

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002039.D
 Acq On : 27 May 2018 00:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/30/2018 1:50:12 PM

Quant Time: May 28 03:59:32 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	271536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	385165	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	357534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	243960	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	218236	44.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.92%	
35) Dibromofluoromethane	5.51	113	173730	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	
50) Toluene-d8	8.72	98	642129	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
62) 4-Bromofluorobenzene	11.14	95	252280	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	155736	45.65	ug/l	99
3) Chloromethane	1.33	50	197695	47.32	ug/l	100
4) Vinyl Chloride	1.41	62	201102	49.85	ug/l	99
5) Bromomethane	1.64	94	109536	59.17	ug/l	98
6) Chloroethane	1.72	64	126514	53.20	ug/l	99
7) Trichlorofluoromethane	1.93	101	317181	52.36	ug/l	98
8) Diethyl Ether	2.20	74	117681	53.54	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	172324	50.98	ug/l	98
10) Methyl Iodide	2.51	142	229071	50.08	ug/l	98
11) Tert butyl alcohol	3.09	59	267475	280.74	ug/l	98
12) 1,1-Dichloroethene	2.38	96	163433	51.64	ug/l	99
13) Acrolein	2.30	56	73833	179.23	ug/l	98
14) Allyl chloride	2.73	41	339303	51.07	ug/l	99
15) Acrylonitrile	3.16	53	516095	263.42	ug/l	99
16) Acetone	2.45	43	489478	261.31	ug/l	99
17) Carbon Disulfide	2.57	76	432898	47.52	ug/l	100
18) Methyl Acetate	2.79	43	262535	58.37	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	631634	53.06	ug/l	100
20) Methylene Chloride	2.86	84	184846	57.23	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	171850	55.96	ug/l	98
22) Diisopropyl ether	3.89	45	659844	48.83	ug/l	98
23) Vinyl Acetate	3.84	43	2825182	252.15	ug/l	99
24) 1,1-Dichloroethane	3.70	63	324773	50.59	ug/l	99
25) 2-Butanone	4.72	43	776779	226.25	ug/l	99
26) 2,2-Dichloropropane	4.59	77	204179	31.42	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	193485	46.88	ug/l	93
28) Bromochloromethane	5.03	49	146317	54.43	ug/l	99
29) Tetrahydrofuran	5.18	42	508532	227.66	ug/l	100
30) Chloroform	5.23	83	337659	46.69	ug/l	98
31) Cyclohexane	5.58	56	297012	44.41	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	311667	46.23	ug/l	99
36) 1,1-Dichloropropene	5.81	75	240840	44.95	ug/l	98
37) Ethyl Acetate	4.87	43	307411	44.01	ug/l	100
38) Carbon Tetrachloride	5.79	117	278728	44.61	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	286464	43.52	ug/l	98
40) Benzene	6.15	78	735223	46.84	ug/l	99
41) Methacrylonitrile	5.07	41	177279	48.04	ug/l	98
42) 1,2-Dichloroethane	6.21	62	287160	45.80	ug/l	100
43) Isopropyl Acetate	6.48	43	528751	45.43	ug/l	100
44) Trichloroethene	7.22	130	210313	45.98	ug/l	98
45) 1,2-Dichloropropane	7.52	63	202951	47.61	ug/l	99
46) Dibromomethane	7.67	93	130789	46.34	ug/l	99
47) Bromodichloromethane	7.90	83	267569	44.47	ug/l	99
48) Methyl methacrylate	7.78	41	268214	45.28	ug/l	99
49) 1,4-Dioxane	7.76	88	101476	972.20	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1658845	236.45	ug/l	99
52) Toluene	8.79	92	475916	47.64	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	304014	43.87	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	292612	43.33	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	192742	46.19	ug/l	99
56) Ethyl methacrylate	9.19	69	324446	45.20	ug/l	99
57) 1,3-Dichloropropane	9.38	76	326225	47.46	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	762237	239.60	ug/l	99
59) 2-Hexanone	9.50	43	1279372	236.51	ug/l	99
60) Dibromochloromethane	9.59	129	225594	45.64	ug/l	100
61) 1,2-Dibromoethane	9.68	107	206167	47.09	ug/l	99
64) Tetrachloroethene	9.34	164	238785	46.58	ug/l	99
65) Chlorobenzene	10.15	112	537449	47.45	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	209754	45.86	ug/l	100
67) Ethyl Benzene	10.26	91	938296	47.68	ug/l	99
68) m/p-Xylenes	10.37	106	715939	95.16	ug/l	100
69) o-Xylene	10.70	106	359609	47.87	ug/l	99
70) Styrene	10.72	104	593477	47.64	ug/l	100
71) Bromoform	10.86	173	189761	43.75	ug/l #	99
73) Isopropylbenzene	11.02	105	960193	46.48	ug/l	100
74) N-amyl acetate	6.48	43	528751	49.29	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	287673	50.94	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	297798m	50.82	ug/l	
77) Bromobenzene	11.26	156	258023	47.08	ug/l	97
78) n-propylbenzene	11.37	91	1079009	46.63	ug/l	100
79) 2-Chlorotoluene	11.43	91	650744	51.33	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	819581	46.42	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	89991	36.91	ug/l	95
82) 4-Chlorotoluene	11.52	91	768275	47.08	ug/l	99
83) tert-Butylbenzene	11.77	119	798517	46.09	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	842834	46.20	ug/l	99
85) sec-Butylbenzene	11.95	105	979227	47.02	ug/l	100
86) p-Isopropyltoluene	12.07	119	871771	46.78	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	460296	46.89	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	463482	47.23	ug/l	99
89) n-Butylbenzene	12.39	91	737267	46.69	ug/l	100
90) Hexachloroethane	12.60	117	157575	42.87	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	476767	47.67	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	77357	42.12	ug/l	99

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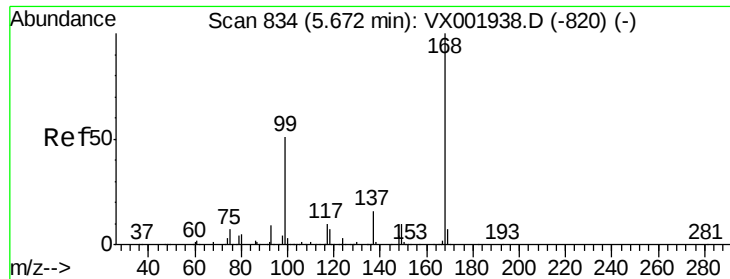
Manual Integrations
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5/30/2018 1:50:12 PM

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	338368	47.31	ug/l	99
94) Hexachlorobutadiene	13.79	225	176925	45.99	ug/l	99
95) Naphthalene	13.84	128	1031315	46.81	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	350817	47.41	ug/l	100

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



#1

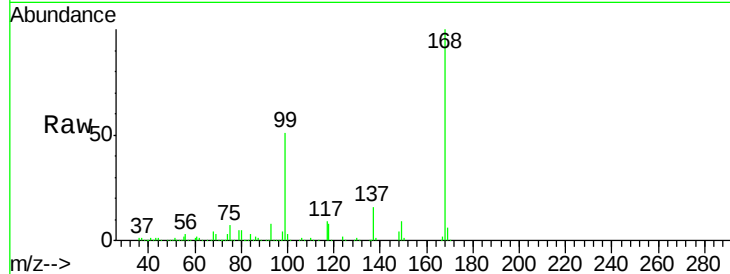
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: VX002039.D
 Acq: 27 May 2018 00:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

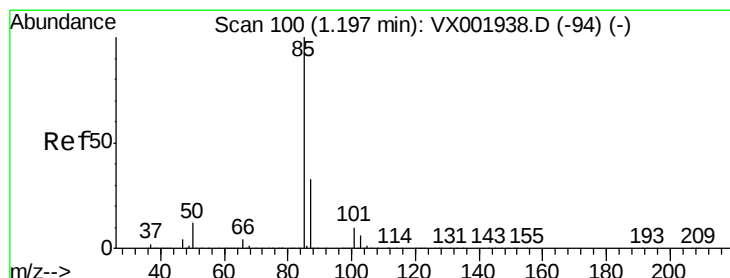
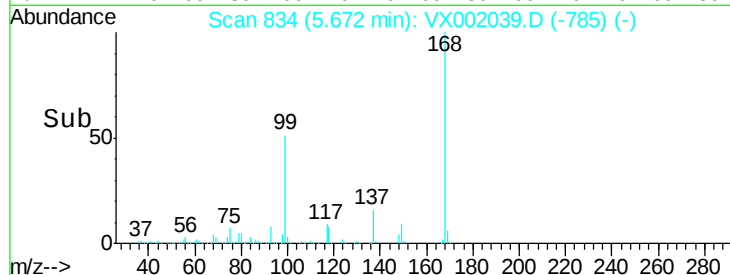
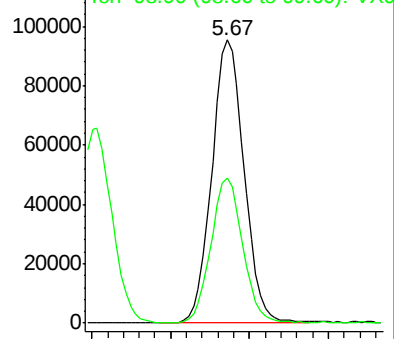
Tot Ion	Ratio	Lower	Upper
168	100		
99	51.0	41.0	61.4

Manual Integrations
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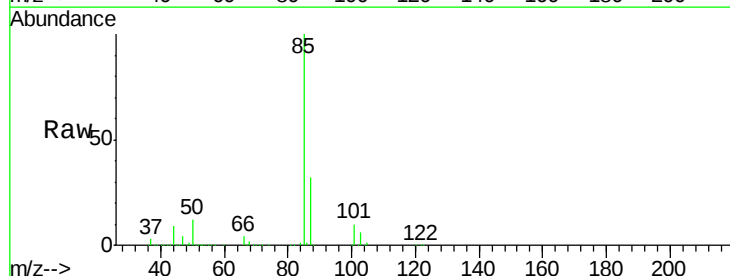
Abundance Ion 167.90 (167.60 to 168.60): V



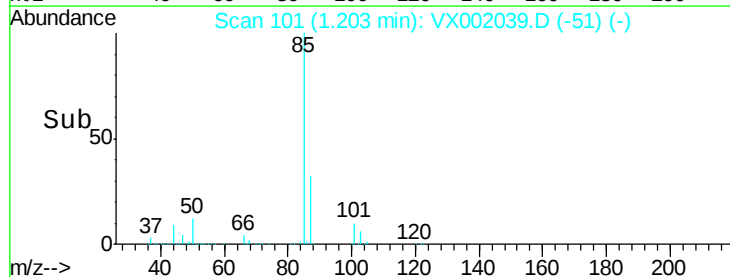
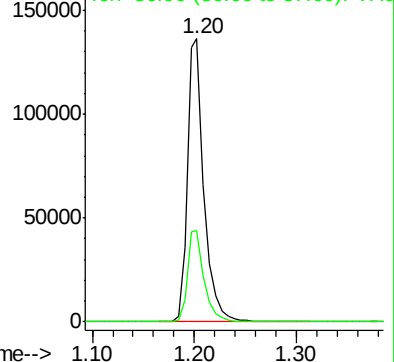
#2

Dichlorodifluoromethane
 Concen: 45.65 ug/l
 RT: 1.20 min Scan# 101
 Delta R.T. 0.01 min
 Lab File: VX002039.D
 Acq: 27 May 2018 00:46

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.7	50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0





#3

Chloromethane

Concen: 47.32 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 197695

Ion Ratio Lower Upper

50 100

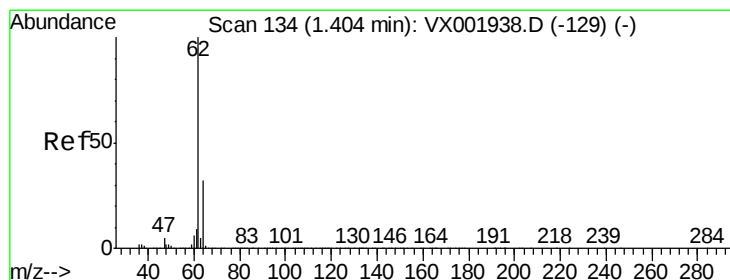
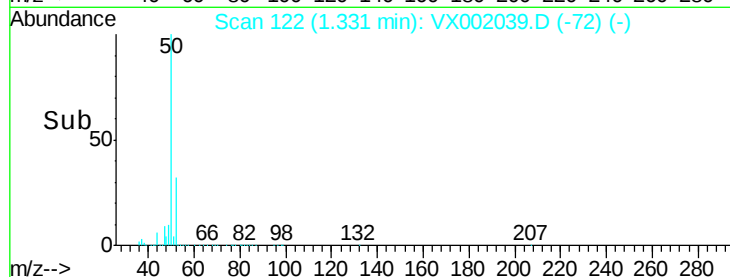
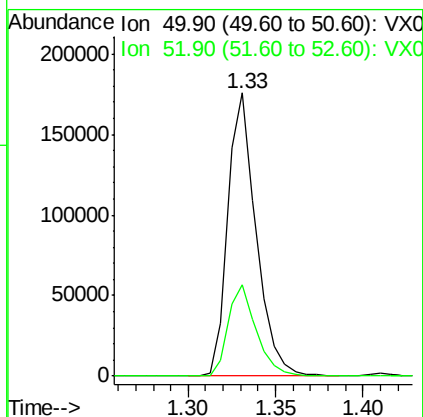
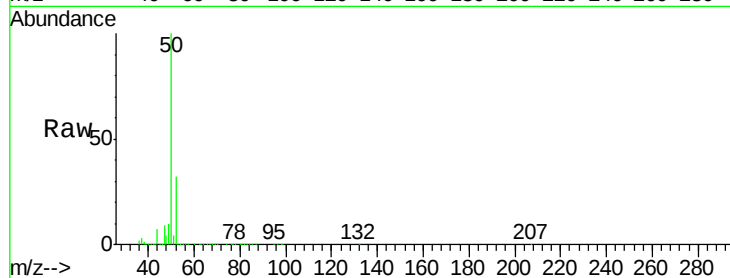
52 32.4 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.85 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002039.D

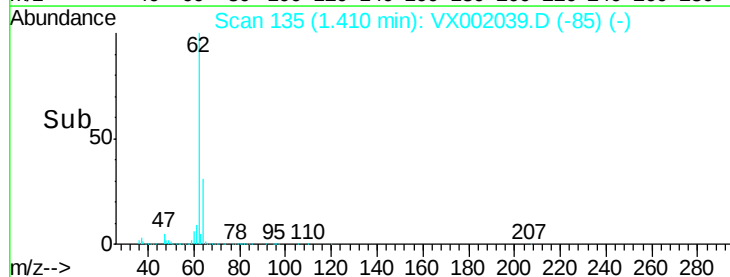
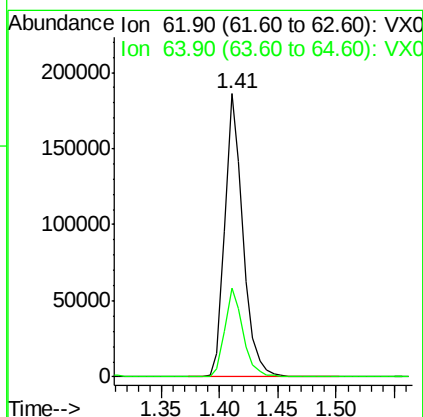
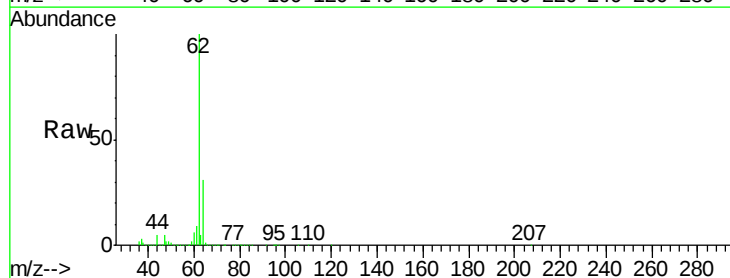
Acq: 27 May 2018 00:46

Tgt Ion: 62 Resp: 201102

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0





#5

Bromomethane

Concen: 59.17 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 109536

Ion Ratio Lower Upper

94 100

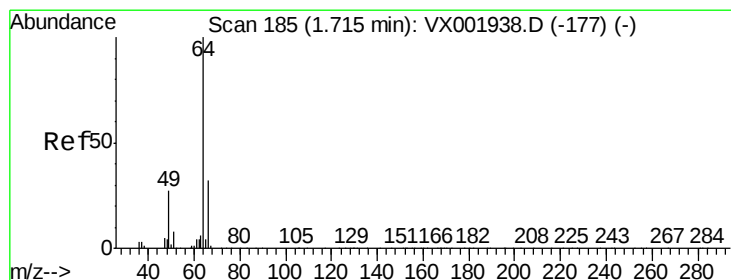
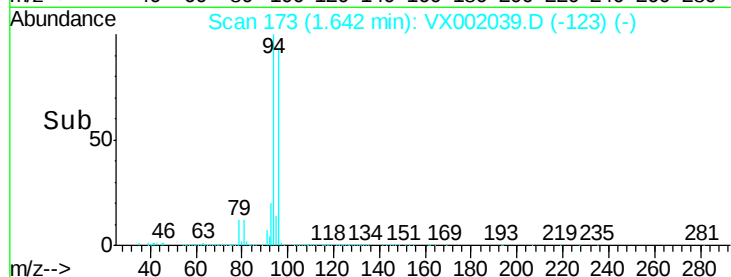
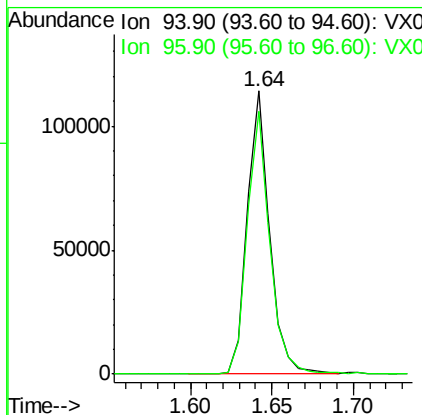
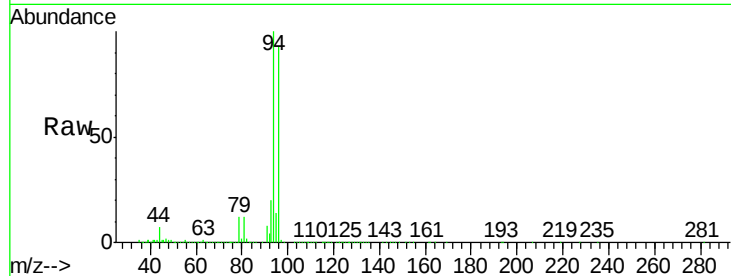
96 93.0 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 53.20 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX002039.D

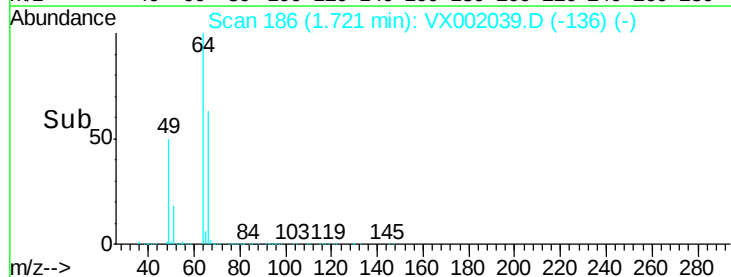
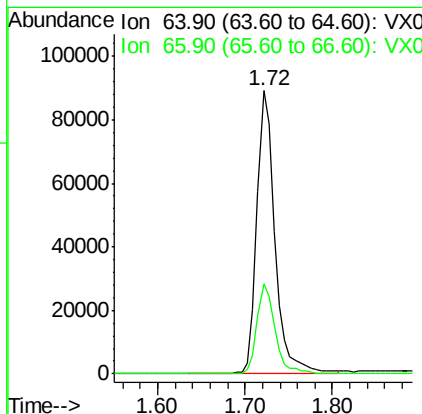
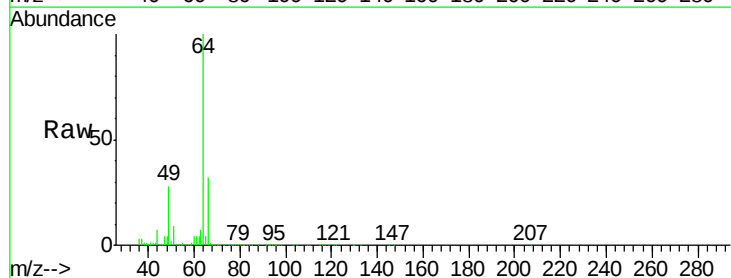
Acq: 27 May 2018 00:46

Tgt Ion: 64 Resp: 126514

Ion Ratio Lower Upper

64 100

66 31.6 25.6 38.4





#7

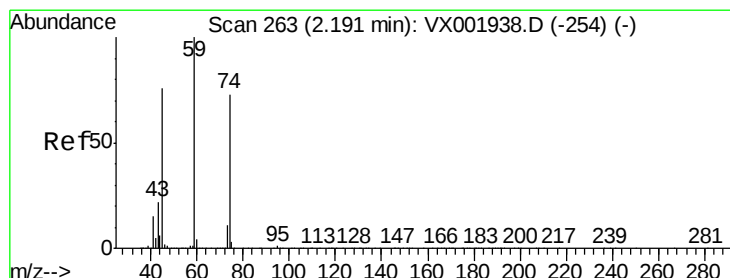
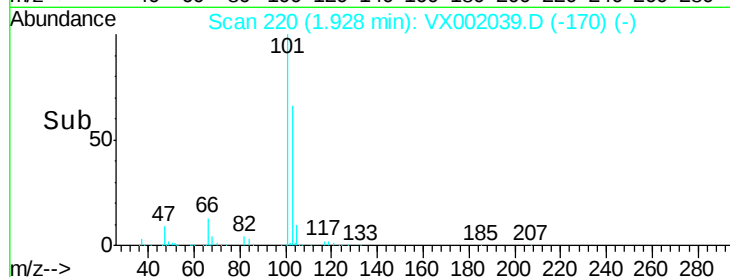
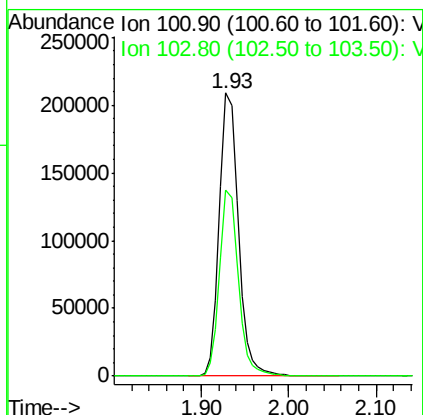
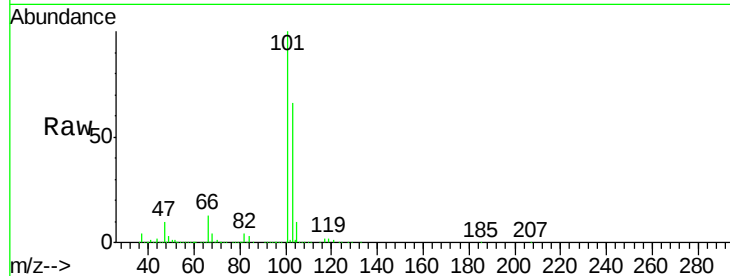
Trichlorofluoromethane
Concen: 52.36 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.4	77.0

Manual Integrations
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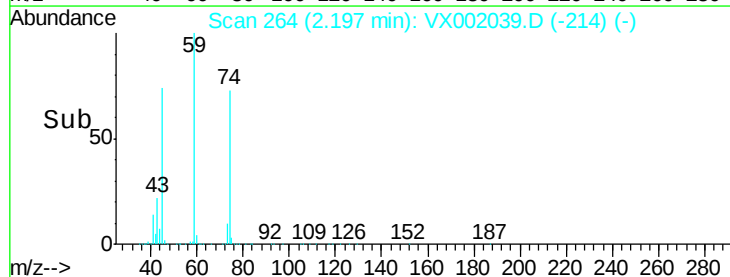
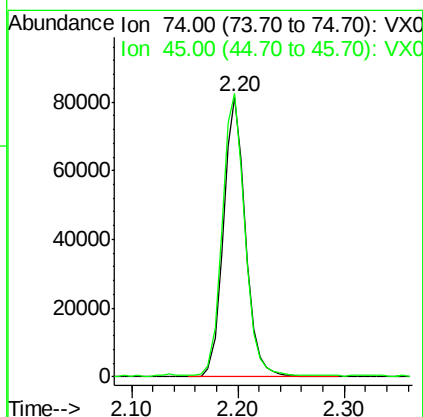
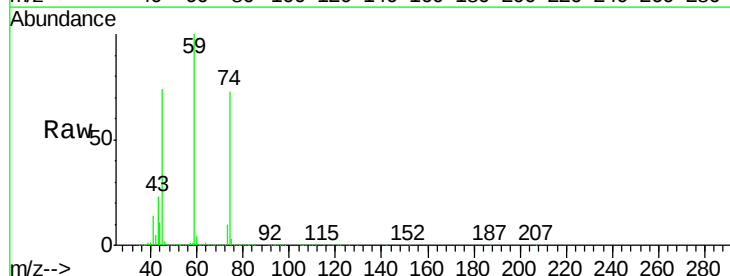
MMDadoda
5/30/2018 1:50:12 PM



#8

Diethyl Ether
Concen: 53.54 ug/l
RT: 2.20 min Scan# 264
Delta R.T. 0.01 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.9	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.98 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

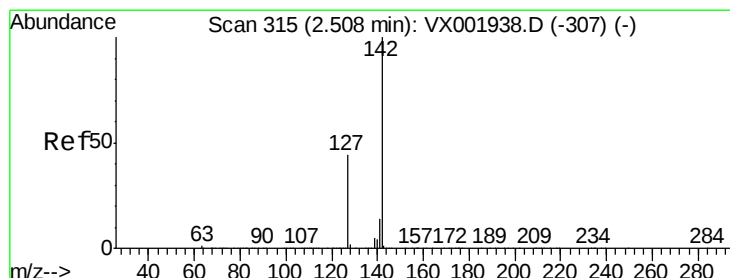
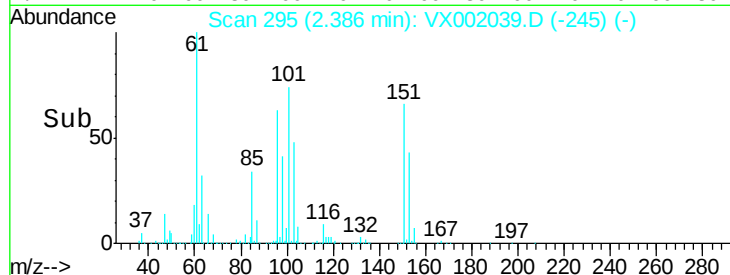
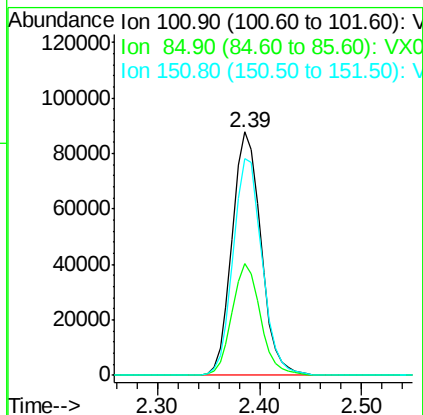
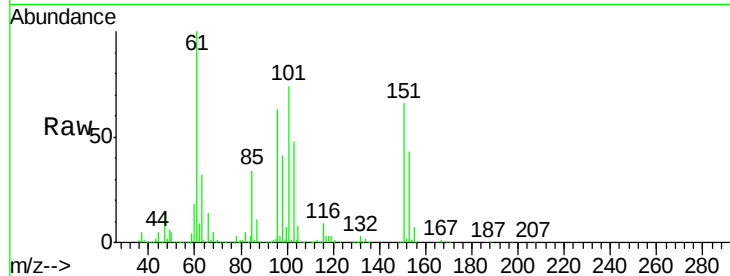
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	172324
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.6	53.4
151	89.2	73.2	109.8

Manual Integrations
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5/30/2018 1:50:12 PM



#10

Methyl Iodide

Concen: 50.08 ug/l

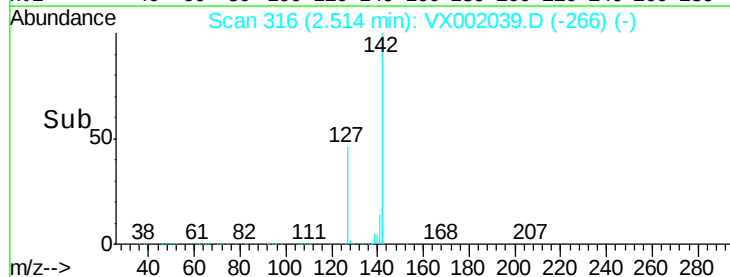
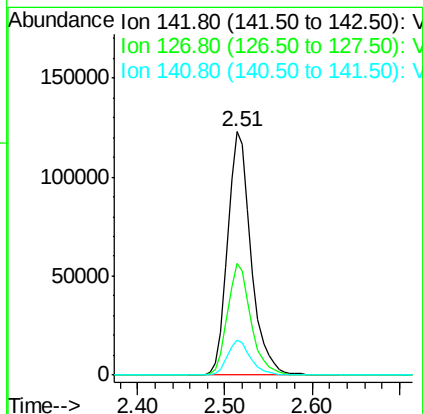
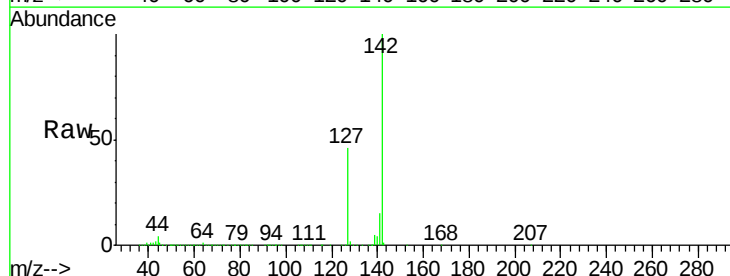
RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Tgt Ion:	142	Resp:	229071
Ion Ratio	Lower	Upper	
142	100		
127	45.6	35.5	53.3
141	14.3	11.3	16.9





#11

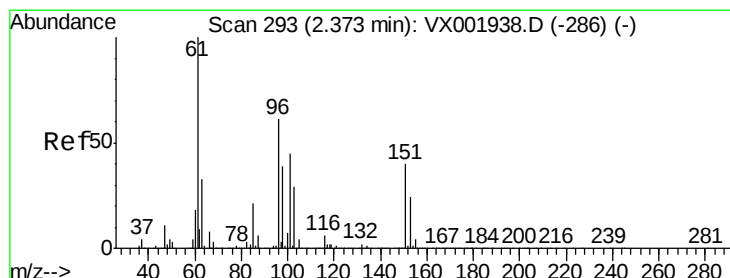
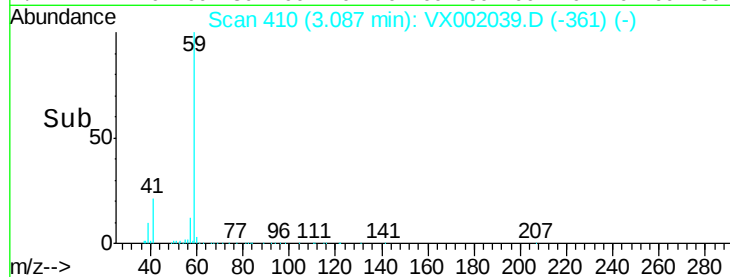
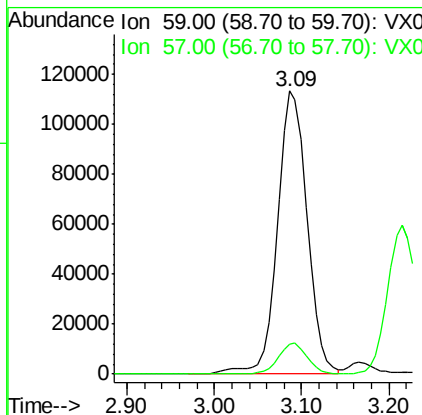
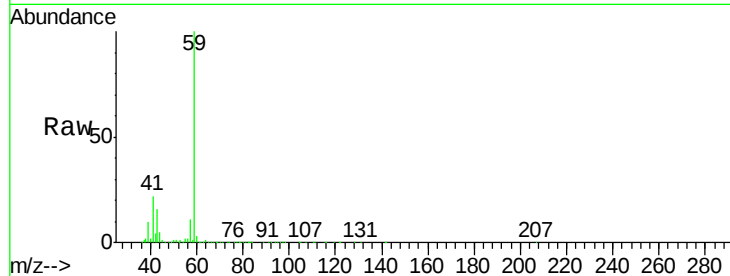
Tert butyl alcohol
Concen: 280.74 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.9	13.3

Manual Integrations
APPROVED

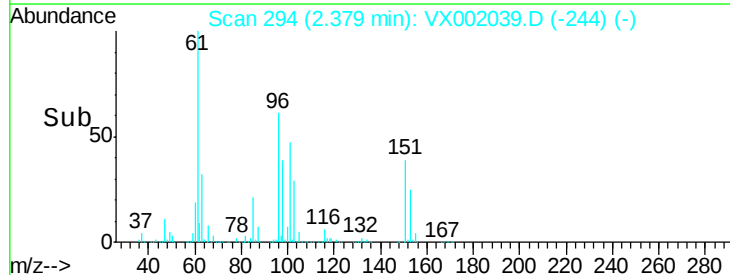
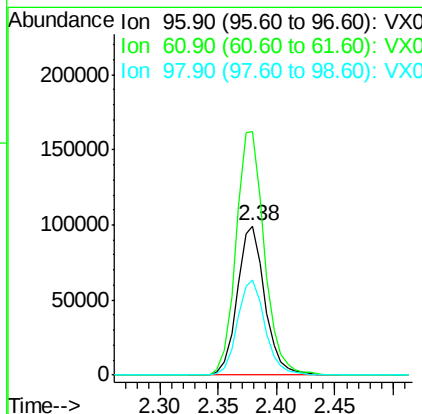
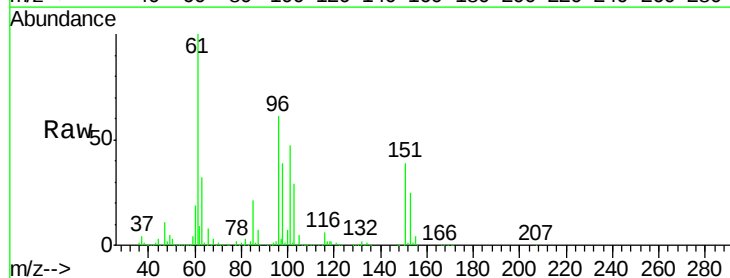
MMDadoda
5/30/2018 1:50:12 PM



#12

1,1-Dichloroethene
Concen: 51.64 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.3	131.7	197.5
98	63.6	51.6	77.4





#13

Acrolein

Concen: 179.23 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 73833

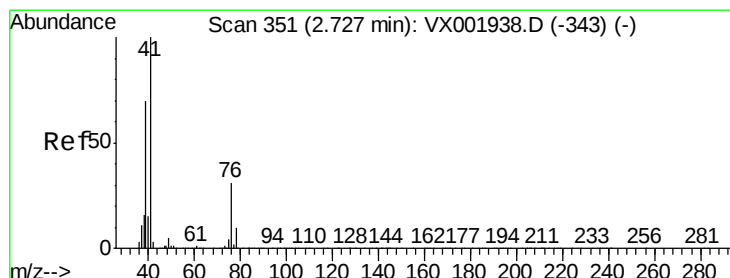
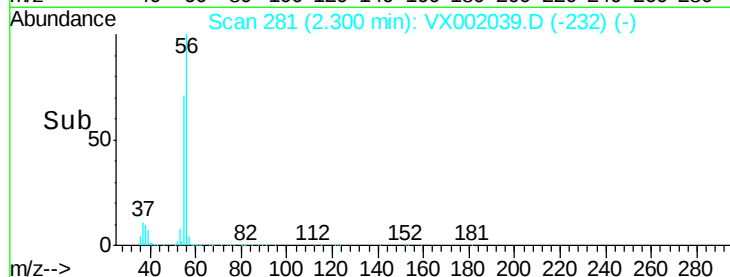
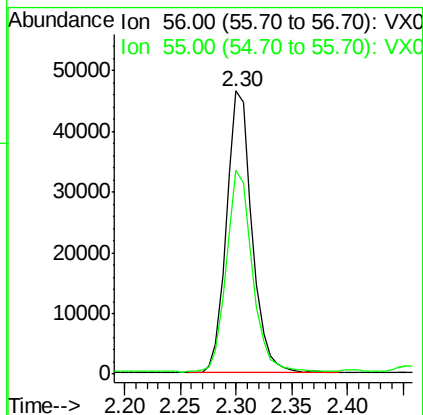
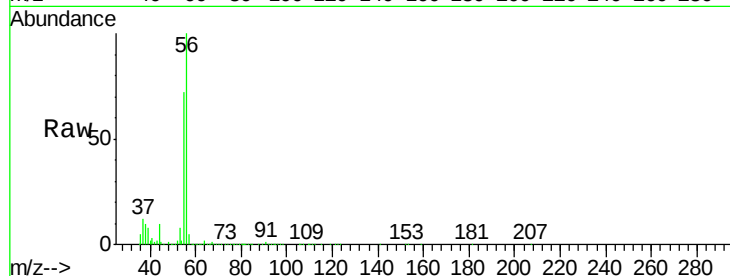
Ion Ratio Lower Upper

56 100

55 72.5 56.8 85.2

Manual Integrations
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5/30/2018 1:50:12 PM



#14

Allyl chloride

Concen: 51.07 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

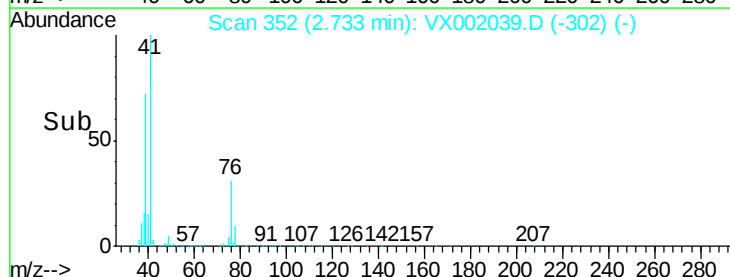
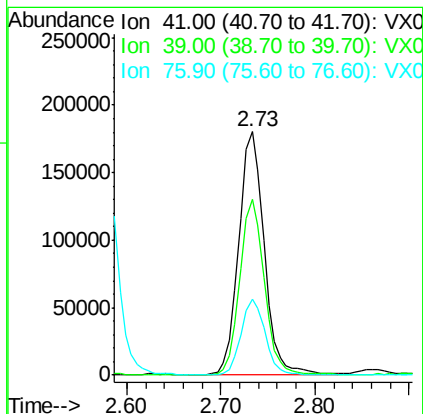
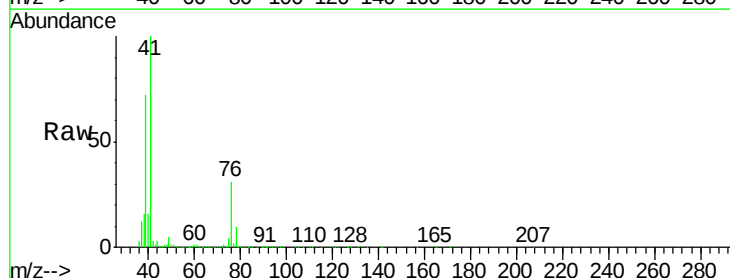
Tgt Ion: 41 Resp: 339303

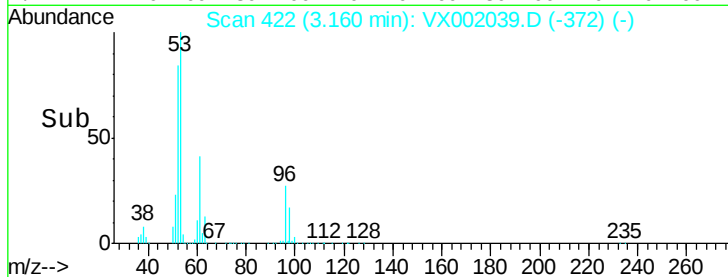
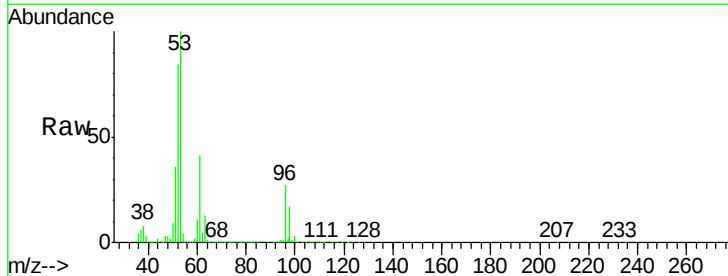
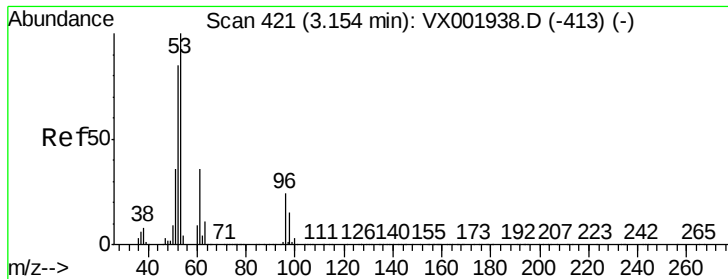
Ion Ratio Lower Upper

41 100

39 69.2 54.3 81.5

76 29.7 24.2 36.4





#15

Acrylonitrile

Concen: 263.42 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002039.D

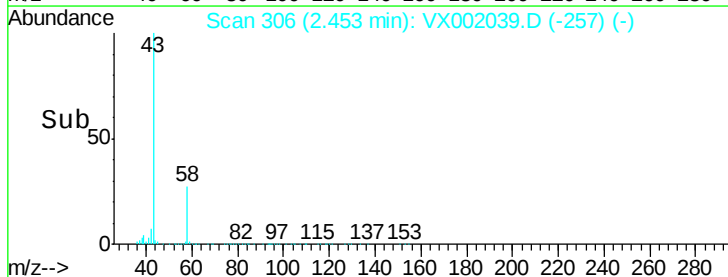
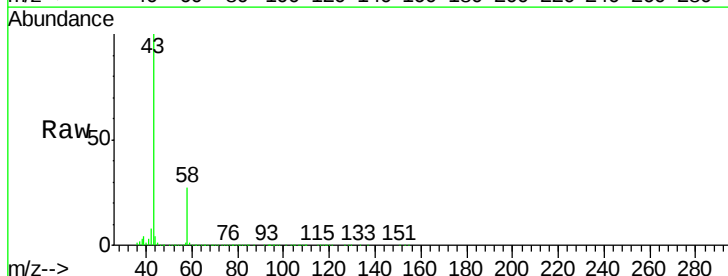
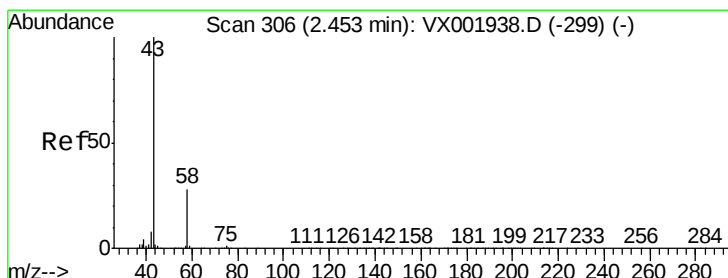
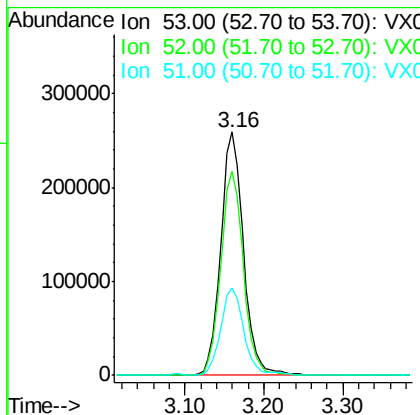
Acq: 27 May 2018 00:46

Tot Ion:	53	Resp:	516095
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.4	99.6
51	37.0	29.3	43.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 261.31 ug/l

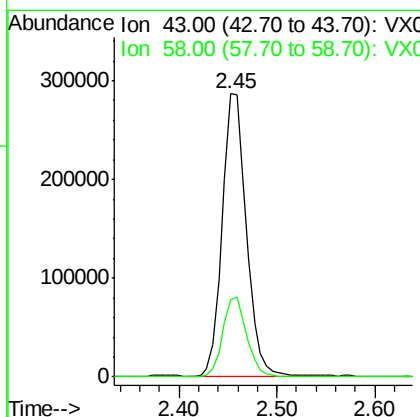
RT: 2.45 min Scan# 306

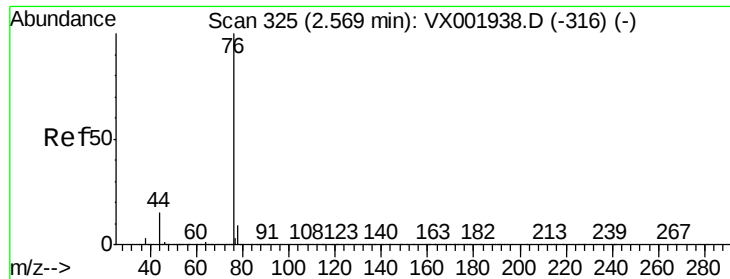
Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Tgt Ion:	43	Resp:	489478
Ion Ratio	Lower	Upper	
43	100		
58	27.4	22.3	33.5





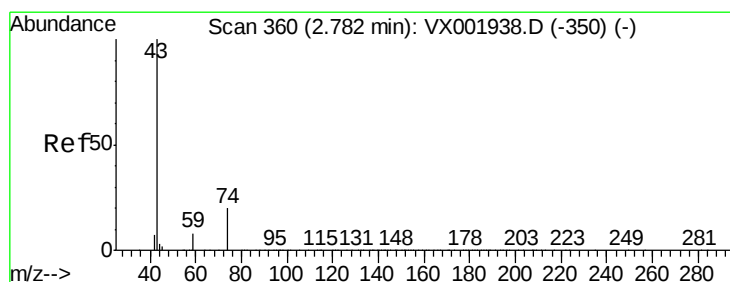
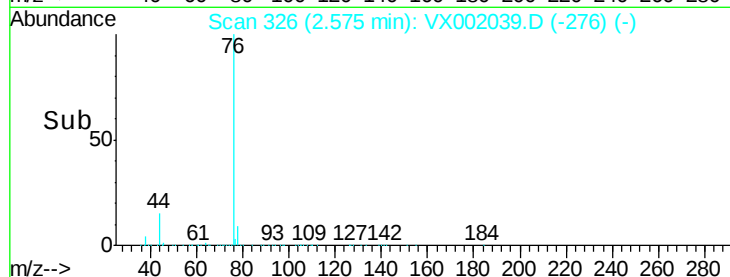
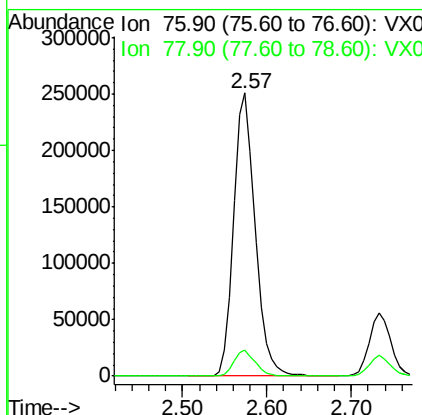
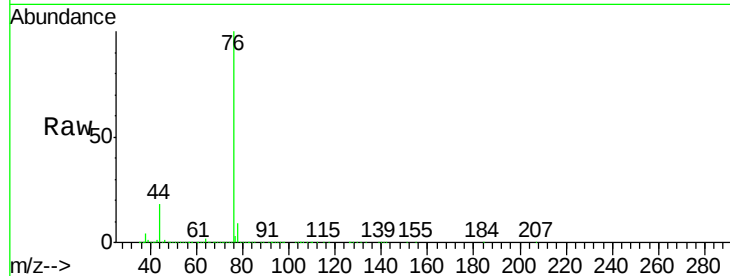
#17
Carbon Disulfide
Concen: 47.52 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

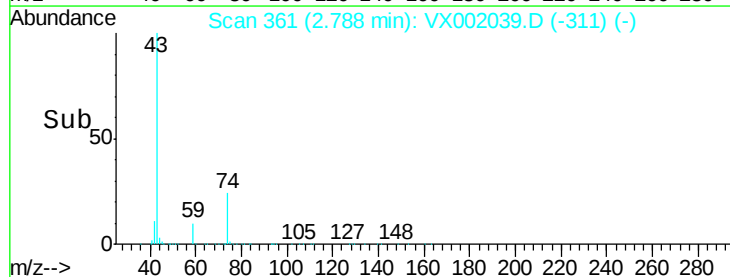
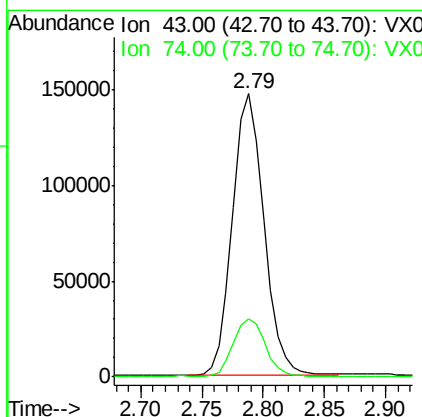
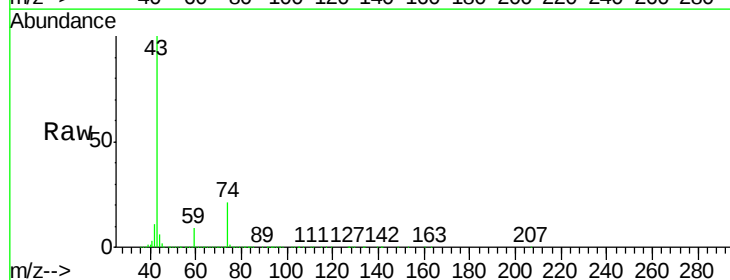
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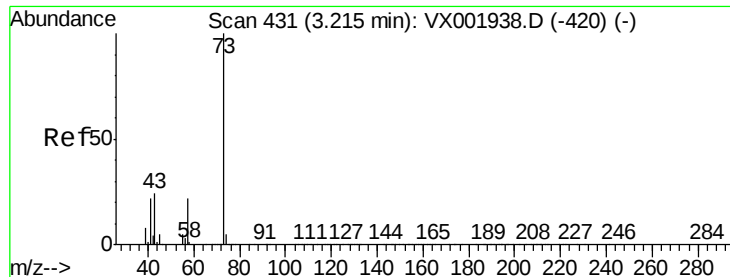
MMDadoda
5/30/2018 1:50:12 PM



#18
Methyl Acetate
Concen: 58.37 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	16.8	25.2





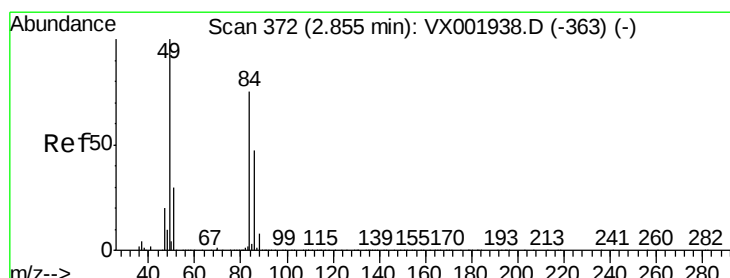
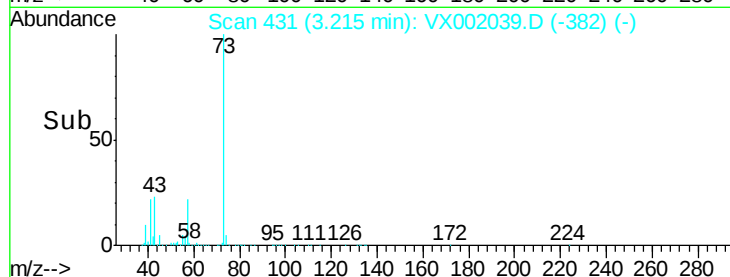
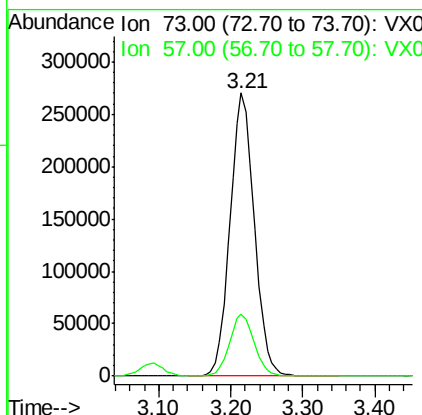
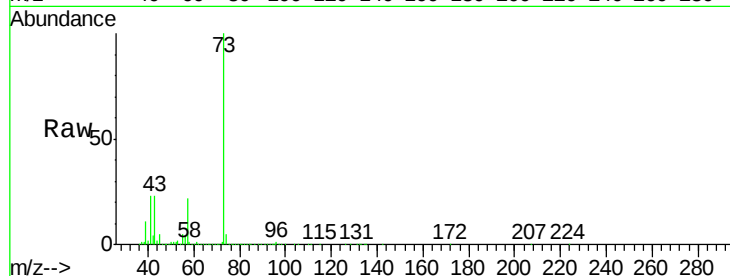
#19
Methvl tert-butvl Ether
Concen: 53.06 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.0

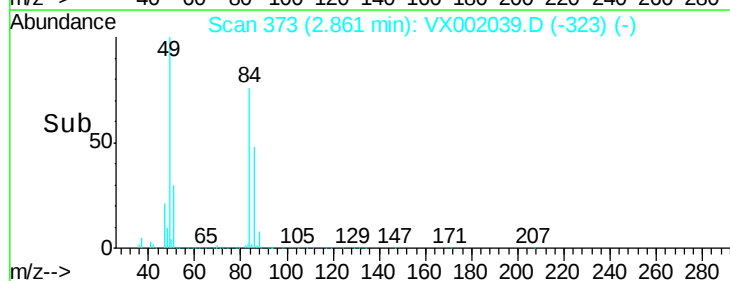
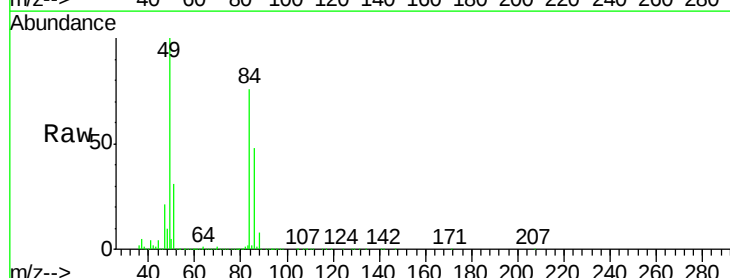
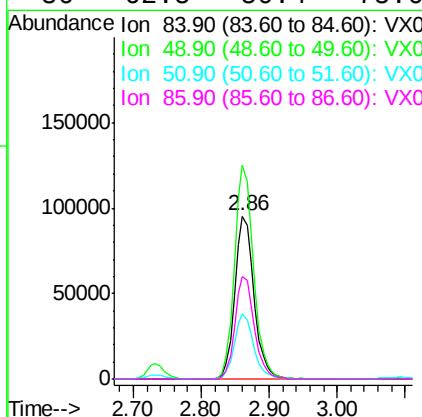
Manual Integrations
APPROVED

MMDadoda
5/30/2018 1:50:12 PM



#20
Methylene Chloride
Concen: 57.23 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.2	107.2	160.8
51	40.0	32.4	48.6
86	62.5	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 55.96 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

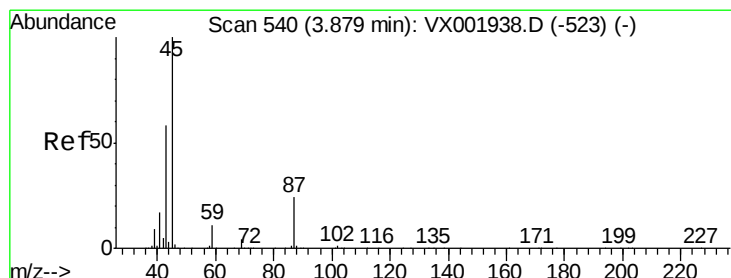
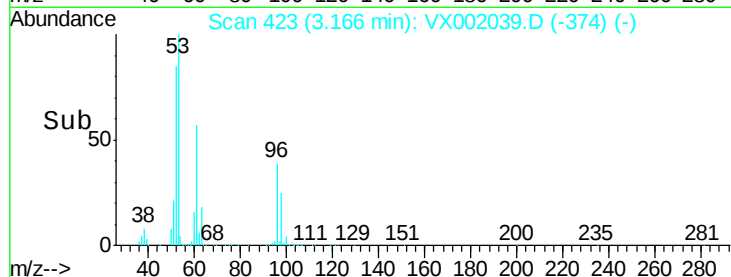
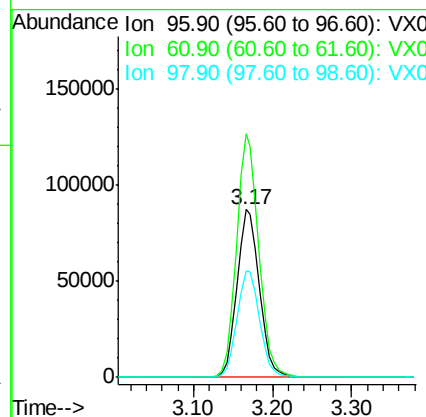
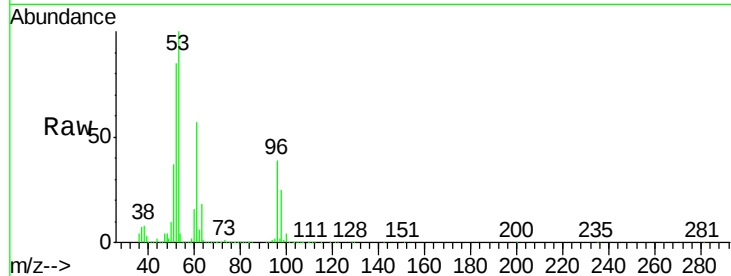
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	171850
Ion	Ratio	Lower	Upper
96	100		
61	145.0	113.3	169.9
98	63.6	51.7	77.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.83 ug/l

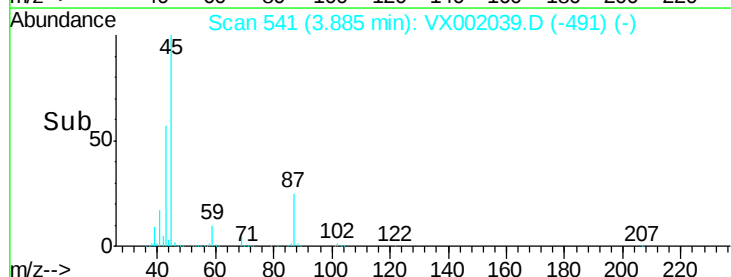
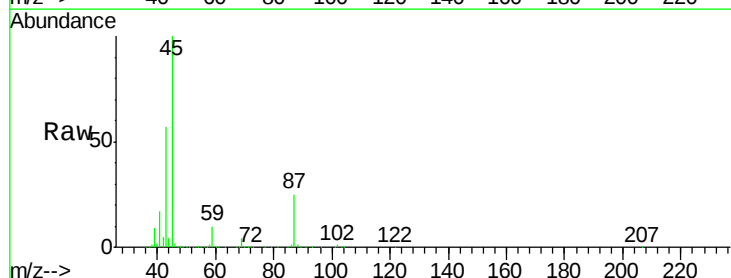
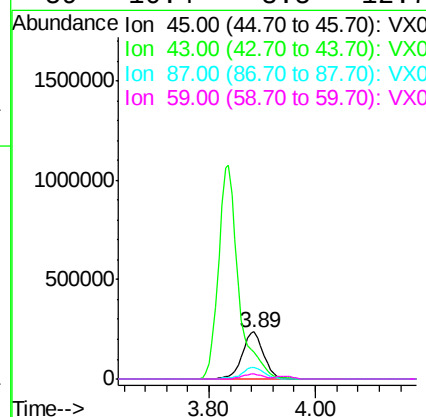
RT: 3.89 min Scan# 541

Delta R.T. 0.01 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Tgt Ion:	45	Resp:	659844
Ion	Ratio	Lower	Upper
45	100		
43	56.9	47.0	70.6
87	24.6	19.4	29.0
59	10.4	8.5	12.7





#23

Vinyl Acetate

Concen: 252.15 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.01 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2825182

Ion Ratio Lower Upper

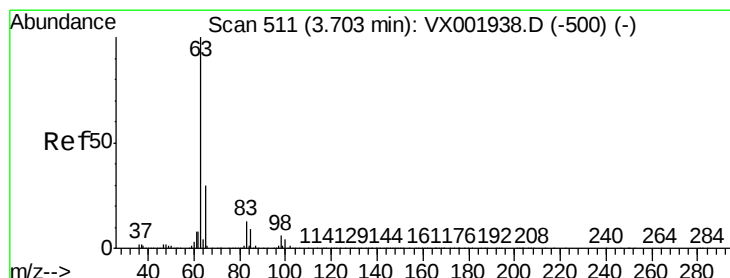
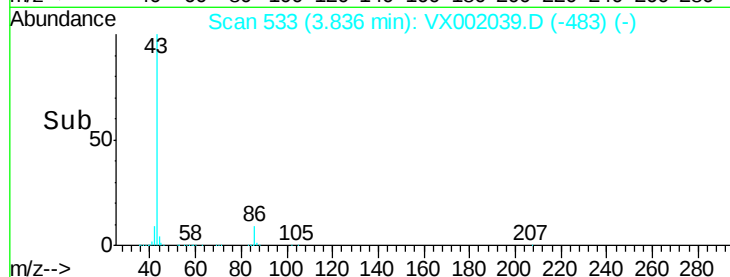
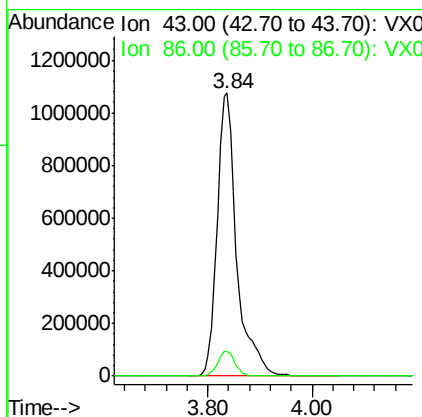
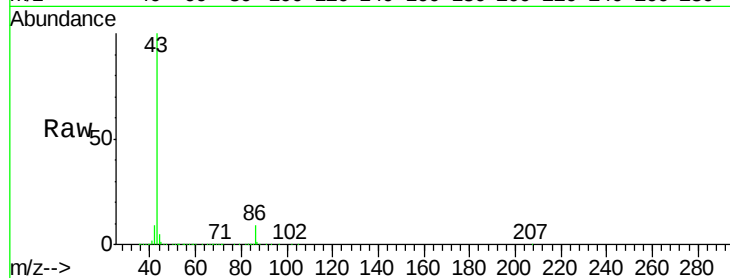
43 100

86 9.0 7.6 11.4

Manual Integrations
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5/30/2018 1:50:12 PM



#24

1,1-Dichloroethane

Concen: 50.59 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

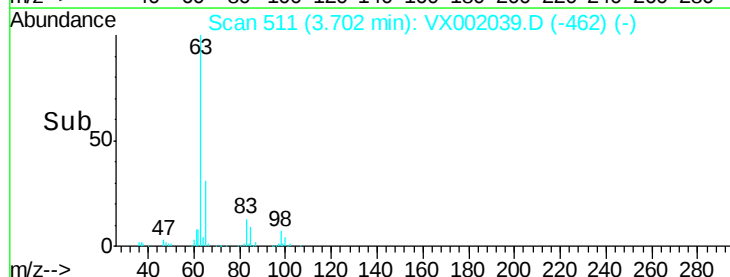
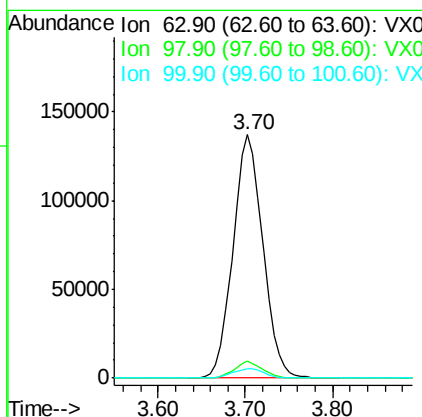
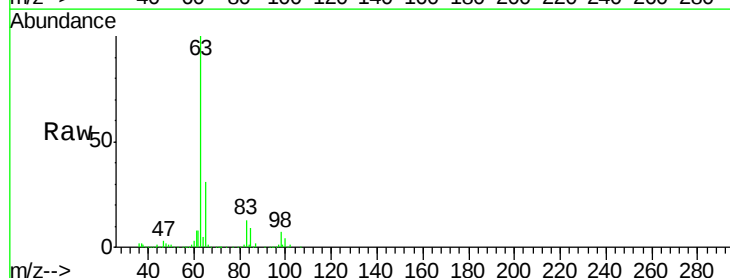
Tgt Ion: 63 Resp: 324773

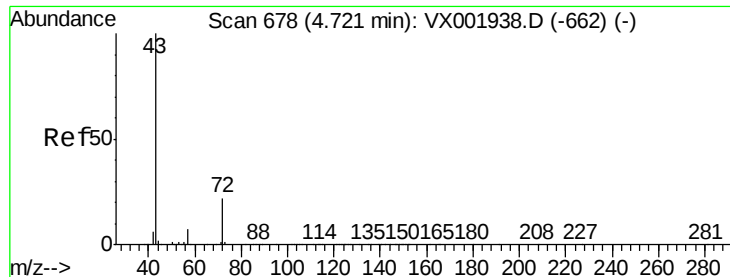
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 3.8 2.1 6.5





#25

2-Butanone

Concen: 226.25 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 776779

Ion Ratio Lower Upper

43 100

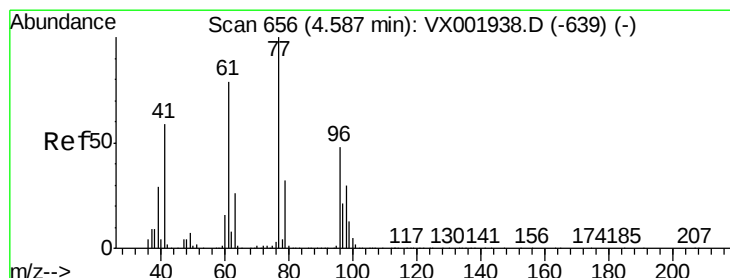
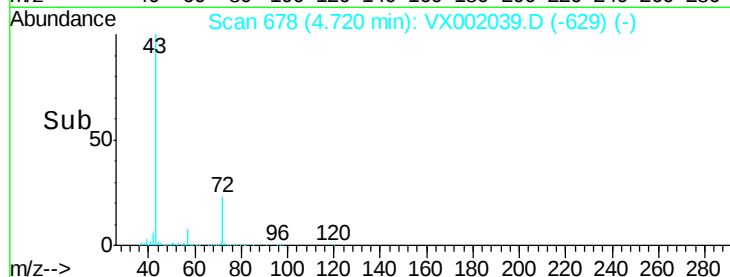
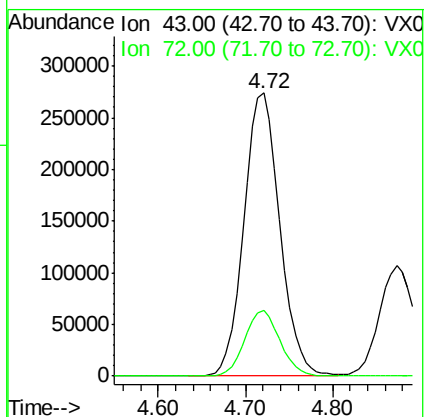
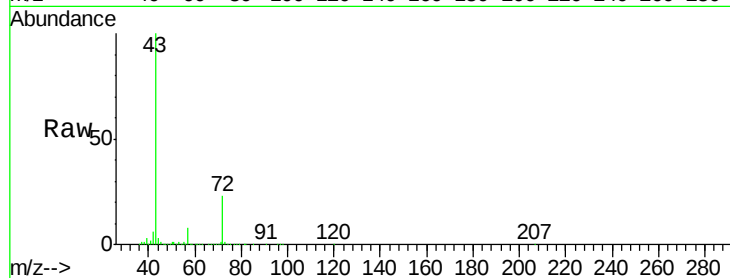
72 23.1 17.9 26.9

Manual Integrations

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5/30/2018 1:50:12 PM



#26

2,2-Dichloropropane

Concen: 31.42 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX002039.D

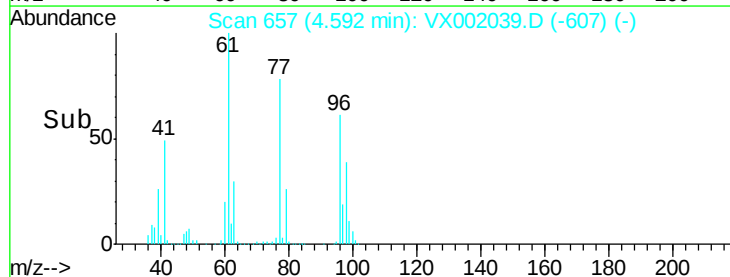
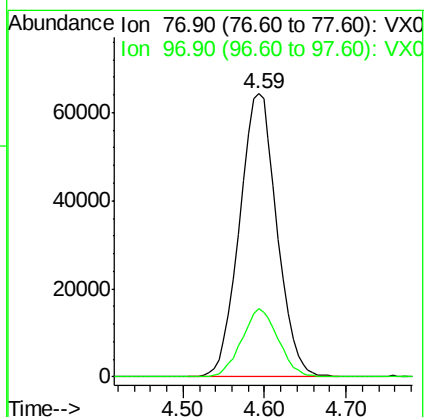
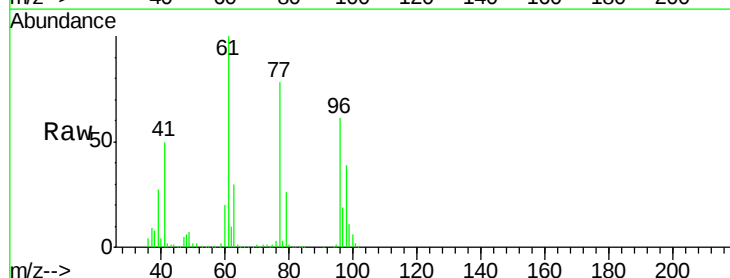
Acq: 27 May 2018 00:46

Tgt Ion: 77 Resp: 204179

Ion Ratio Lower Upper

77 100

97 23.7 11.2 33.5





#27

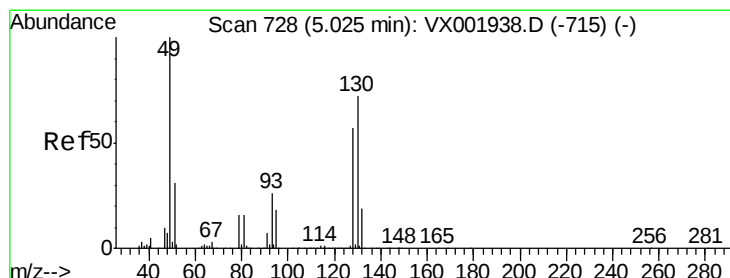
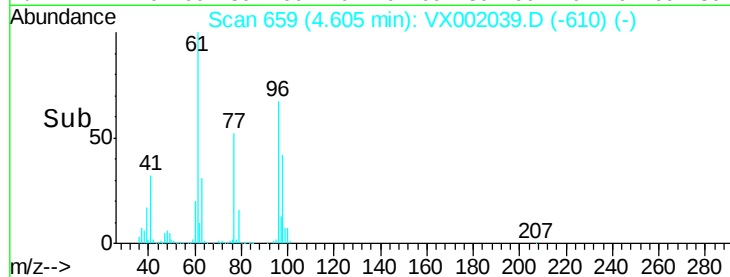
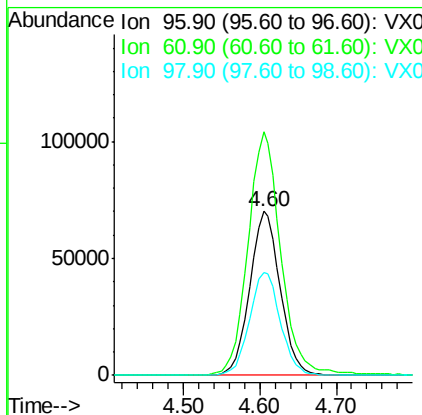
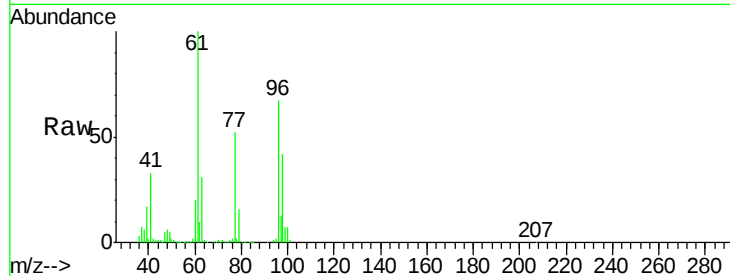
cis-1,2-Dichloroethene
Concen: 46.88 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	193485		
61	161.3	0.0	348.4	
98	63.9	0.0	128.6	

Manual Integrations
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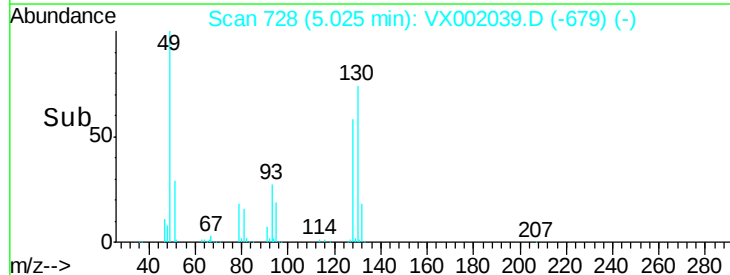
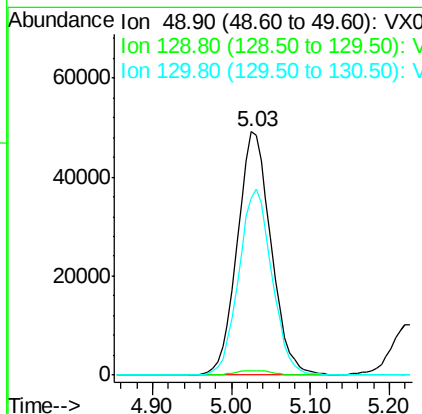
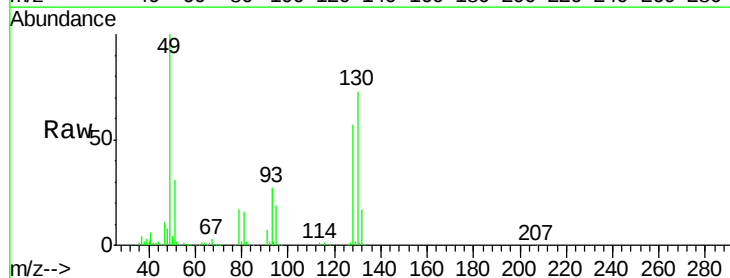
MMDadoda
5/30/2018 1:50:12 PM



#28

Bromochloromethane
Concen: 54.43 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	146317		
129	2.0	0.0	3.8	
130	74.9	59.4	89.2	





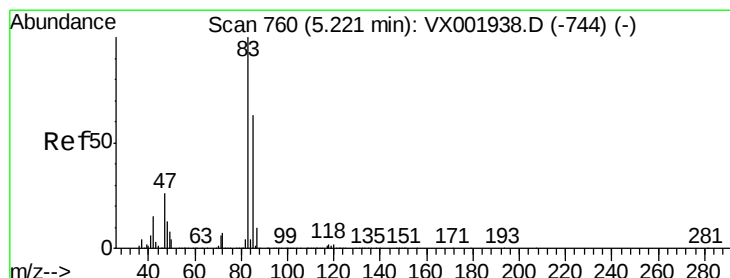
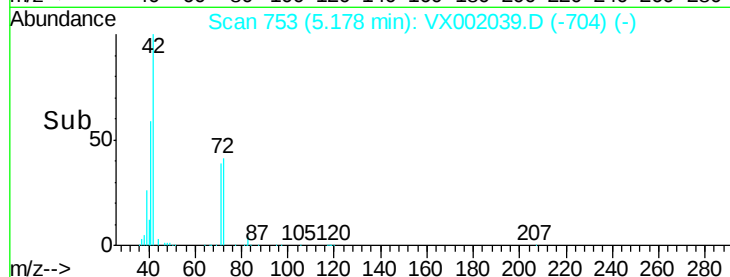
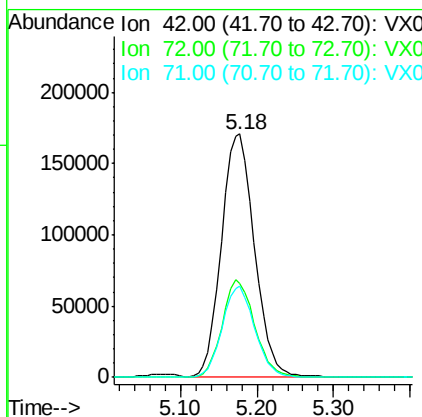
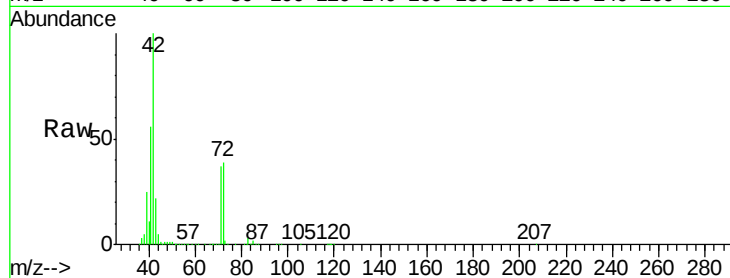
#29
Tetrahydrofuran
Concen: 227.66 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
42	100			
72	39.6	31.4	47.0	
71	37.1	29.5	44.3	

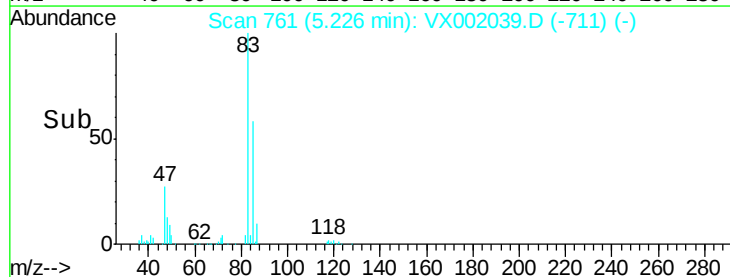
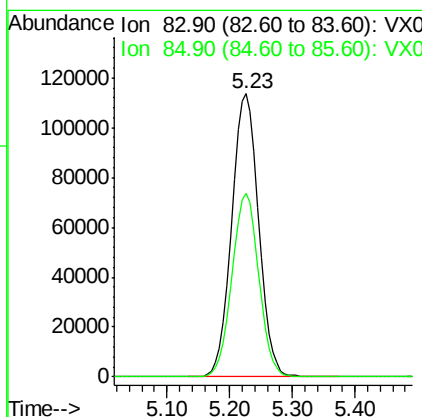
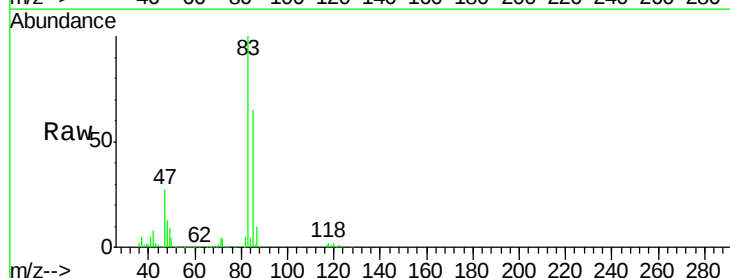
Manual Integrations
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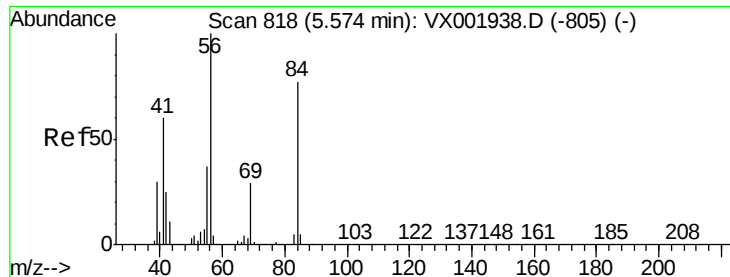
MMDadoda
5/30/2018 1:50:12 PM



#30
Chloroform
Concen: 46.69 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
85	64.9	50.9	76.3	





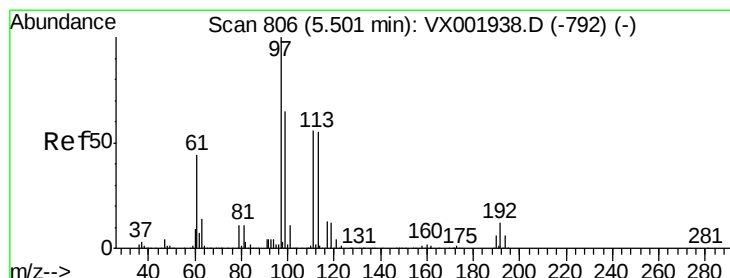
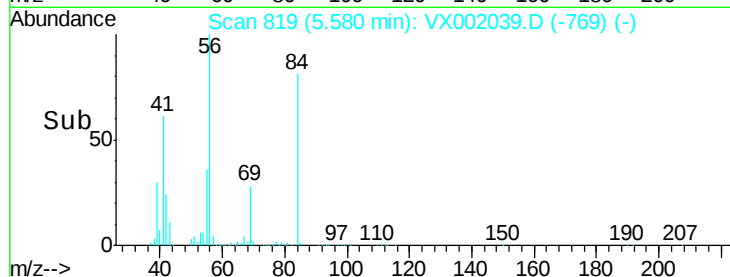
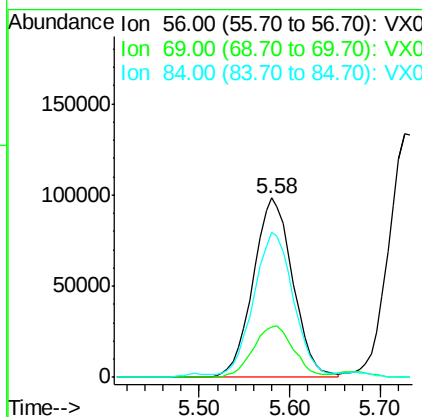
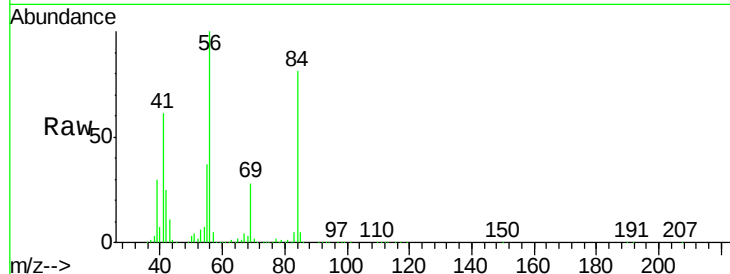
#31
Cyclohexane
Concen: 44.41 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.1	34.7
84	79.5	62.0	93.0

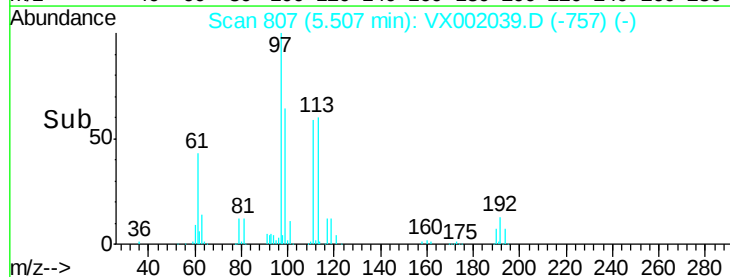
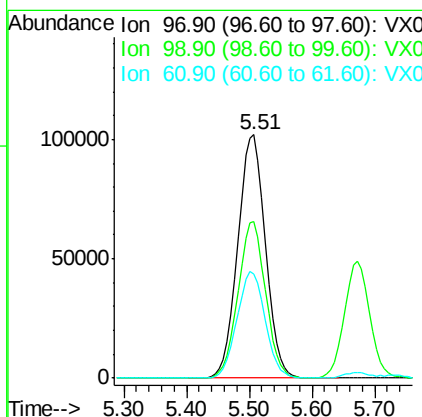
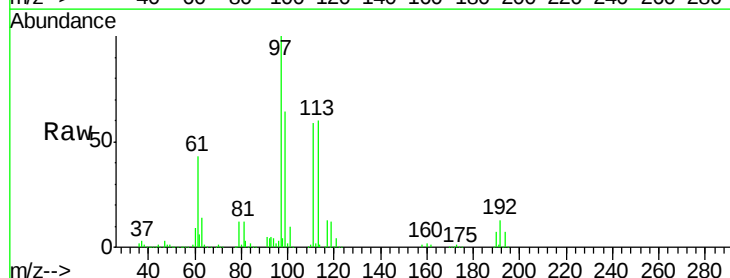
Manual Integrations
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5/30/2018 1:50:12 PM



#32
1,1,1-Trichloroethane
Concen: 46.23 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.9	77.9
61	44.7	35.9	53.9





#33

1,2-Dichloroethane-d4

Concen: 44.96 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 218236

Ion Ratio Lower Upper

65 100

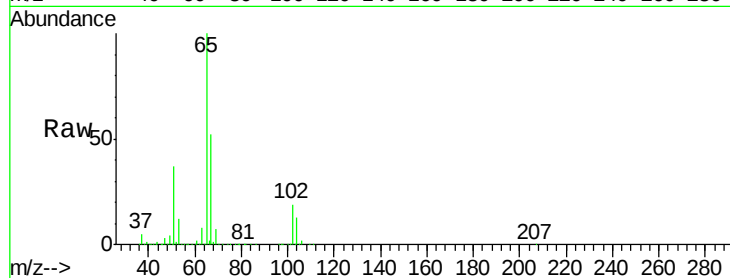
67 52.5 0.0 104.0

Manual Integrations

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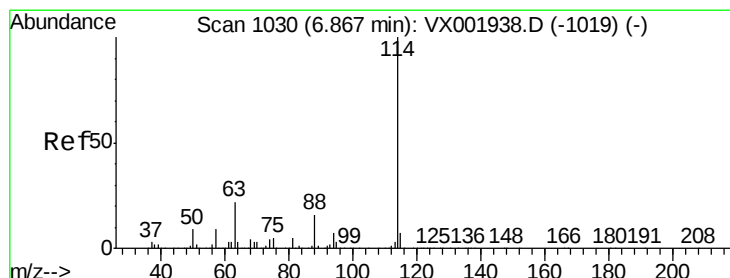
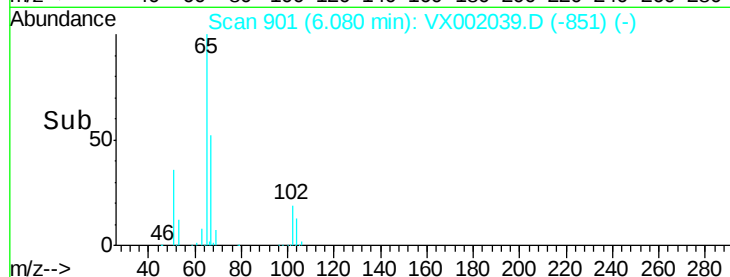
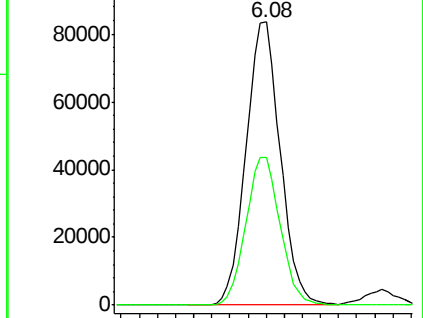
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

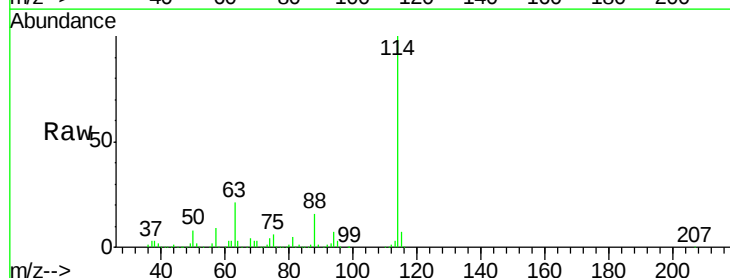
Tgt Ion: 114 Resp: 385165

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

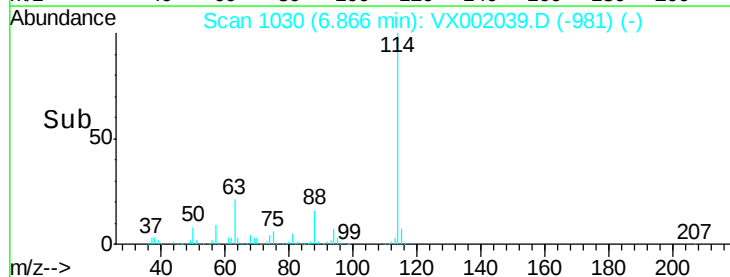
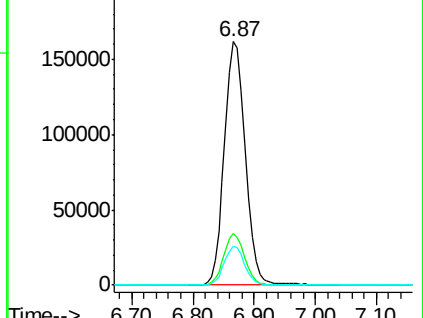
88 15.7 0.0 31.6

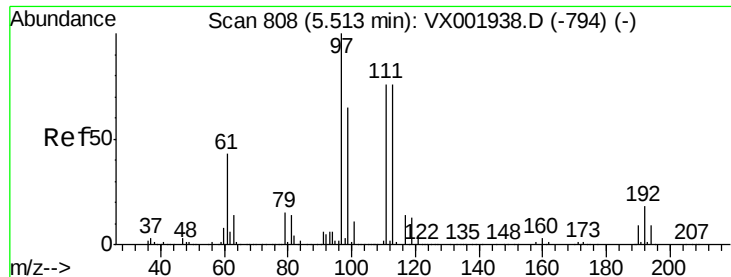


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.11 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

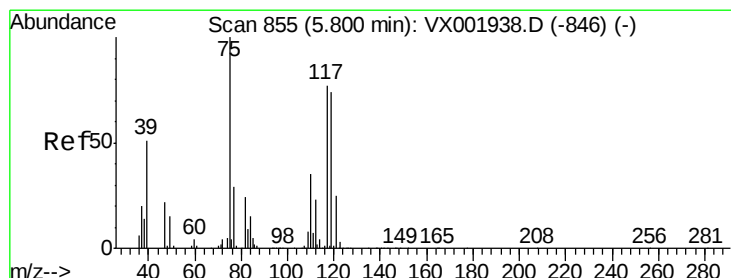
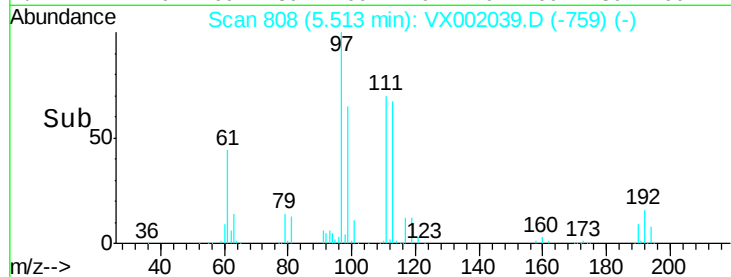
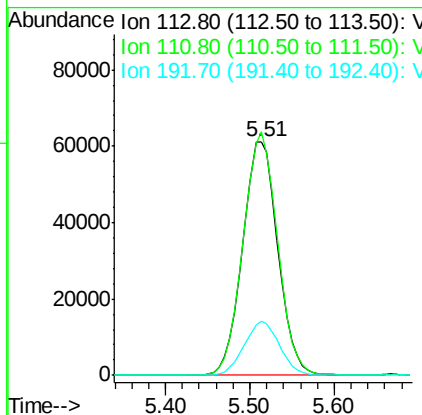
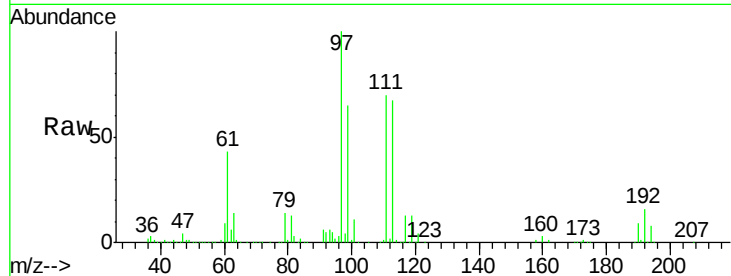
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	173730
Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.0	123.0
192	23.1	18.9	28.3

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#36

1,1-Dichloropropene

Concen: 44.95 ug/l

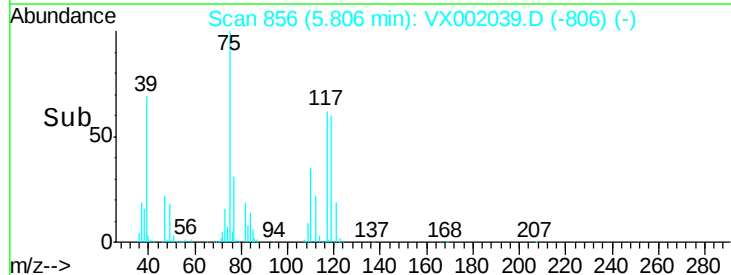
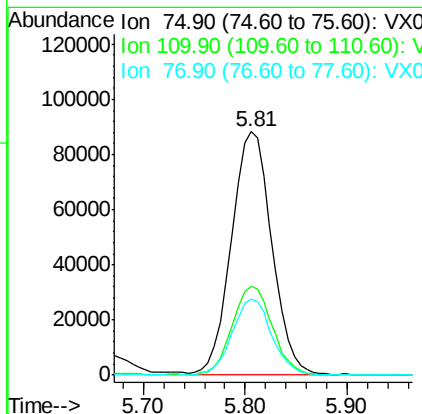
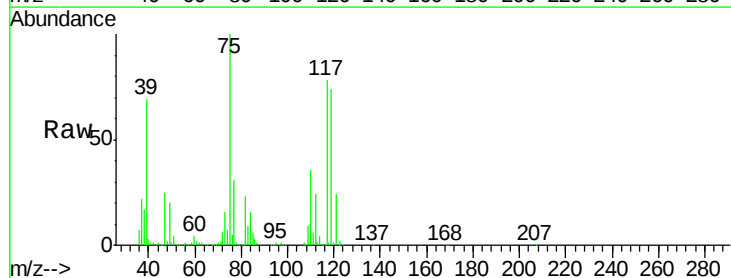
RT: 5.81 min Scan# 855

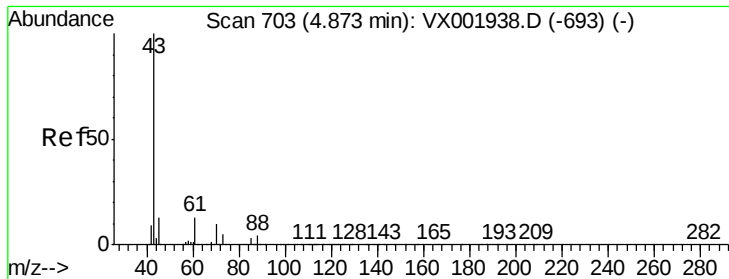
Delta R.T. 0.01 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Tgt Ion:	75	Resp:	240840
Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.4	52.2
77	30.6	24.4	36.6





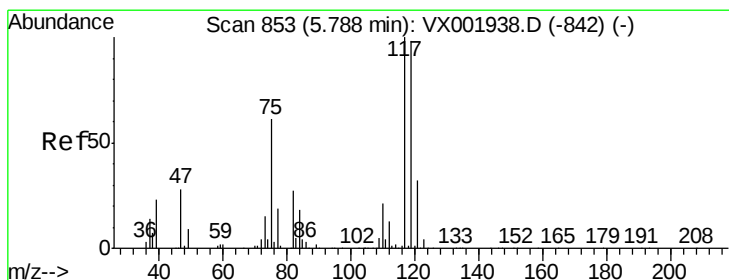
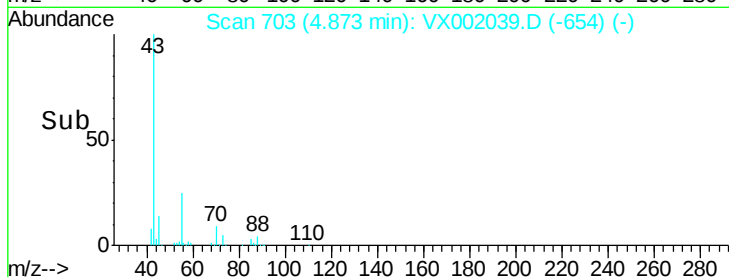
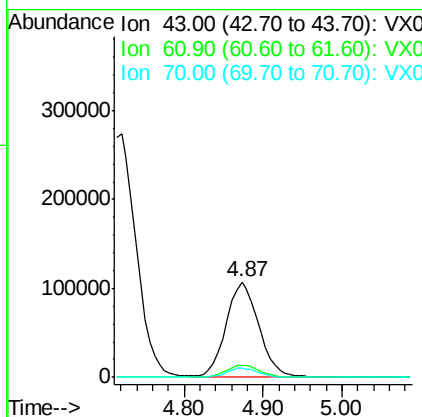
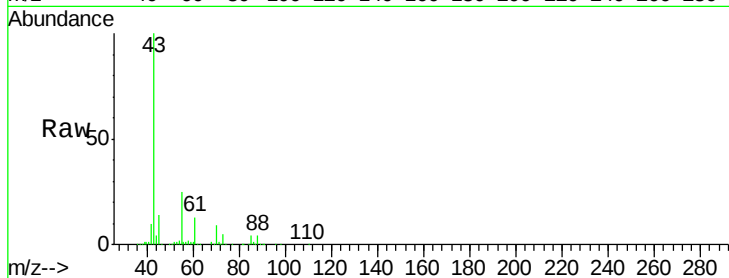
#37
Ethyl Acetate
Concen: 44.01 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.2	15.2
70	9.6	7.8	11.8

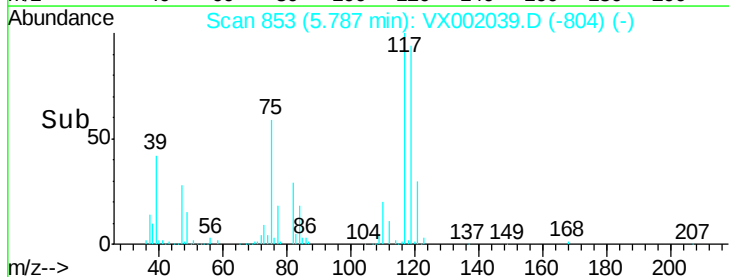
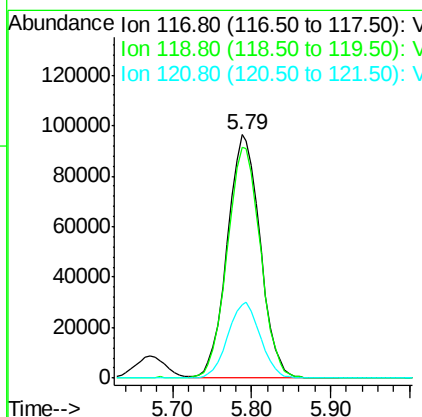
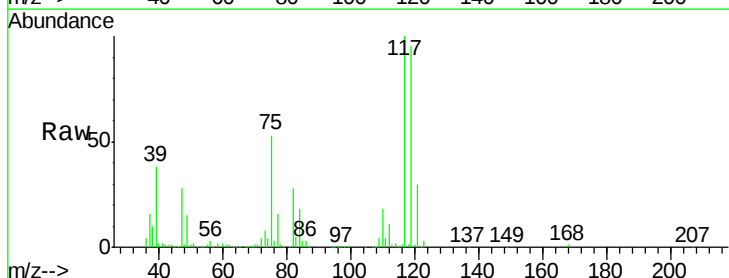
Manual Integrations
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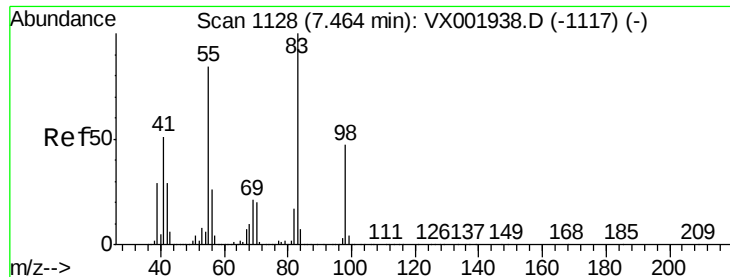
MMDadoda
5/30/2018 1:50:12 PM



#38
Carbon Tetrachloride
Concen: 44.61 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	78.5	117.7
121	30.0	25.5	38.3





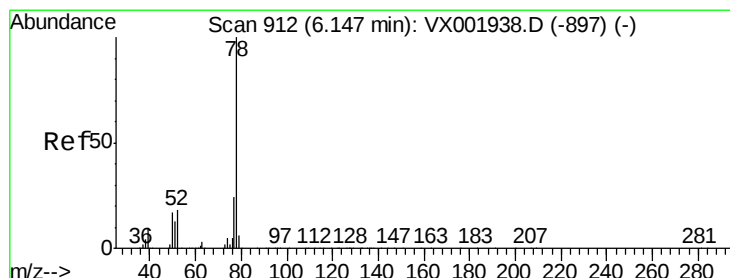
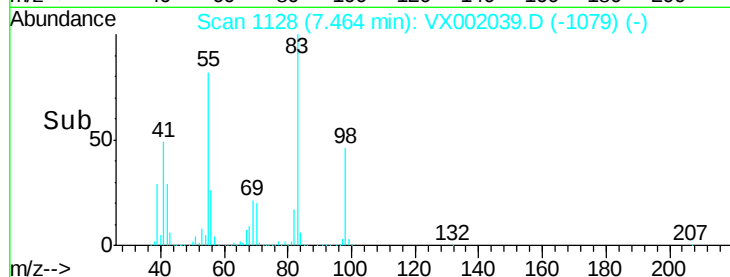
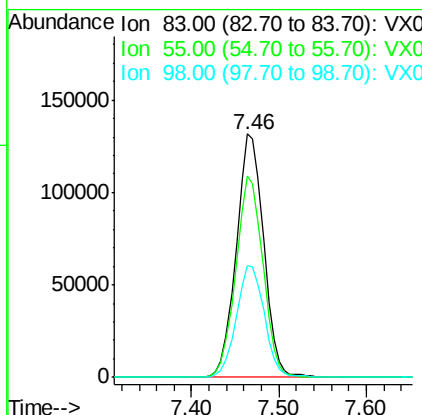
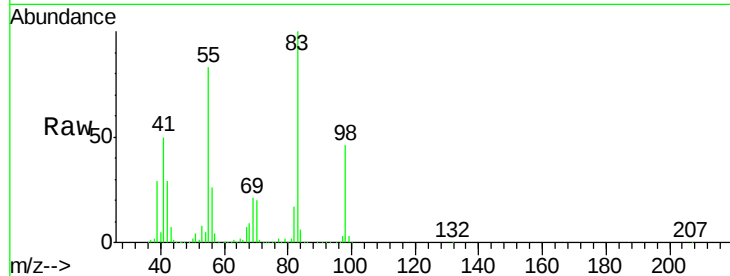
#39
Methvlcvclohexane
Concen: 43.52 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.5	67.3	100.9
98	45.8	37.5	56.3

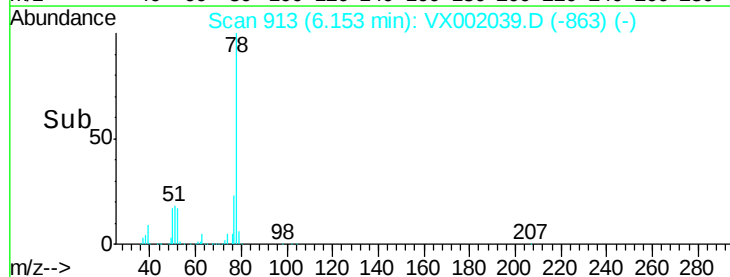
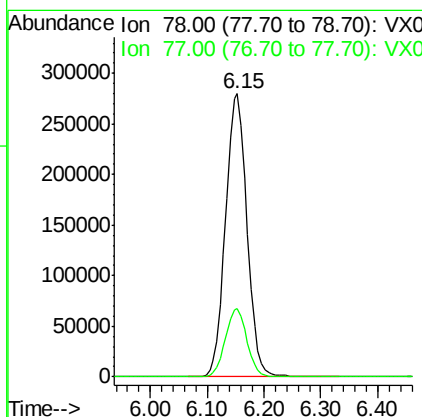
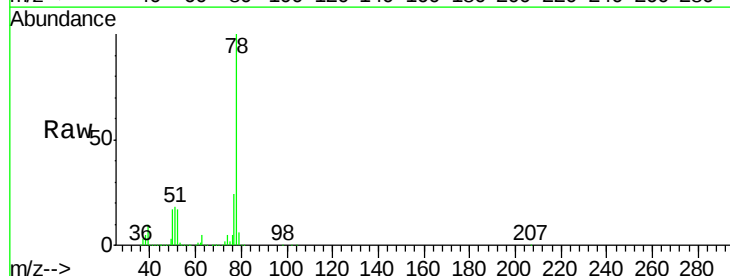
Manual Integrations
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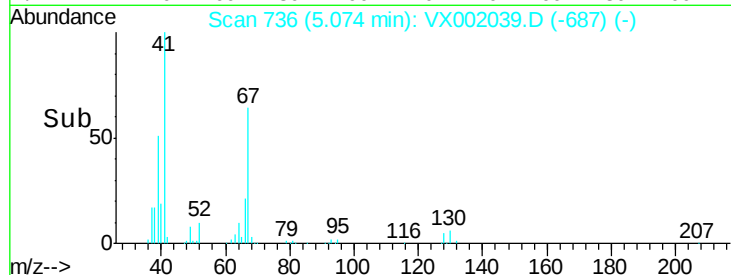
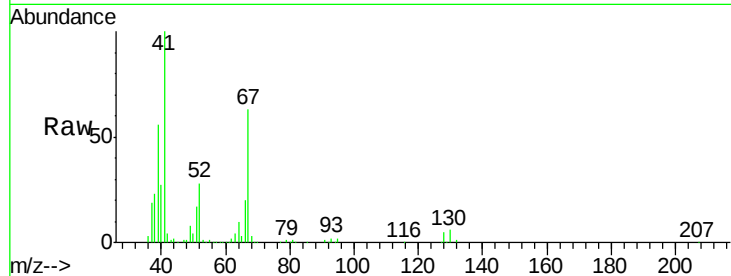
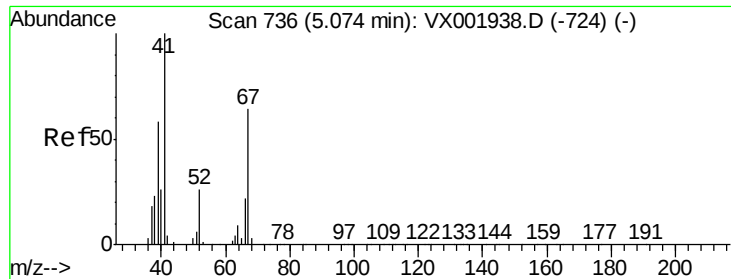
MMDadoda
5/30/2018 1:50:12 PM



#40
Benzene
Concen: 46.84 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

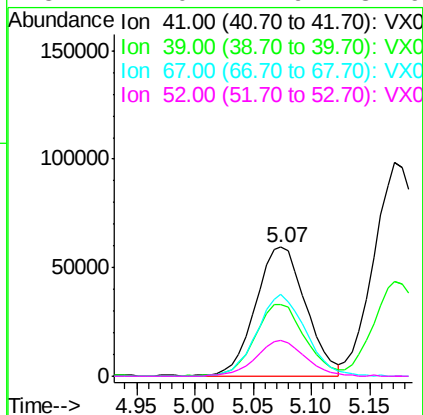
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.1	28.7





#41
Methacrylonitrile
Concen: 48.04 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

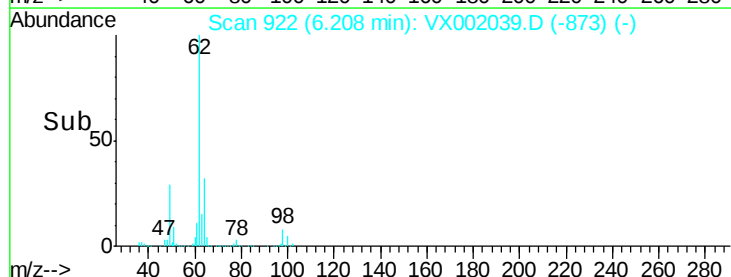
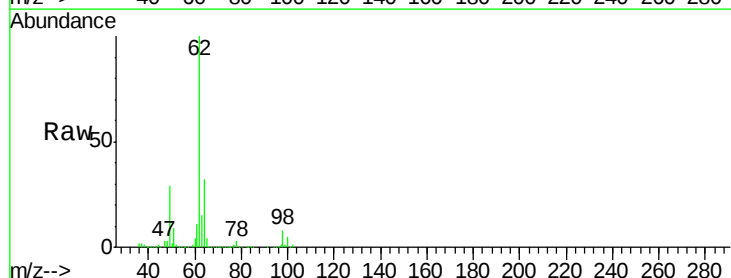
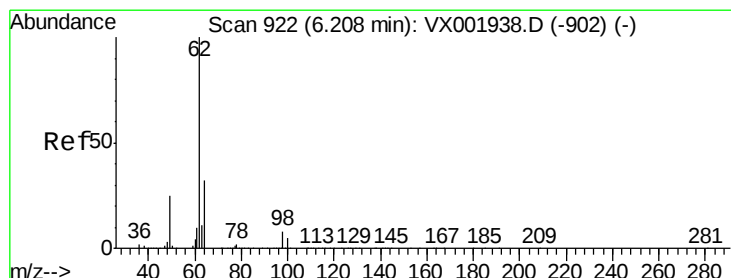
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		177279		
39	55.0	46.0	69.0		
67	61.8	50.6	75.8		
52	27.0	21.9	32.9		



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

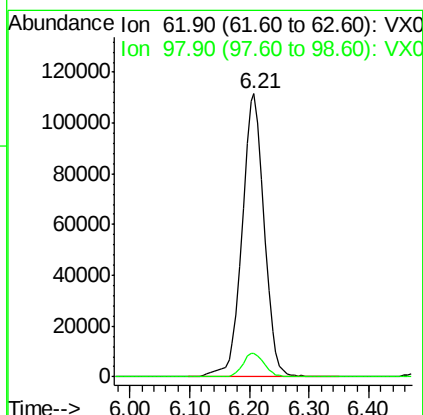
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 45.80 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		287160		
98	8.4	0.0	17.0		





#43

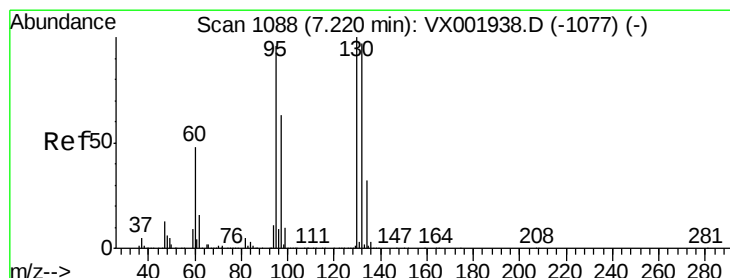
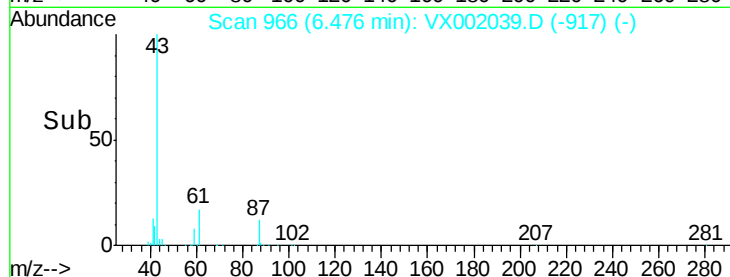
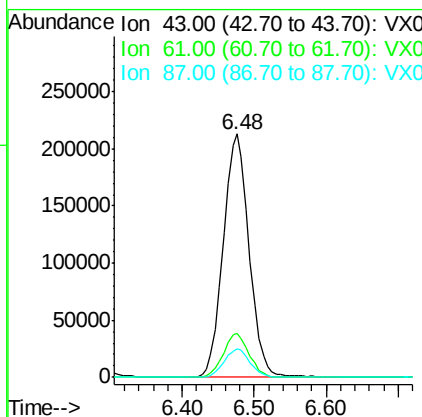
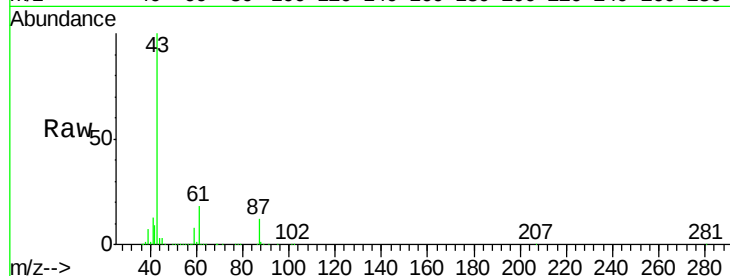
Isopropyl Acetate
 Concen: 45.43 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX002039.D
 Acq: 27 May 2018 00:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

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

Manual Integrations
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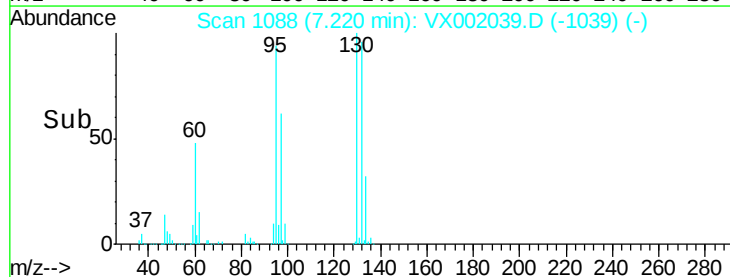
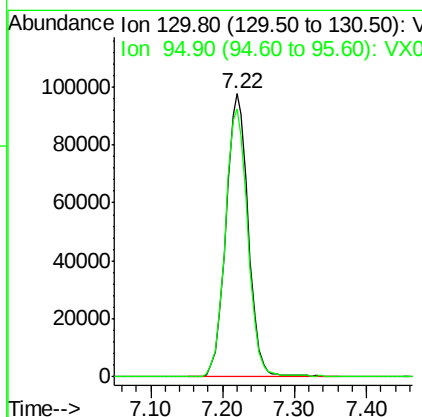
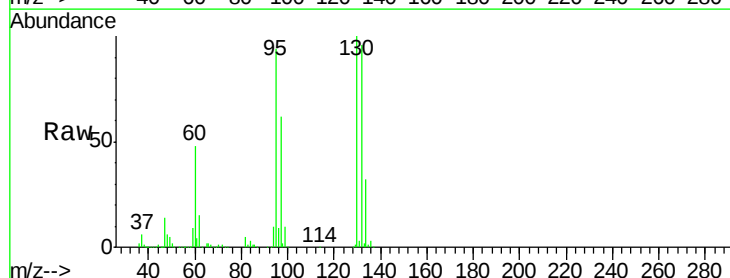
MMDadoda
 5/30/2018 1:50:12 PM



#44

Trichloroethene
 Concen: 45.98 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX002039.D
 Acq: 27 May 2018 00:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	192.0





#45

1,2-Dichloropropane

Concen: 47.61 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 202951

Ion Ratio Lower Upper

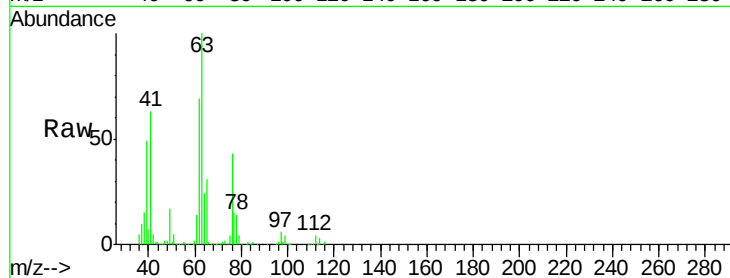
63 100

65 30.8 24.1 36.1

Manual Integrations
APPROVED

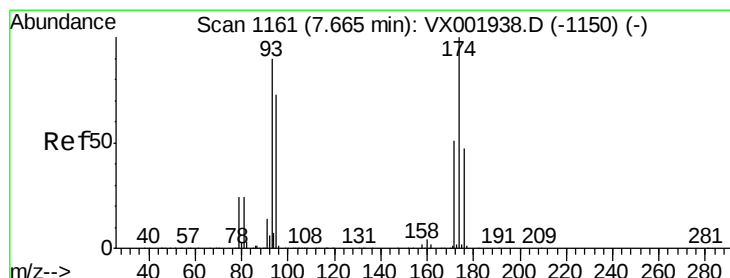
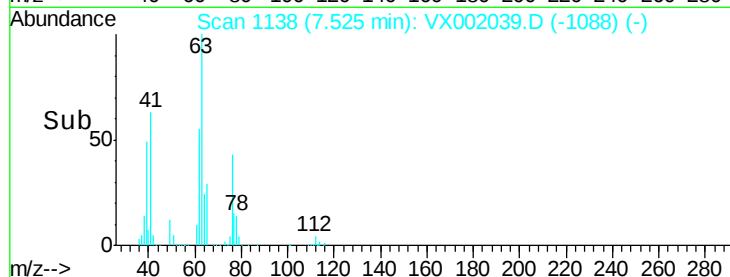
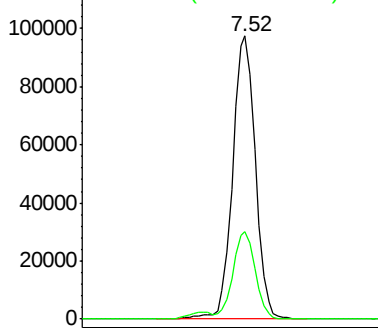
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 46.34 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

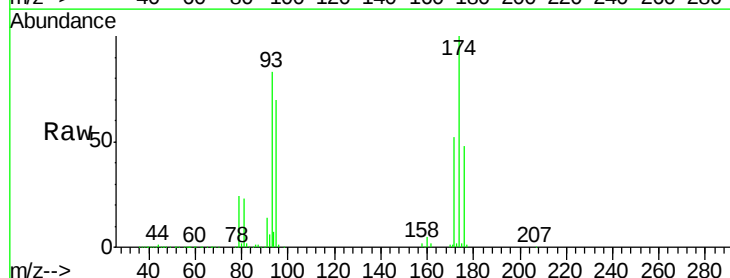
Tgt Ion: 93 Resp: 130789

Ion Ratio Lower Upper

93 100

95 82.2 66.1 99.1

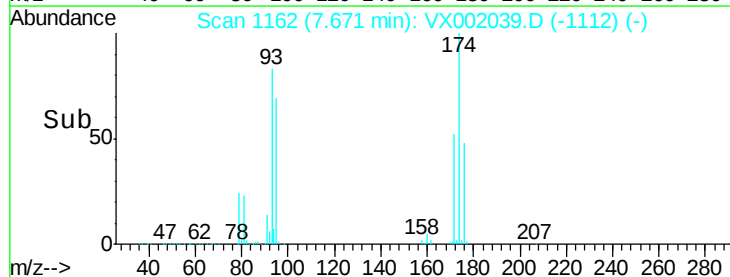
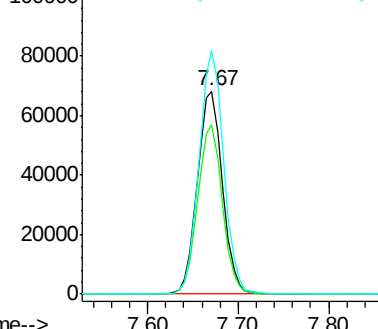
174 117.3 92.5 138.7



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 44.47 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

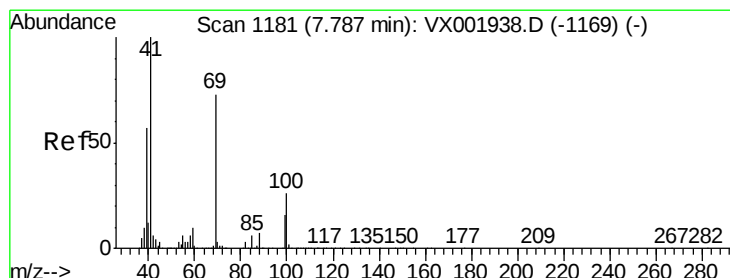
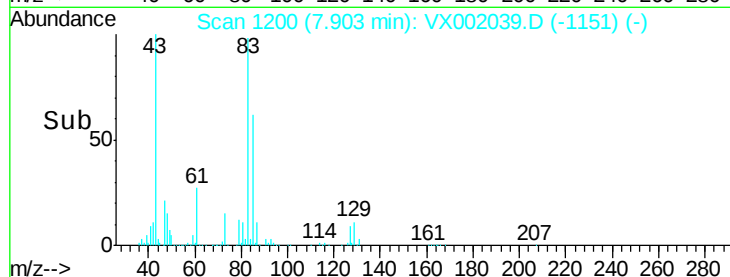
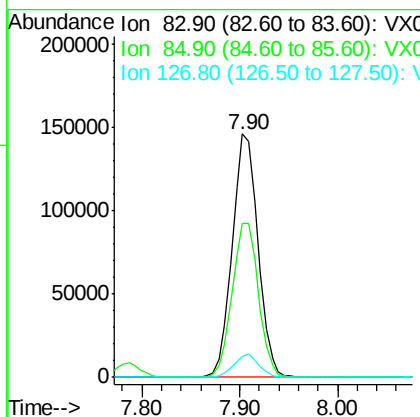
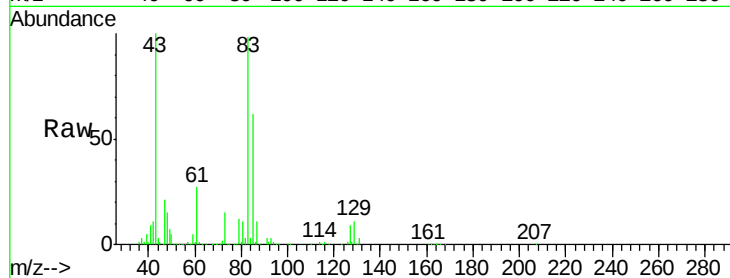
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	267569
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.4	77.2
127	8.7	7.1	10.7

Manual Integrations
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5/30/2018 1:50:12 PM



#48

Methyl methacrylate

Concen: 45.28 ug/l

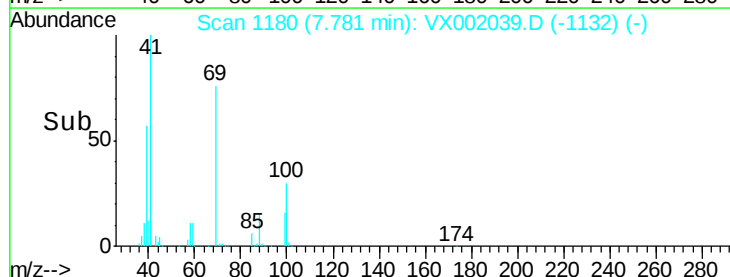
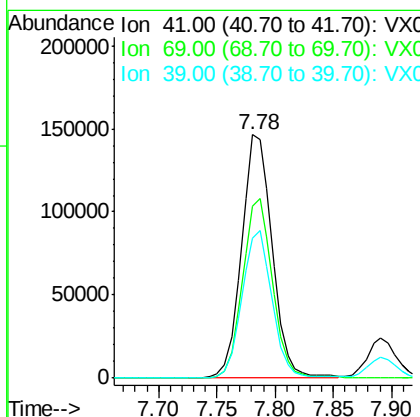
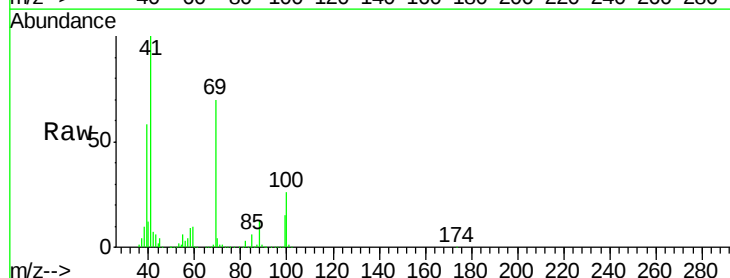
RT: 7.78 min Scan# 1180

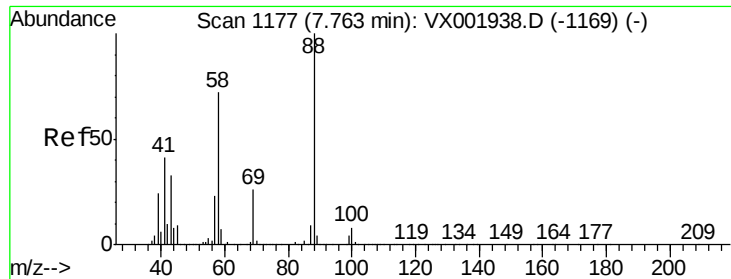
Delta R.T. -0.01 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Tgt Ion:	41	Resp:	268214
Ion	Ratio	Lower	Upper
41	100		
69	73.1	58.6	87.8
39	59.4	46.3	69.5





#49

1,4-Dioxane

Concen: 972.20 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

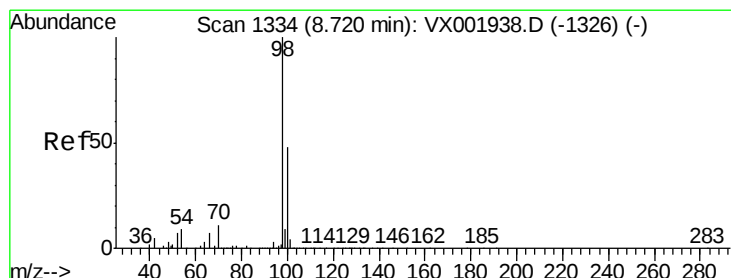
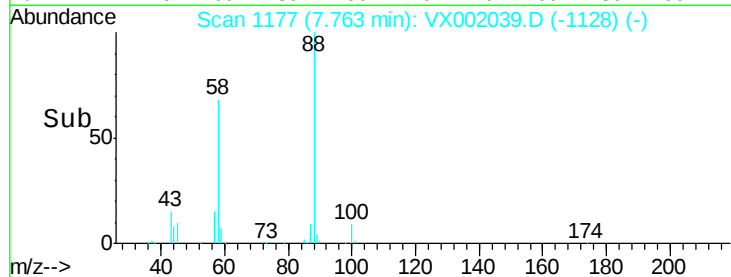
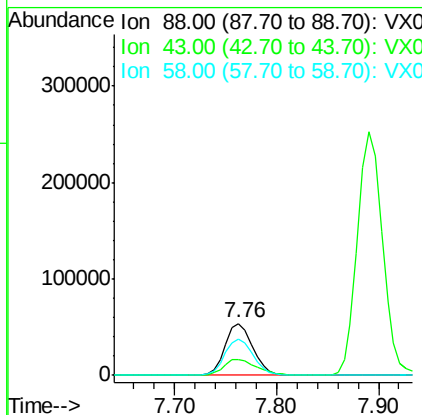
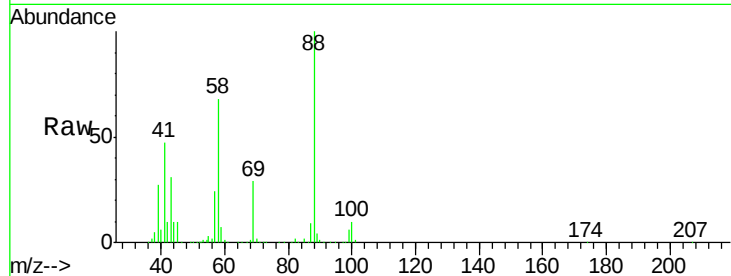
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	29.8	44.8
58	72.5	58.7	88.1

Manual Integrations
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#50

Toluene-d8

Concen: 46.05 ug/l

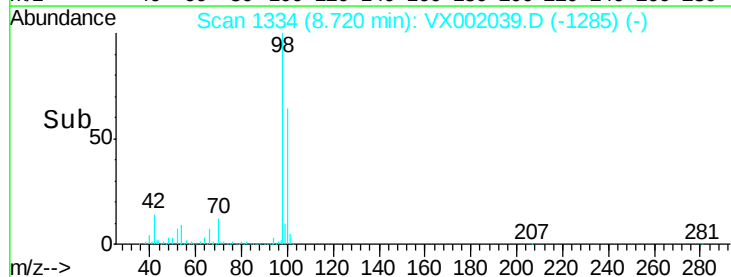
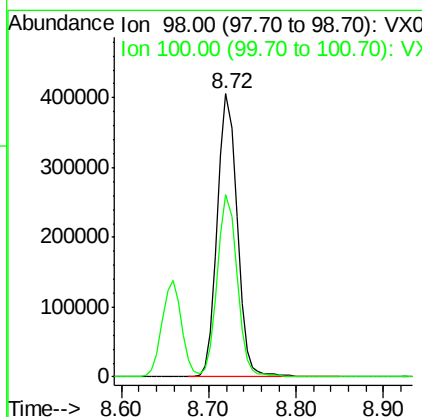
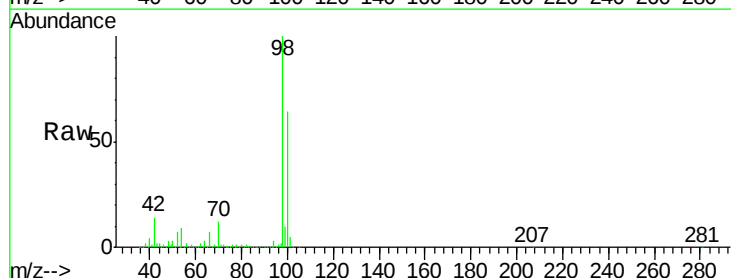
RT: 8.72 min Scan# 1334

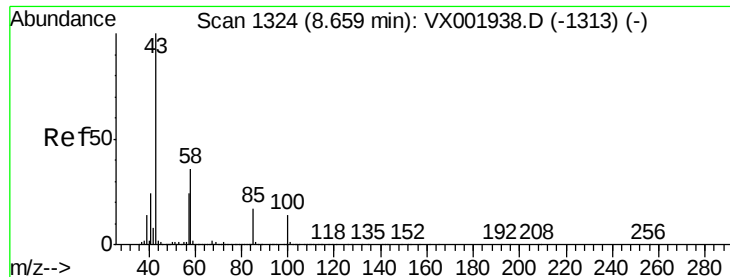
Delta R.T. 0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 236.45 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1658845

Ion Ratio Lower Upper

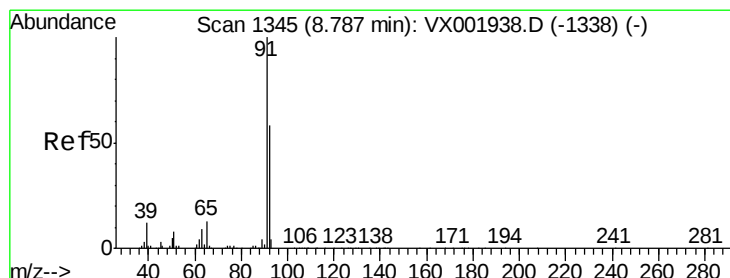
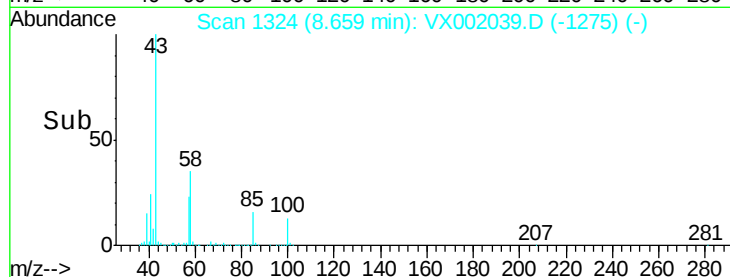
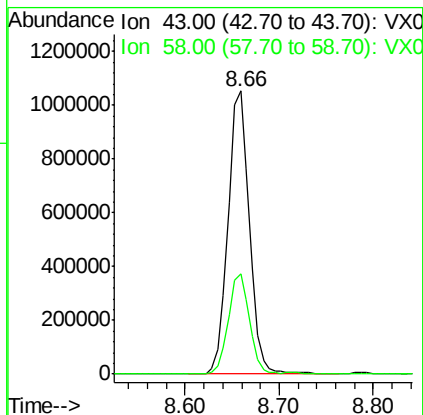
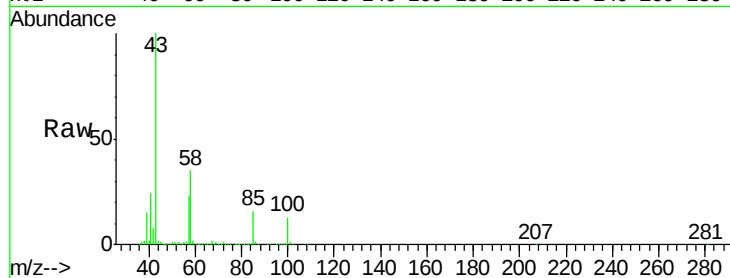
43 100

58 35.1 28.5 42.7

Manual Integrations
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#52

Toluene

Concen: 47.64 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VX002039.D

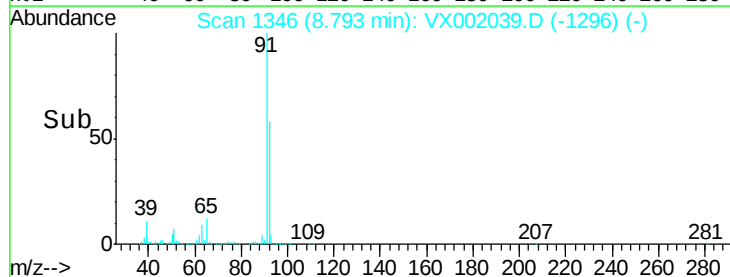
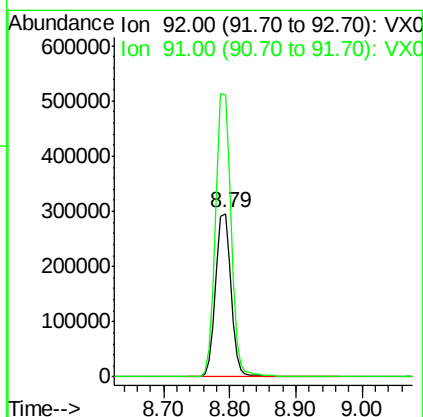
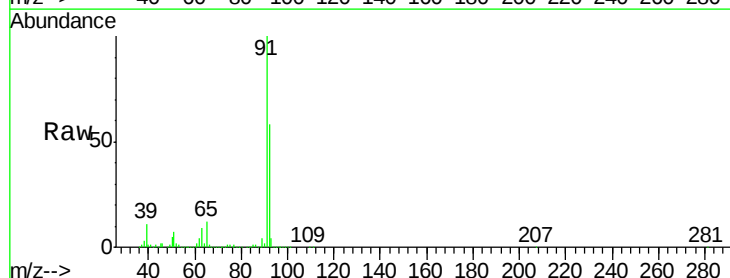
Acq: 27 May 2018 00:46

Tgt Ion: 92 Resp: 475916

Ion Ratio Lower Upper

92 100

91 174.3 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 43.87 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 304014

Ion Ratio Lower Upper

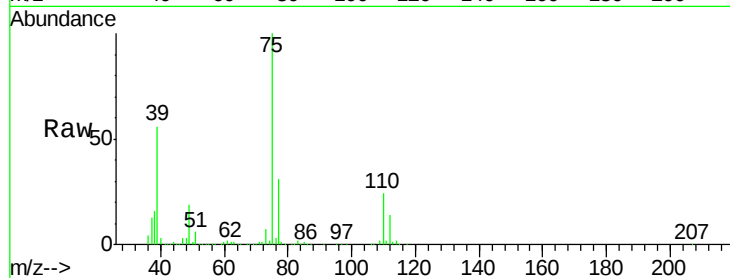
75 100

77 30.8 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.45

200000

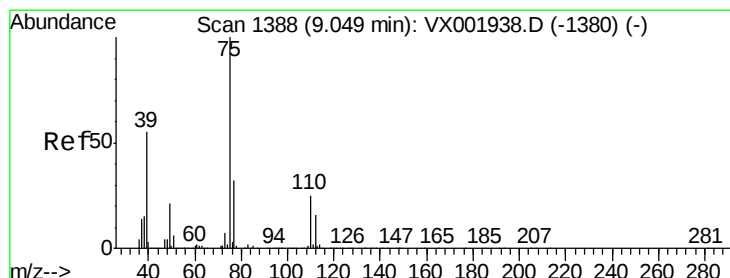
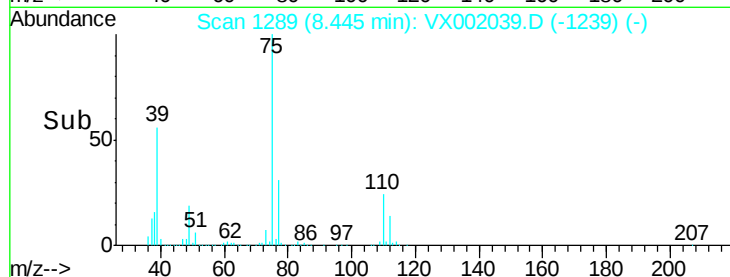
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 43.33 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

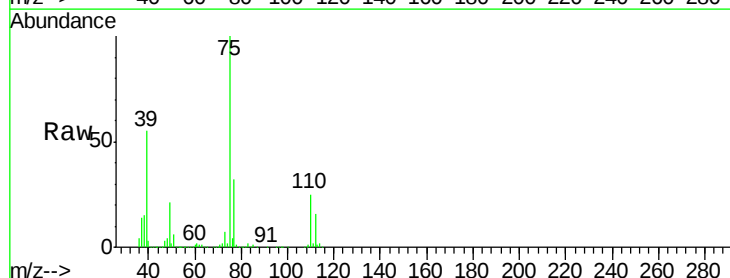
Tgt Ion: 75 Resp: 292612

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 54.4 44.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

250000

200000

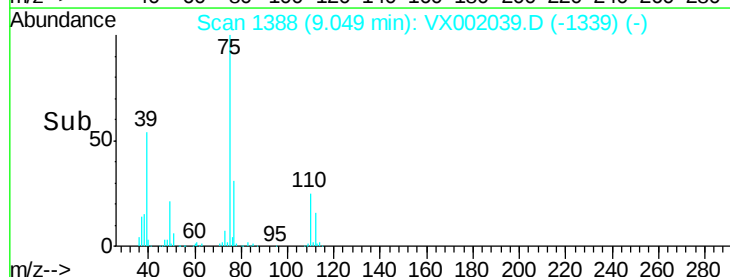
150000

100000

50000

0

Time-->





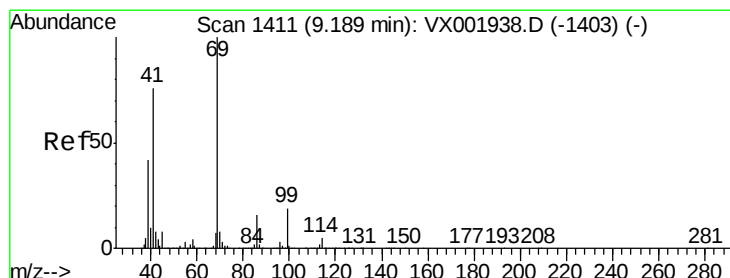
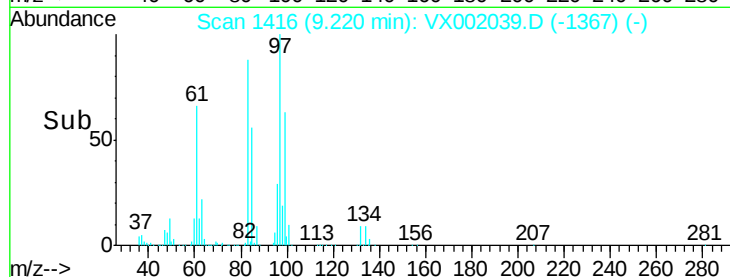
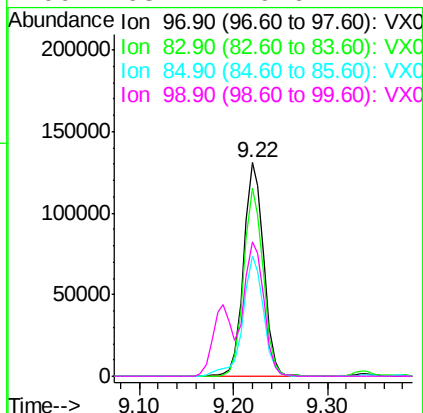
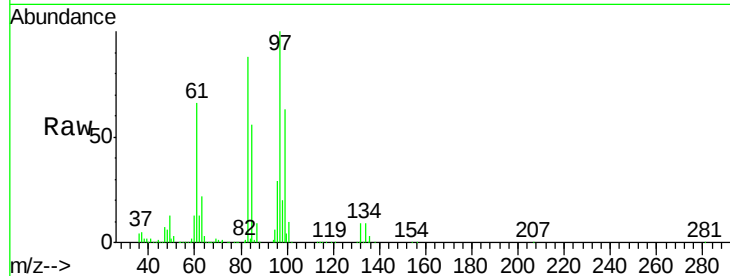
#55
 1,1,2-Trichloroethane
 Concen: 46.19 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002039.D
 Acq: 27 May 2018 00:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		192742		
83	88.0	69.1	103.7		
85	56.0	45.2	67.8		
99	63.2	49.6	74.4		

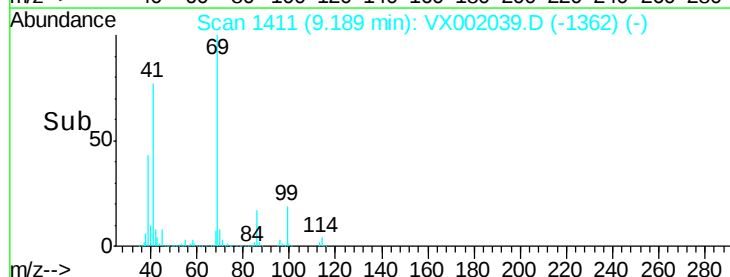
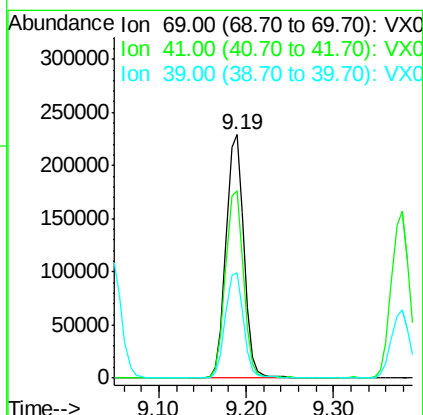
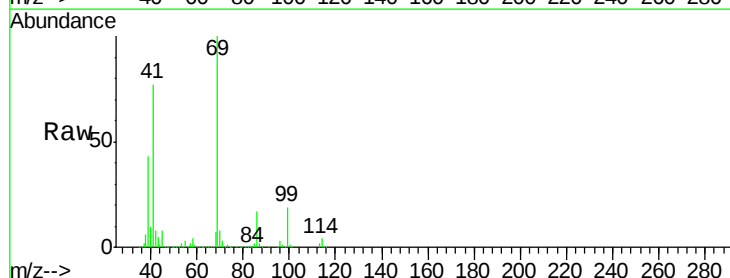
Manual Integrations
 APPROVED

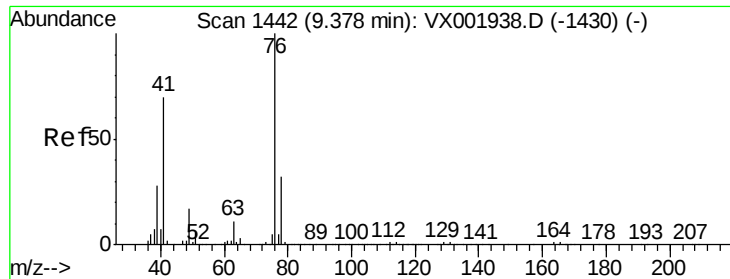
MMDadoda
 5/30/2018 1:50:12 PM



#56
 Ethyl methacrylate
 Concen: 45.20 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX002039.D
 Acq: 27 May 2018 00:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		324446		
41	77.4	61.0	91.6		
39	43.8	34.4	51.6		





#57

1,3-Dichloropropane

Concen: 47.46 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 326225

Ion Ratio Lower Upper

76 100

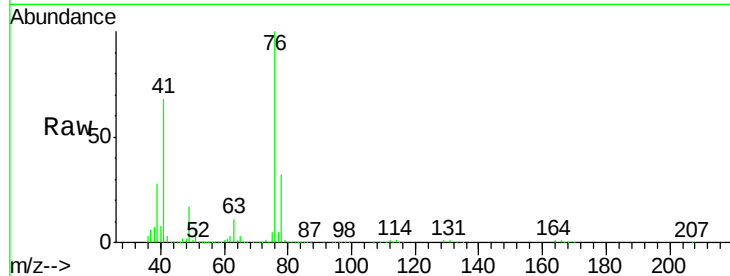
78 31.9 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

5/30/2018 1:50:12 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

250000

200000

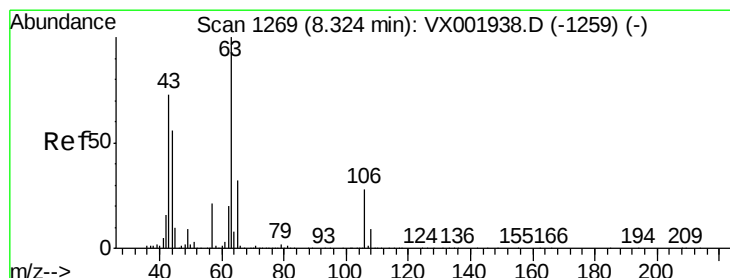
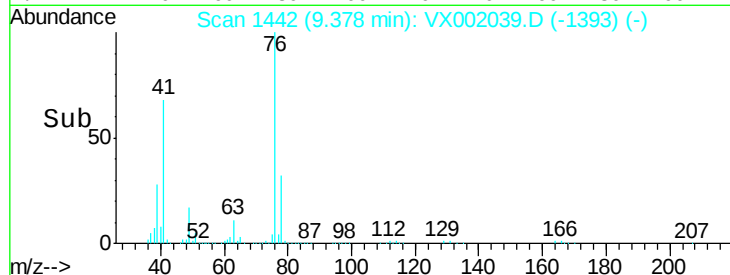
150000

100000

50000

0

Time--> 9.30 9.40 9.50



#58

2-Chloroethyl Vinyl ether

Concen: 239.60 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002039.D

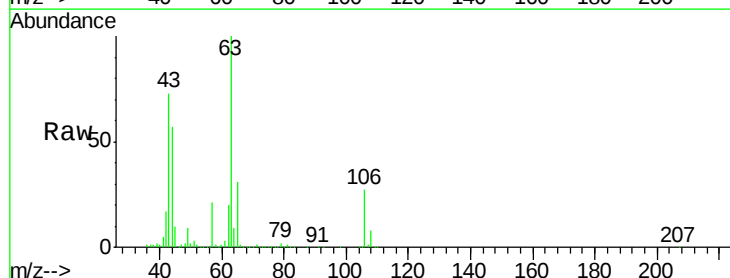
Acq: 27 May 2018 00:46

Tgt Ion: 63 Resp: 762237

Ion Ratio Lower Upper

63 100

106 27.4 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

500000

400000

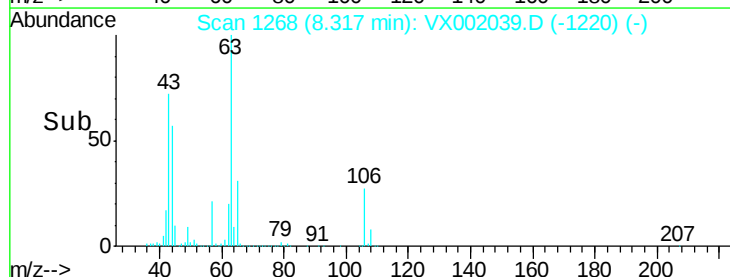
300000

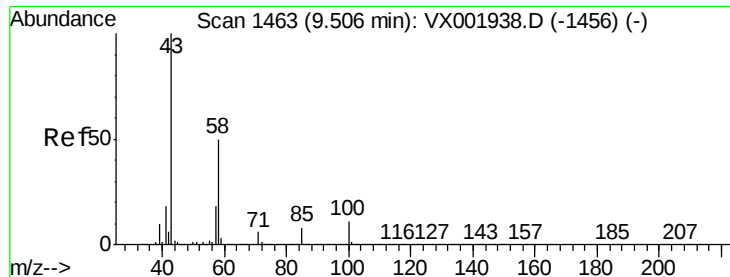
200000

100000

0

Time--> 8.20 8.30 8.40





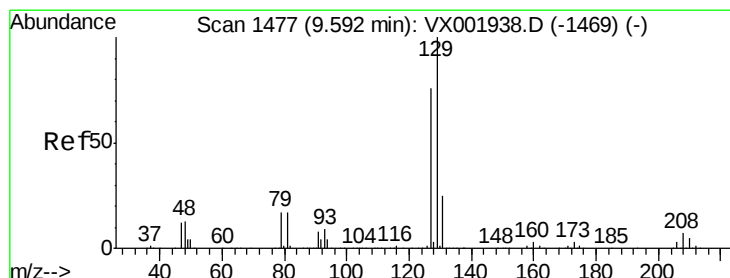
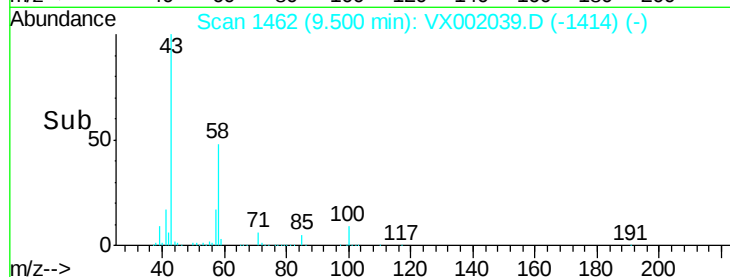
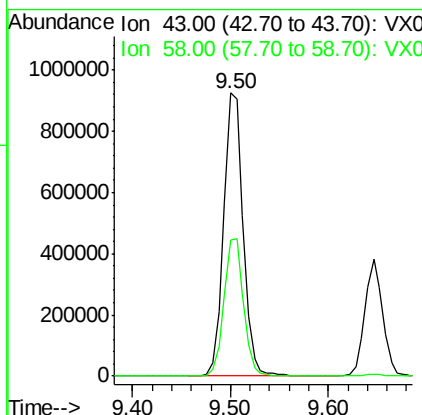
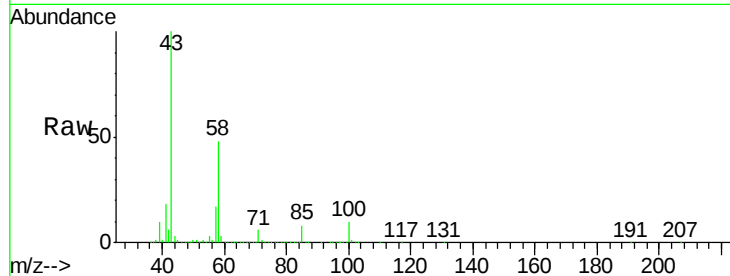
#59
2-Hexanone
Concen: 236.51 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1279372
Ion Ratio Lower Upper
43 100
58 49.1 24.9 74.6

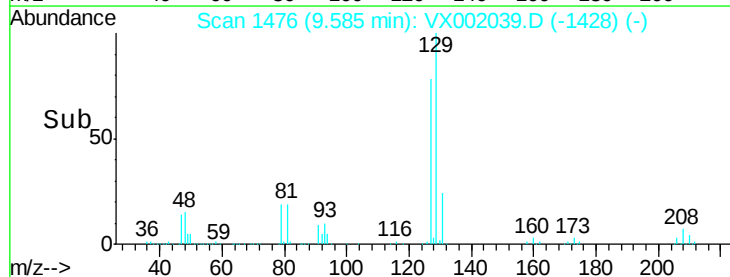
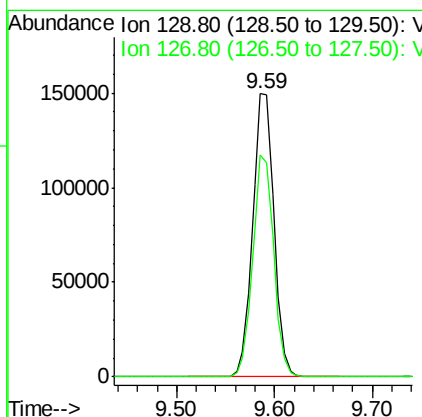
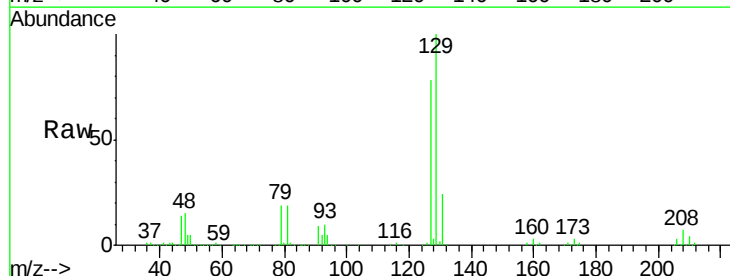
Manual Integrations
APPROVED

MMDadoda
5/30/2018 1:50:12 PM



#60
Dibromochloromethane
Concen: 45.64 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Tgt Ion: 129 Resp: 225594
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.9





#61

1,2-Dibromoethane

Concen: 47.09 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 206167

Ion Ratio Lower Upper

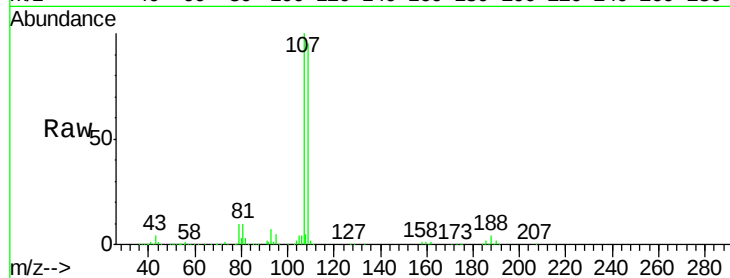
107 100

109 94.8 75.3 112.9

Manual Integrations
APPROVED

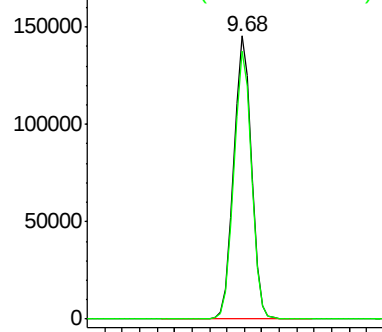
MMDadoda

5/30/2018 1:50:12 PM

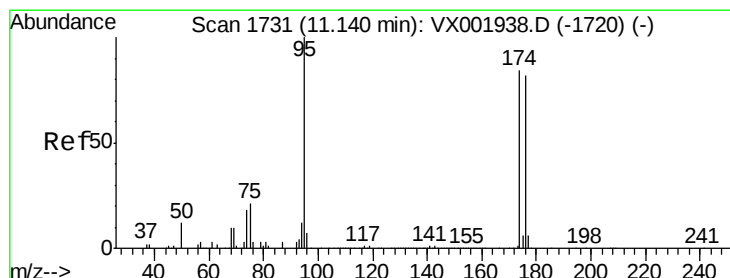
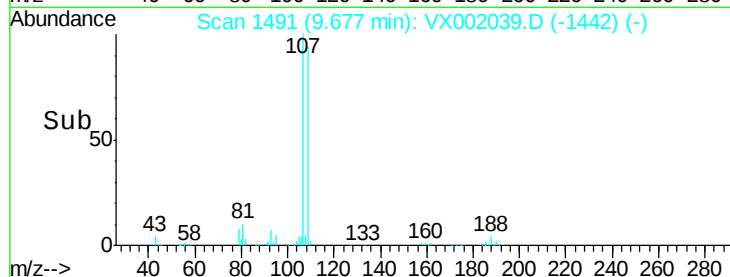


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 46.24 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

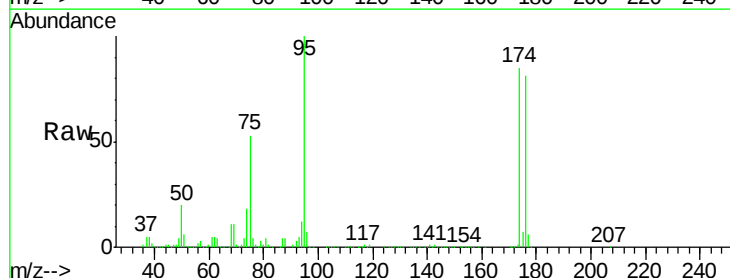
Tgt Ion: 95 Resp: 252280

Ion Ratio Lower Upper

95 100

174 92.5 0.0 178.8

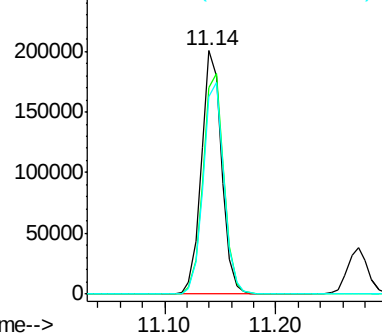
176 88.8 0.0 175.6



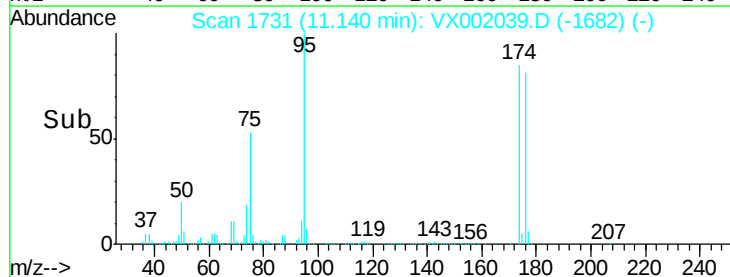
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





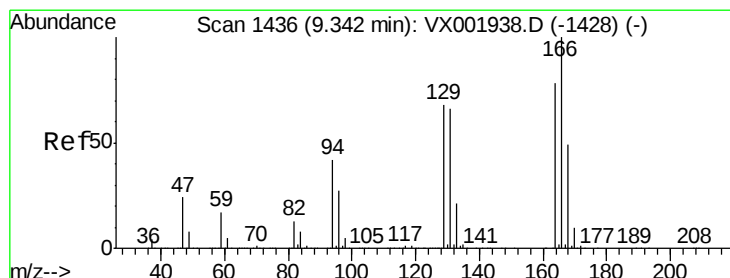
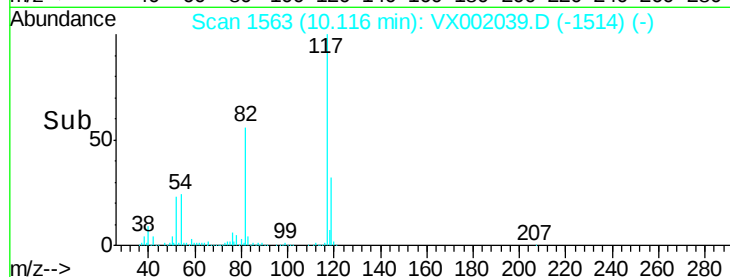
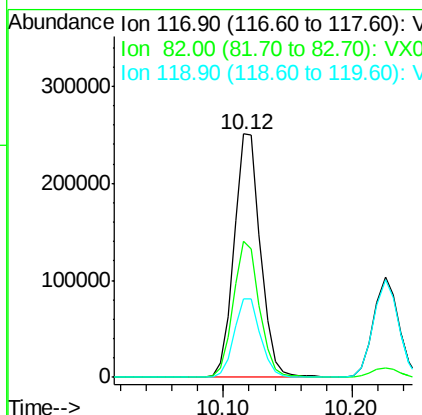
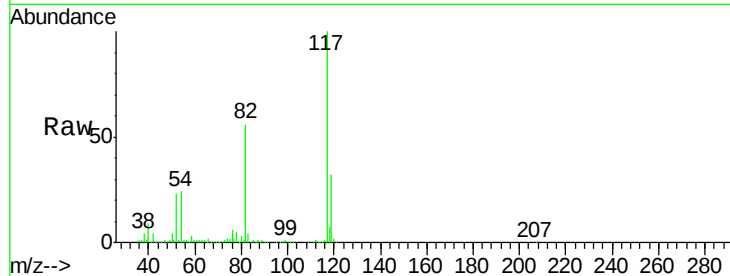
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.8	67.2
119	32.1	25.5	38.3

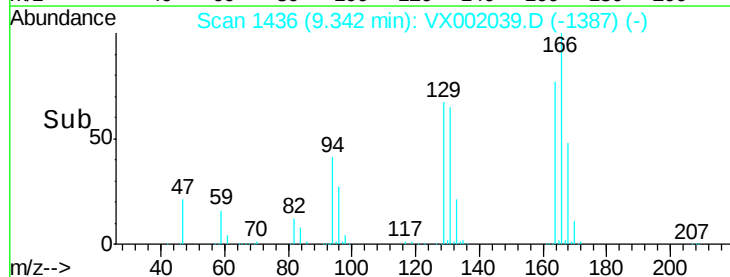
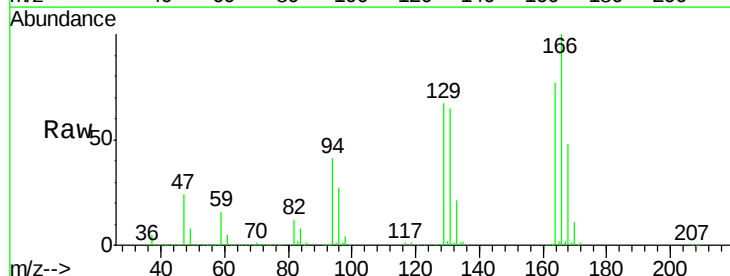
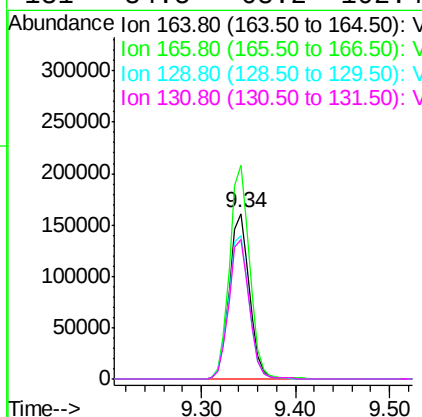
Manual Integrations
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#64
Tetrachloroethene
Concen: 46.58 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	102.7	154.1
129	86.6	70.3	105.5
131	84.5	68.2	102.4





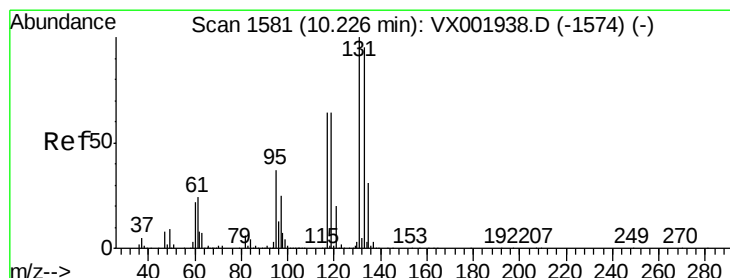
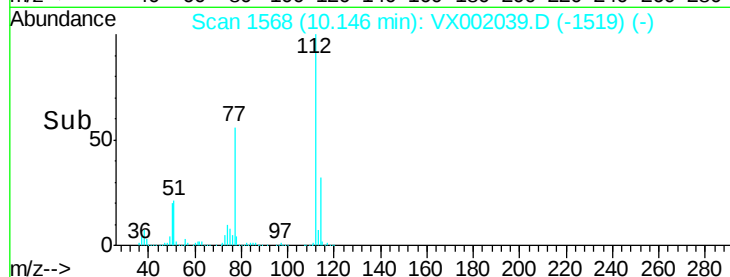
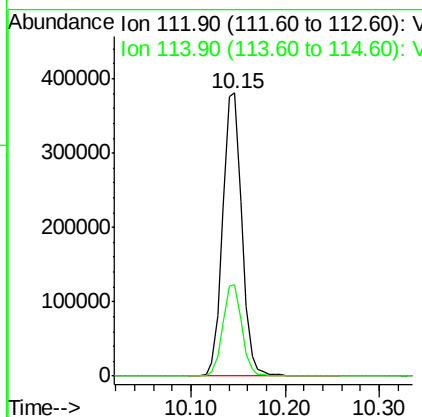
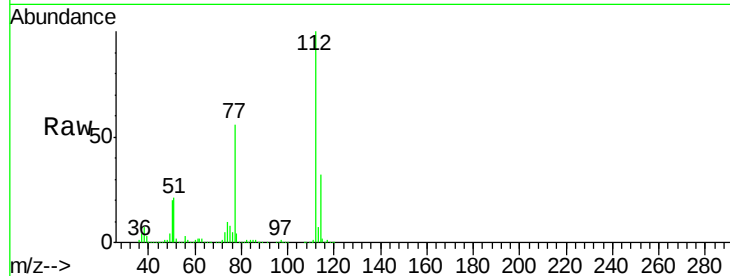
#65
Chlorobenzene
Concen: 47.45 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.9	38.9

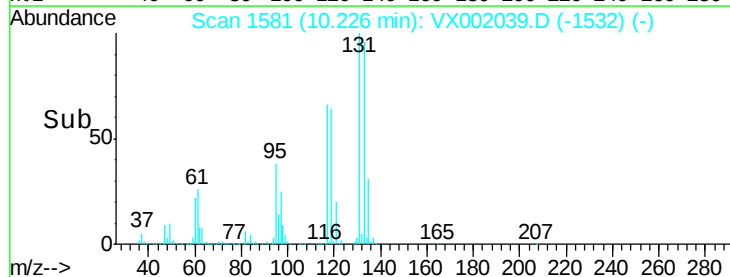
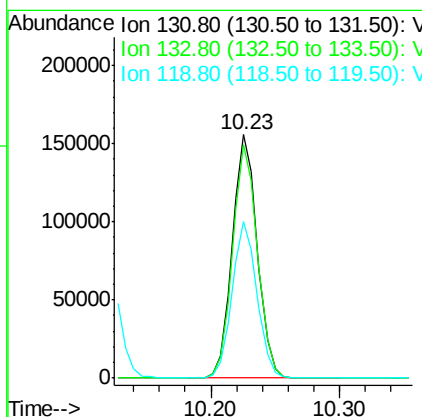
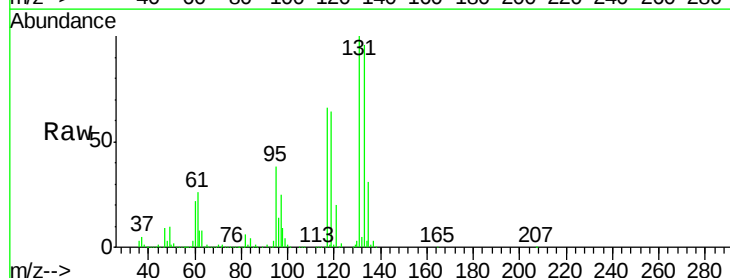
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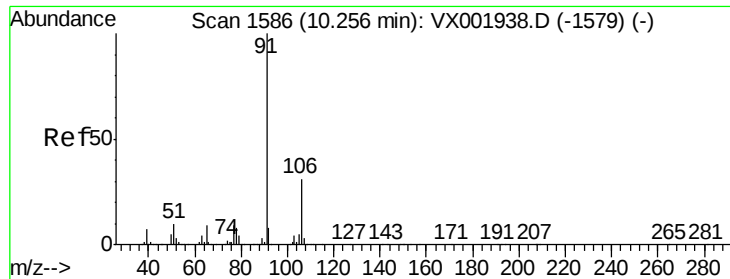
MMDadoda
5/30/2018 1:50:12 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 45.86 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.0	144.0
119	64.2	31.9	95.5





#67

Ethyl Benzene

Concen: 47.68 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 938296

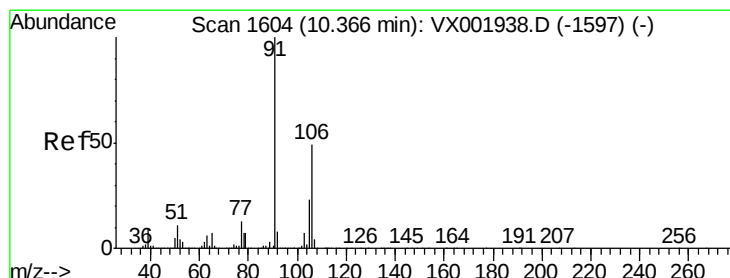
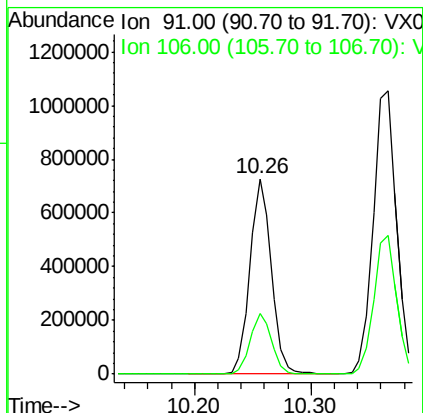
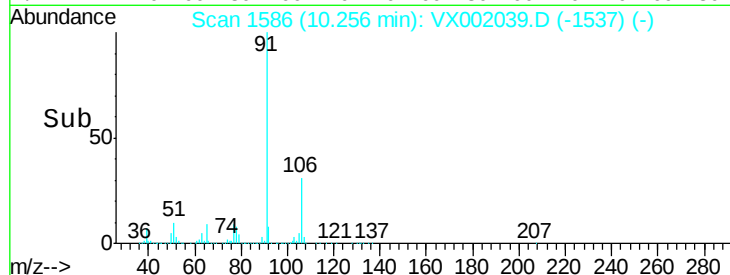
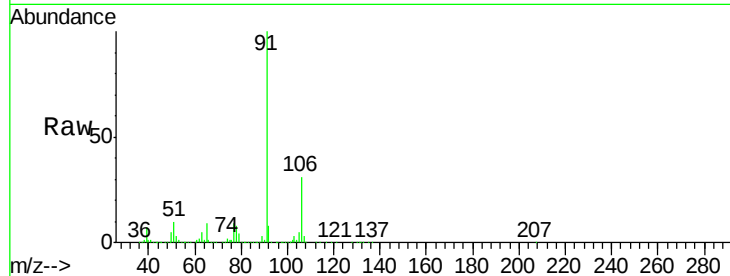
Ion Ratio Lower Upper

91 100

106 30.9 25.0 37.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 95.16 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002039.D

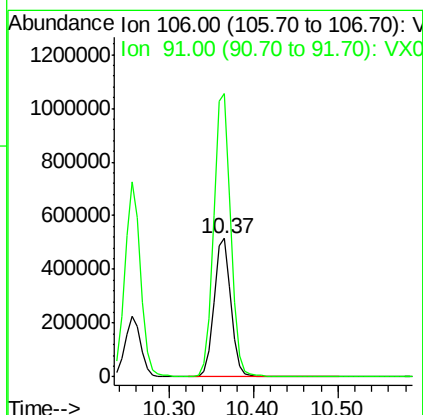
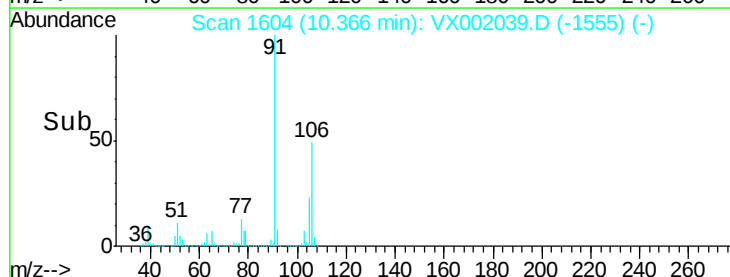
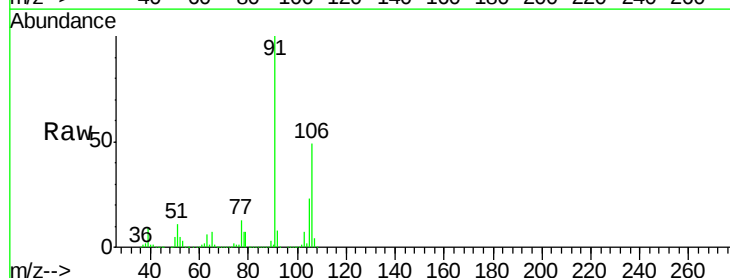
Acq: 27 May 2018 00:46

Tgt Ion: 106 Resp: 715939

Ion Ratio Lower Upper

106 100

91 206.2 165.0 247.6





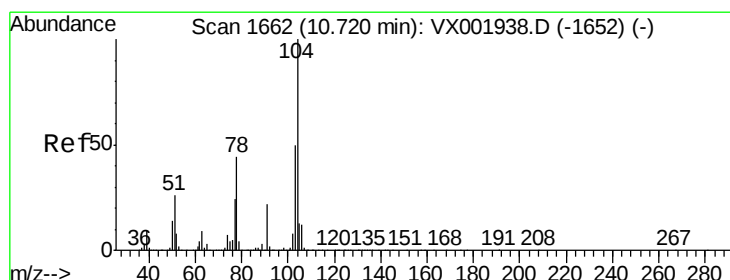
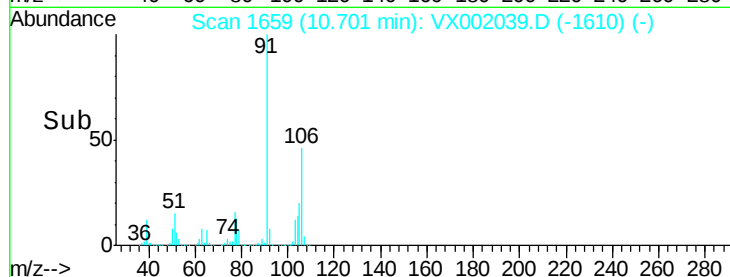
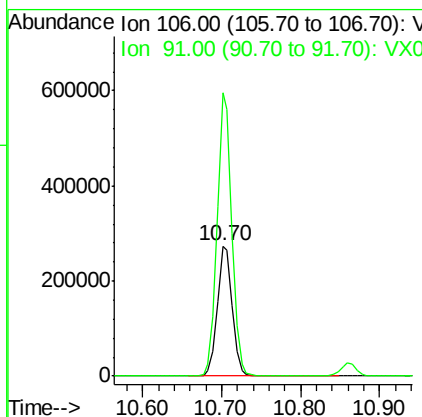
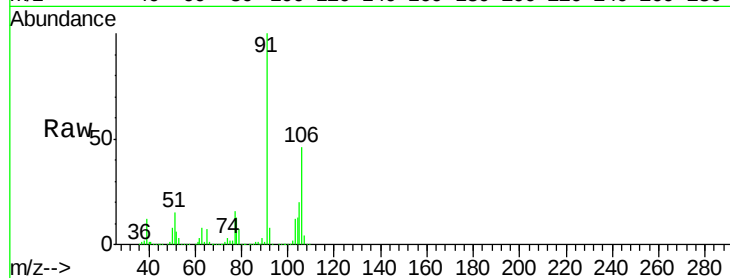
#69
o-Xylene
Concen: 47.87 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.1	108.7	325.9

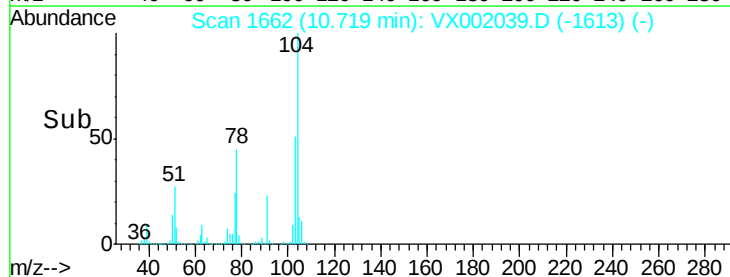
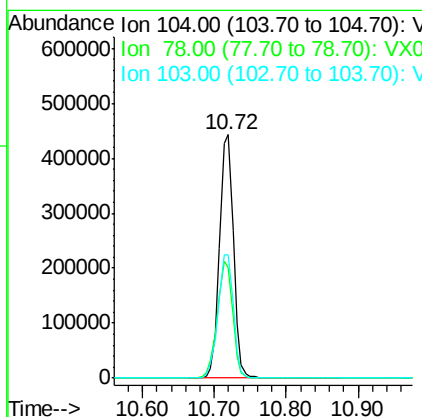
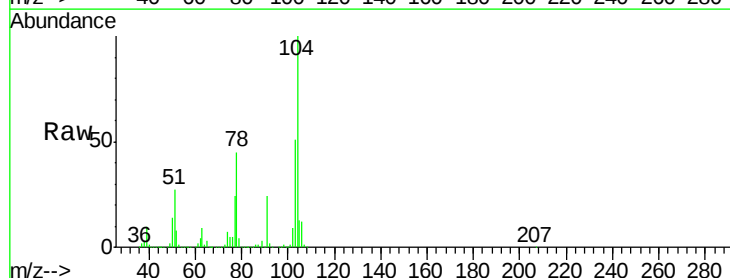
Manual Integrations
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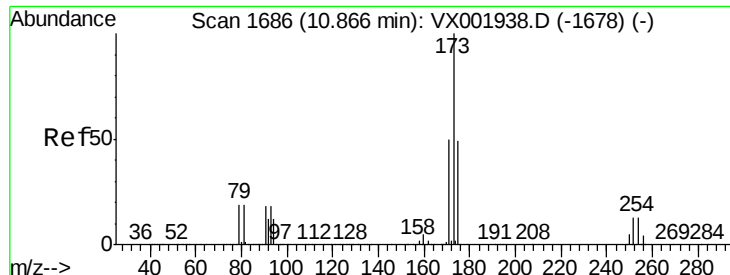
MMDadoda
5/30/2018 1:50:12 PM



#70
Styrene
Concen: 47.64 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.7	41.8	62.6
103	55.9	44.6	67.0





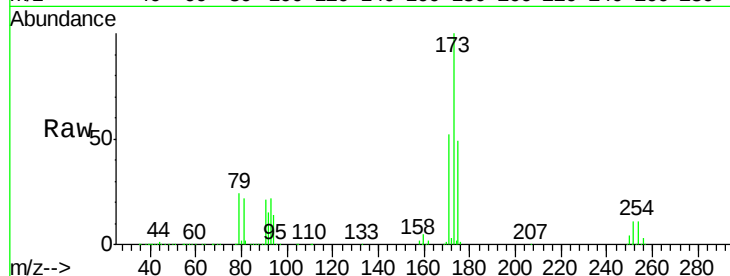
#71
Bromoform
Concen: 43.75 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

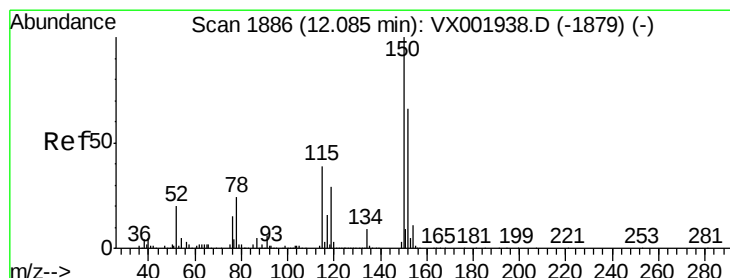
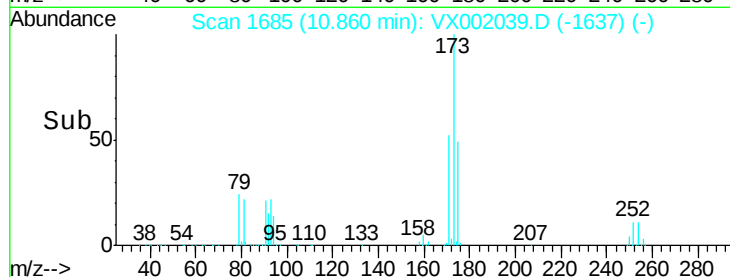
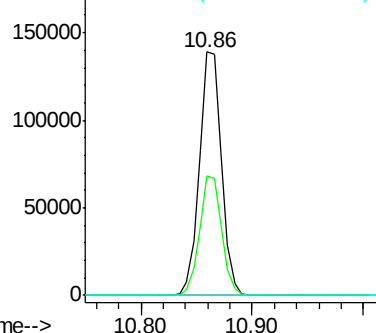
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.9
254	0.2	0.1	0.1#

Manual Integrations
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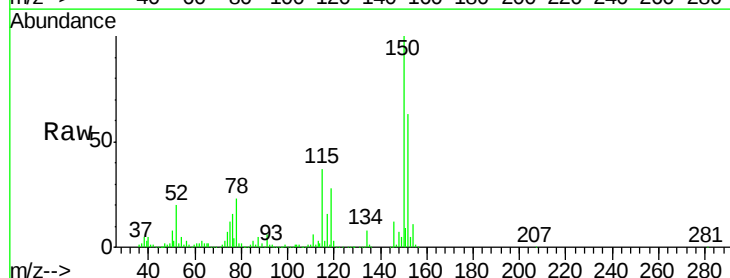


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

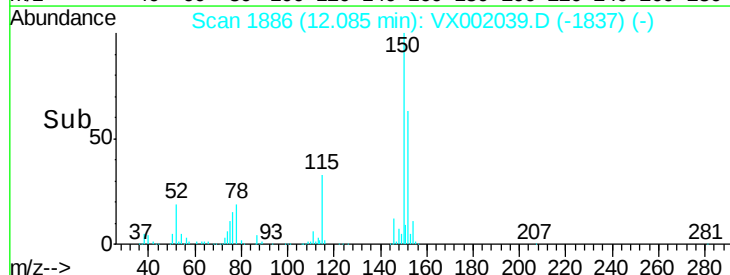
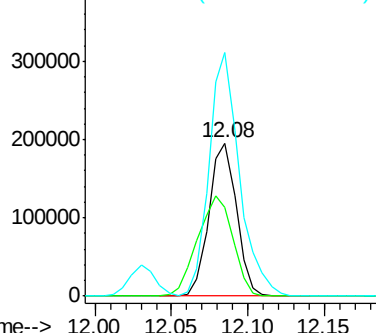


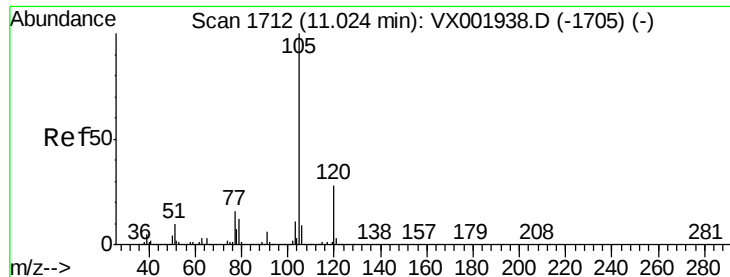
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	83.5	42.3	126.8
150	175.3	0.0	351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.48 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 960193

Ion Ratio Lower Upper

105 100

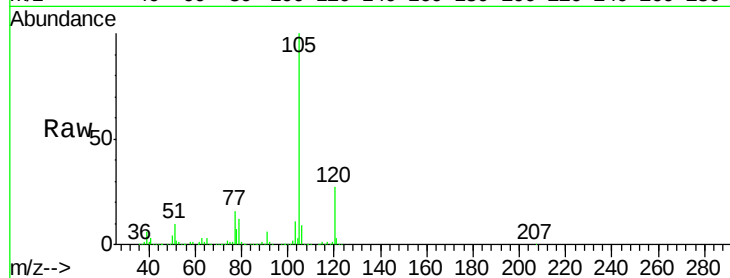
120 26.9 13.6 40.7

Manual Integrations

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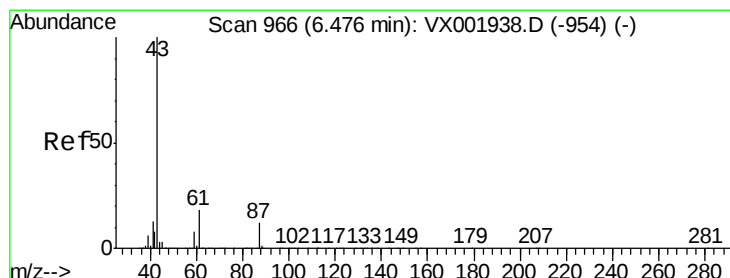
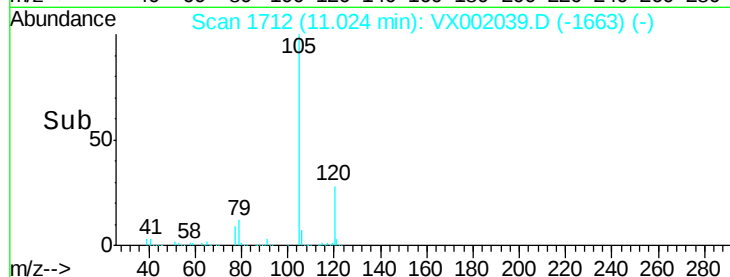
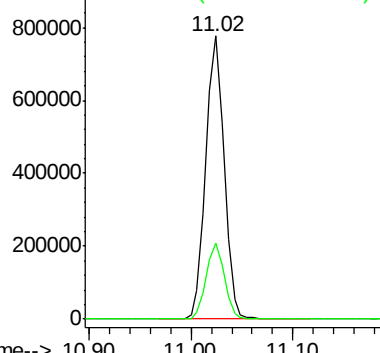
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.29 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Tgt Ion: 43 Resp: 528751

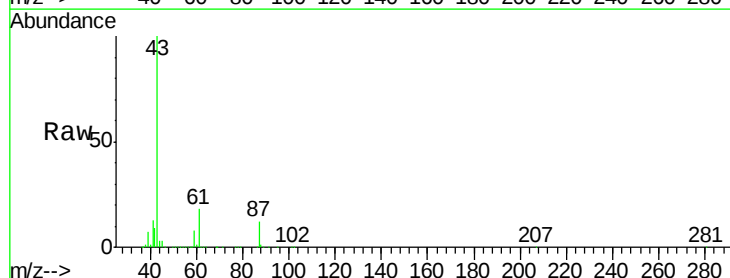
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.0 0.1 0.1#

61 18.0 14.5 21.7

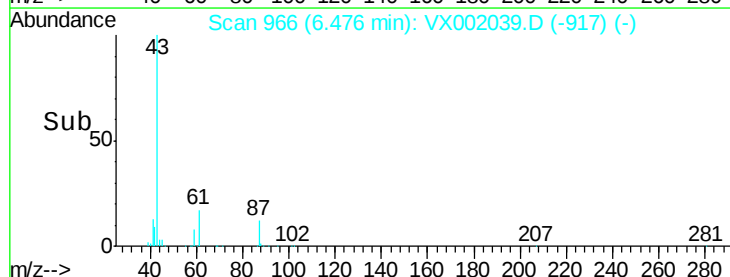
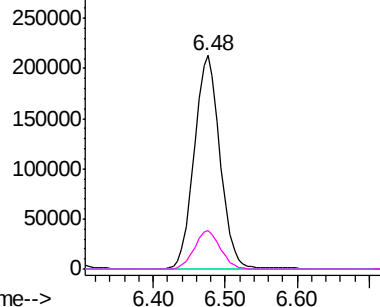


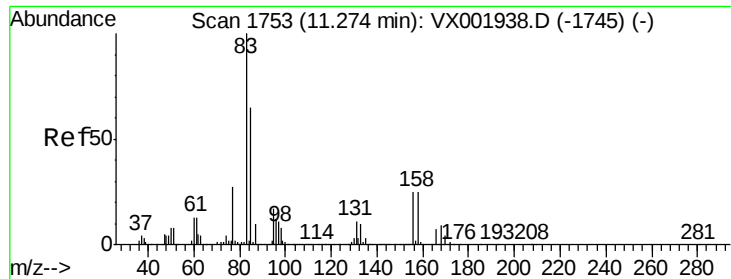
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.94 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 287673

Ion Ratio Lower Upper

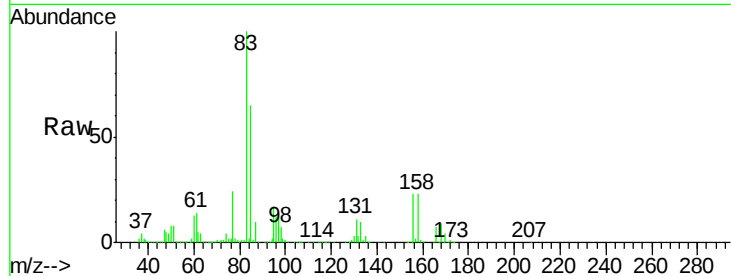
83 100

131 10.8 5.7 17.0

85 64.6 32.6 97.7

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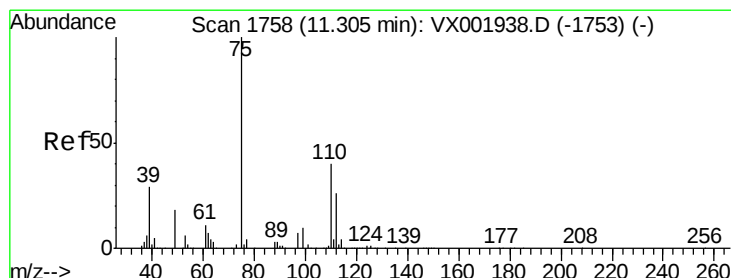
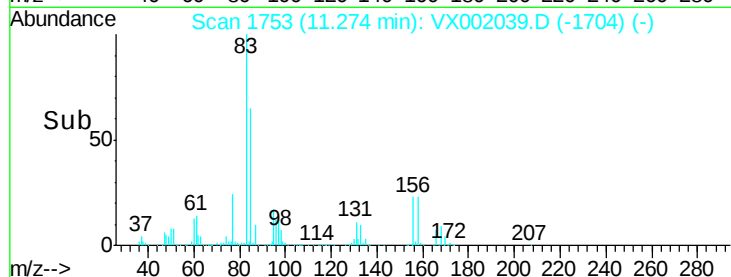
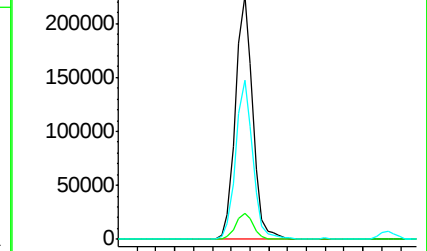
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 50.82 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX002039.D

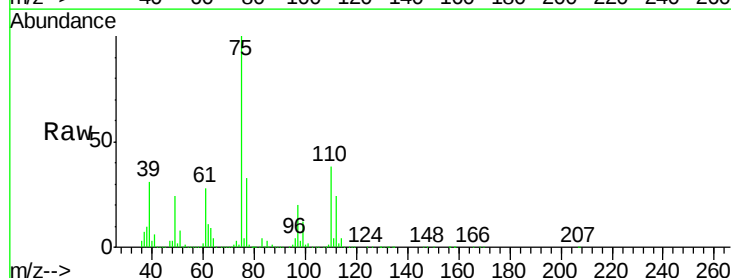
Acq: 27 May 2018 00:46

Tgt Ion: 75 Resp: 297798

Ion Ratio Lower Upper

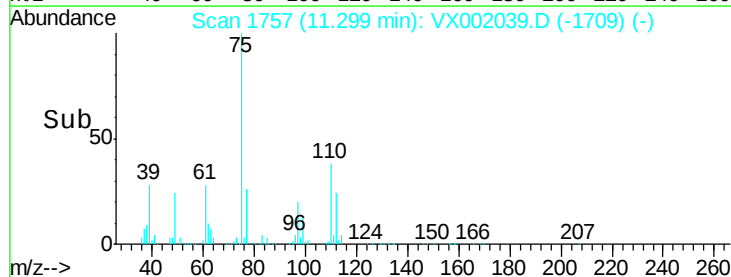
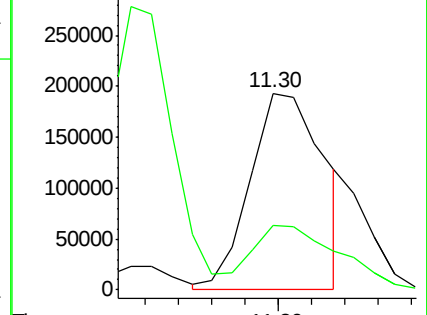
75 100

77 39.5 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.08 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 258023

Ion Ratio Lower Upper

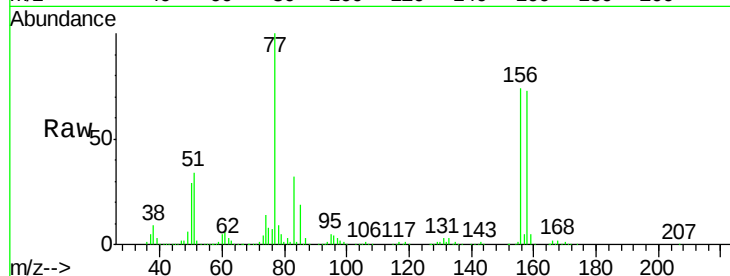
156 100

77 143.7 75.2 225.6

158 97.6 48.6 145.8

Manual Integrations
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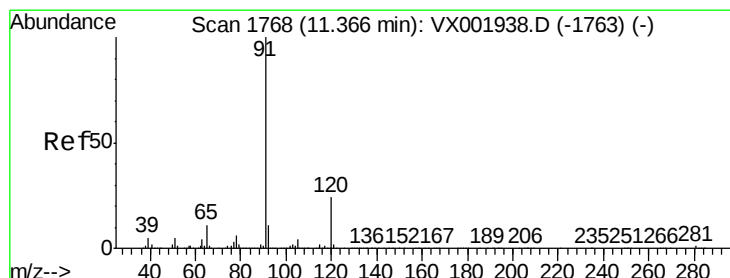
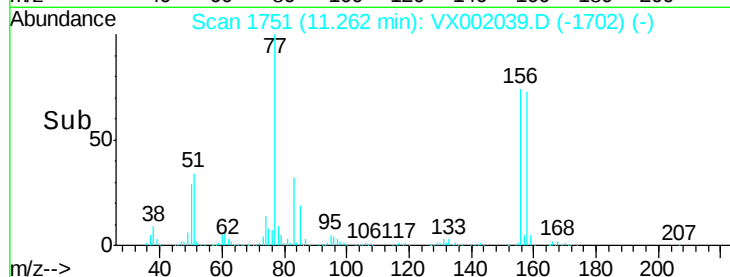
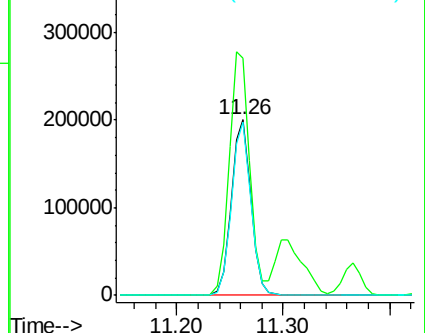
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.63 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002039.D

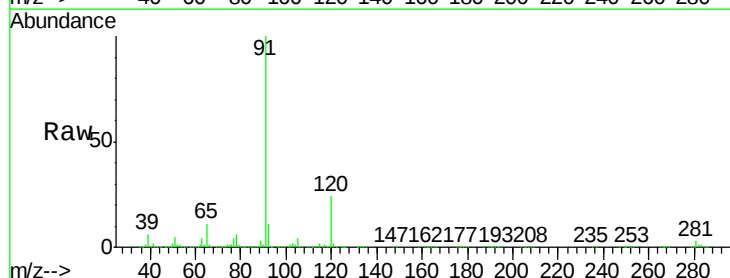
Acq: 27 May 2018 00:46

Tgt Ion: 91 Resp: 1079009

Ion Ratio Lower Upper

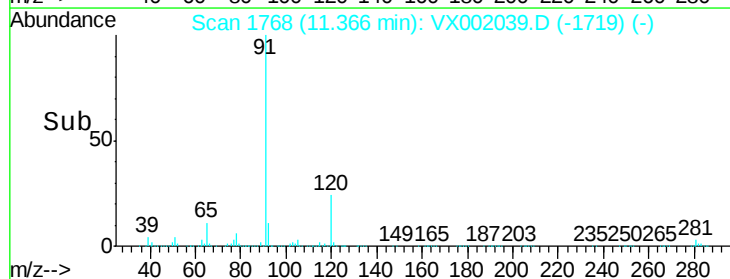
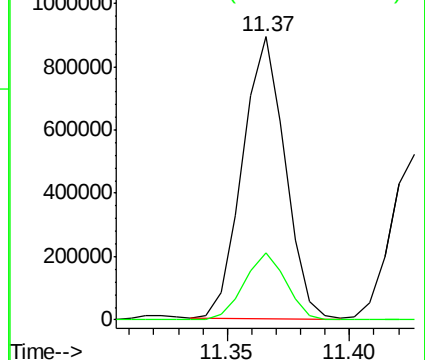
91 100

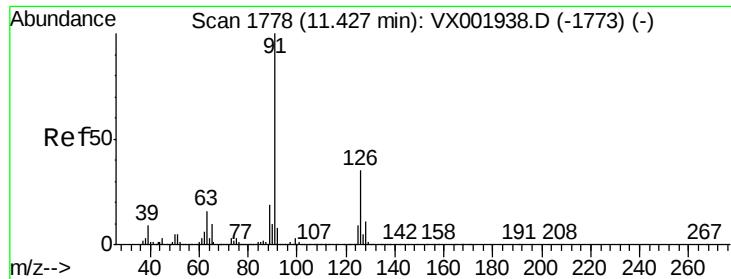
120 23.6 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.33 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 650744

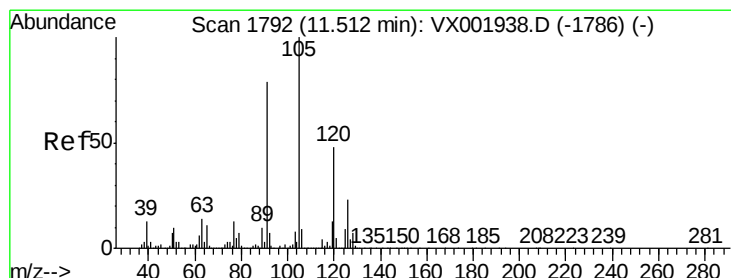
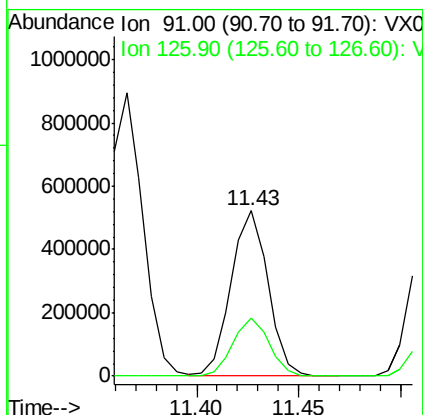
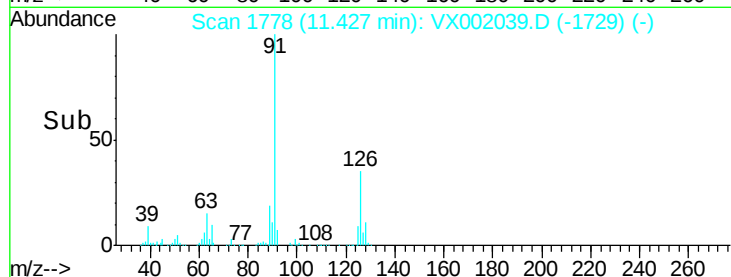
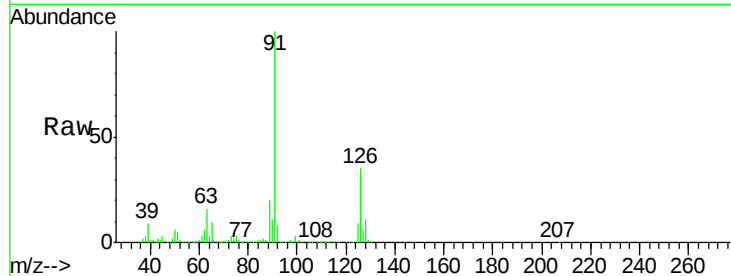
Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.2

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 46.42 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002039.D

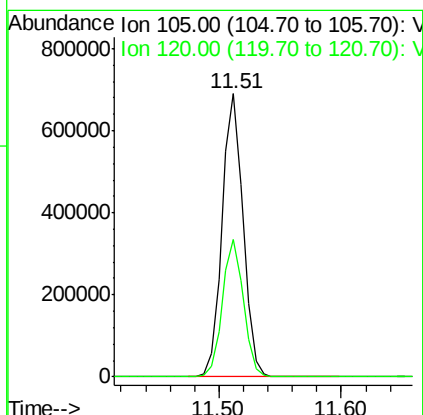
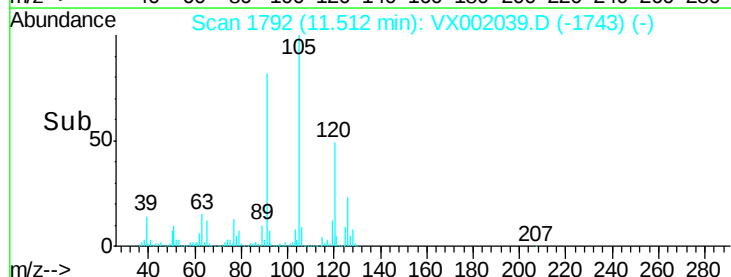
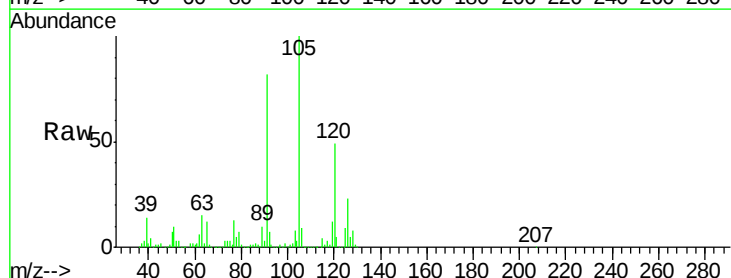
Acq: 27 May 2018 00:46

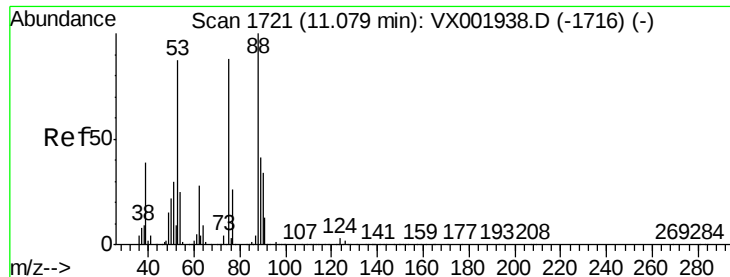
Tgt Ion: 105 Resp: 819581

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.4





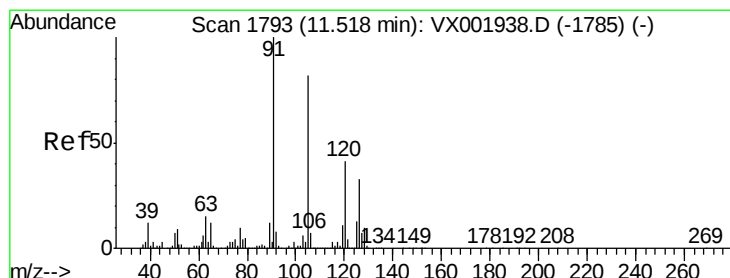
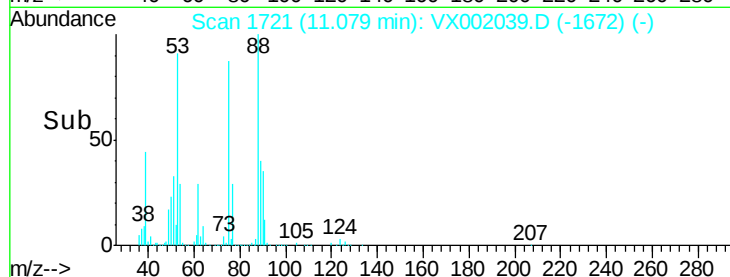
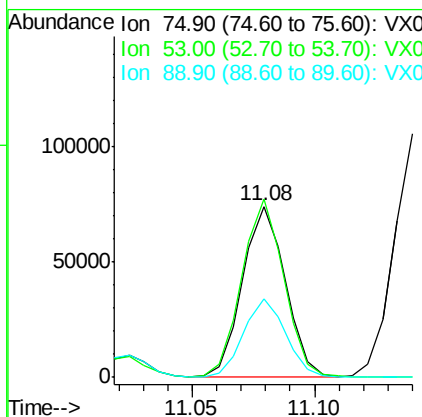
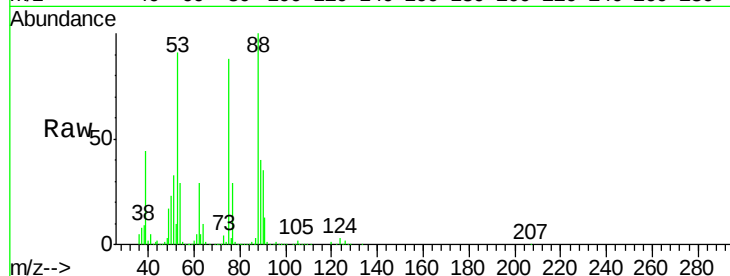
#81
trans-1,4-Dichloro-2-butene
Concen: 36.91 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.9	78.0	117.0
89	45.9	39.4	59.2

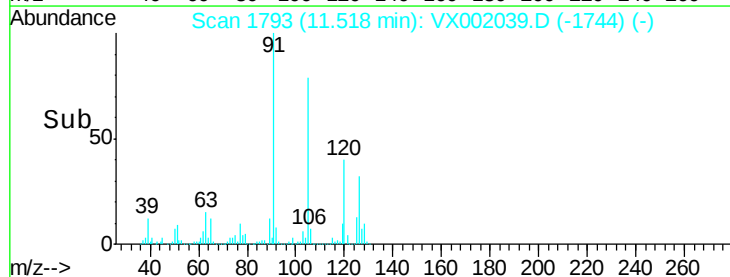
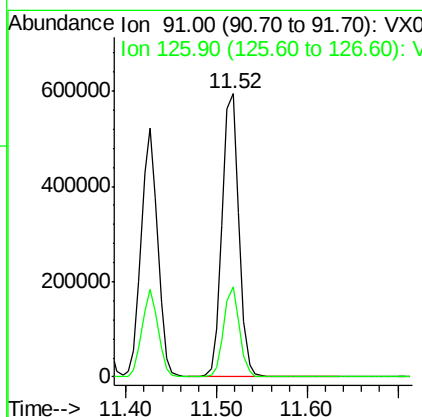
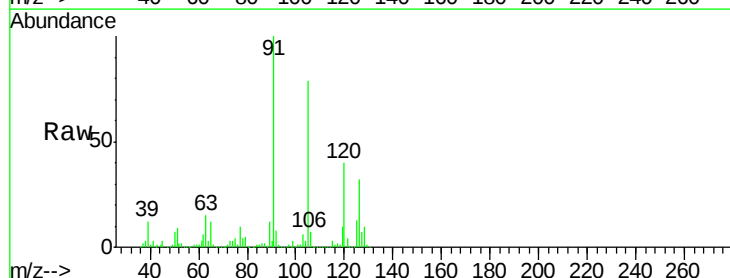
Manual Integrations
APPROVED

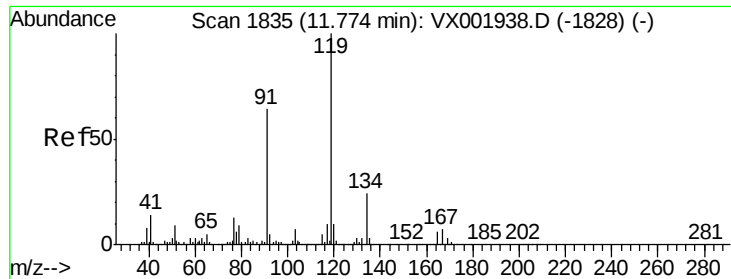
MMDadoda
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#82
4-Chlorotoluene
Concen: 47.08 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	15.3	45.8





#83

tert-Butylbenzene

Concen: 46.09 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

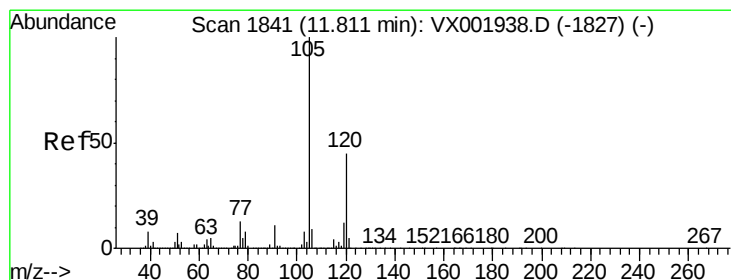
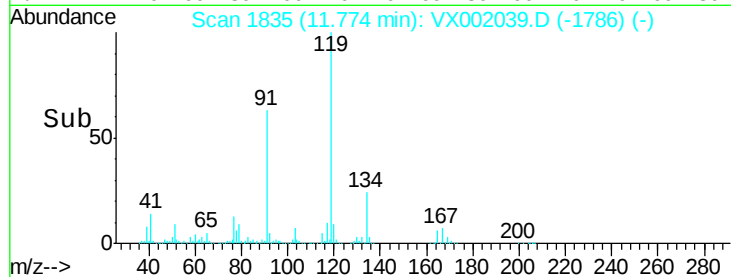
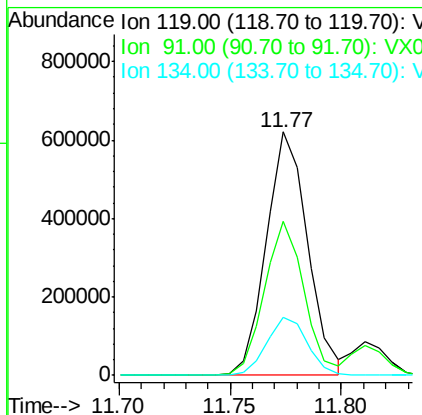
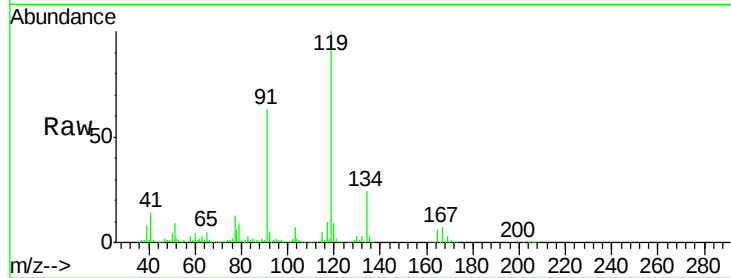
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	798517
Ion Ratio	Lower	Upper	
119	100		
91	60.7	30.6	91.8
134	23.7	11.7	35.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 46.20 ug/l

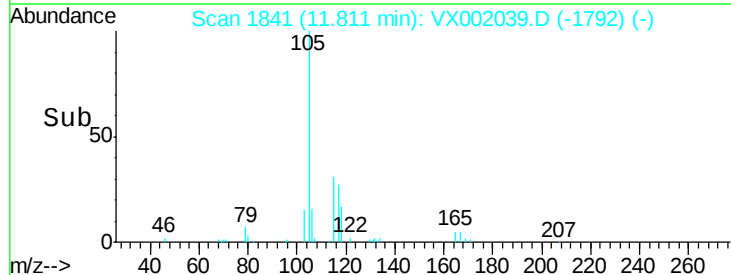
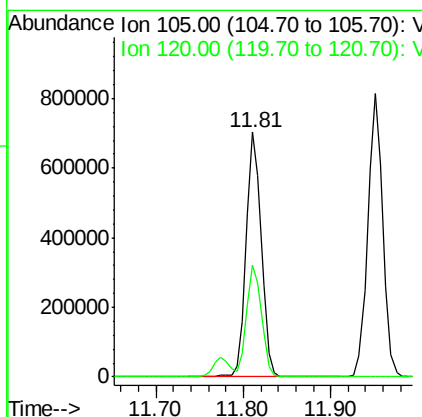
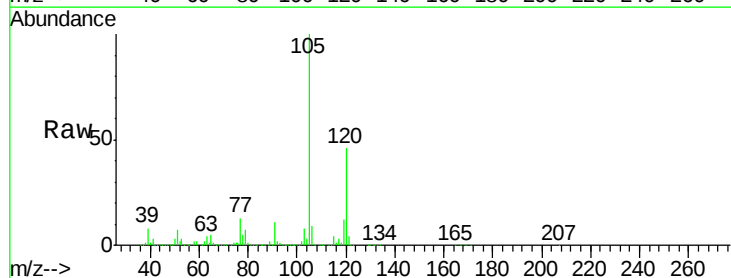
RT: 11.81 min Scan# 1841

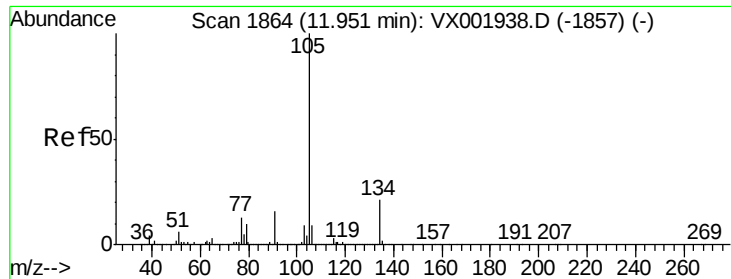
Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Tgt Ion:	105	Resp:	842834
Ion Ratio	Lower	Upper	
105	100		
120	44.8	22.1	66.5





#85

sec-Butylbenzene

Concen: 47.02 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 979227

Ion Ratio Lower Upper

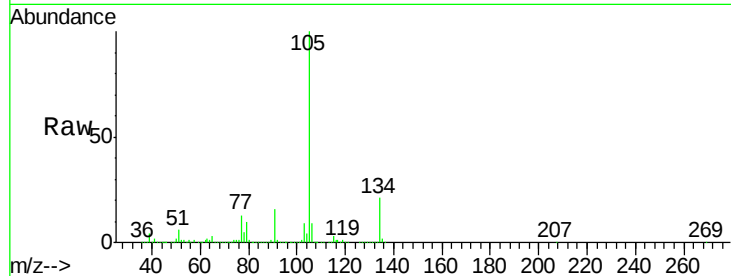
105 100

134 20.7 10.4 31.4

Manual Integrations
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5/30/2018 1:50:12 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

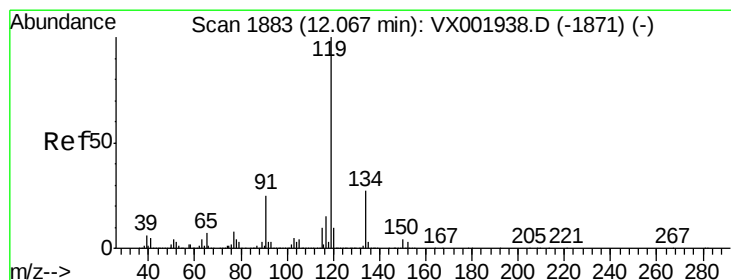
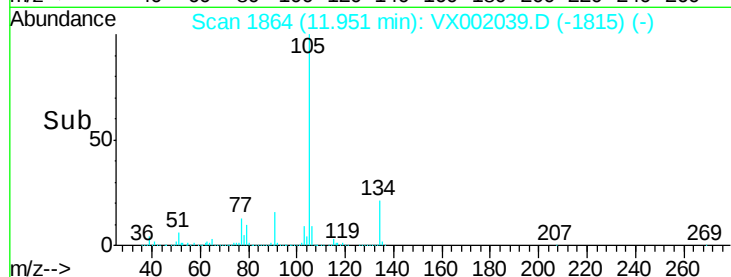
400000

200000

0

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 46.78 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

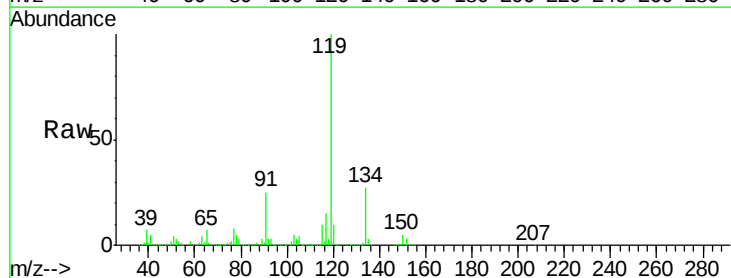
Tgt Ion:119 Resp: 871771

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 24.3 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

600000

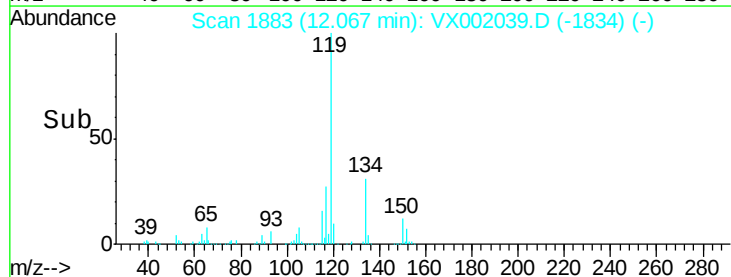
400000

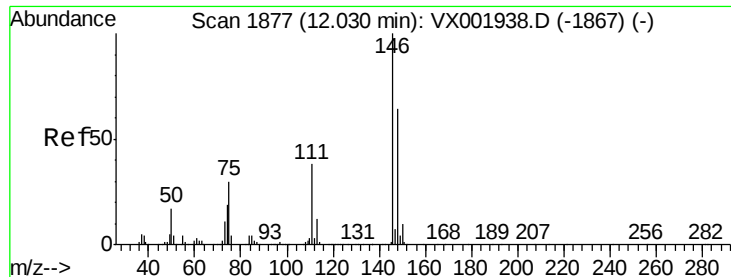
200000

0

12.00 12.10

Time-->





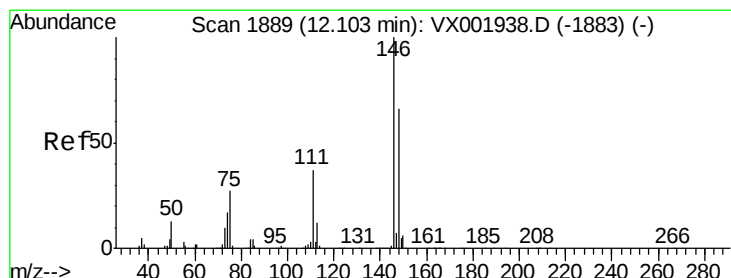
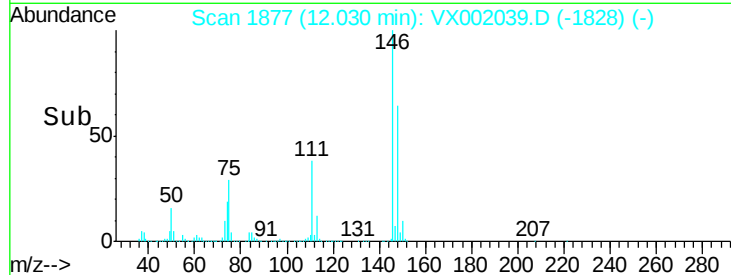
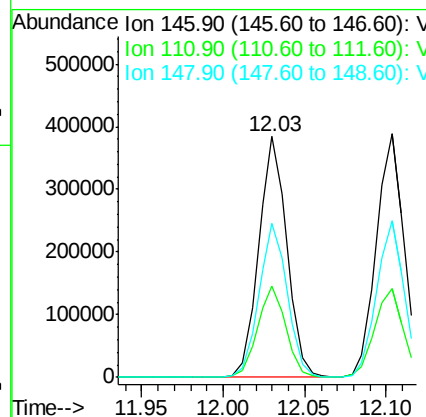
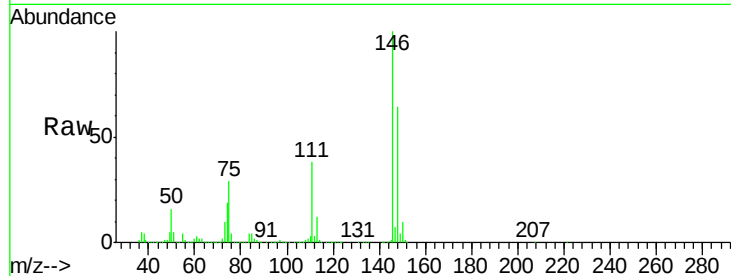
#87
 1,3-Dichlorobenzene
 Concen: 46.89 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002039.D
 Acq: 27 May 2018 00:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.8
148	64.2	32.1	96.3

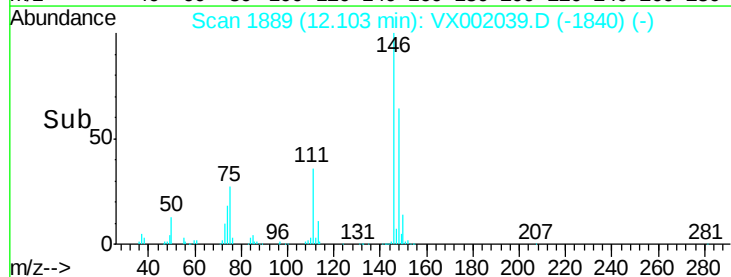
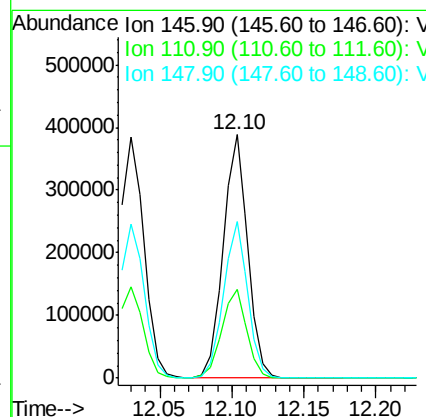
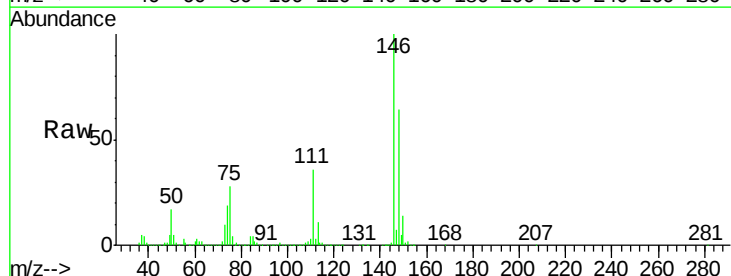
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 47.23 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002039.D
 Acq: 27 May 2018 00:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.5
148	63.7	32.3	96.8





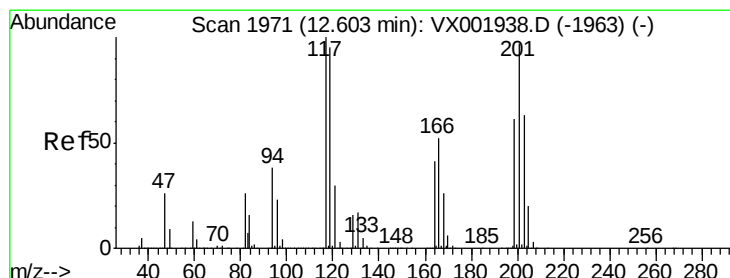
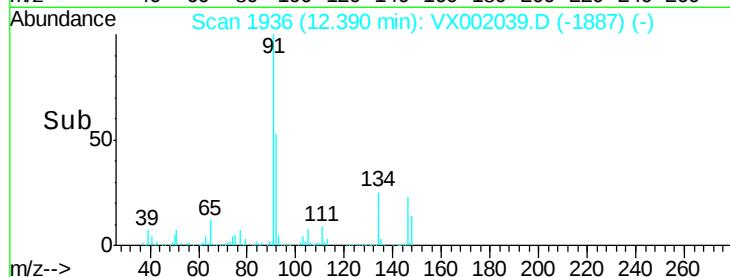
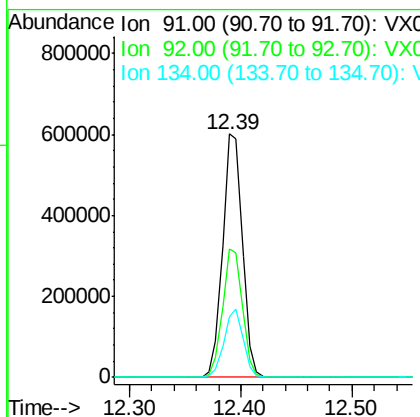
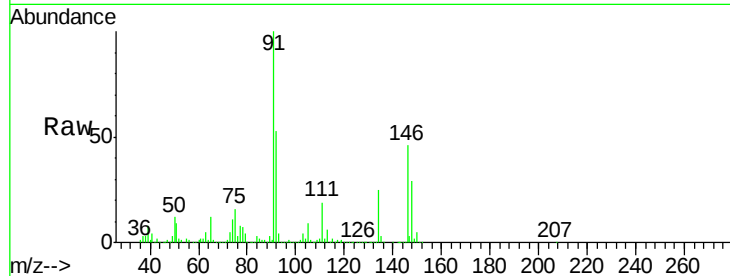
#89
n-Butylbenzene
Concen: 46.69 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.3	78.9
134	27.0	13.6	40.7

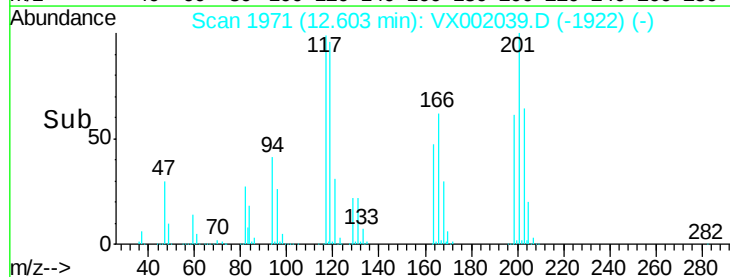
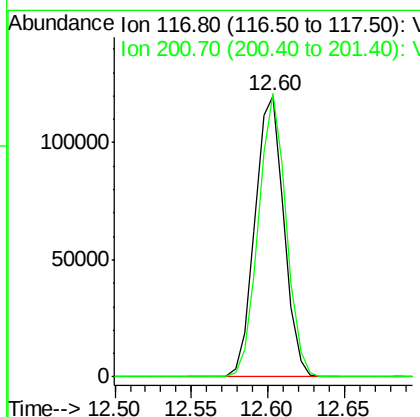
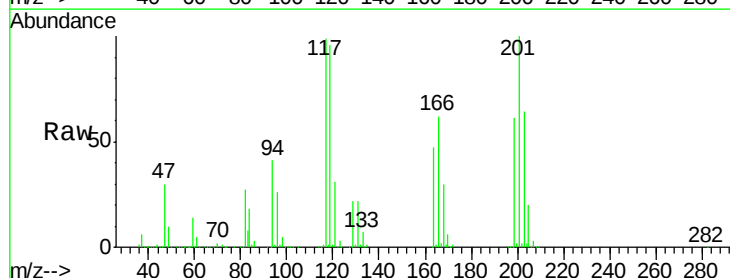
Manual Integrations
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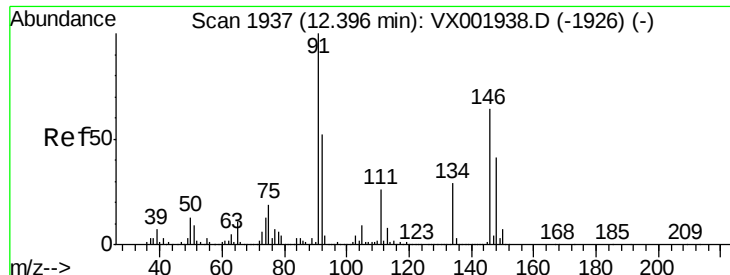
MMDadoda
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#90
Hexachloroethane
Concen: 42.87 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002039.D
Acq: 27 May 2018 00:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.9	48.0	144.0





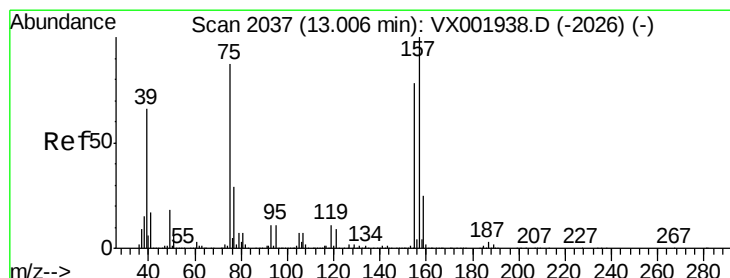
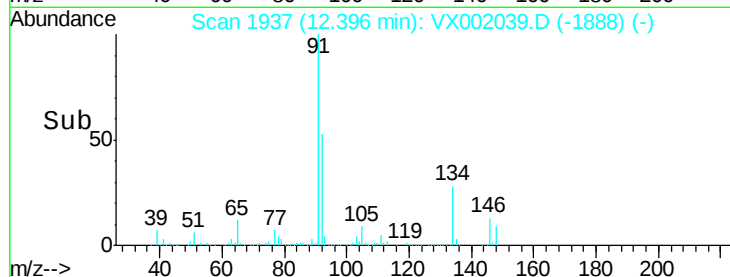
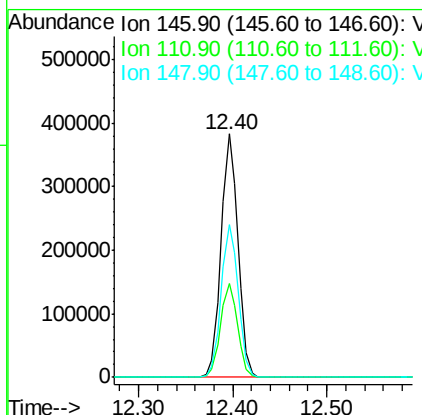
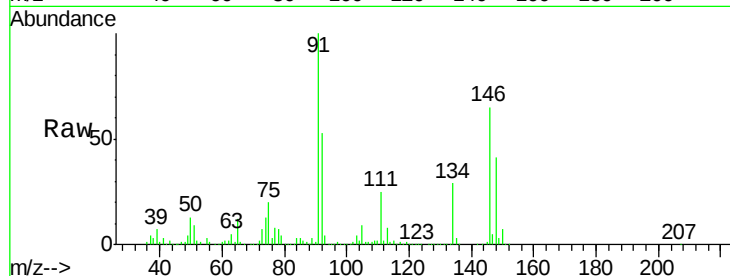
#91
 1,2-Dichlorobenzene
 Concen: 47.67 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002039.D
 Acq: 27 May 2018 00:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.8	59.3
148	63.4	32.1	96.5

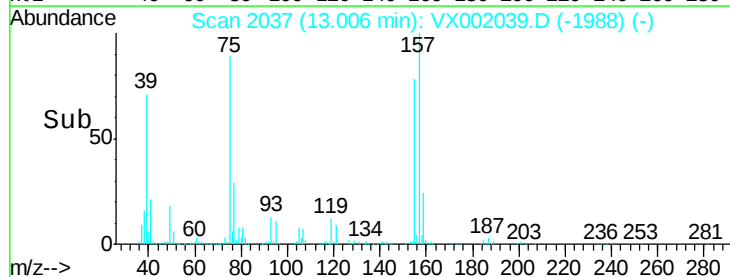
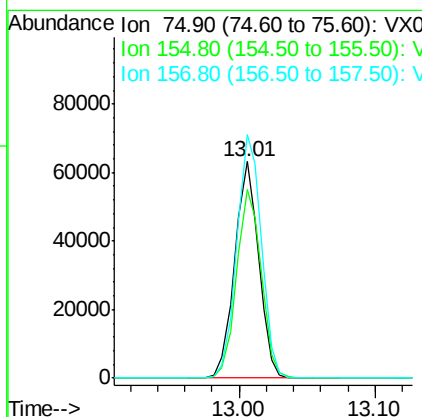
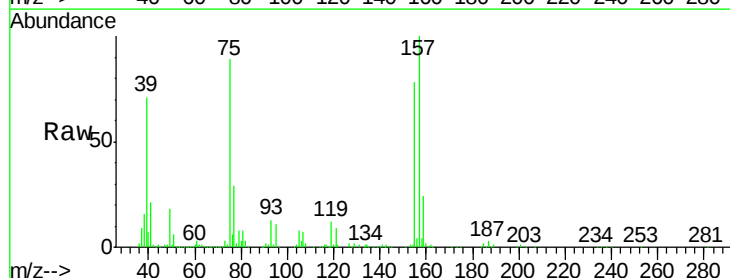
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.12 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002039.D
 Acq: 27 May 2018 00:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.1	45.1	135.2
157	115.1	58.1	174.2





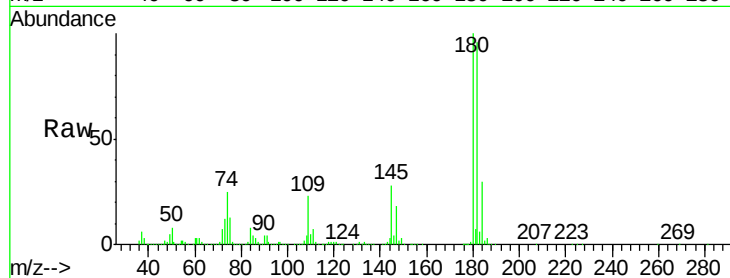
#93
 1,2,4-Trichlorobenzene
 Concen: 47.31 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002039.D
 Acq: 27 May 2018 00:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

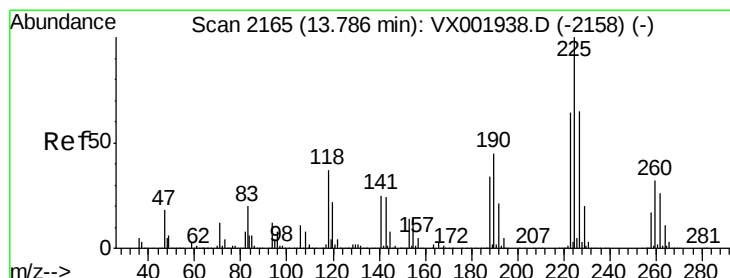
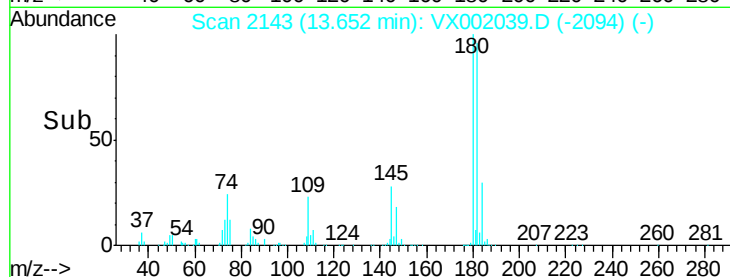
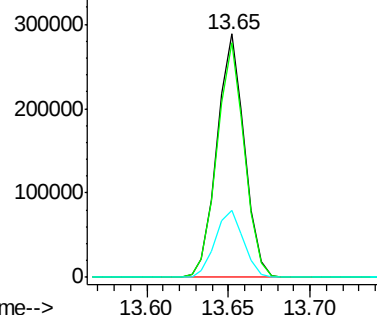
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.4	47.7	143.1	
145	28.6	14.4	43.0	

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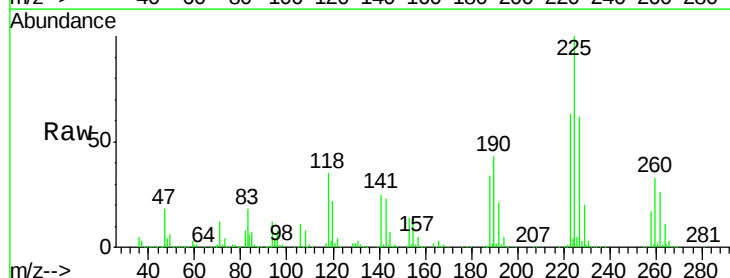


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

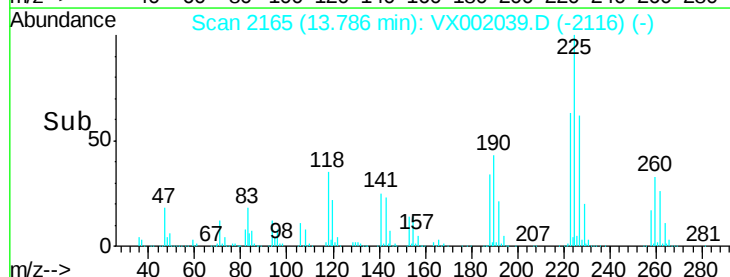
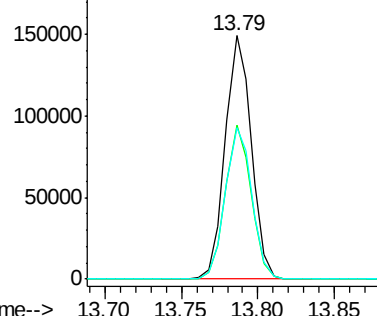


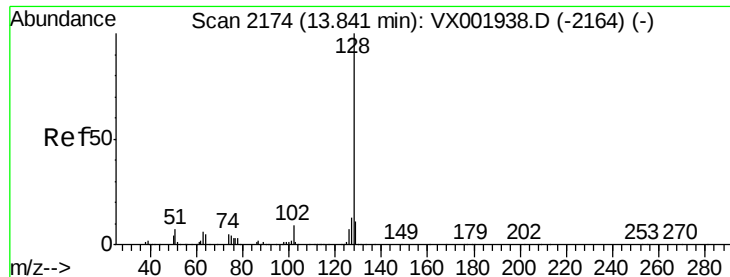
#94
 Hexachlorobutadiene
 Concen: 45.99 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002039.D
 Acq: 27 May 2018 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.6	31.1	93.5	
227	63.2	32.1	96.5	



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





#95

Naphthalene

Concen: 46.81 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1031315

Ion Ratio Lower Upper

128 100

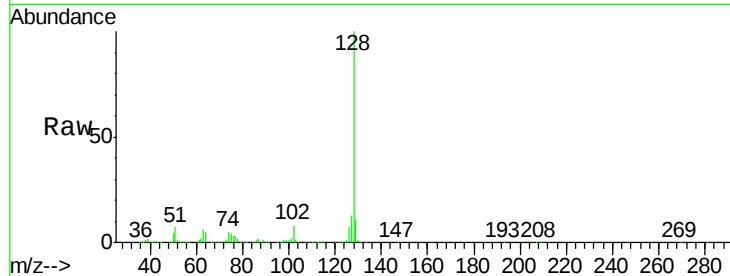
127 12.9 10.4 15.6

129 10.9 8.8 13.2

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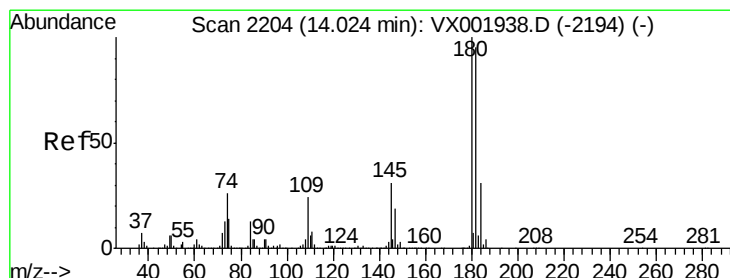
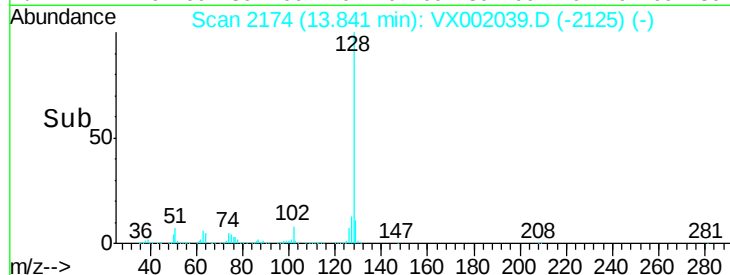
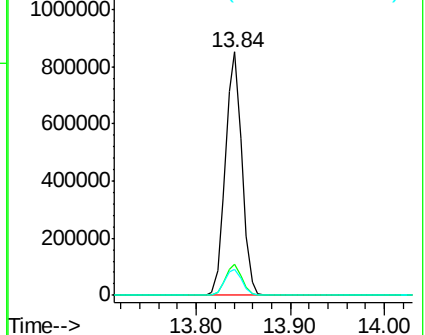
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.41 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002039.D

Acq: 27 May 2018 00:46

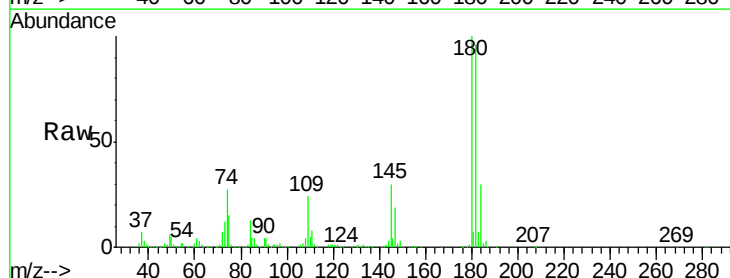
Tgt Ion:180 Resp: 350817

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.6

145 29.9 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

