCC020

Tot Ion:	156	Resp:	97610
Ion	Ratio	Lower	Upper
156	100		
77	145.4	0.0	301.0
158	96.9	0.0	196.2

Manual Integrations
APPROVED

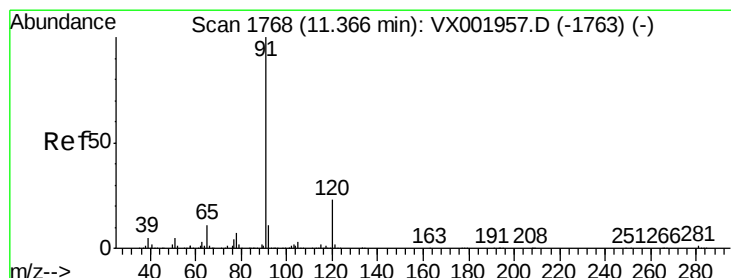
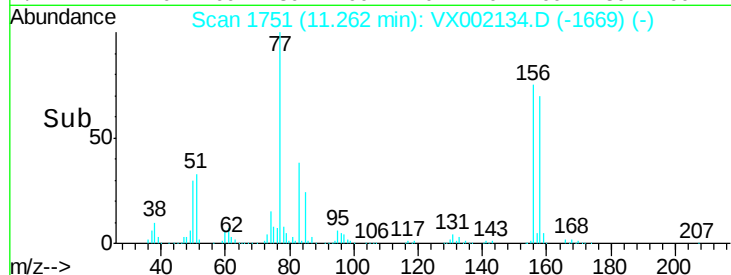
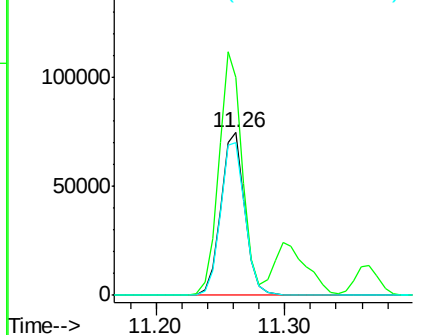
MMDadoda
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.57 ug/l

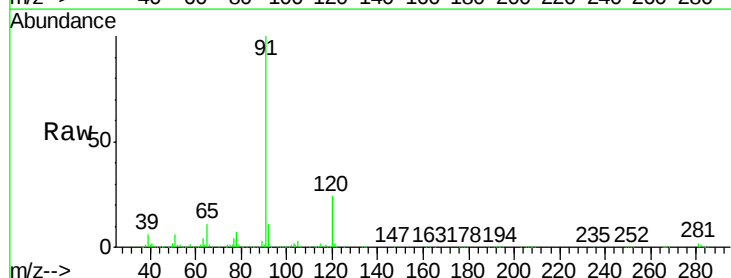
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002134.D

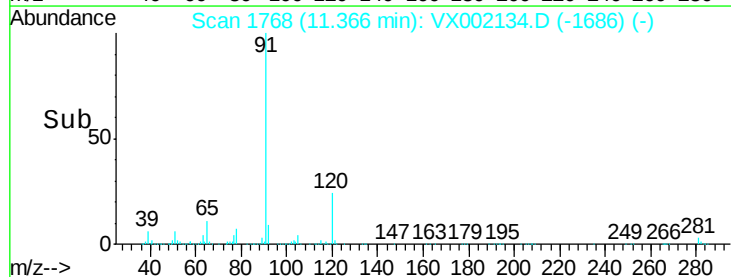
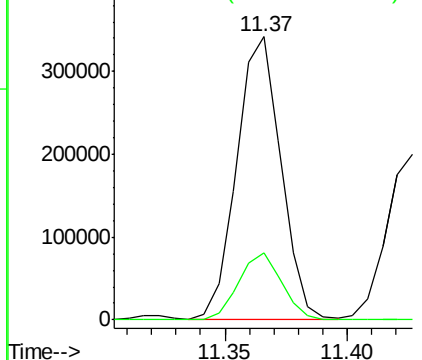
Acq: 30 May 2018 11:33

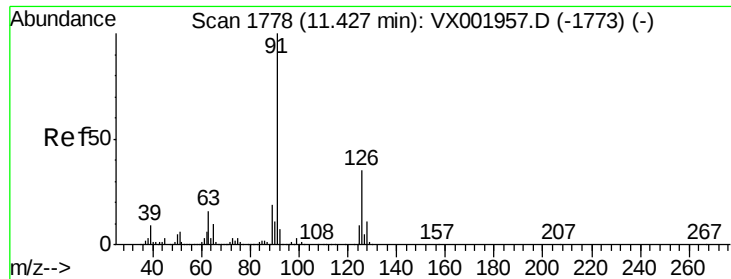
Tgt Ion:	91	Resp:	430148
Ion	Ratio	Lower	Upper
91	100		
120	23.0	0.0	46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.63 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 253140

Ion Ratio Lower Upper

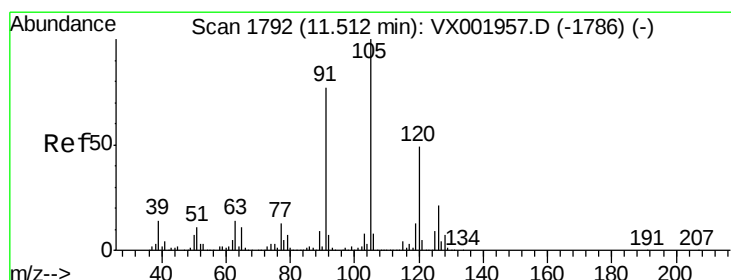
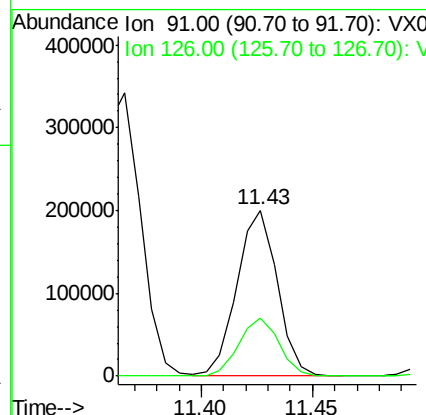
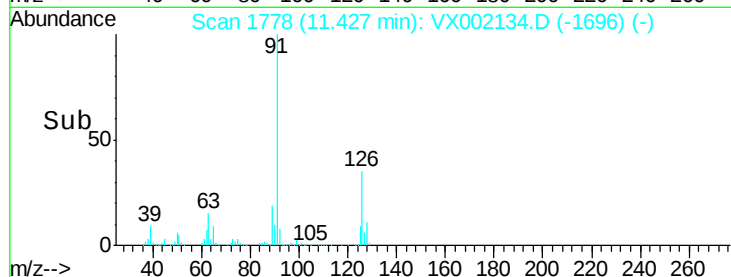
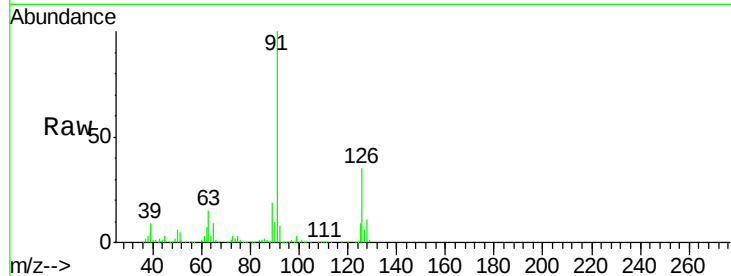
91 100

126 34.8 0.0 69.4

Manual Integrations
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MMDadoda

5/31/2018 3:07:44 PM



#76

1,3,5-Trimethylbenzene

Concen: 19.97 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002134.D

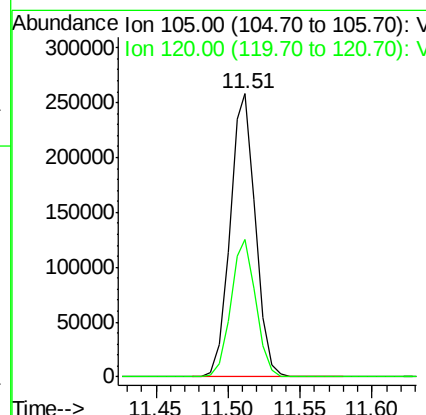
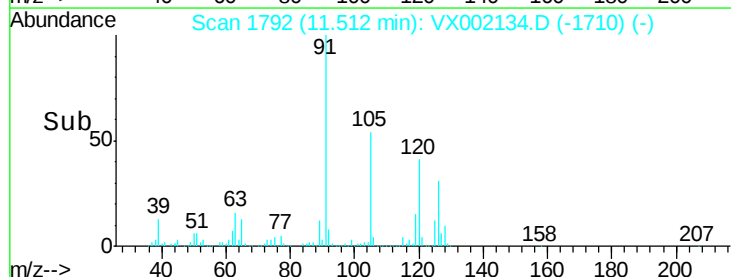
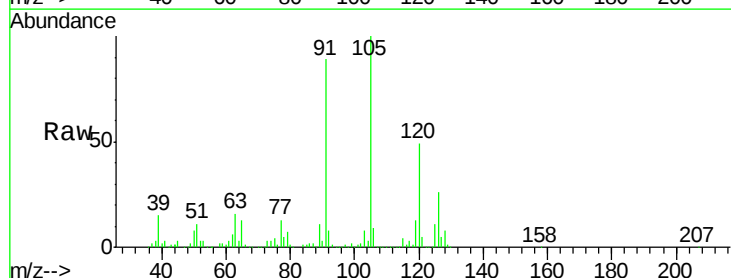
Acq: 30 May 2018 11:33

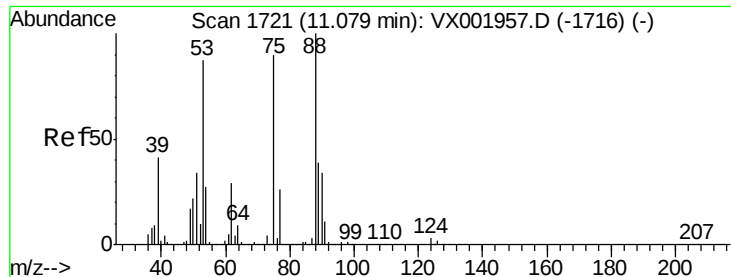
Tgt Ion: 105 Resp: 318121

Ion Ratio Lower Upper

105 100

120 48.0 0.0 96.8





#77

t-1,4-Dichloro-2-butene

Concen: 15.95 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Instrument :

MSVOA_X

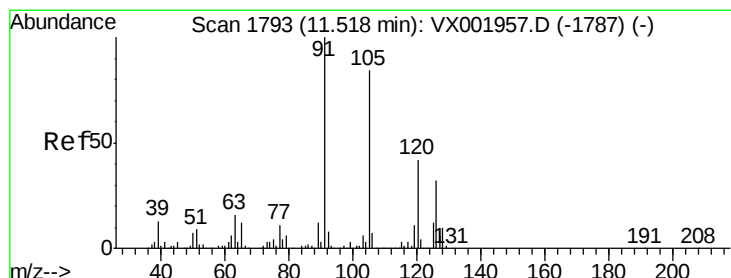
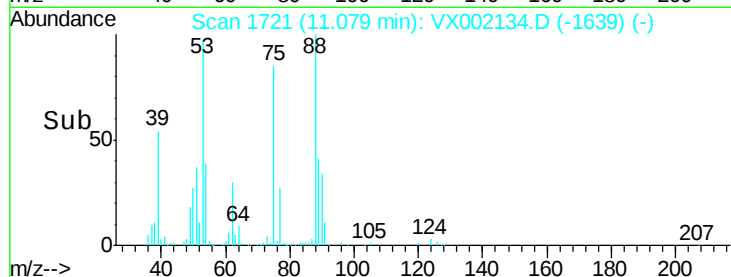
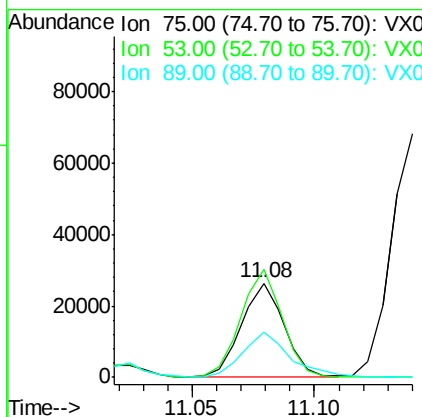
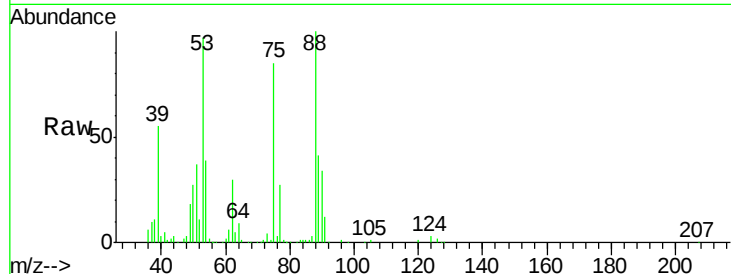
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	31951
Ion	Ratio	Lower	Upper
75	100		
53	114.7	48.3	144.9
89	47.5	21.8	65.4

Manual Integrations
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#78

4-Chlorotoluene

Concen: 20.01 ug/l

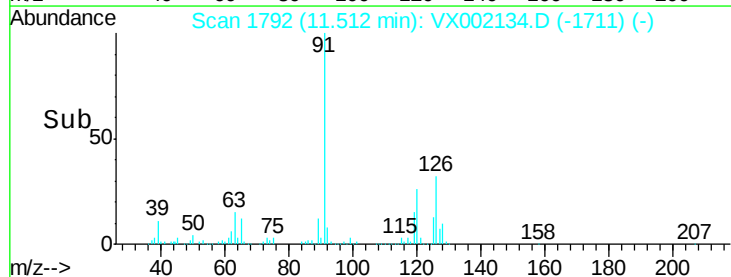
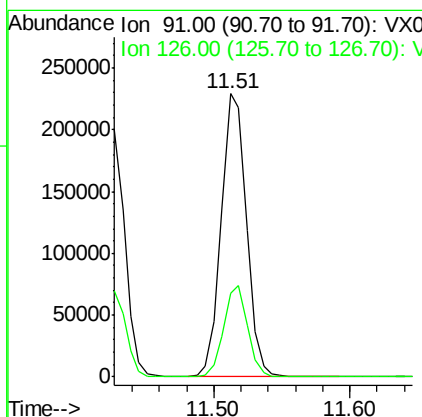
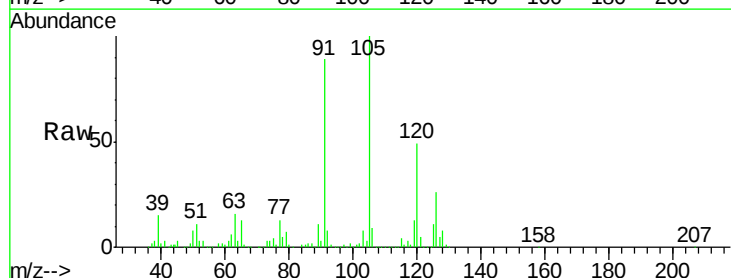
RT: 11.51 min Scan# 1792

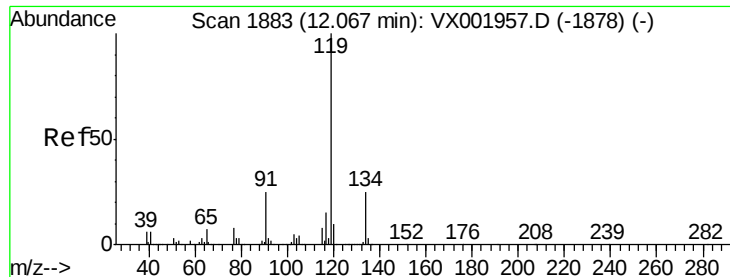
Delta R.T. -0.01 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Tgt Ion:	91	Resp:	293531
Ion	Ratio	Lower	Upper
91	100		
126	30.6	0.0	61.0





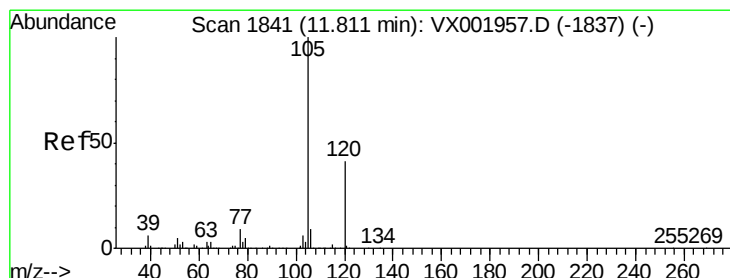
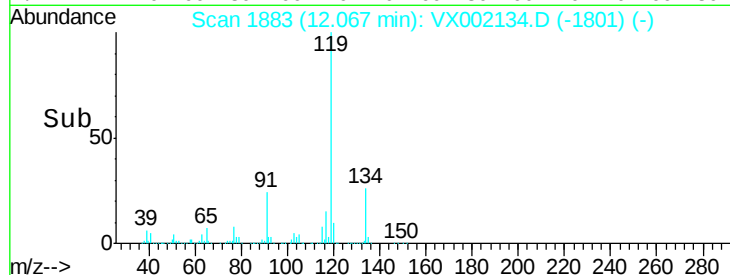
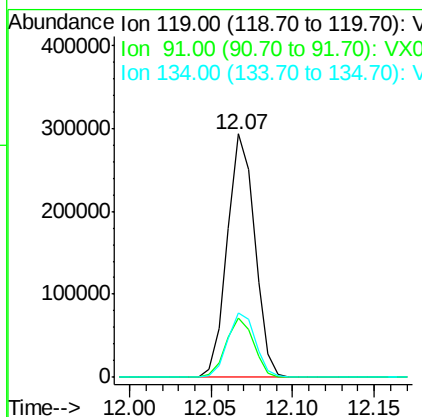
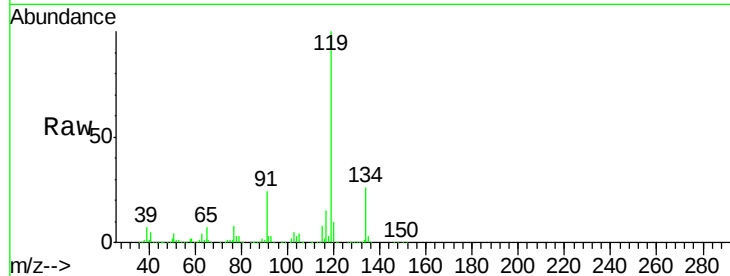
#79
tert-butylbenzene
Concen: 20.65 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	344792		
91	24.1	0.0	48.0	
134	26.8	0.0	52.6	

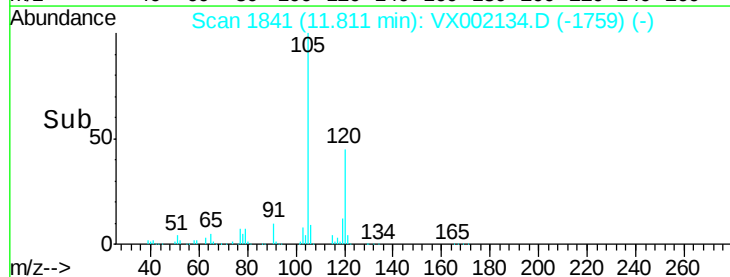
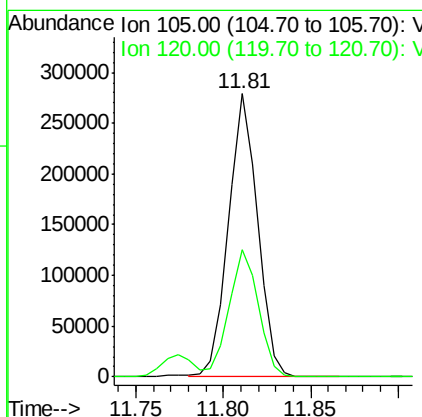
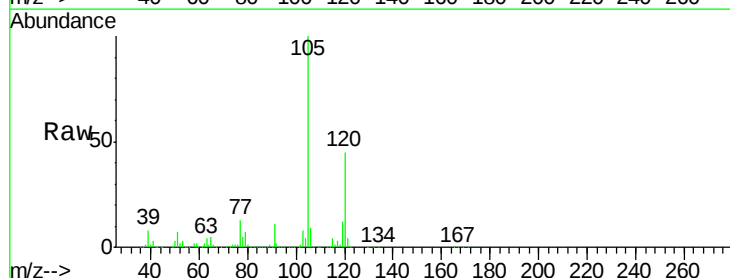
Manual Integrations
APPROVED

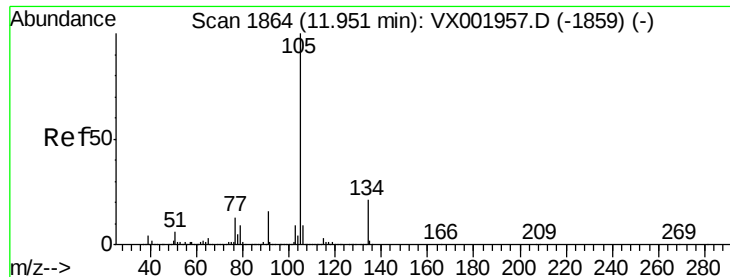
MMDadoda
5/31/2018 3:07:44 PM



#80
1,2,4-Trimethylbenzene
Concen: 20.13 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	324194		
120	45.6	0.0	89.2	





#81

sec-Butylbenzene

Concen: 20.62 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 385008

Ion Ratio Lower Upper

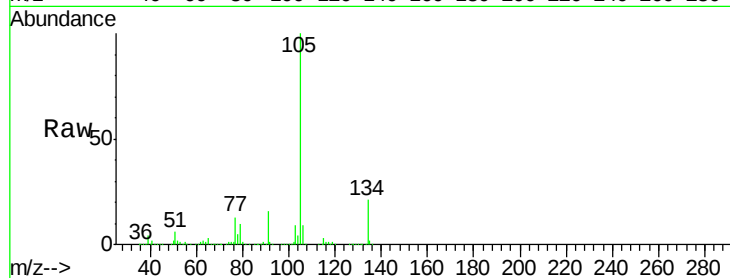
105 100

134 20.9 0.0 41.6

Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

300000

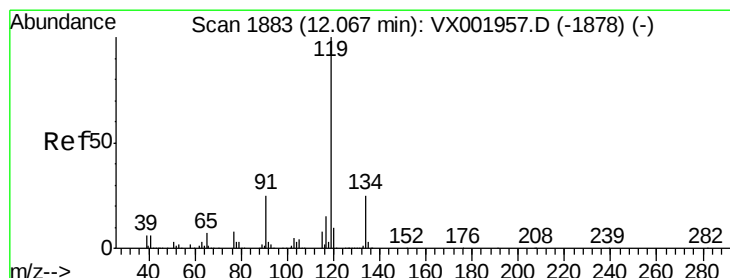
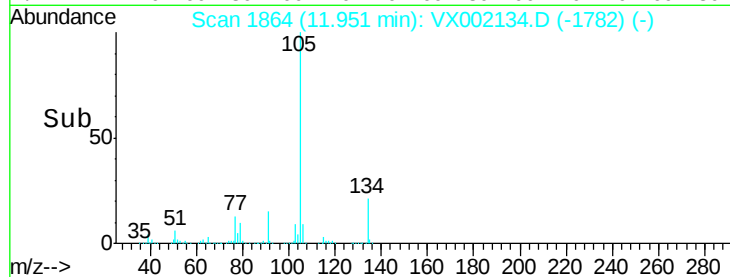
200000

100000

0

Time-->

11.90 11.95 12.00



#82

p-Isopropyltoluene

Concen: 20.65 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

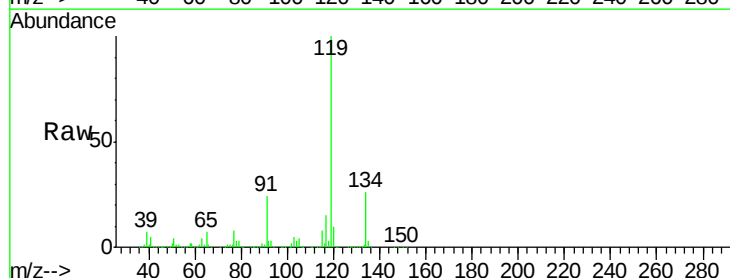
Tgt Ion:119 Resp: 344792

Ion Ratio Lower Upper

119 100

134 26.8 0.0 52.6

91 24.1 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

12.07

400000

300000

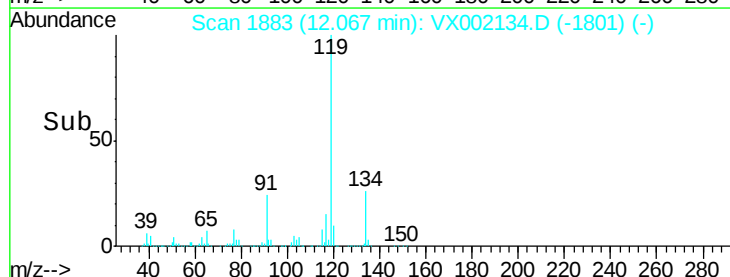
200000

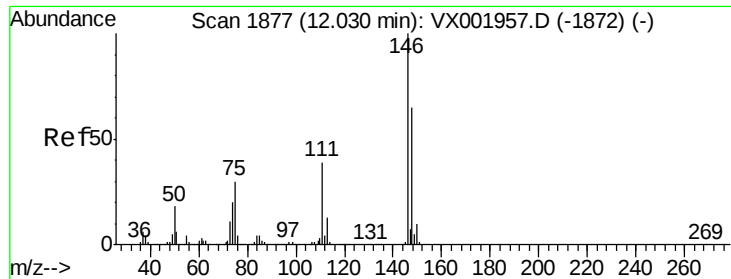
100000

0

Time-->

12.00 12.05 12.10 12.15





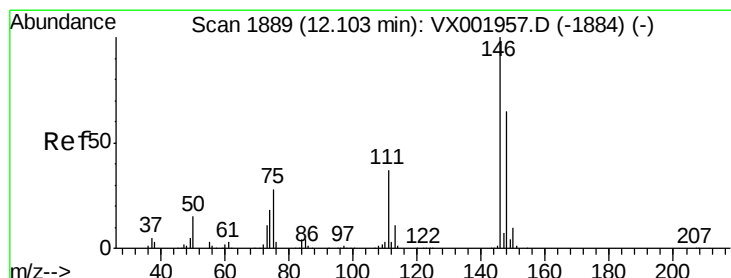
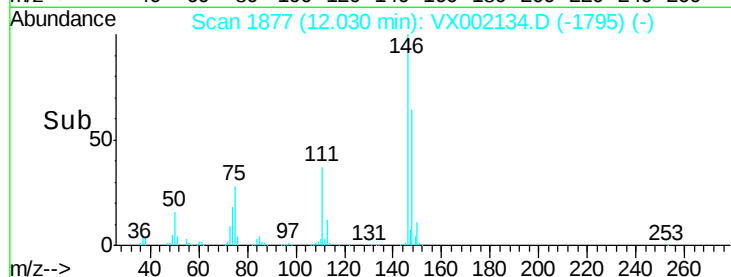
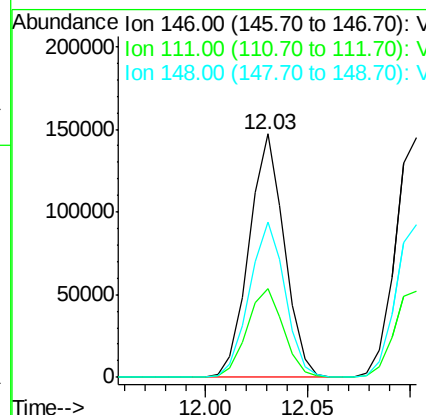
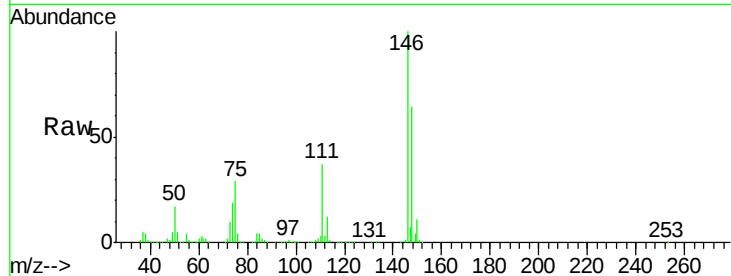
#83
 1,3-Dichlorobenzene
 Concen: 19.83 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.5
148	64.8	31.9	95.7

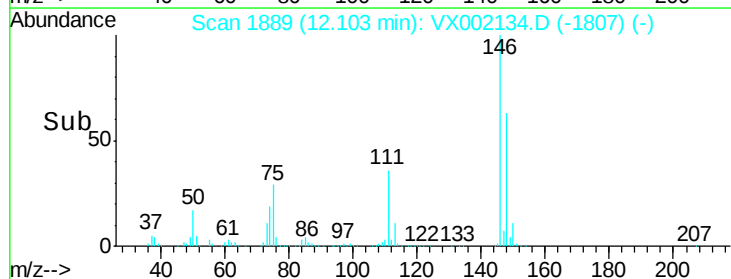
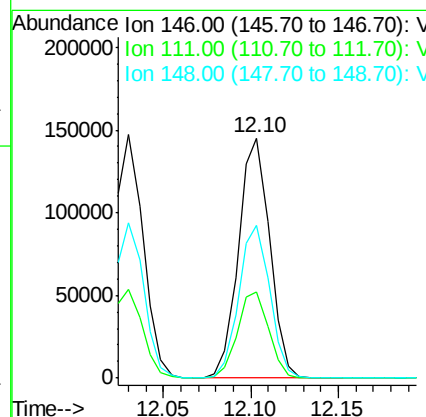
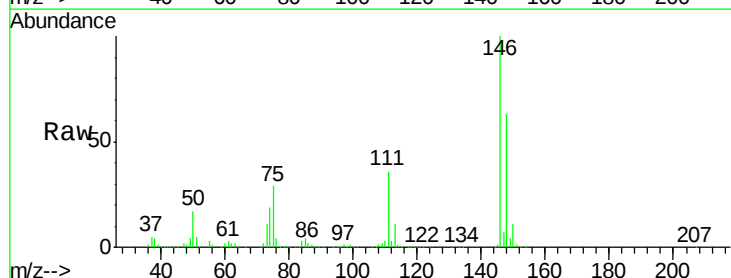
Manual Integrations
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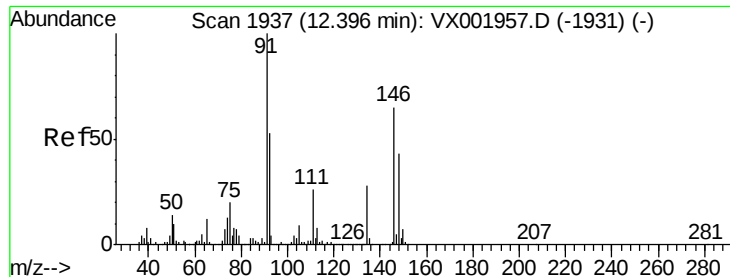
MMDadoda
 5/31/2018 3:07:44 PM



#84
 1,4-Dichlorobenzene
 Concen: 20.35 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.5	55.5
148	63.2	32.0	96.0





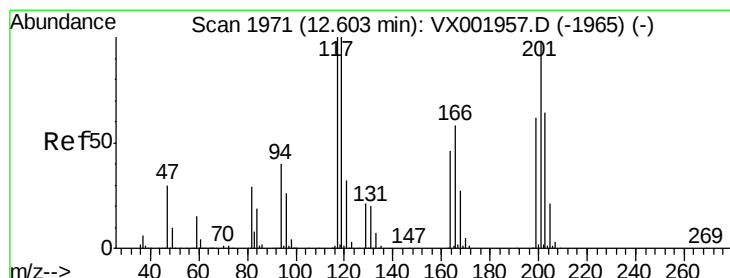
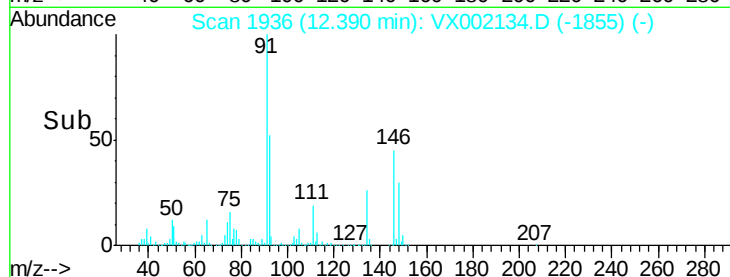
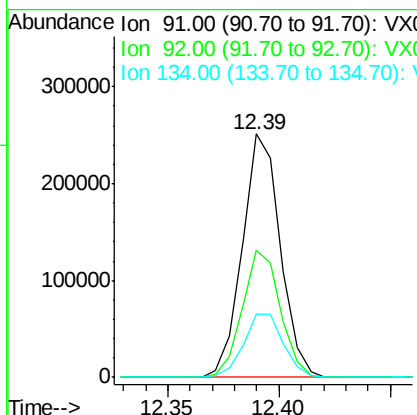
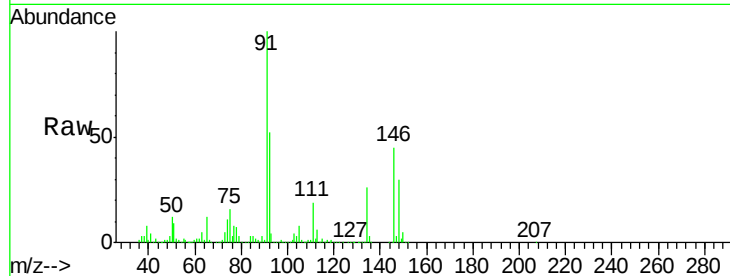
#85
n-Butylbenzene
Concen: 21.33 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	298763		
92	52.3		0.0	105.2
134	27.2		0.0	53.2

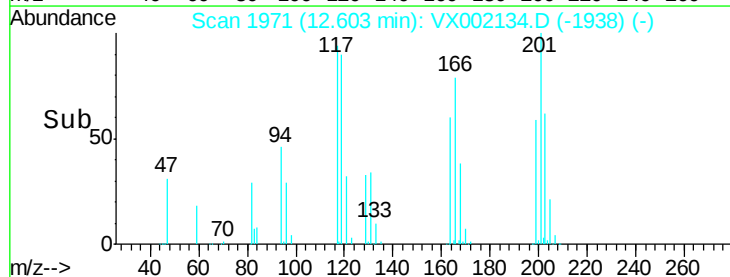
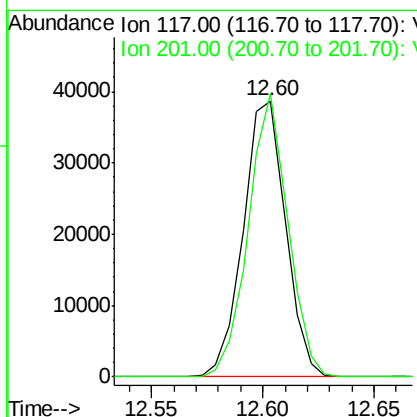
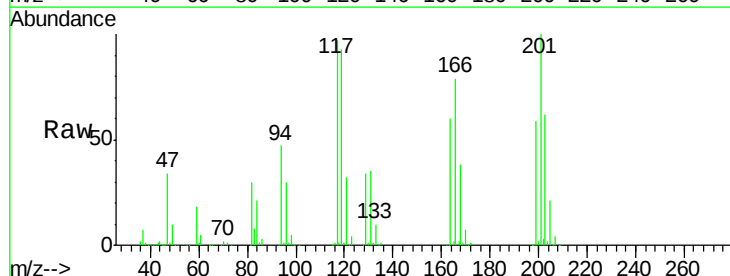
Manual Integrations
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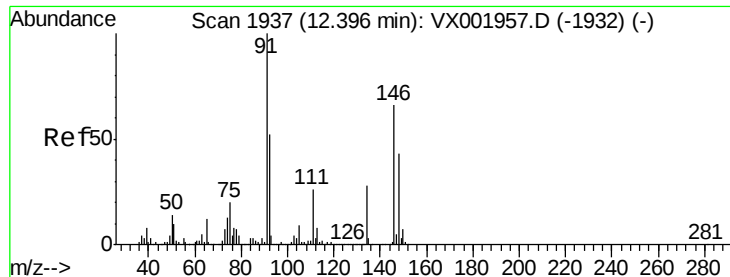
MMDadoda
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#86
Hexachloroethane
Concen: 15.48 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	51454		
201	95.4		47.6	142.8





#87

1,2-Dichlorobenzene

Concen: 19.55 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002134.D

Acq: 30 May 2018 11:33

Instrument :

MSVOA_X

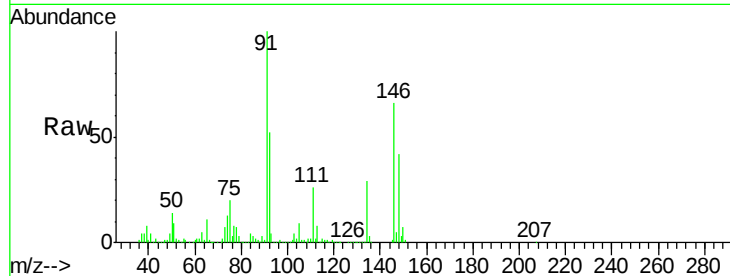
ClientSampleId :

VSTDCCC020

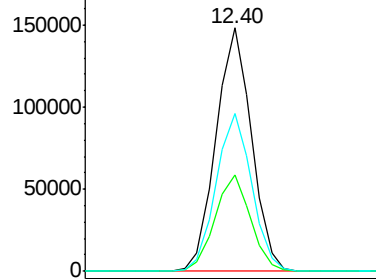
Tot Ion:	146	Resp:	179483
Ion Ratio	Lower	Upper	
146	100		
111	39.5	20.0	59.9
148	65.2	32.8	98.3

Manual Integrations
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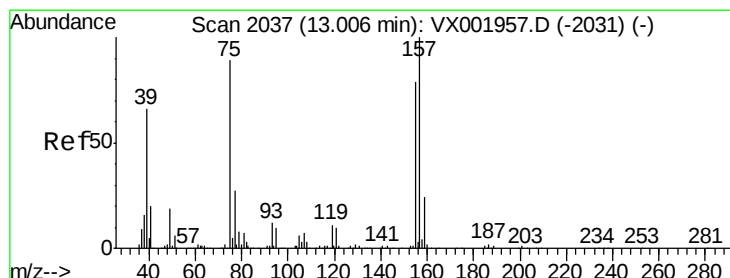
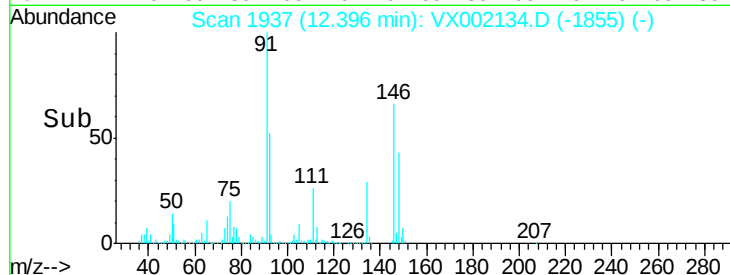
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



Time-->



#88

1,2-Dibromo-3-Chloropropane

Concen: 14.75 ug/l

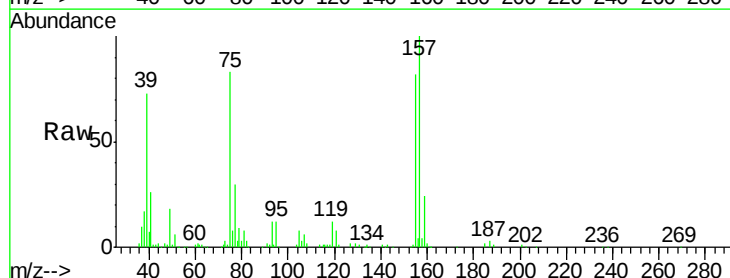
RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

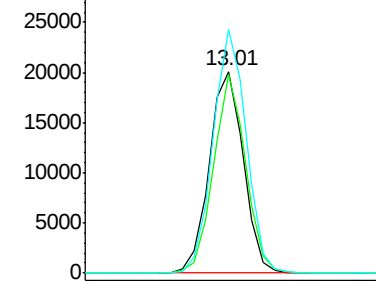
Lab File: VX002134.D

Acq: 30 May 2018 11:33

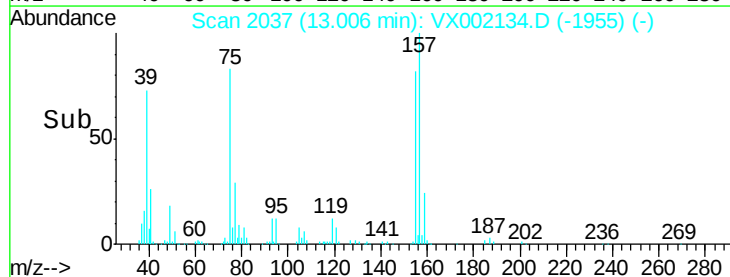
Tgt Ion:	75	Resp:	25224
Ion Ratio	Lower	Upper	
75	100		
155	91.9	73.1	109.7
157	117.2	93.1	139.7

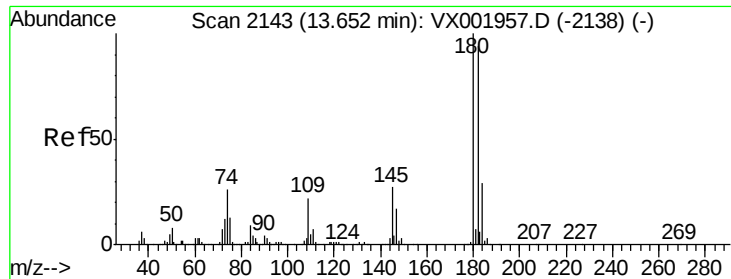


Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 155.00 (154.70 to 155.70): V
Ion 157.00 (156.70 to 157.70): V



Time-->





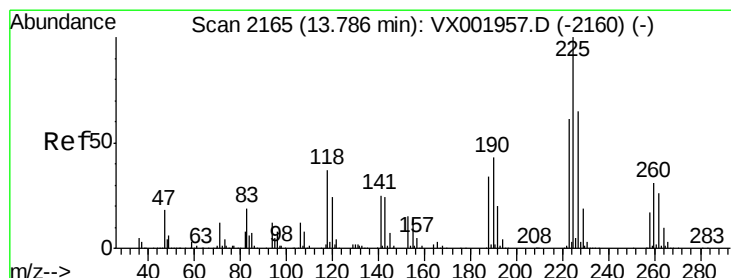
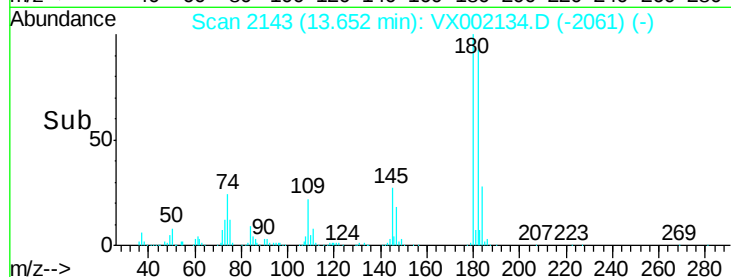
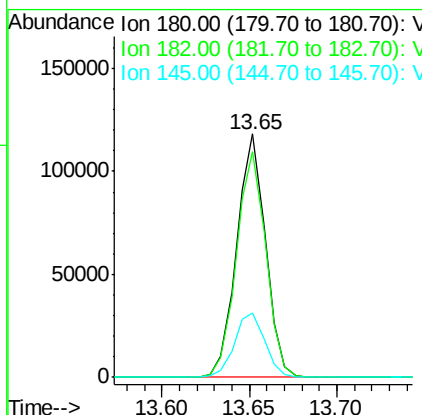
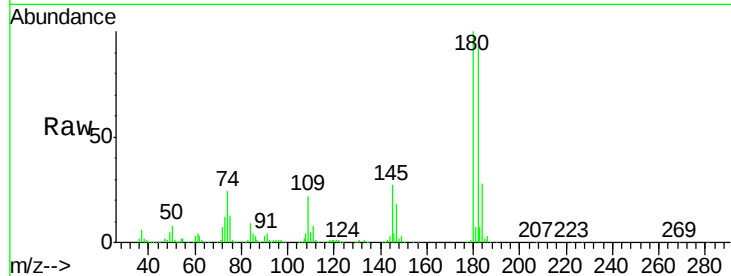
#89
 1,2,4-Trichlorobenzene
 Concen: 20.64 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	134634		
182	94.9	76.4	114.6	
145	28.1	22.9	34.3	

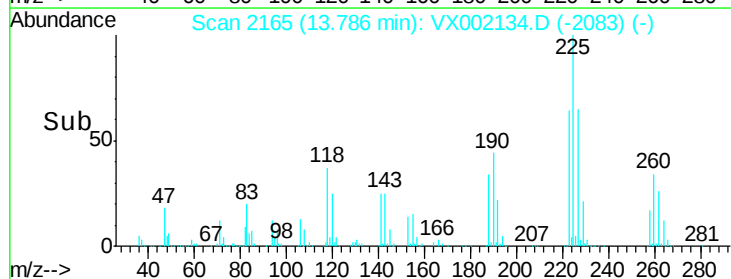
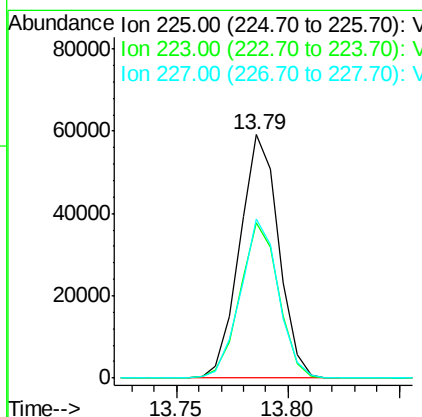
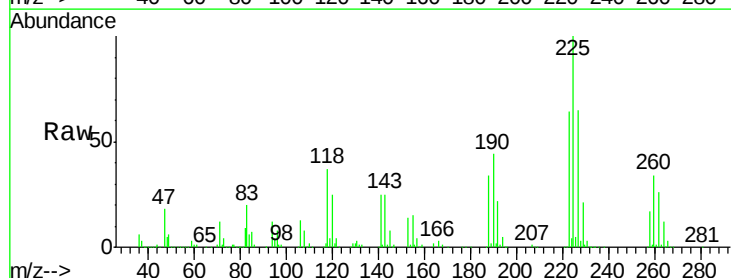
Manual Integrations
 APPROVED

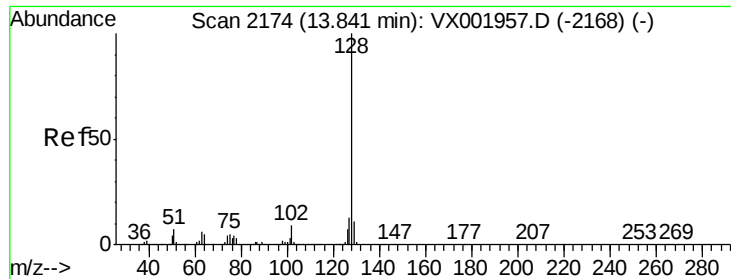
MMDadoda
 5/31/2018 3:07:44 PM



#90
 Hexachlorobutadiene
 Concen: 20.77 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002134.D
 Acq: 30 May 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72071		
223	63.1	0.0	122.4	
227	63.7	0.0	128.0	





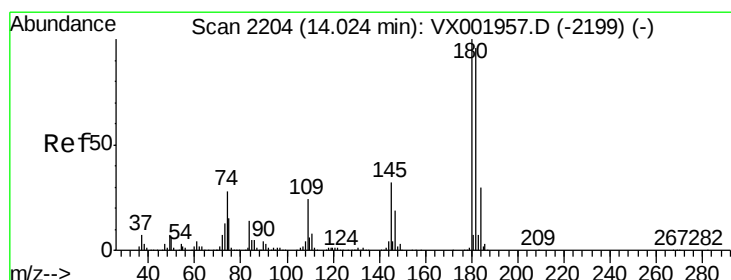
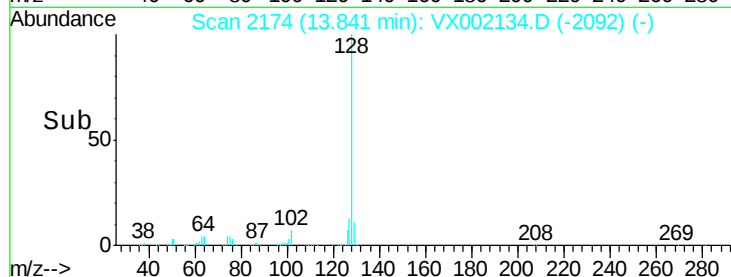
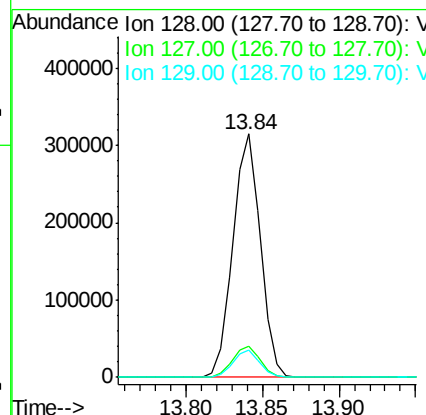
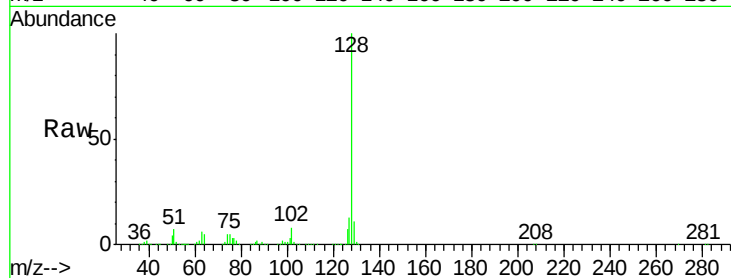
#91
Naphthalene
Concen: 19.03 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	391631		
127	13.0		10.3	15.5
129	10.9		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:44 PM



#92
1,2,3-Trichlorobenzene
Concen: 19.68 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX002134.D
Acq: 30 May 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	134065		
182	98.4		0.0	191.0
145	30.7		0.0	60.6

