

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050918\
 Data File : VX001554.D
 Acq On : 09 May 2018 13:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/10/2018 1:51:58 PM

Quant Time: May 10 04:38:33 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	234192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	296485	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	285686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	208343	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	162254	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
35) Dibromofluoromethane	5.51	113	132221	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	8.72	98	483932	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	11.14	95	183311	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	161558	51.25	ug/l	100
3) Chloromethane	1.32	50	149053	48.55	ug/l	98
4) Vinyl Chloride	1.40	62	158350	49.42	ug/l	100
5) Bromomethane	1.64	94	76247	52.13	ug/l	98
6) Chloroethane	1.72	64	104868	49.51	ug/l	100
7) Trichlorofluoromethane	1.93	101	250826	52.01	ug/l	100
8) Diethyl Ether	2.19	74	94993	50.26	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	145594	51.50	ug/l	99
10) Methyl Iodide	2.51	142	209321	51.31	ug/l	99
11) Tert butyl alcohol	3.08	59	182313	256.89	ug/l	100
12) 1,1-Dichloroethene	2.37	96	131178	50.62	ug/l	99
13) Acrolein	2.29	56	31091	220.87	ug/l	97
14) Allyl chloride	2.73	41	252141	52.18	ug/l	99
15) Acrylonitrile	3.15	53	409646	255.44	ug/l	100
16) Acetone	2.45	43	406262	265.80	ug/l	100
17) Carbon Disulfide	2.57	76	319332	48.42	ug/l	100
18) Methyl Acetate	2.78	43	218800	54.49	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	469918	52.08	ug/l	100
20) Methylene Chloride	2.86	84	149266	49.32	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	141195	48.82	ug/l	96
22) Diisopropyl ether	3.88	45	465338	51.55	ug/l	99
23) Vinyl Acetate	3.83	43	1946755	258.75	ug/l	99
24) 1,1-Dichloroethane	3.70	63	262848	52.12	ug/l	100
25) 2-Butanone	4.71	43	586681	265.54	ug/l	98
26) 2,2-Dichloropropane	4.59	77	216901	55.70	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	161047	52.29	ug/l	97
28) Bromochloromethane	5.03	49	115668	52.90	ug/l	98
29) Tetrahydrofuran	5.17	42	366335	259.14	ug/l	100
30) Chloroform	5.22	83	277378	53.40	ug/l	99
31) Cyclohexane	5.57	56	226071	52.20	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	246249	54.24	ug/l	99
36) 1,1-Dichloropropene	5.81	75	200781	53.24	ug/l	99
37) Ethyl Acetate	4.87	43	218534	52.86	ug/l	99
38) Carbon Tetrachloride	5.79	117	225561	56.08	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	238646	53.52	ug/l	98
40) Benzene	6.15	78	594379	53.96	ug/l	99
41) Methacrylonitrile	5.07	41	125531	53.07	ug/l	99
42) 1,2-Dichloroethane	6.20	62	232251	54.86	ug/l	100
43) Isopropyl Acetate	6.48	43	351509	55.39	ug/l	100
44) Trichloroethene	7.22	130	183391	54.47	ug/l	99
45) 1,2-Dichloropropane	7.52	63	148643	54.13	ug/l	97
46) Dibromomethane	7.67	93	104891	53.95	ug/l	99
47) Bromodichloromethane	7.90	83	202342	56.24	ug/l	100
48) Methyl methacrylate	7.78	41	190482	55.12	ug/l	100
49) 1,4-Dioxane	7.76	88	78661	1053.59	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1186502	281.34	ug/l	100
52) Toluene	8.79	92	397174	55.14	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	239951	59.01	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	222843	52.87	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	158261	54.54	ug/l	98
56) Ethyl methacrylate	9.19	69	235735	56.36	ug/l	100
57) 1,3-Dichloropropane	9.38	76	259524	54.09	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	619593	301.99	ug/l	100
59) 2-Hexanone	9.51	43	902925	279.60	ug/l	100
60) Dibromochloromethane	9.59	129	169831	57.15	ug/l	99
61) 1,2-Dibromoethane	9.68	107	167542	54.99	ug/l	100
64) Tetrachloroethene	9.34	164	213690	53.66	ug/l	98
65) Chlorobenzene	10.15	112	446639	53.31	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	167681	55.95	ug/l	100
67) Ethyl Benzene	10.26	91	744651	54.22	ug/l	100
68) m/p-Xylenes	10.37	106	597049	110.03	ug/l	99
69) o-Xylene	10.70	106	291199	55.22	ug/l	99
70) Styrene	10.72	104	485205	56.63	ug/l	99
71) Bromoform	10.87	173	139817	48.61	ug/l	100
73) Isopropylbenzene	11.02	105	786479	54.53	ug/l	100
74) N-amyl acetate	6.48	43	351509	53.66	ug/l #	99
75) 1,1,1,2-Tetrachloroethane	11.27	83	227802	53.48	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	228992m	54.19	ug/l	
77) Bromobenzene	11.26	156	218559	52.12	ug/l	99
78) n-propylbenzene	11.37	91	873820	55.64	ug/l	99
79) 2-Chlorotoluene	11.43	91	520037	53.81	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	659455	54.92	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	65430	49.43	ug/l	100
82) 4-Chlorotoluene	11.52	91	606413	54.39	ug/l	99
83) tert-Butylbenzene	11.77	119	644494	53.94	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	674271	54.63	ug/l	100
85) sec-Butylbenzene	11.95	105	795904	55.50	ug/l	100
86) p-Isopropyltoluene	12.07	119	736550	55.98	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	398475	53.16	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	403179	52.74	ug/l	100
89) n-Butylbenzene	12.40	91	608524	55.82	ug/l	99
90) Hexachloroethane	12.60	117	112278	56.68	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	404787	53.08	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	52518	56.11	ug/l	99

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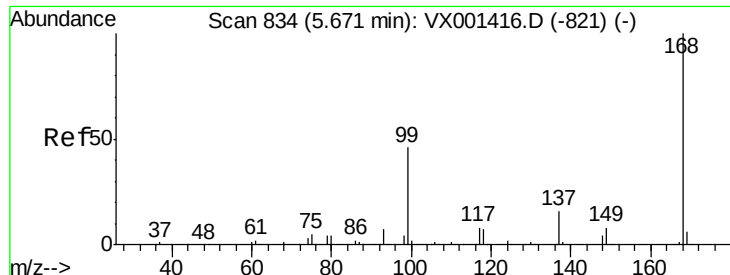
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	306706	54.96	ug/l	99
94) Hexachlorobutadiene	13.79	225	168178	55.08	ug/l	98
95) Naphthalene	13.84	128	871080	56.44	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	315309	55.07	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: VX001554.D

Acq: 09 May 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 234192

Ion Ratio Lower Upper

168 100

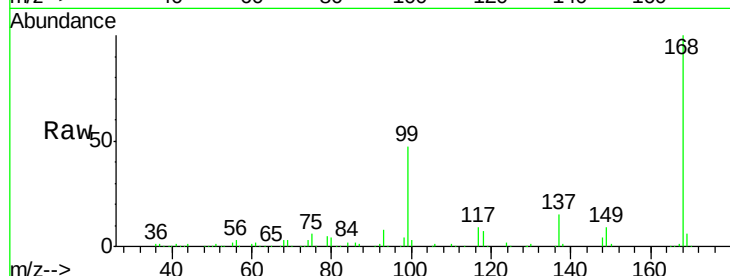
99 47.0 36.6 54.8

Manual Integrations

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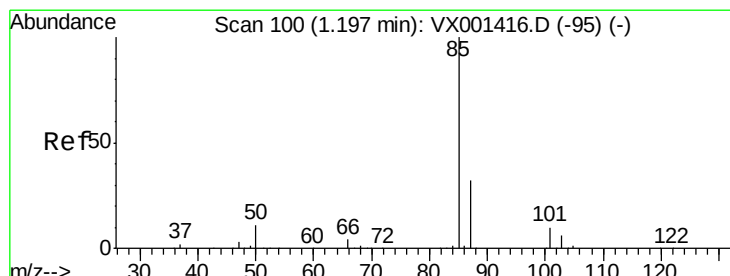
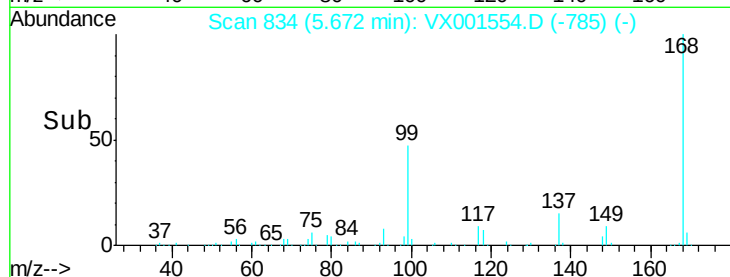
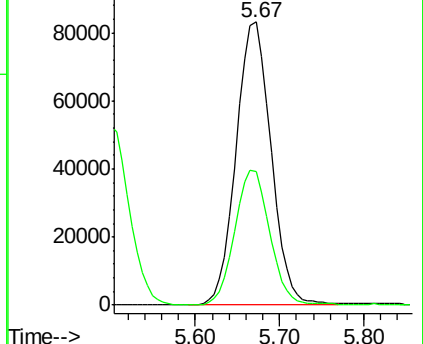
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 51.25 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001554.D

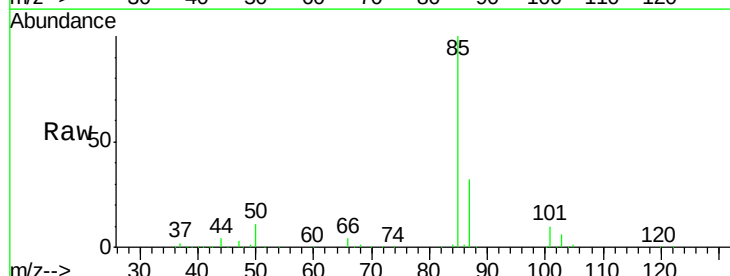
Acq: 09 May 2018 13:38

Tgt Ion: 85 Resp: 161558

Ion Ratio Lower Upper

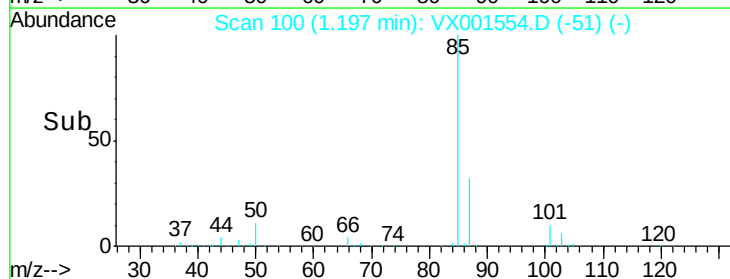
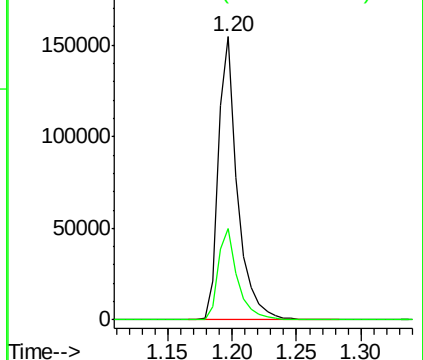
85 100

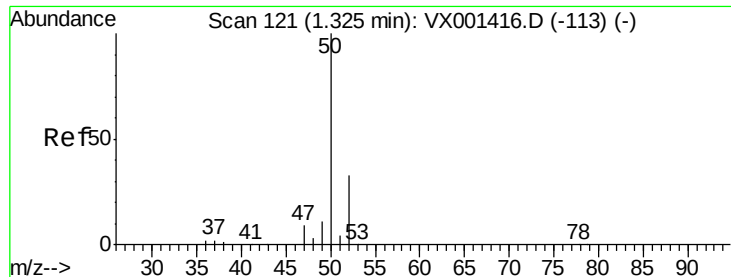
87 32.3 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 48.55 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 149053

Ion Ratio Lower Upper

50 100

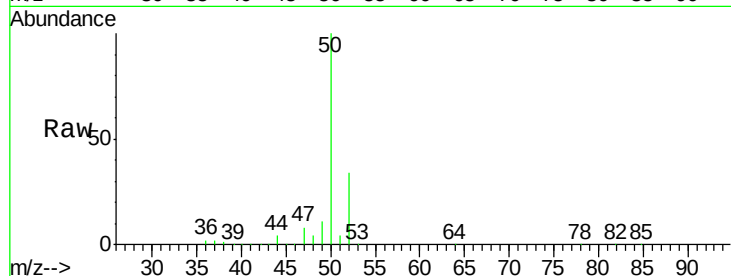
52 33.8 26.2 39.4

Manual Integrations

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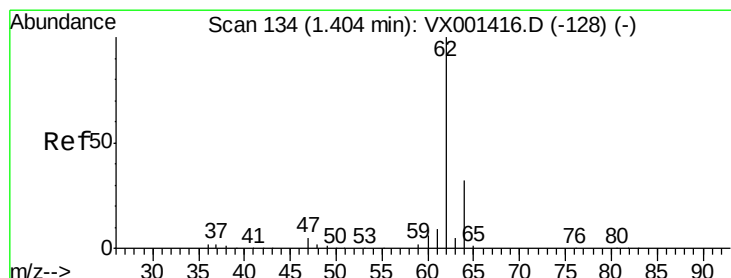
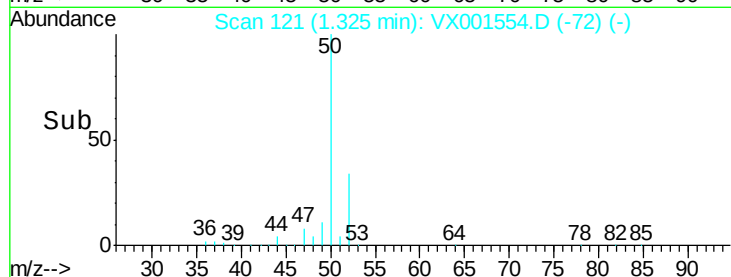
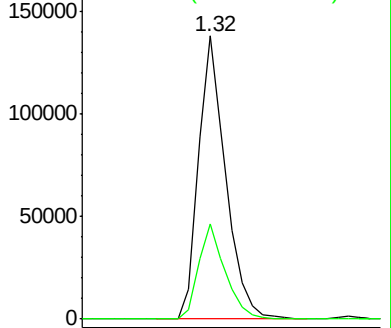
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.42 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001554.D

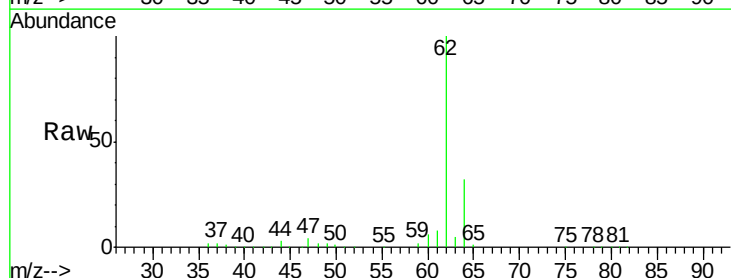
Acq: 09 May 2018 13:38

Tgt Ion: 62 Resp: 158350

Ion Ratio Lower Upper

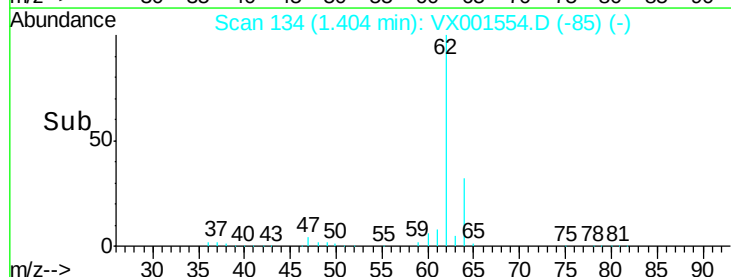
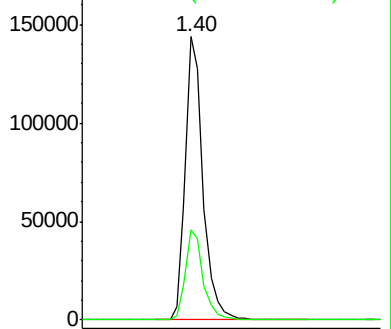
62 100

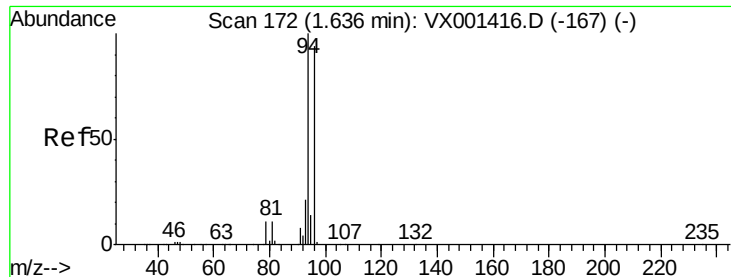
64 32.0 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 52.13 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 76247

Ion Ratio Lower Upper

94 100

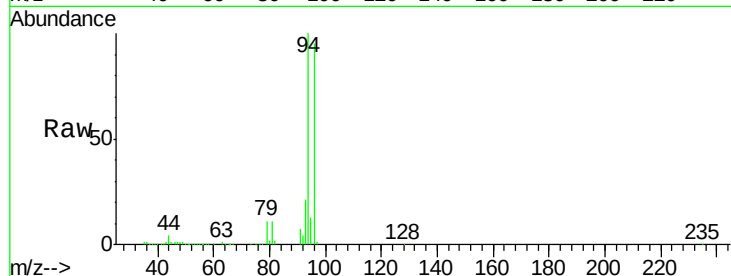
96 95.3 75.0 112.6

Manual Integrations

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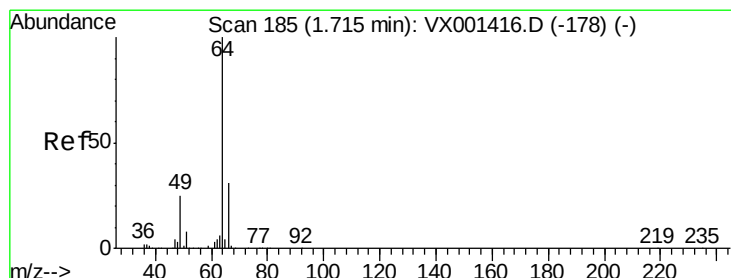
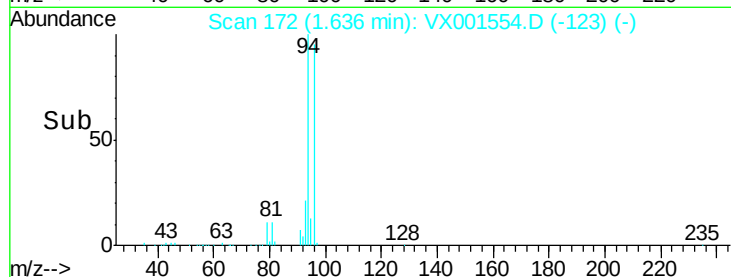
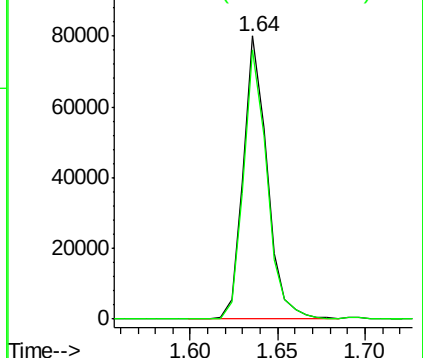
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.51 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX001554.D

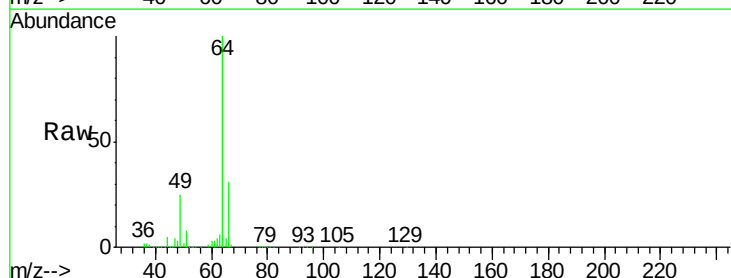
Acq: 09 May 2018 13:38

Tgt Ion: 64 Resp: 104868

Ion Ratio Lower Upper

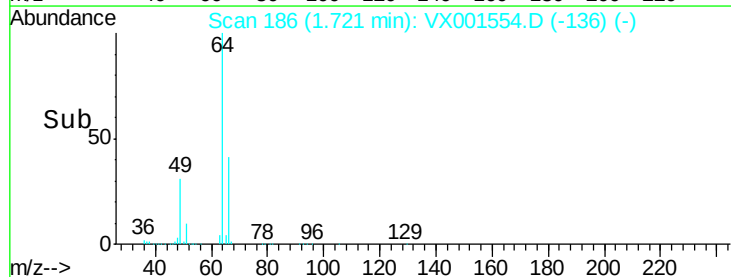
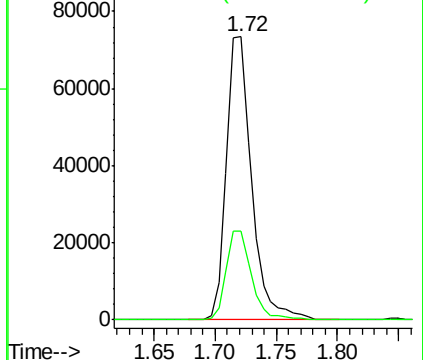
64 100

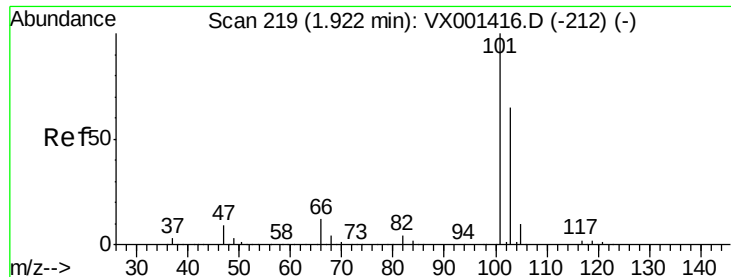
66 31.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

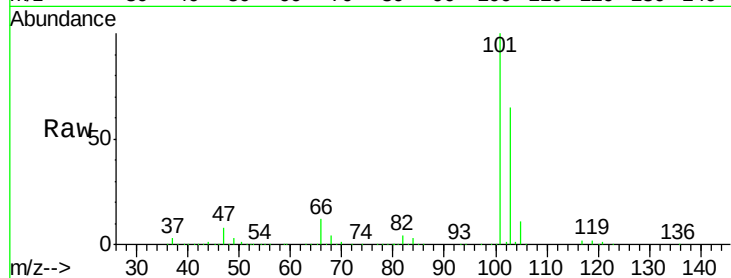
Trichlorofluoromethane
Concen: 52.01 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX001554.D
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VSTDCCC050

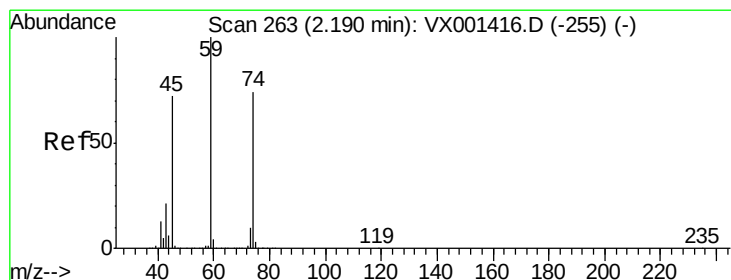
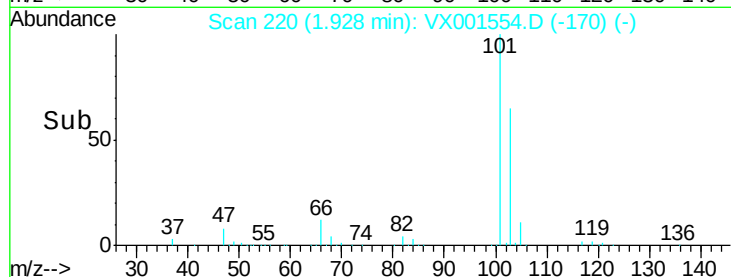
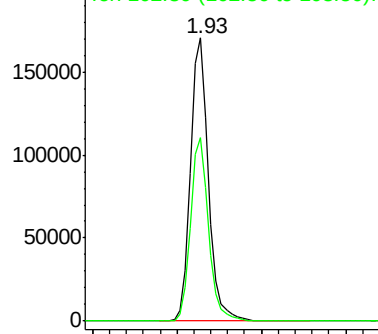
Tot Ion:101 Resp: 250826
Ion Ratio Lower Upper
101 100
103 64.8 52.0 78.0

Manual Integrations
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5/10/2018 1:51:58 PM



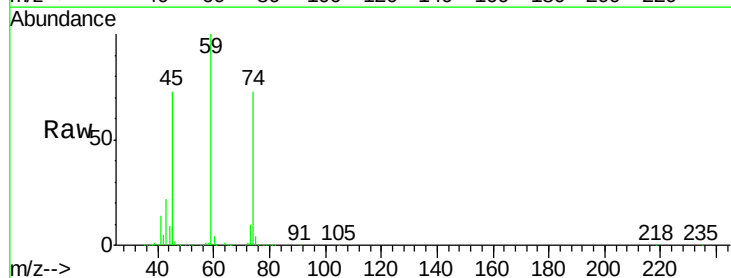
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



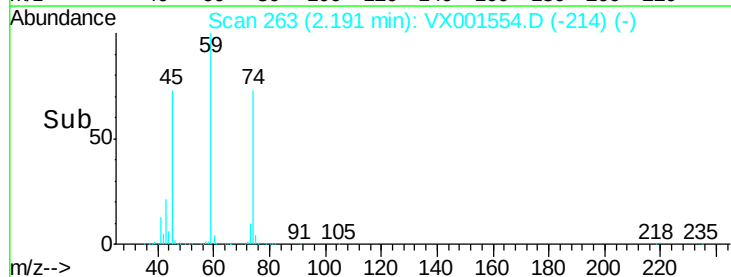
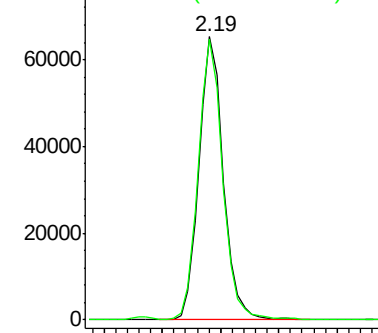
#8

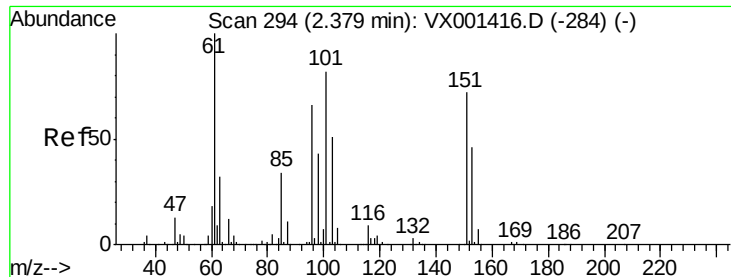
Diethyl Ether
Concen: 50.26 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Tgt Ion: 74 Resp: 94993
Ion Ratio Lower Upper
74 100
45 98.8 47.9 143.6



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.50 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Instrument :

MSVOA_X

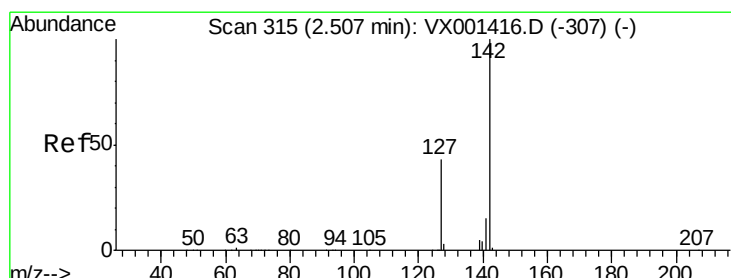
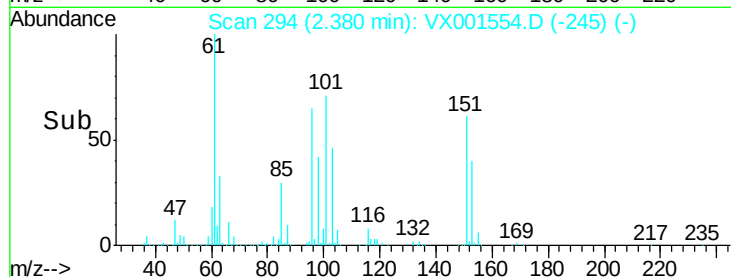
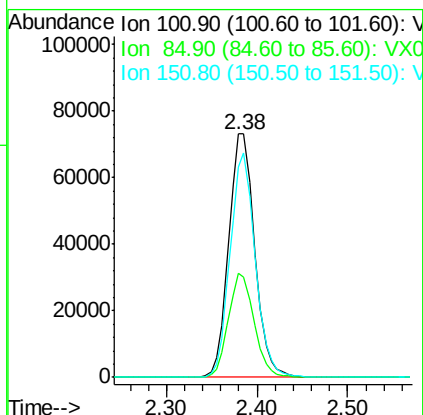
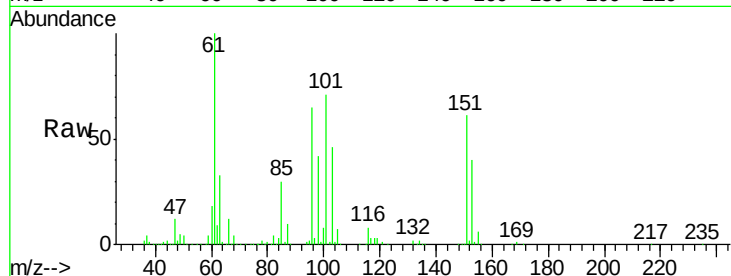
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	145594
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.7	50.5
151	89.3	72.3	108.5

Manual Integrations
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#10

Methyl Iodide

Concen: 51.31 ug/l

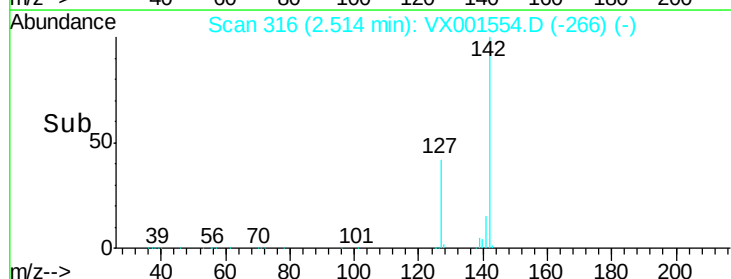
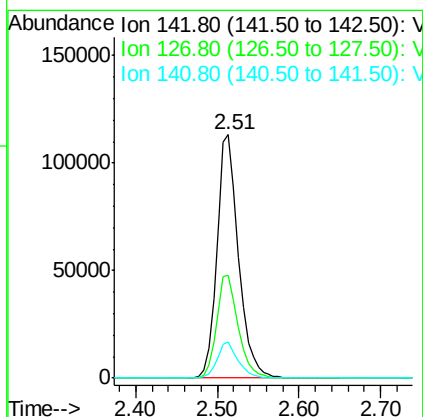
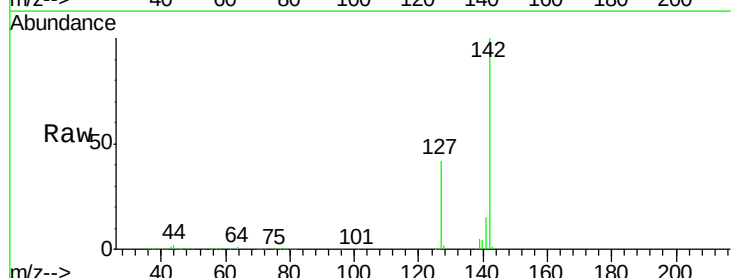
RT: 2.51 min Scan# 316

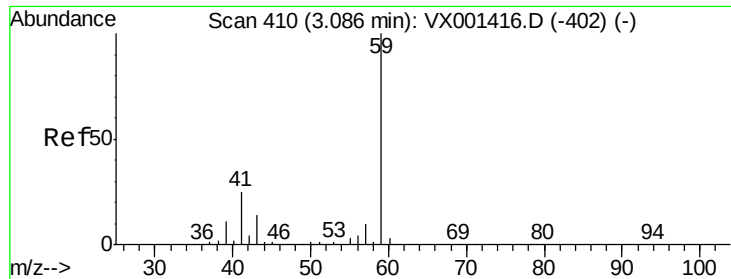
Delta R.T. 0.01 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Tgt Ion:	142	Resp:	209321
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.6	50.4
141	14.5	11.4	17.2





#11

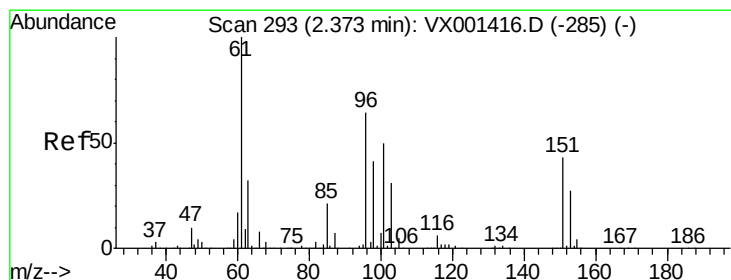
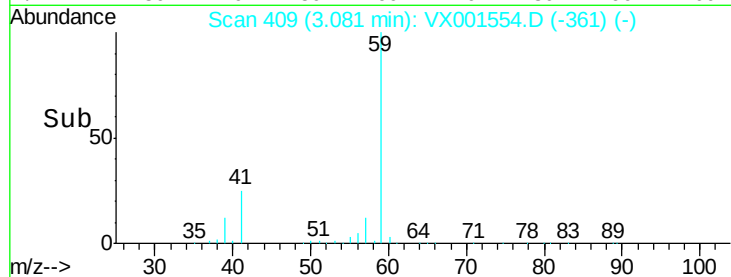
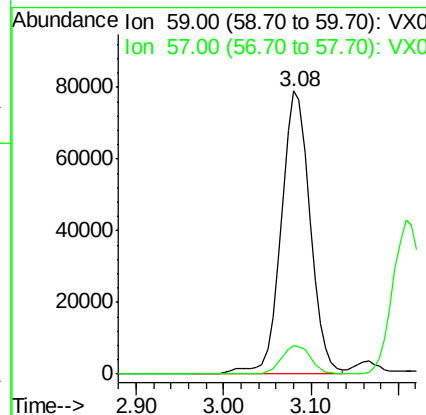
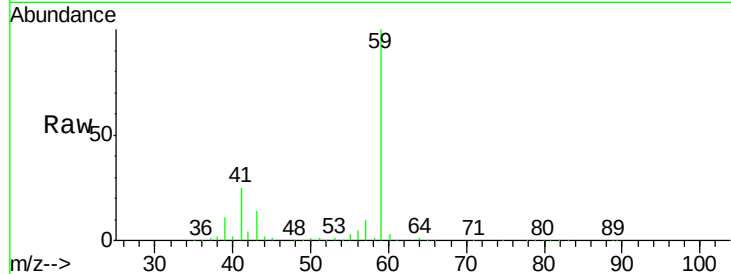
Tert butyl alcohol
 Concen: 256.89 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

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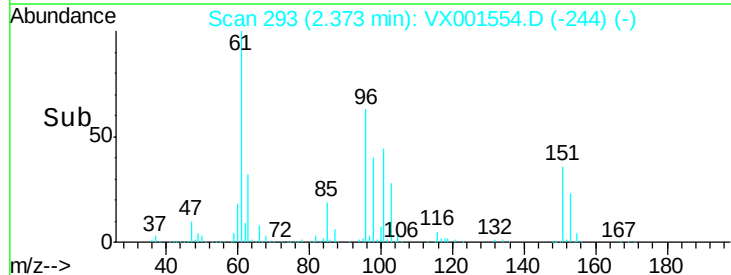
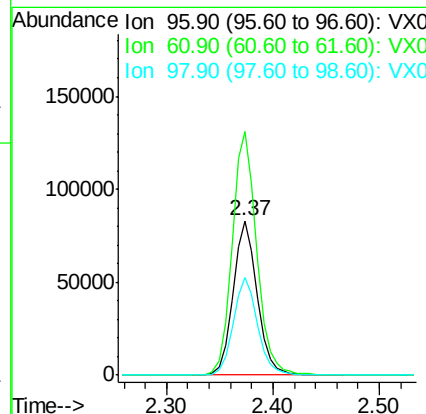
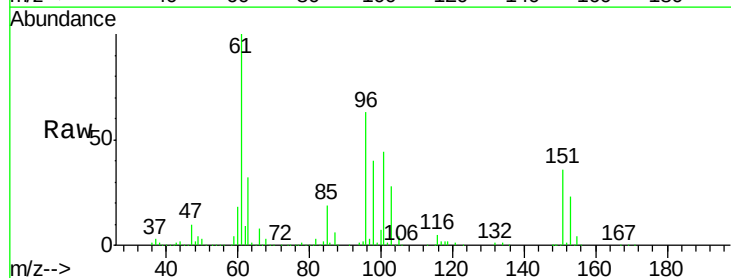
MMDadoda
 5/10/2018 1:51:58 PM

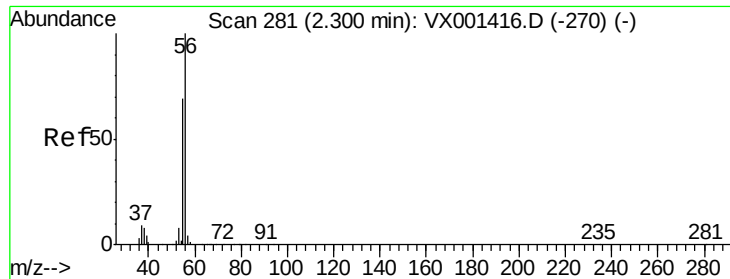


#12

1,1-Dichloroethene
 Concen: 50.62 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.1	125.7	188.5
98	63.5	52.0	78.0





#13

Acrolein

Concen: 220.87 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 31091

Ion Ratio Lower Upper

56 100

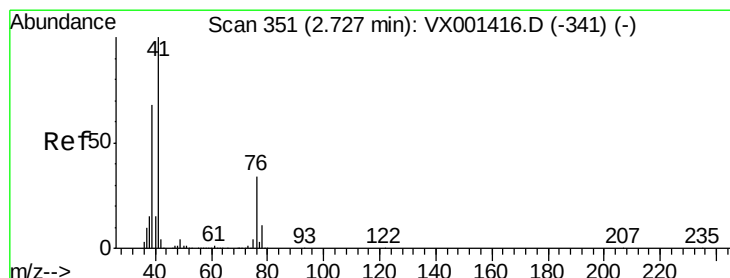
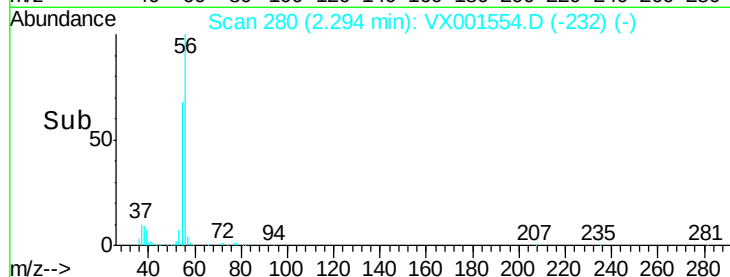
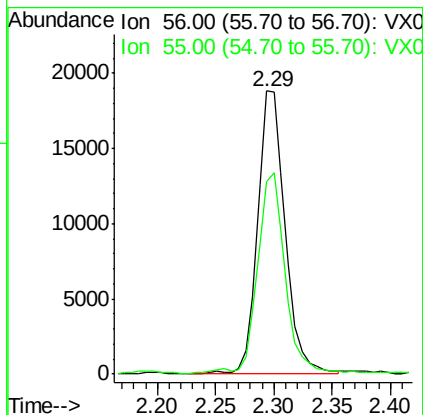
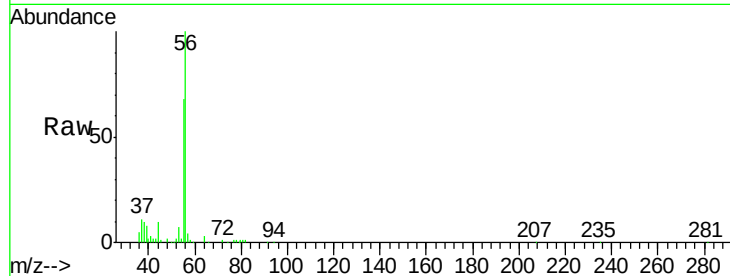
55 70.5 54.5 81.7

Manual Integrations

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#14

Allyl chloride

Concen: 52.18 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

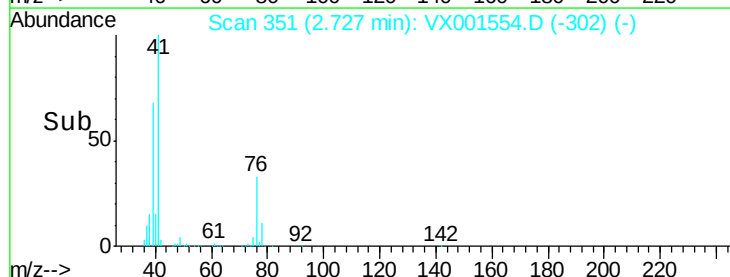
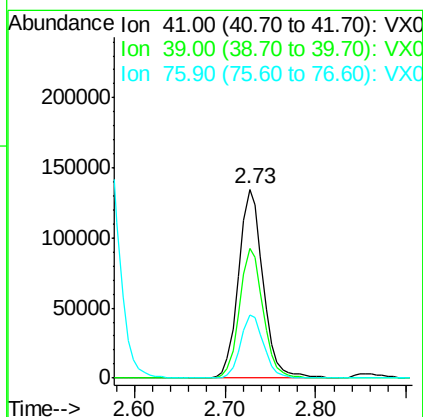
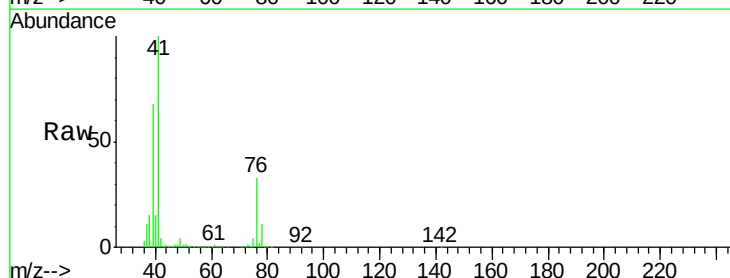
Tgt Ion: 41 Resp: 252141

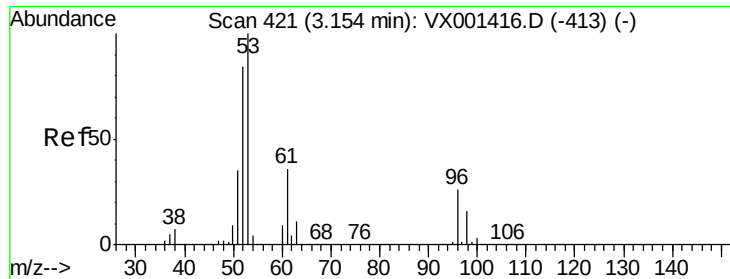
Ion Ratio Lower Upper

41 100

39 66.1 52.4 78.6

76 31.9 25.8 38.6





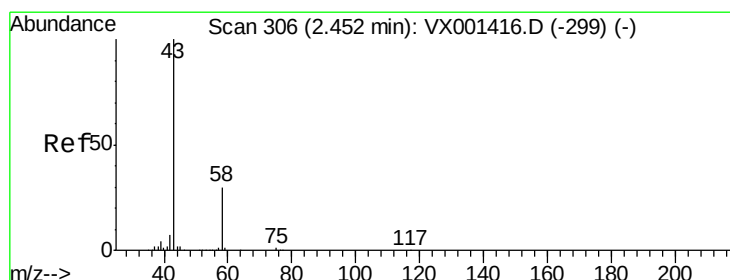
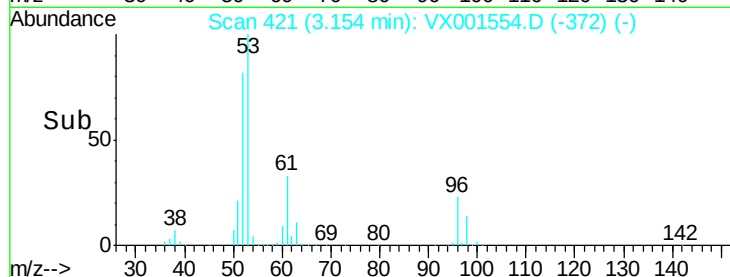
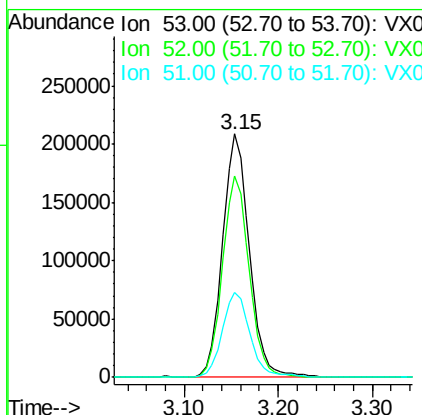
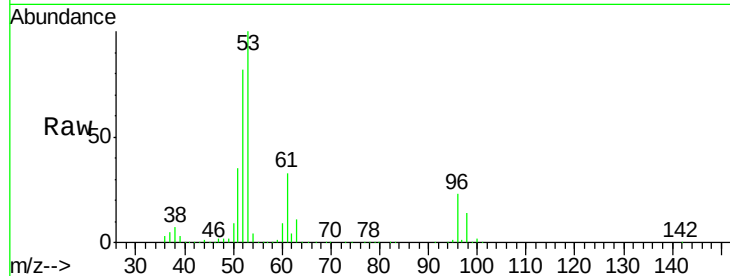
#15
 Acrylonitrile
 Concen: 255.44 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. 0.00 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.5	28.6	43.0

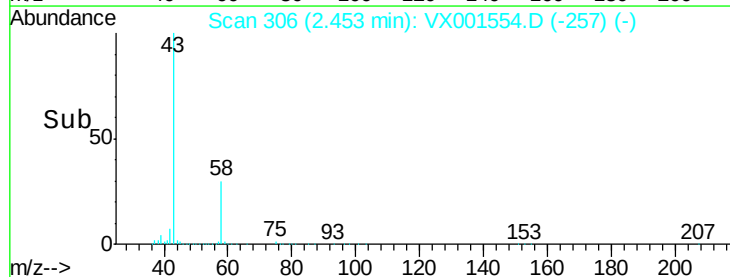
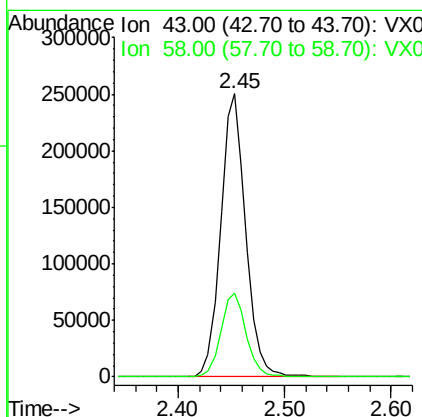
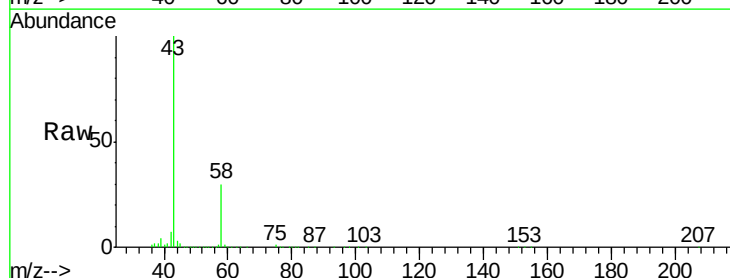
Manual Integrations
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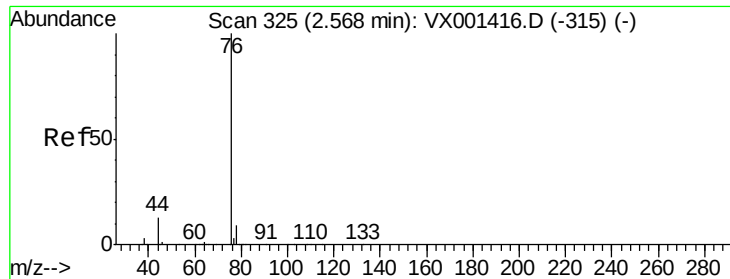
MMDadoda
 5/10/2018 1:51:58 PM



#16
 Acetone
 Concen: 265.80 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. 0.00 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.8	35.8





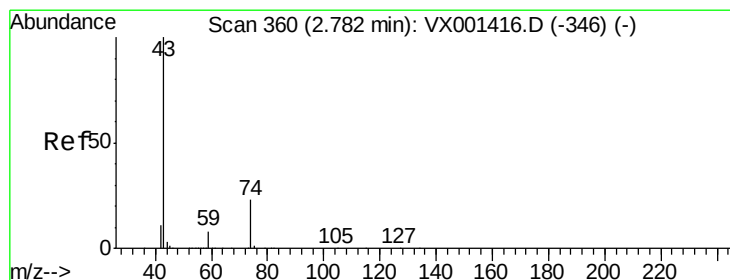
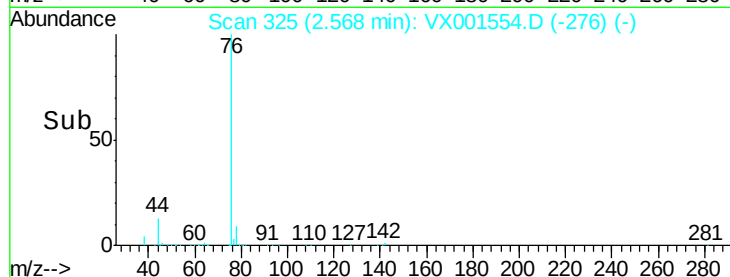
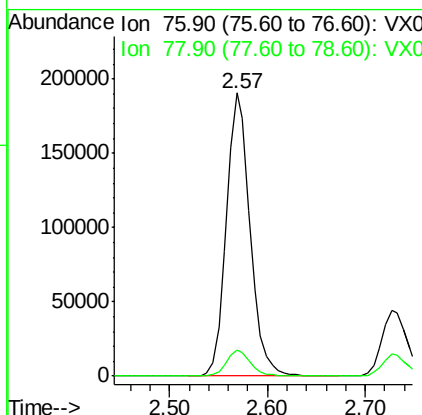
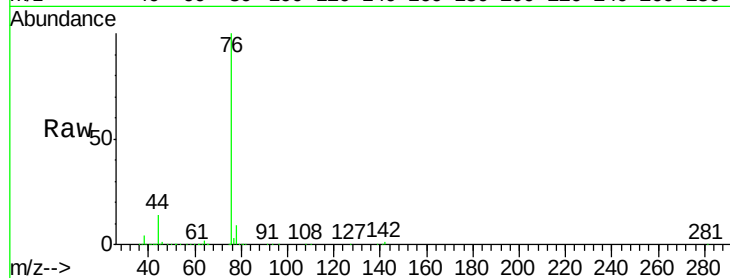
#17
Carbon Disulfide
Concen: 48.42 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

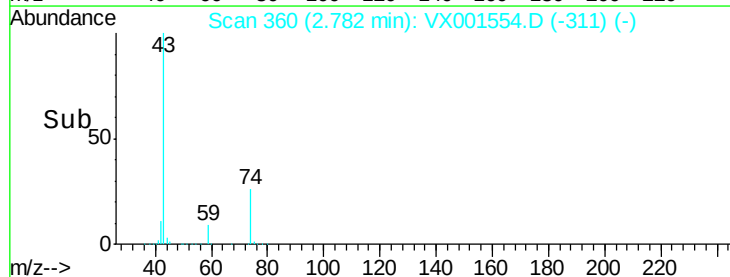
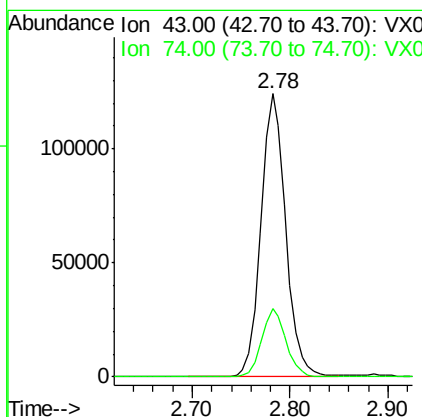
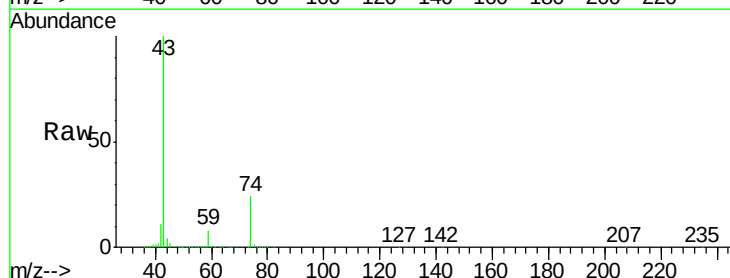
Manual Integrations
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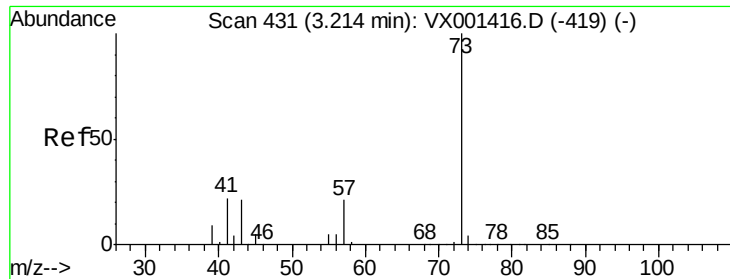
MMDadoda
5/10/2018 1:51:58 PM



#18
Methyl Acetate
Concen: 54.49 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	18.6	27.8





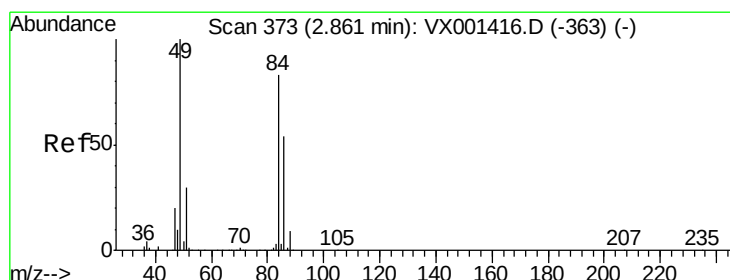
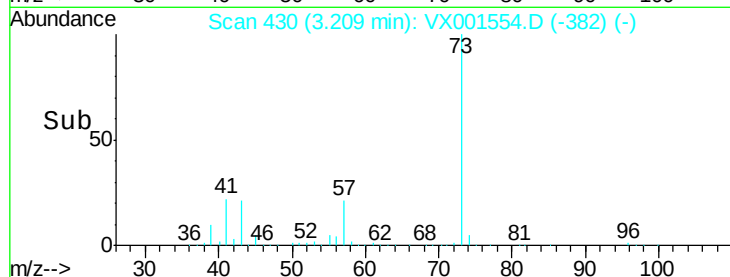
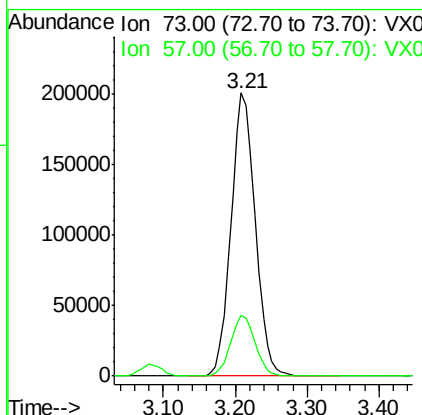
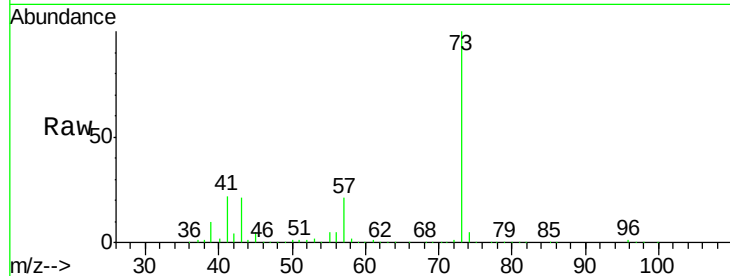
#19
Methyl tert-butyl Ether
Concen: 52.08 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	73	Resp	469918
Ion Ratio	100	Lower	Upper
57	21.4	17.0	25.6

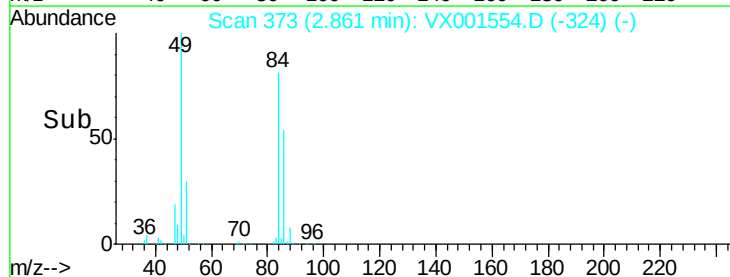
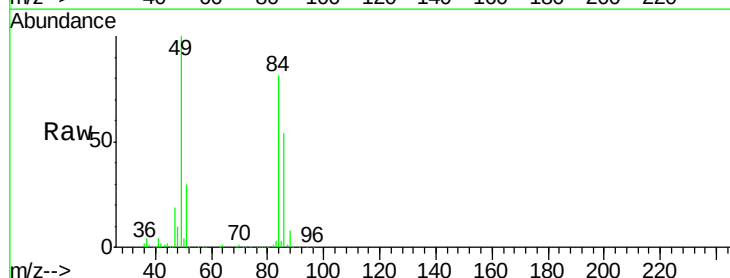
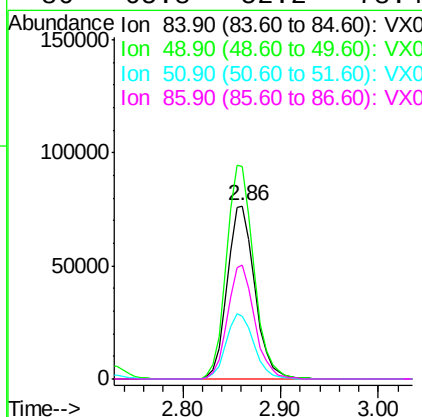
Manual Integrations
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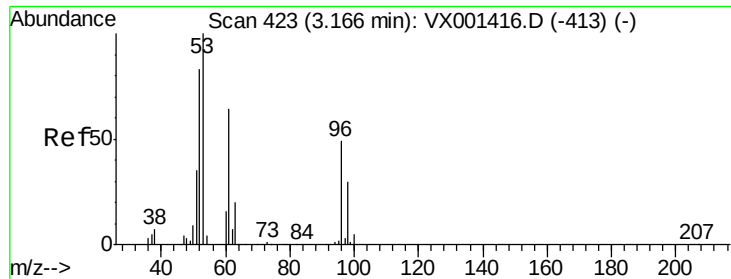
MMDadoda
5/10/2018 1:51:58 PM



#20
Methylene Chloride
Concen: 49.32 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Tgt Ion	84	Resp	149266
Ion Ratio	100	Lower	Upper
49	122.8	96.6	144.8
51	36.5	29.0	43.4
86	65.8	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 48.82 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Instrument :

MSVOA_X

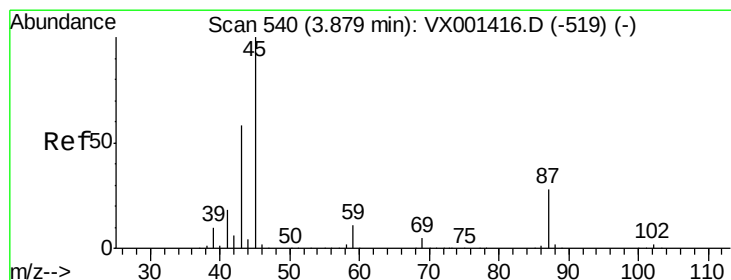
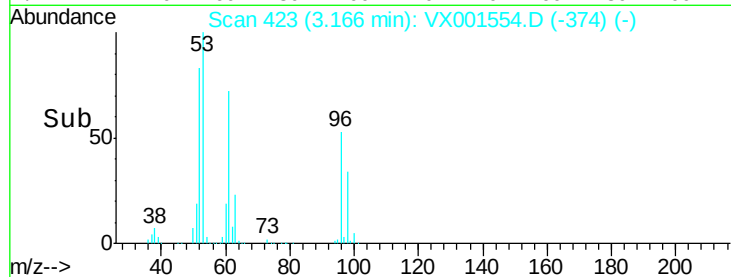
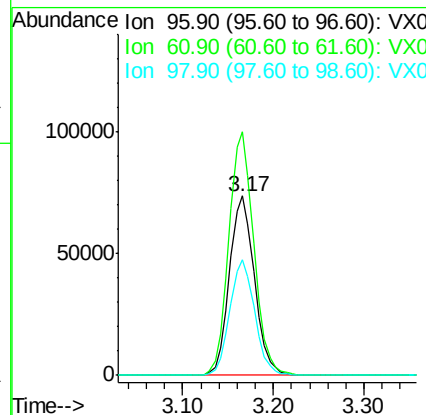
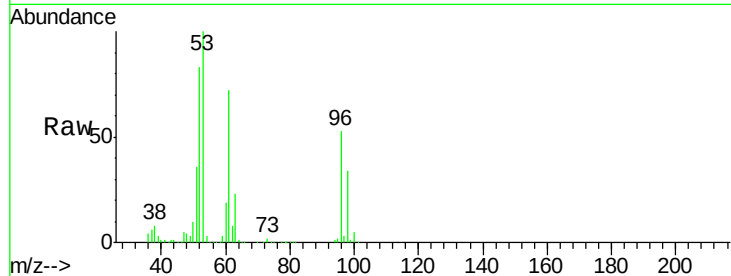
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	141195
Ion	Ratio	Lower	Upper
96	100		
61	135.9	105.0	157.4
98	64.5	49.9	74.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.55 ug/l

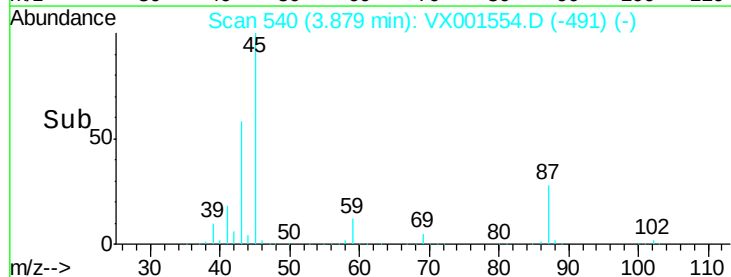
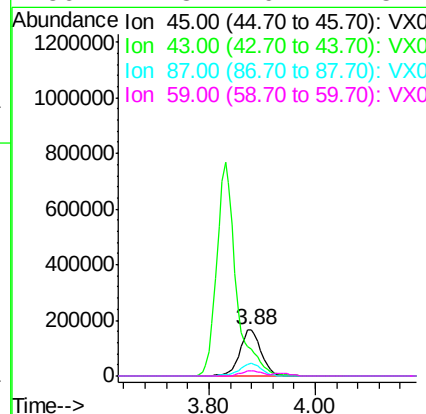
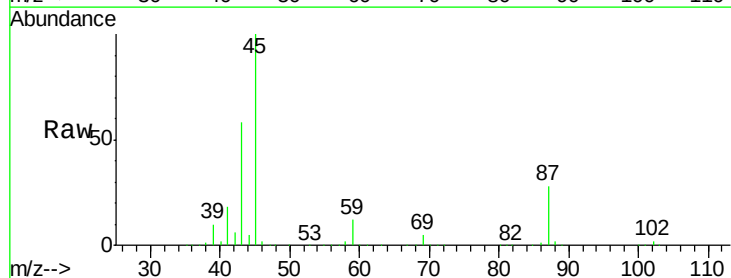
RT: 3.88 min Scan# 540

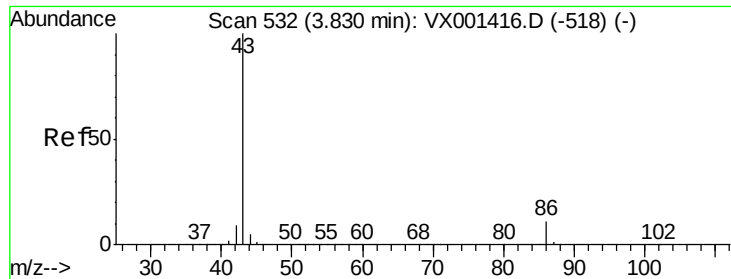
Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Tgt Ion:	45	Resp:	465338
Ion	Ratio	Lower	Upper
45	100		
43	57.8	46.5	69.7
87	27.7	22.6	34.0
59	11.8	9.1	13.7





#23

Vinyl Acetate

Concen: 258.75 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1946755

Ion Ratio Lower Upper

43 100

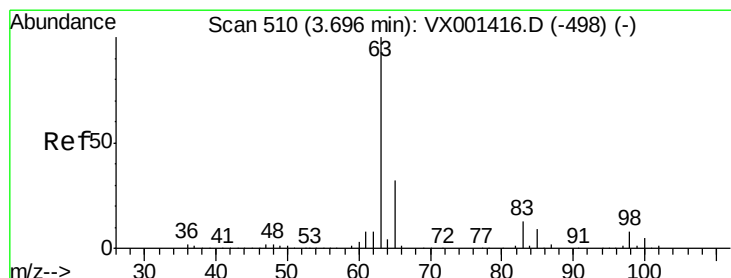
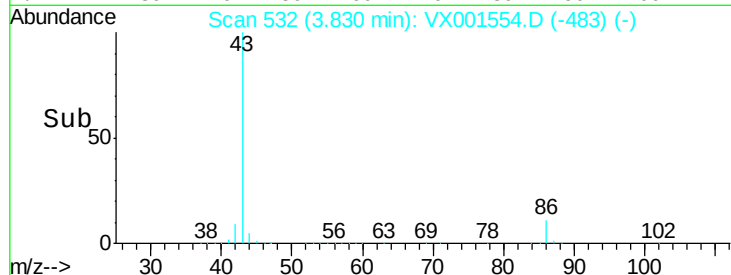
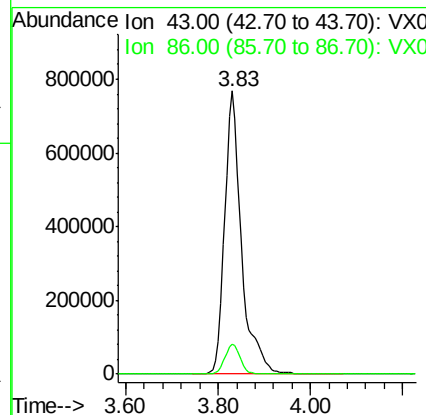
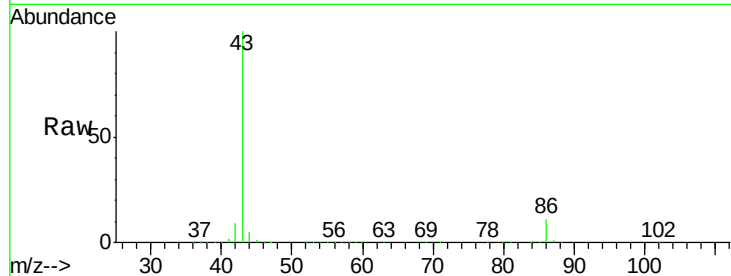
86 10.6 8.6 13.0

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 52.12 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

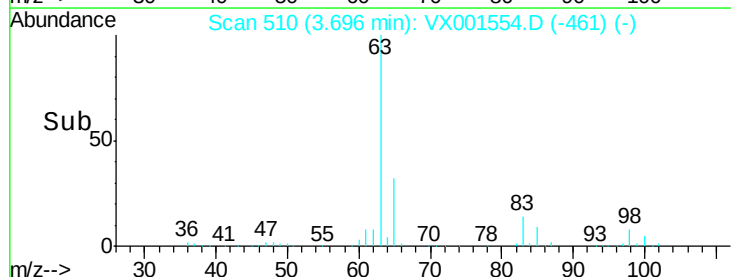
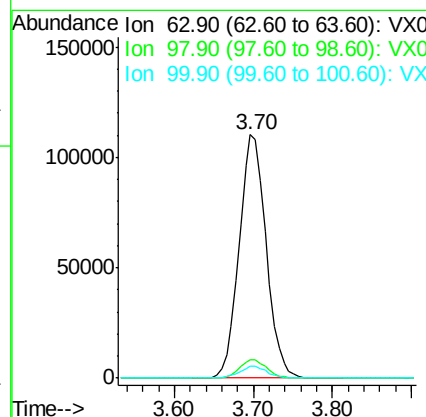
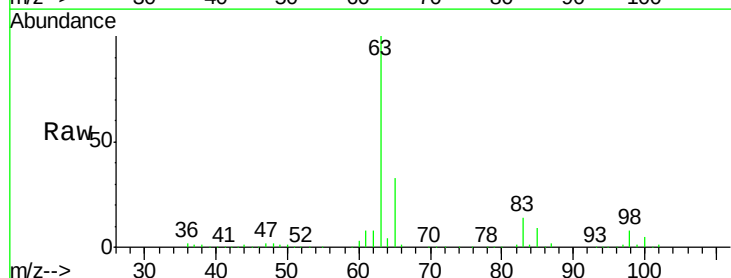
Tgt Ion: 63 Resp: 262848

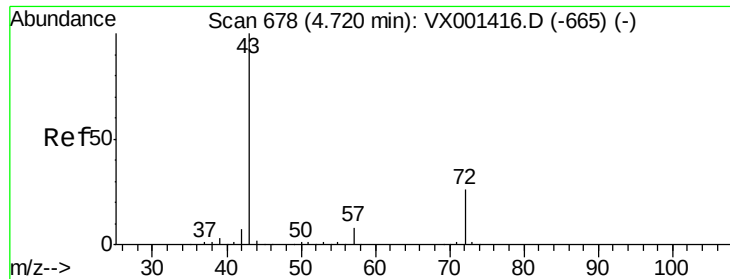
Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.4

100 4.7 2.4 7.1





#25

2-Butanone

Concen: 265.54 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Tot Ion: 43 Resp: 586681

Ion Ratio Lower Upper

43 100

72 25.1 20.7 31.1

Instrument :

MSVOA_X

ClientSampleId :

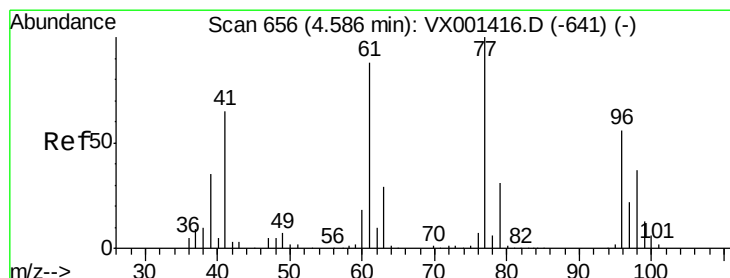
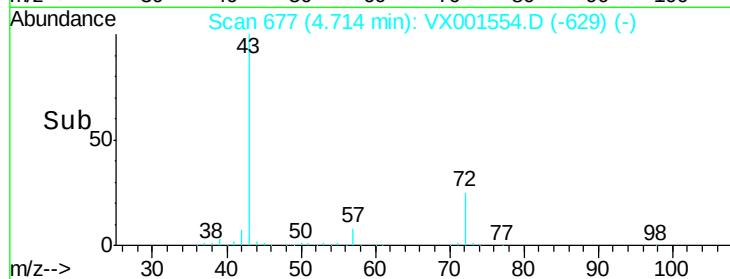
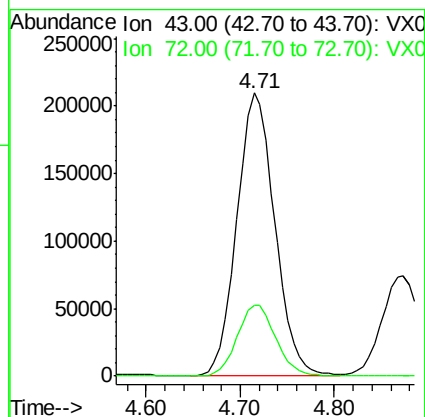
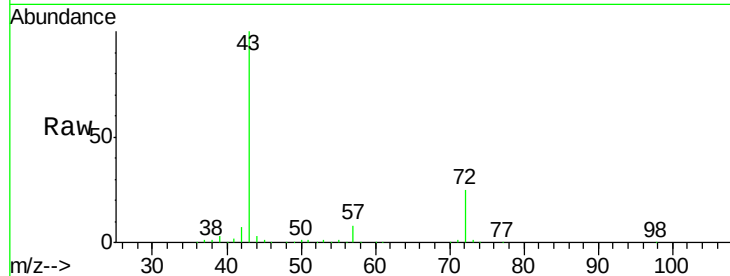
VSTDCCC050

Manual Integrations

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MMDadoda

5/10/2018 1:51:58 PM



#26

2,2-Dichloropropane

Concen: 55.70 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001554.D

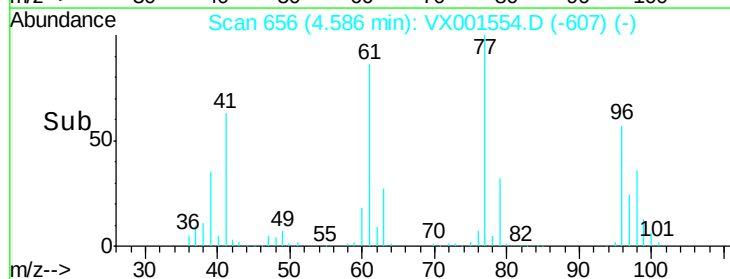
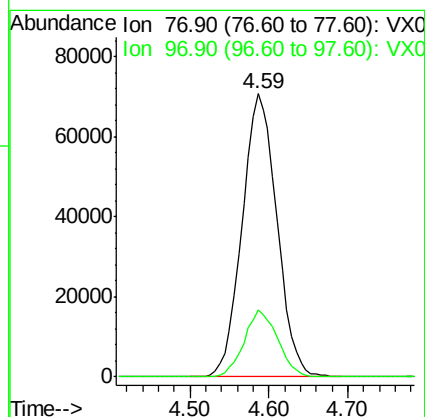
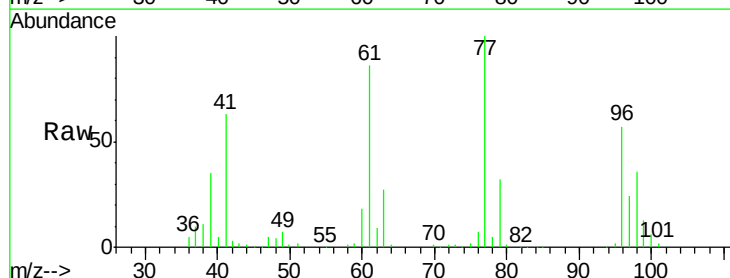
Acq: 09 May 2018 13:38

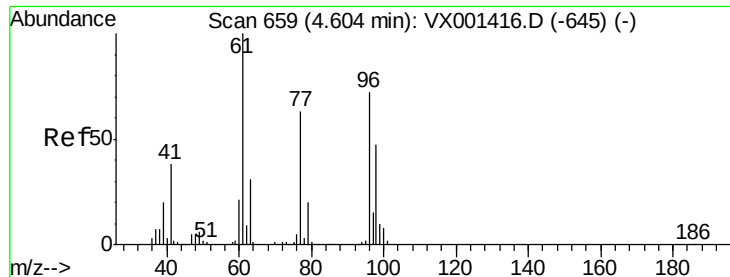
Tgt Ion: 77 Resp: 216901

Ion Ratio Lower Upper

77 100

97 22.8 11.2 33.6





#27

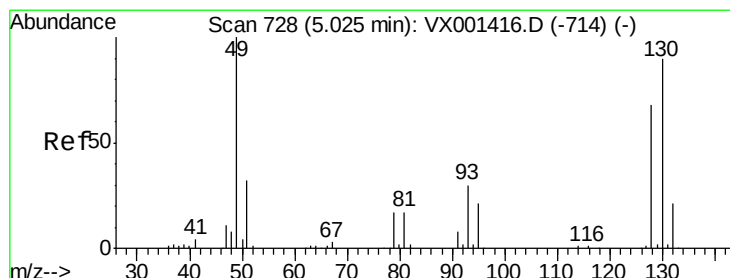
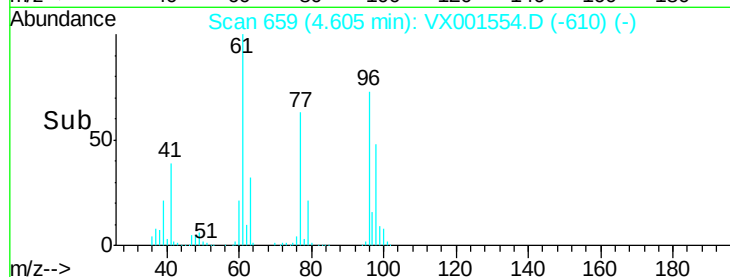
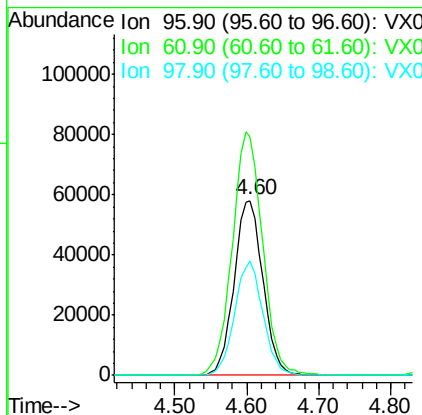
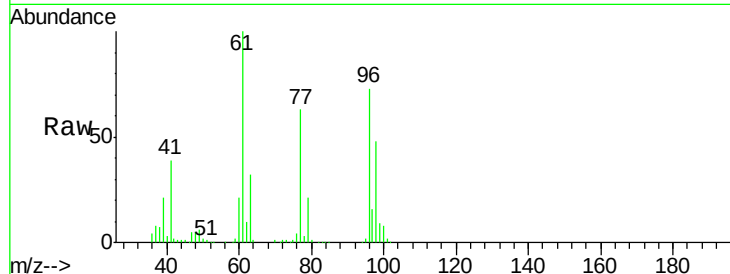
cis-1,2-Dichloroethene
Concen: 52.29 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.9	0.0	301.6
98	64.2	0.0	131.6

Manual Integrations
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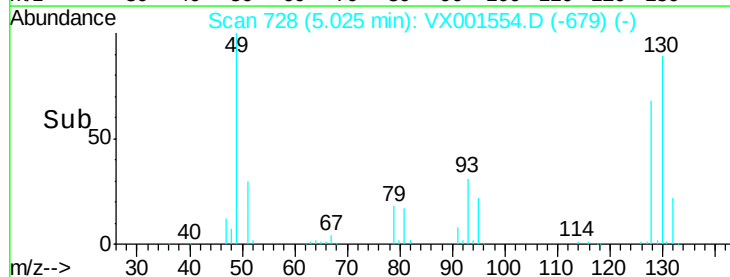
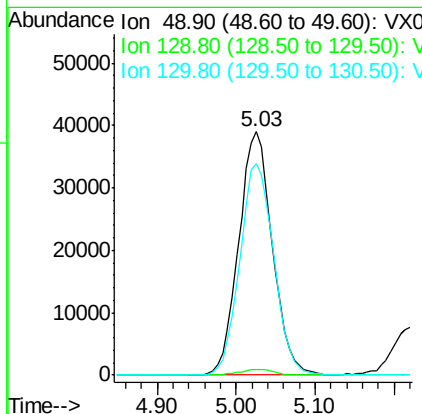
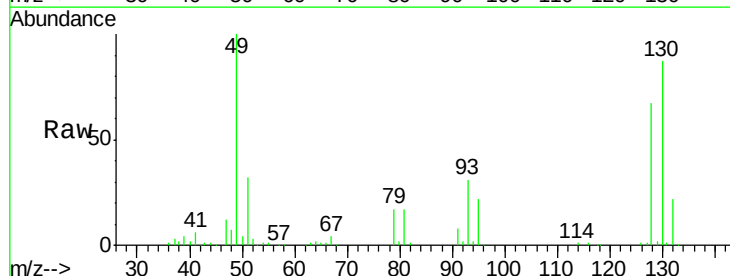
MMDadoda
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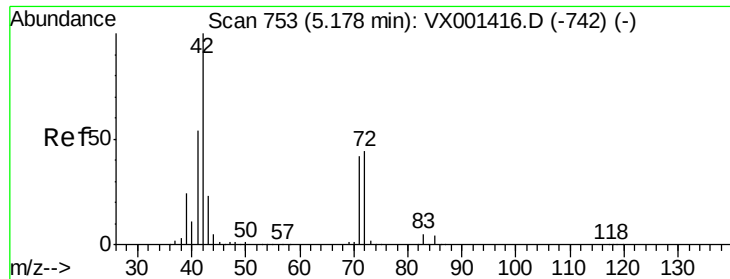


#28

Bromochloromethane
Concen: 52.90 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	88.0	71.9	107.9





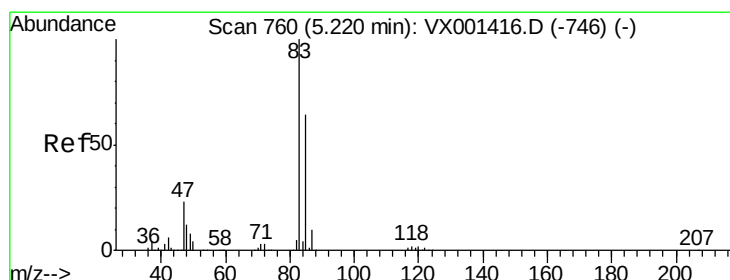
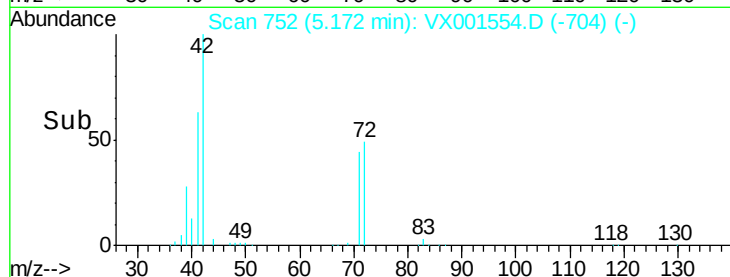
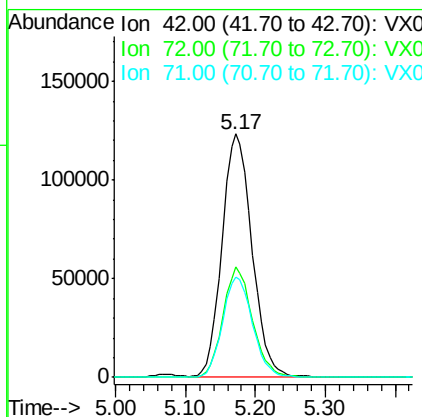
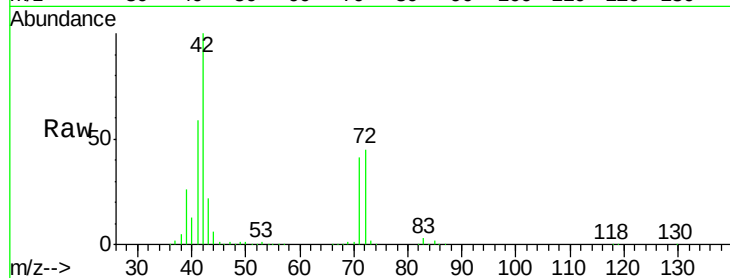
#29
Tetrahydrofuran
Concen: 259.14 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.4	53.2
71	41.2	33.0	49.4

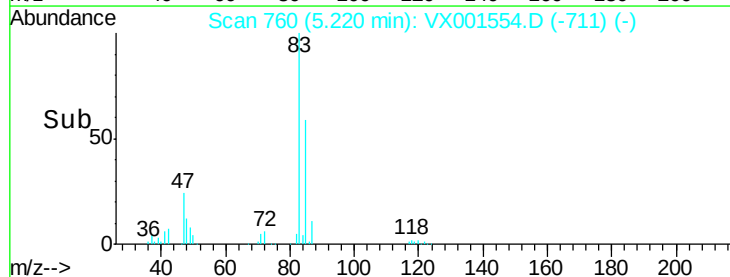
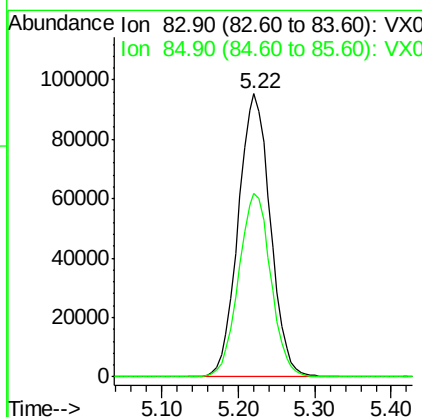
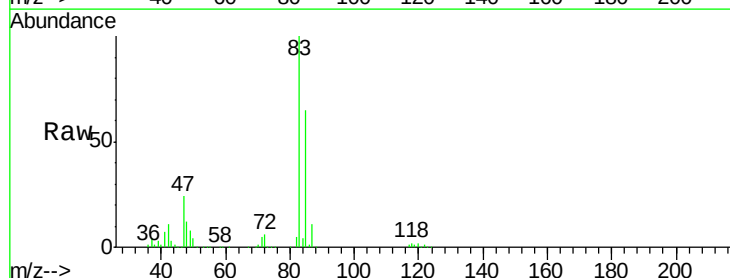
Manual Integrations
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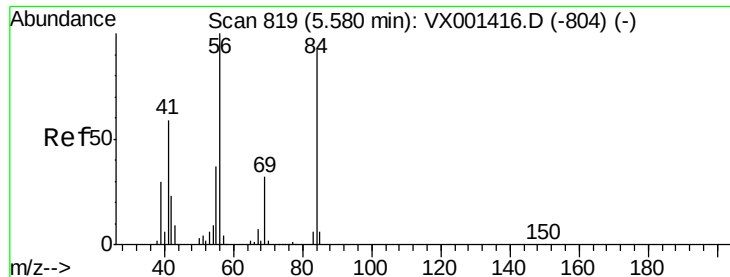
MMDadoda
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#30
Chloroform
Concen: 53.40 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.0	76.4





#31

Cyclohexane

Concen: 52.20 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Instrument :

MSVOA_X

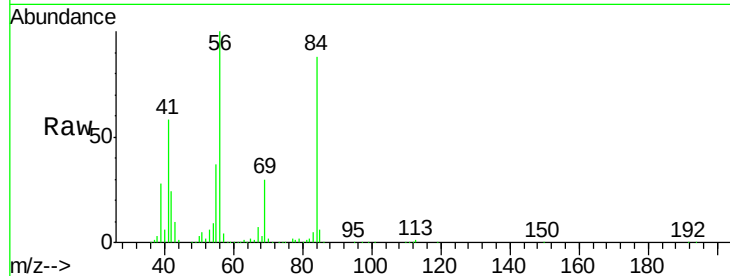
ClientSampleId :

VSTDCCC050

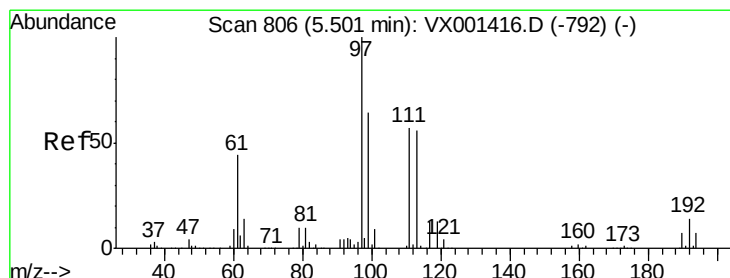
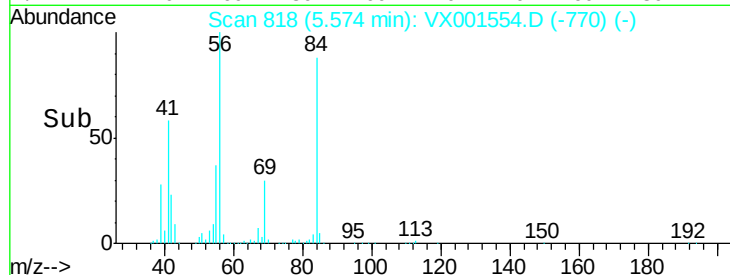
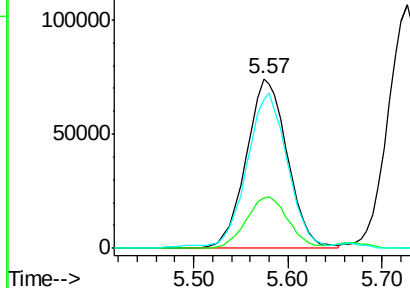
Tot Ion:	56	Resp:	226071
Ion	Ratio	Lower	Upper
56	100		
69	29.8	25.4	38.0
84	85.8	73.8	110.8

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 54.24 ug/l

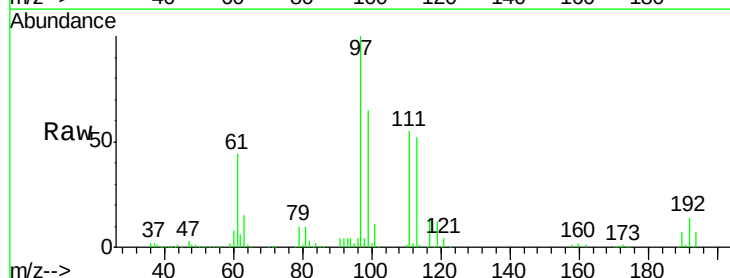
RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

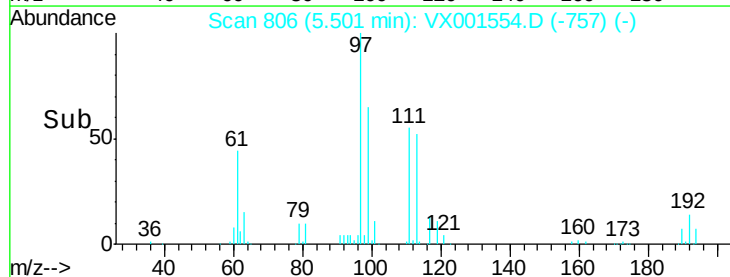
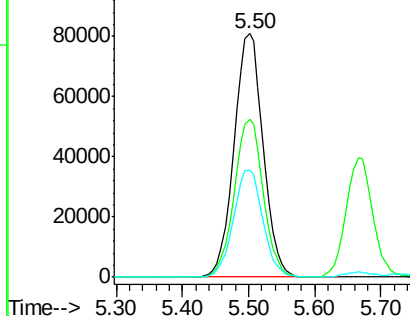
Lab File: VX001554.D

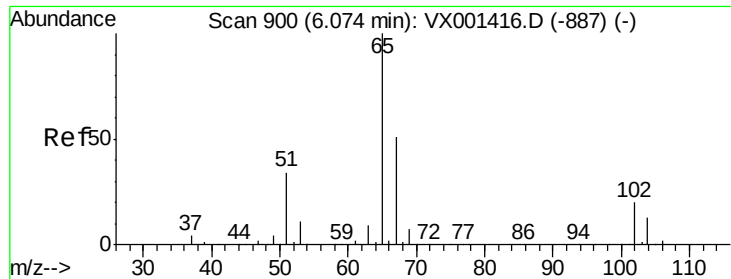
Acq: 09 May 2018 13:38

Tgt Ion:	97	Resp:	246249
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	44.6	34.8	52.2



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





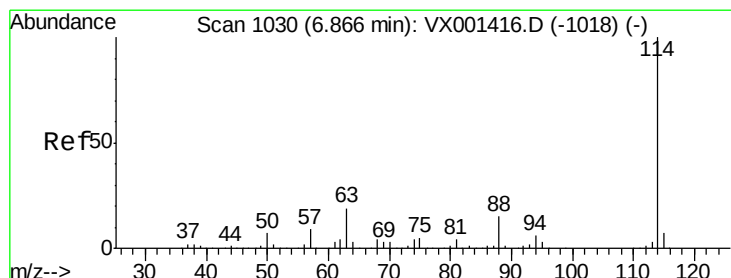
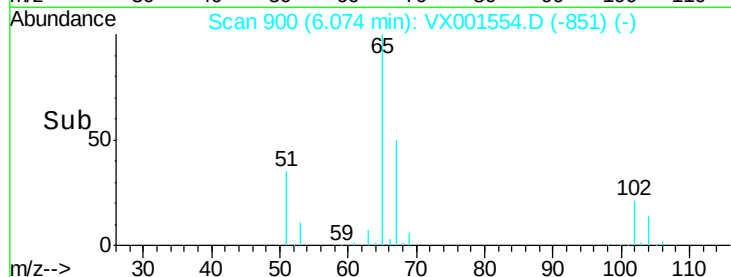
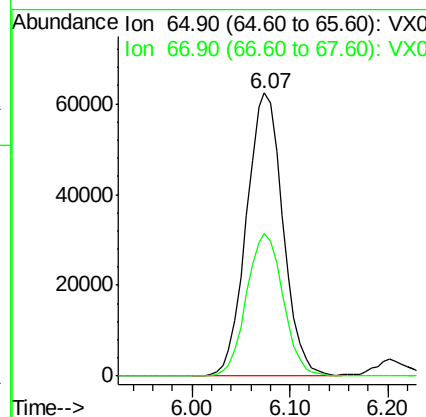
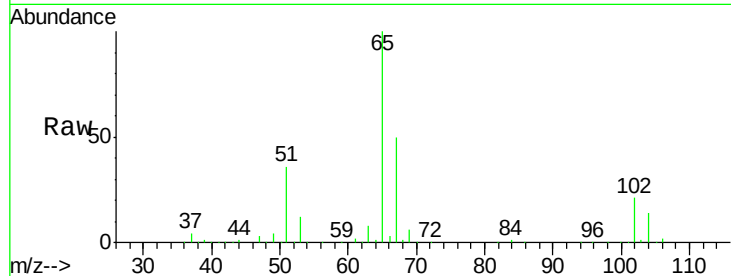
#33
 1,2-Dichloroethane-d4
 Concen: 48.20 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	162254		
67	50.5	0.0	101.8	

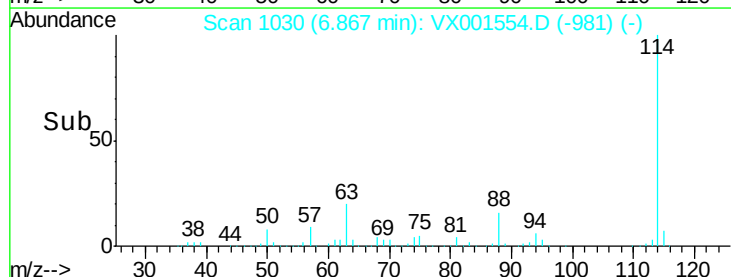
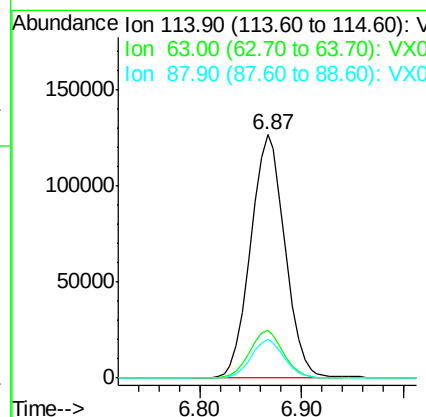
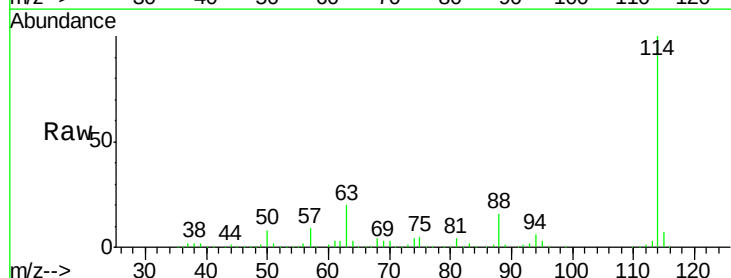
Manual Integrations
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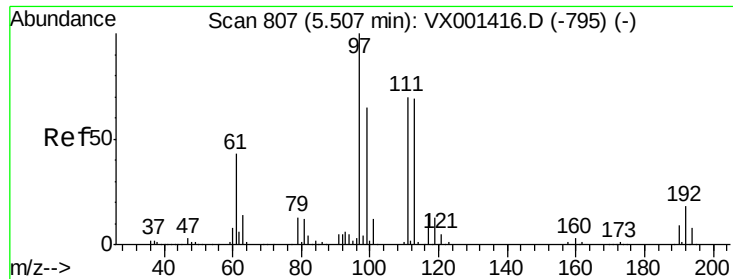
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	296485		
63	19.8	0.0	38.6	
88	15.7	0.0	30.8	





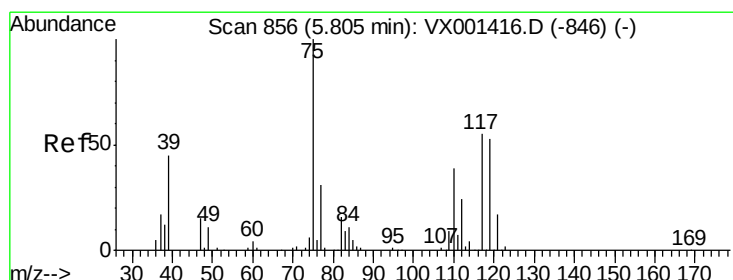
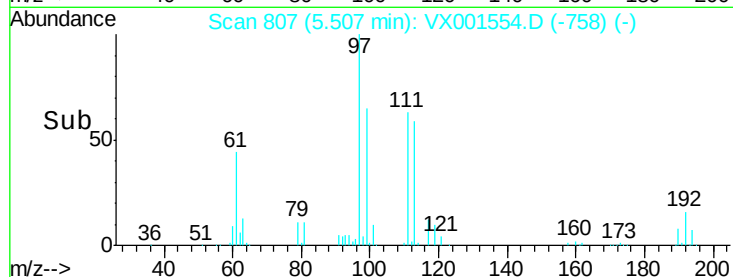
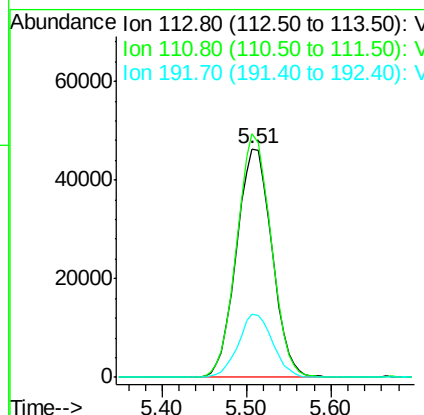
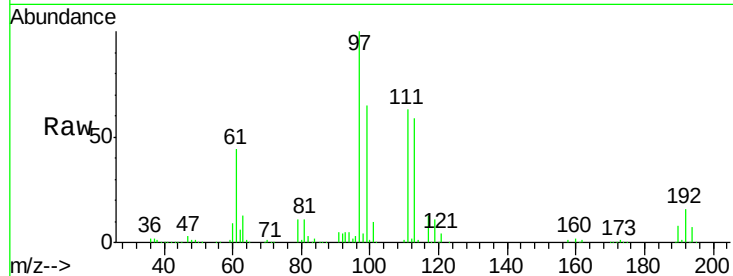
#35
 Dibromofluoromethane
 Concen: 50.14 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132221		
111	103.1	82.2	123.2	
192	26.7	21.4	32.0	

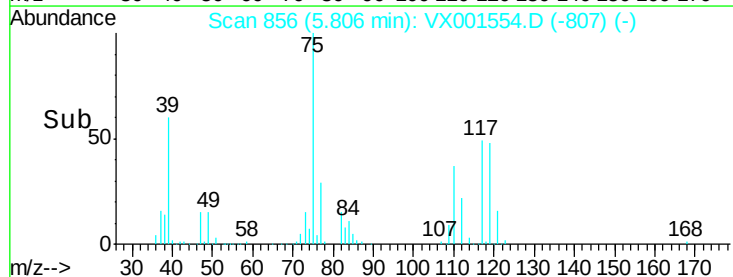
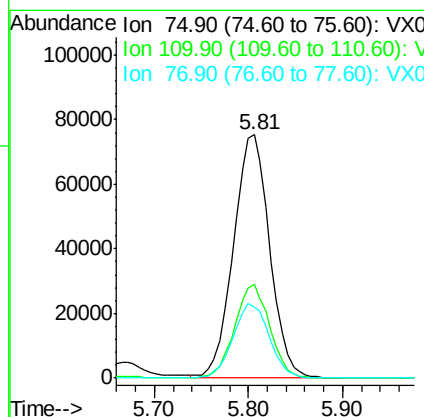
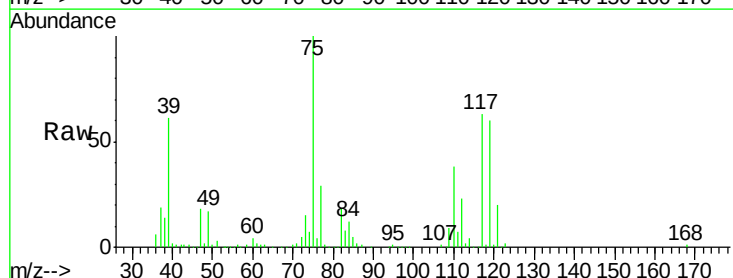
Manual Integrations
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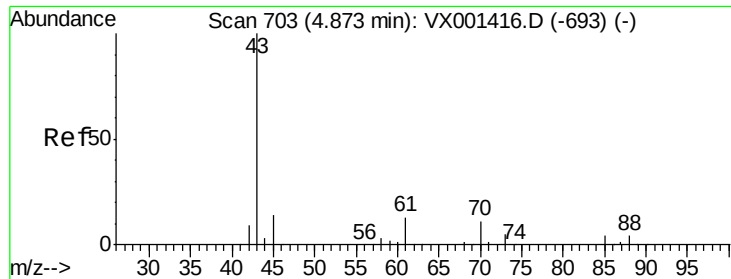
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 53.24 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	200781		
110	37.6	18.9	56.7	
77	30.7	24.9	37.3	





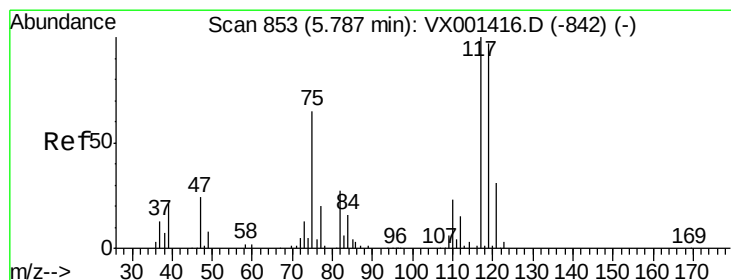
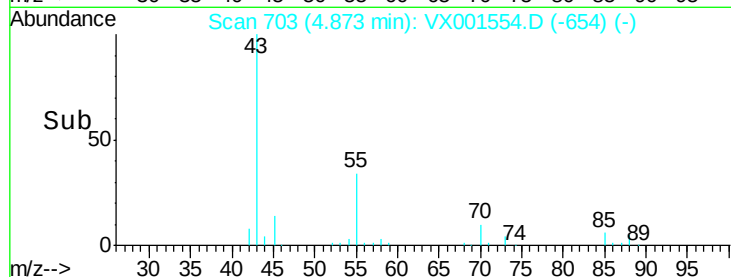
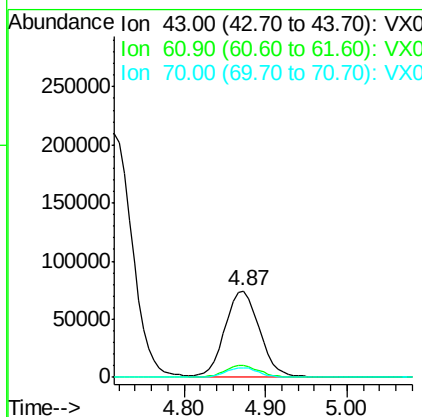
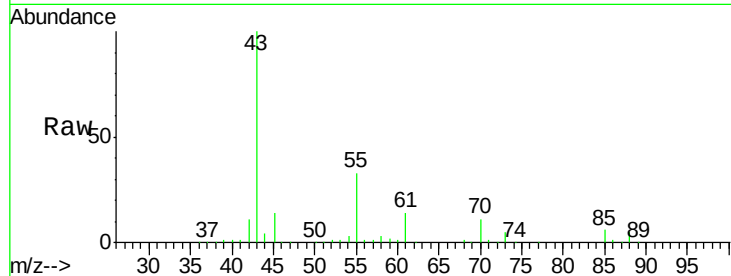
#37
Ethyl Acetate
Concen: 52.86 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	218534
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.7	16.1
70	10.7	8.4	12.6

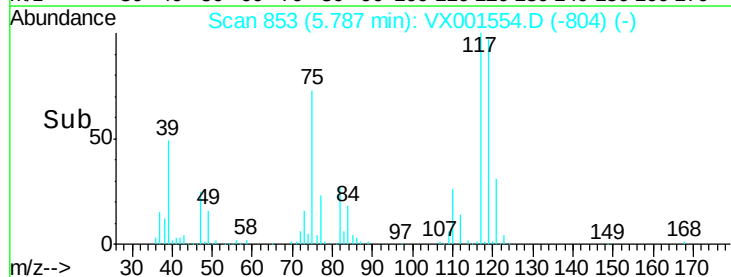
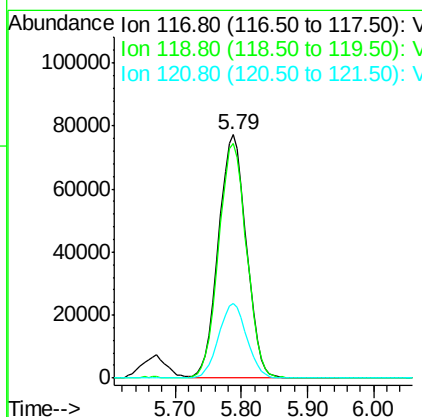
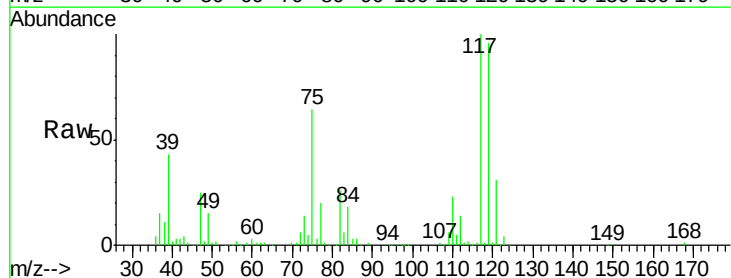
Manual Integrations
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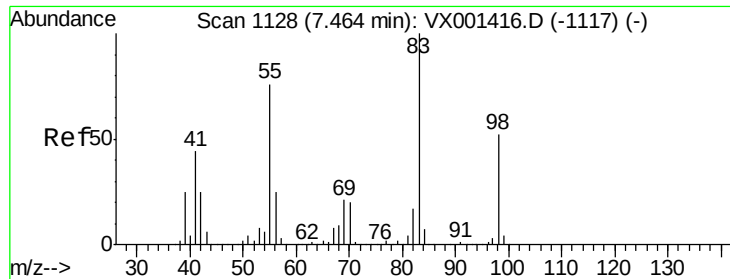
MMDadoda
5/10/2018 1:51:58 PM



#38
Carbon Tetrachloride
Concen: 56.08 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Tgt Ion:	117	Resp:	225561
Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.6
121	30.9	25.1	37.7





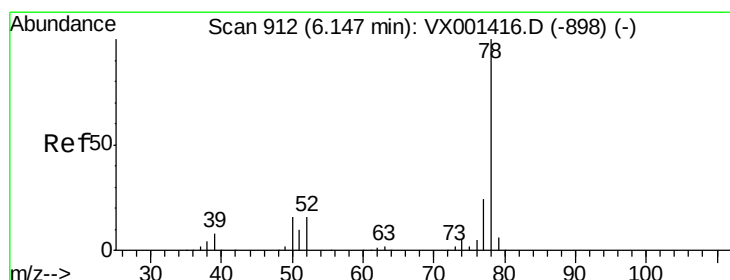
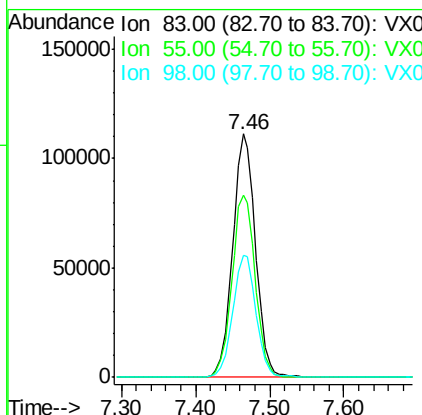
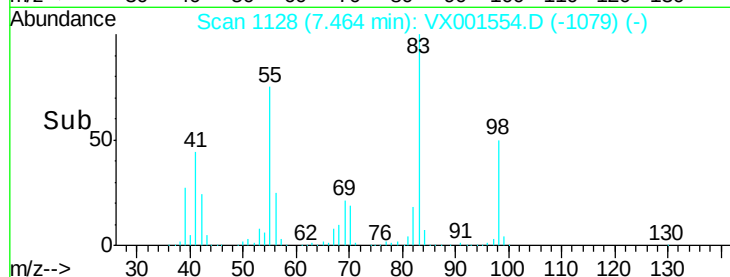
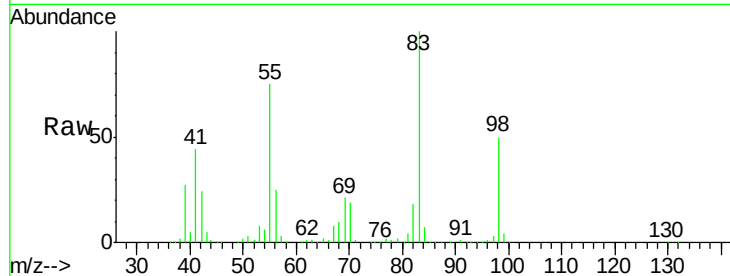
#39
Methylvlcyclohexane
Concen: 53.52 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	238646		
55	74.9		60.9	91.3
98	50.2		41.9	62.9

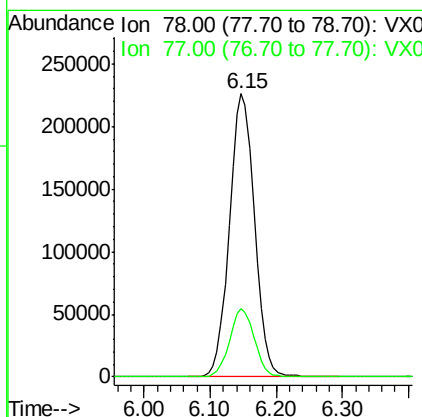
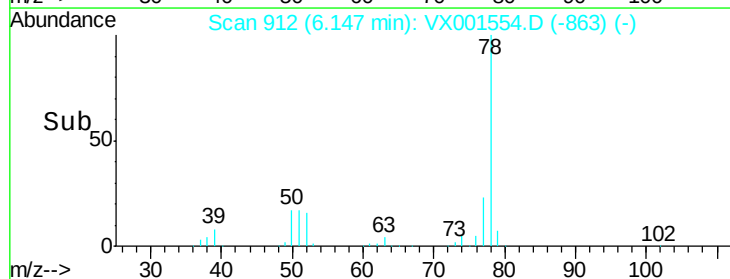
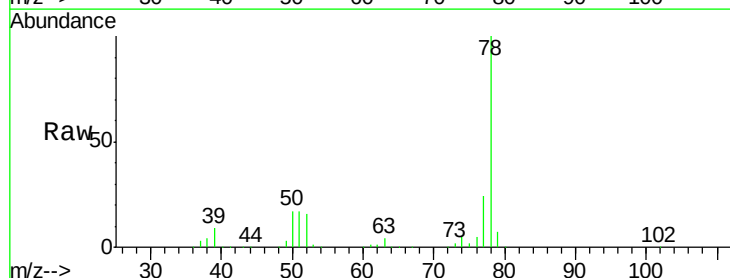
Manual Integrations
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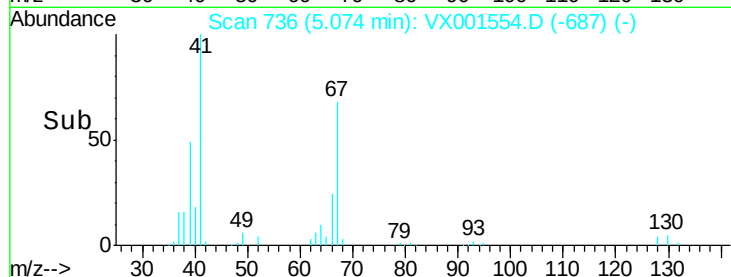
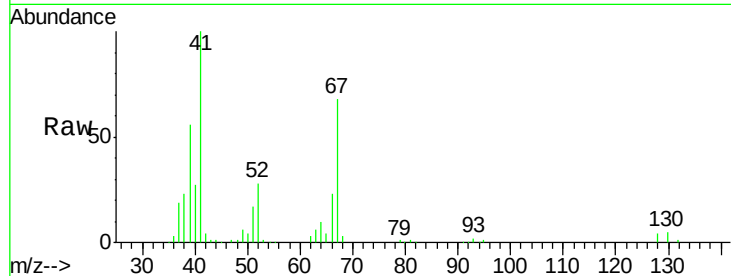
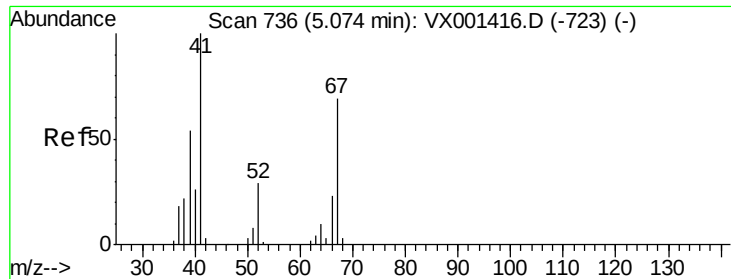
MMDadoda
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#40
Benzene
Concen: 53.96 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	594379		
77	23.9		19.4	29.2





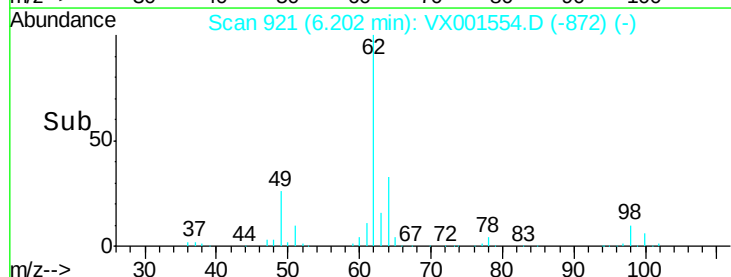
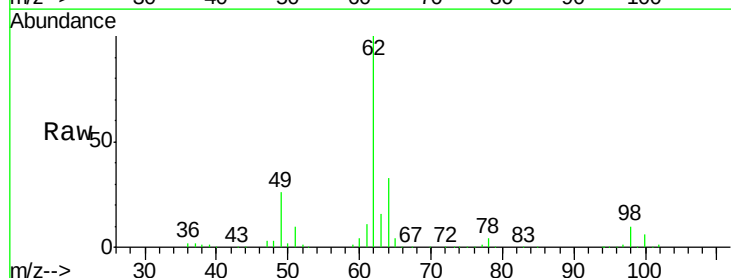
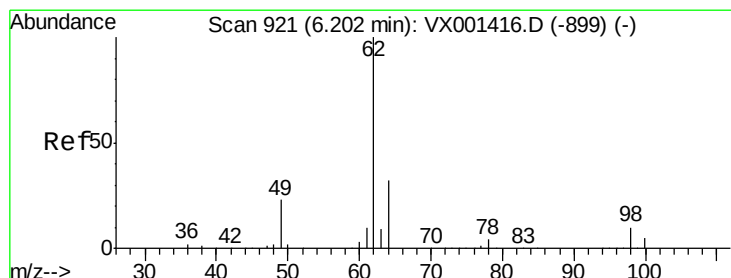
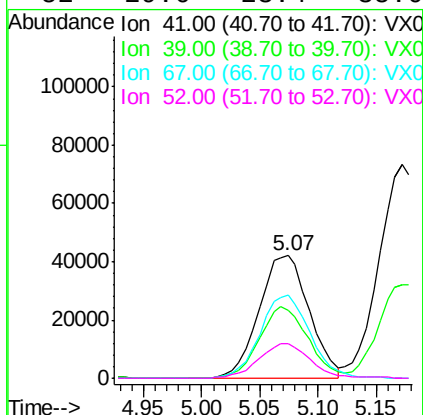
#41
Methacrylonitrile
Concen: 53.07 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		125531		
39	56.6	45.0	67.6		
67	68.0	55.0	82.6		
52	29.6	23.4	35.0		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

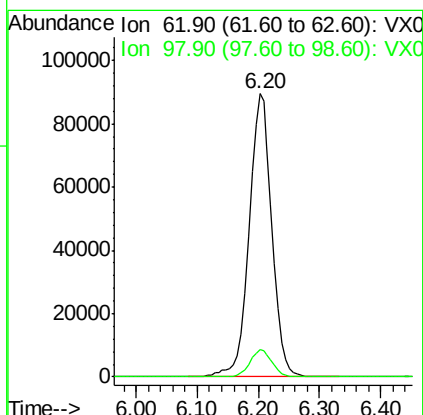
Manual Integrations
APPROVED

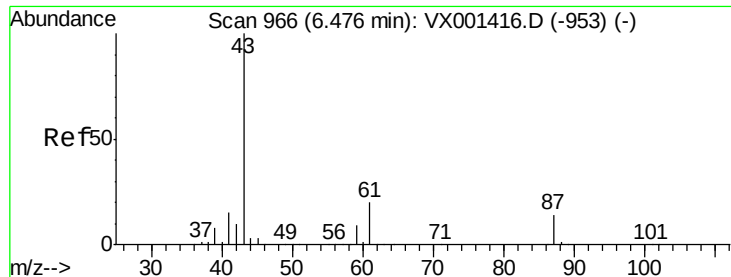
MMDadoda
5/10/2018 1:51:58 PM



#42
1,2-Dichloroethane
Concen: 54.86 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		232251		
98	9.4	0.0	19.0		





#43

Isopropyl Acetate

Concen: 55.39 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Instrument :

MSVOA_X

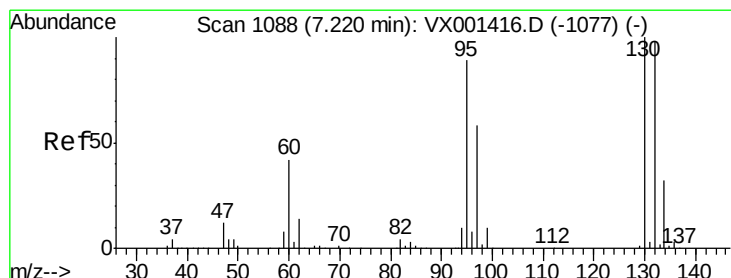
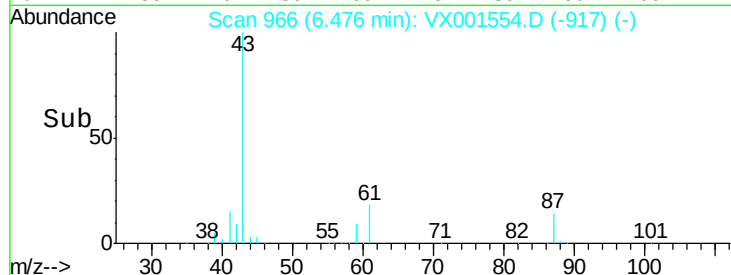
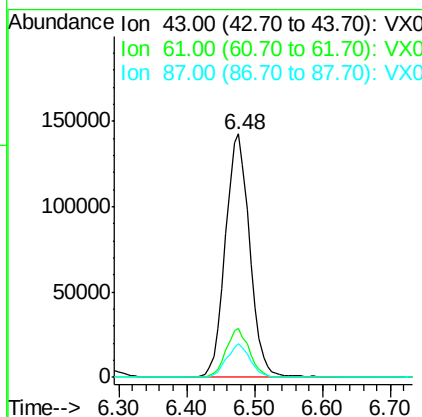
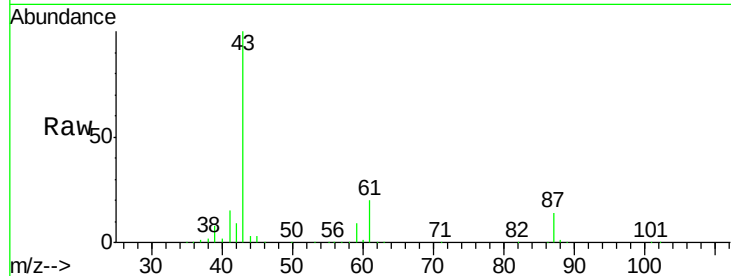
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	351509
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.4	23.0
87	13.4	10.8	16.2

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#44

Trichloroethene

Concen: 54.47 ug/l

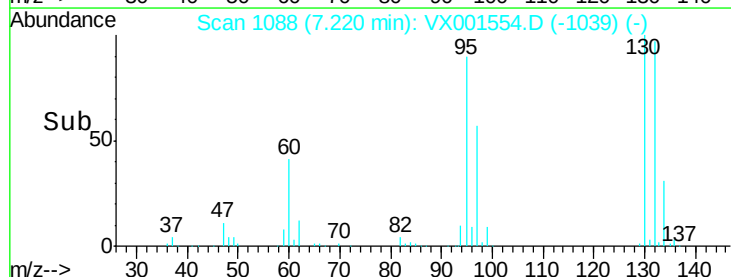
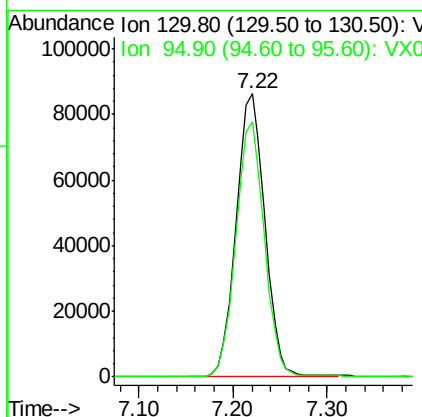
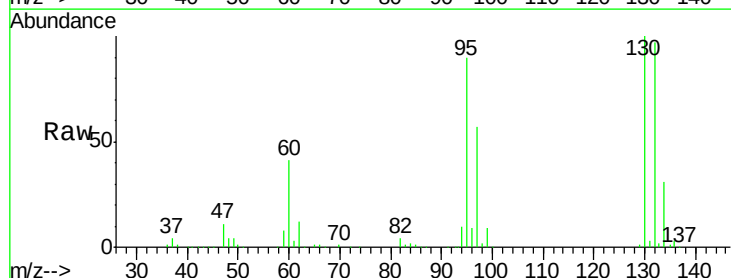
RT: 7.22 min Scan# 1088

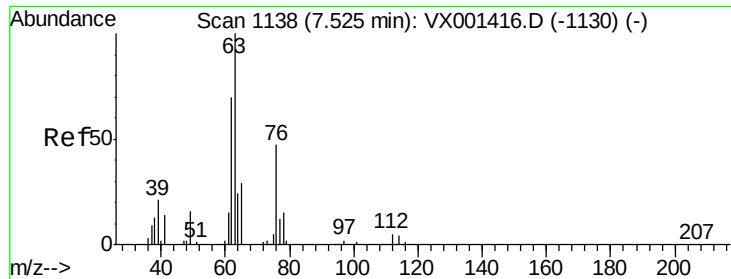
Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Tgt Ion:	130	Resp:	183391
Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	178.4





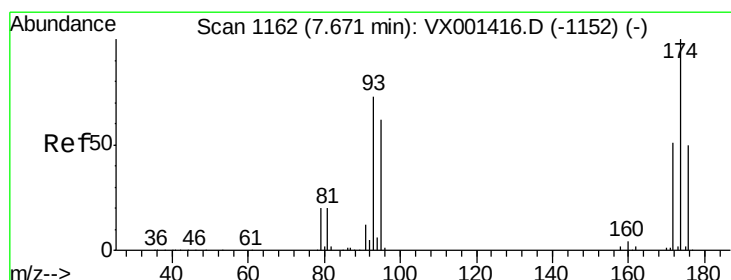
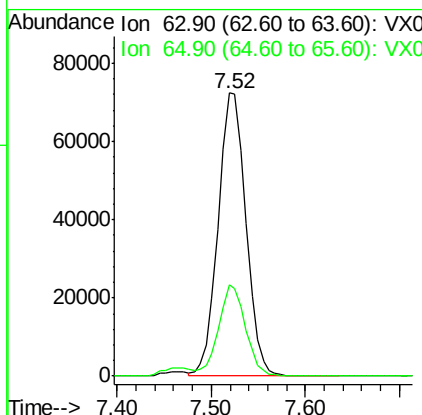
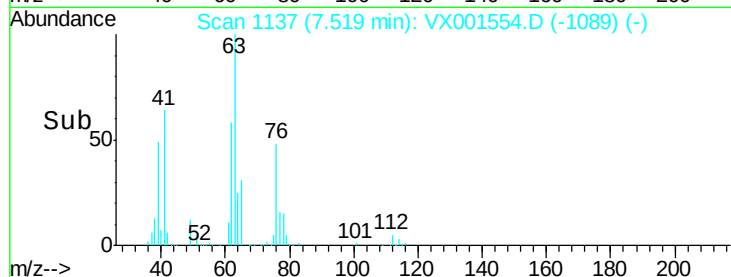
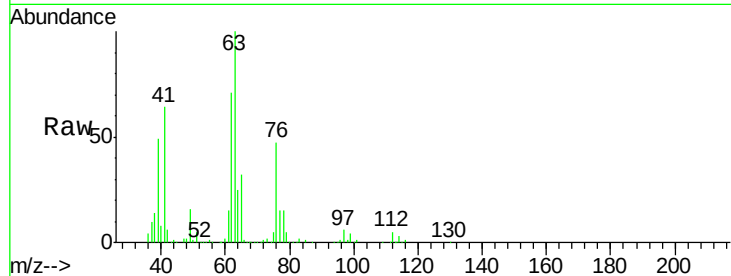
#45
 1,2-Dichloropropane
 Concen: 54.13 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 148643
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.5 36.7

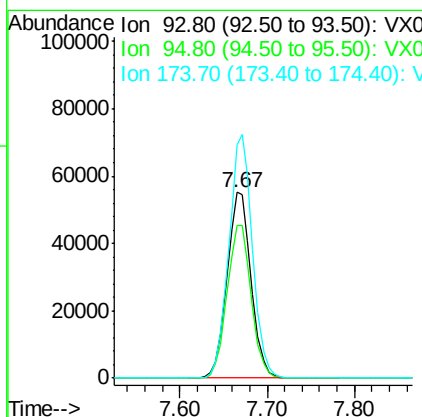
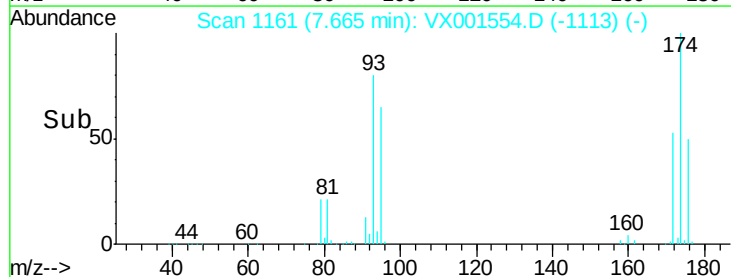
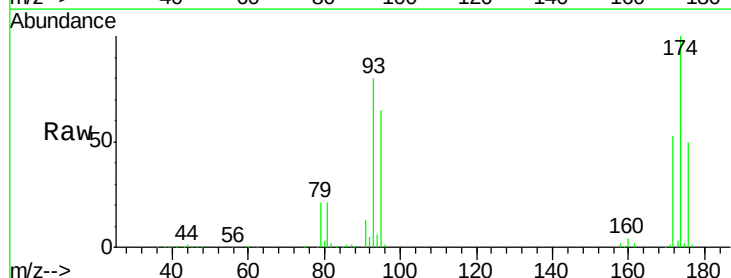
Manual Integrations
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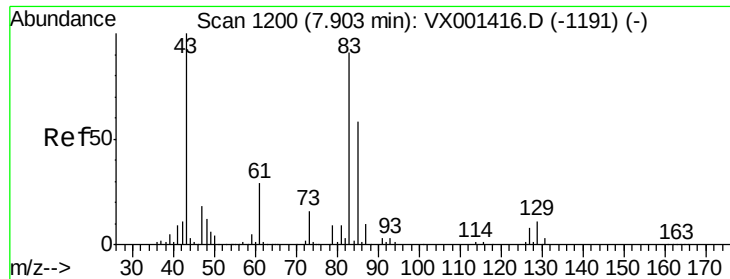
MMDadoda
 5/10/2018 1:51:58 PM



#46
 Dibromomethane
 Concen: 53.95 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Tgt Ion: 93 Resp: 104891
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.0 100.4
 174 129.6 104.5 156.7





#47

Bromodichloromethane

Concen: 56.24 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Instrument :

MSVOA_X

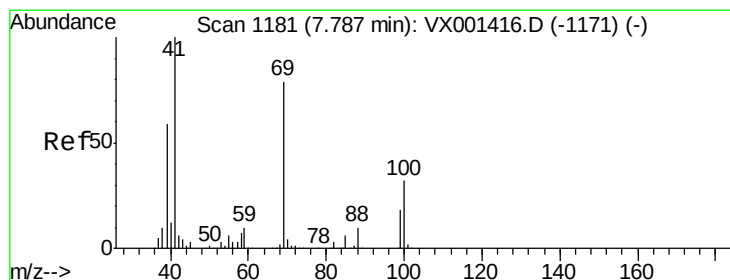
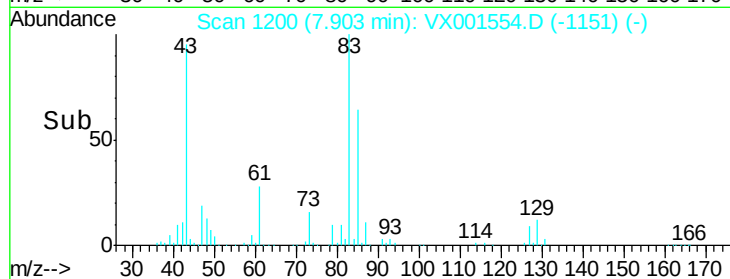
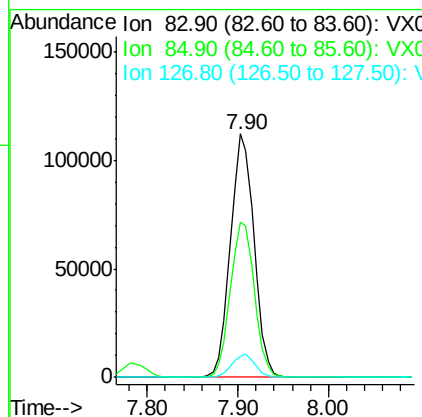
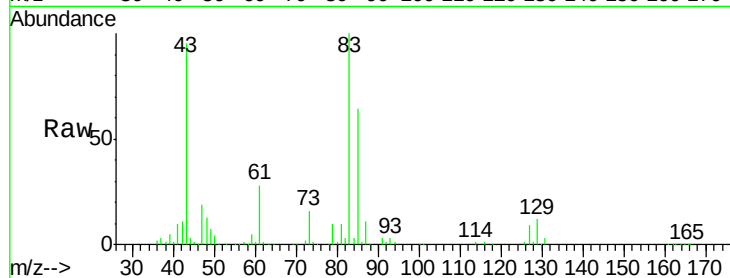
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	202342
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.0	76.6
127	8.8	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.12 ug/l

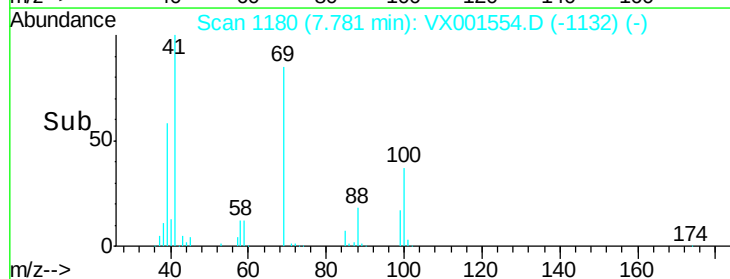
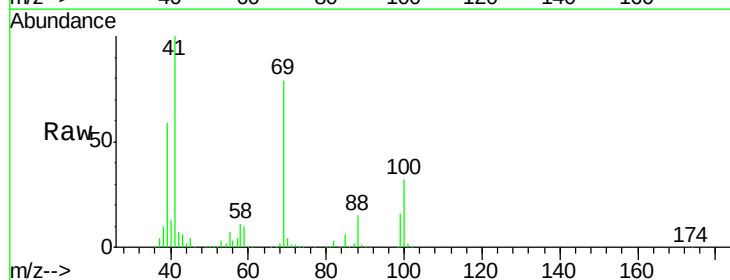
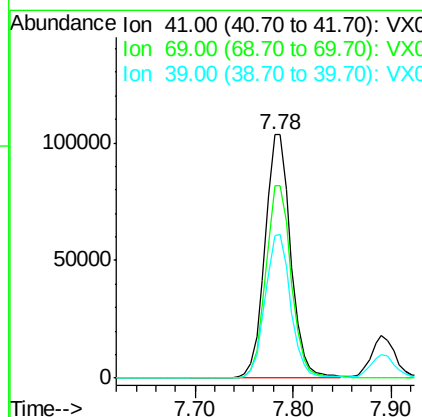
RT: 7.78 min Scan# 1180

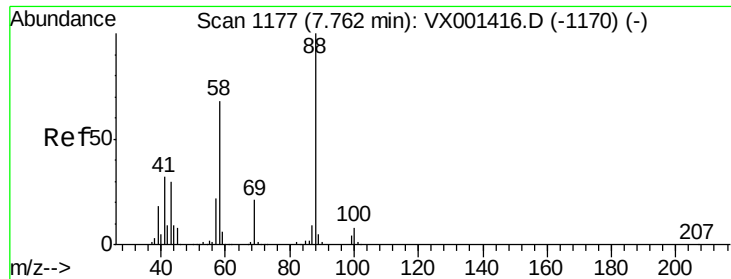
Delta R.T. -0.01 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Tgt Ion:	41	Resp:	190482
Ion Ratio	Lower	Upper	
41	100		
69	79.1	63.4	95.2
39	58.7	47.0	70.4





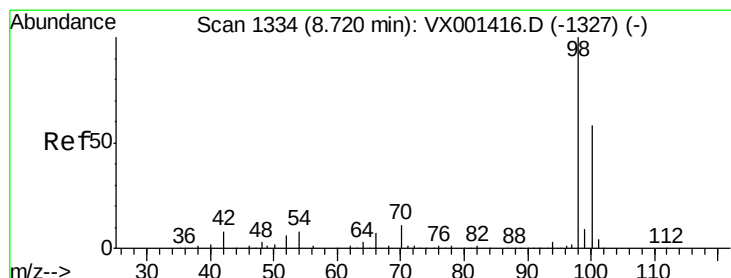
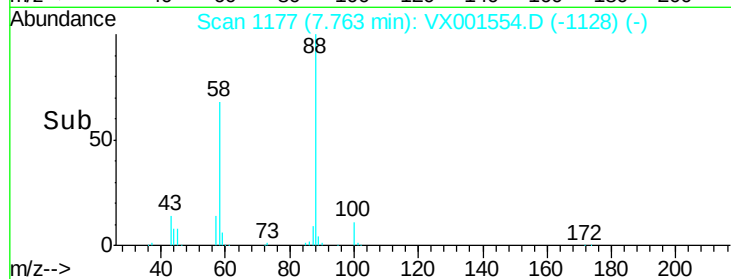
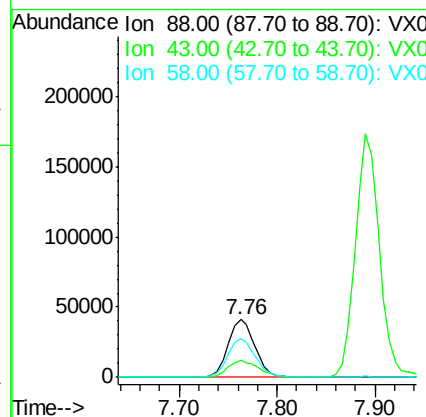
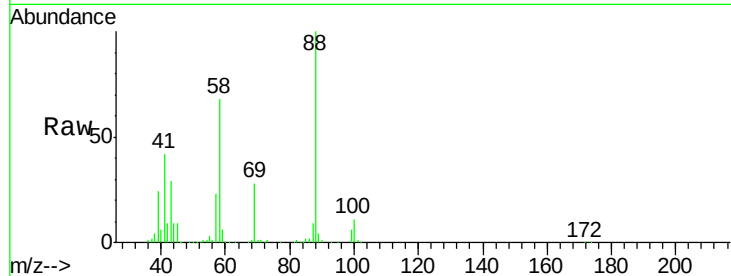
#49
1,4-Dioxane
Concen: 1053.59 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	26.4	39.6
58	69.3	54.1	81.1

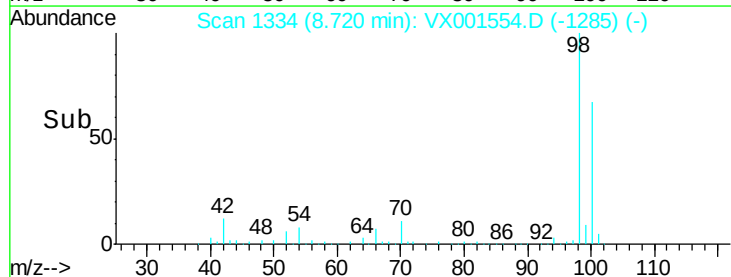
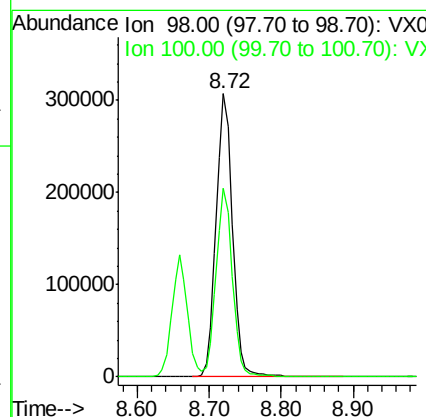
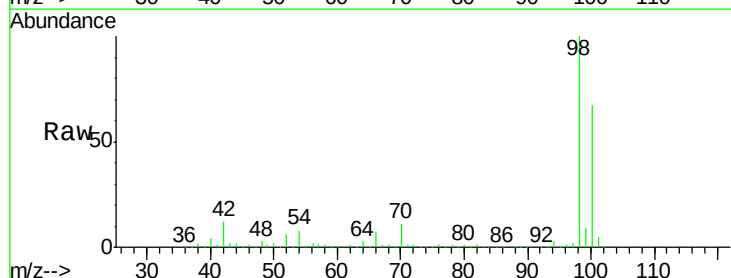
Manual Integrations
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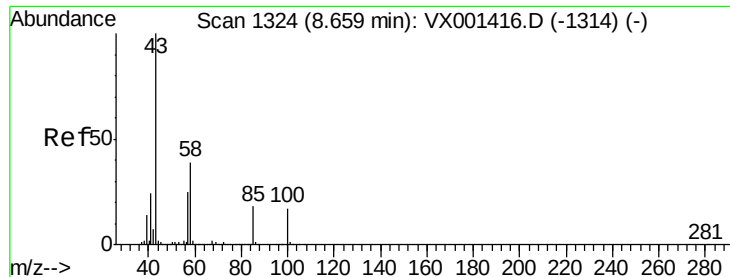
MMDadoda
5/10/2018 1:51:58 PM



#50
Toluene-d8
Concen: 50.27 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	54.0	81.0





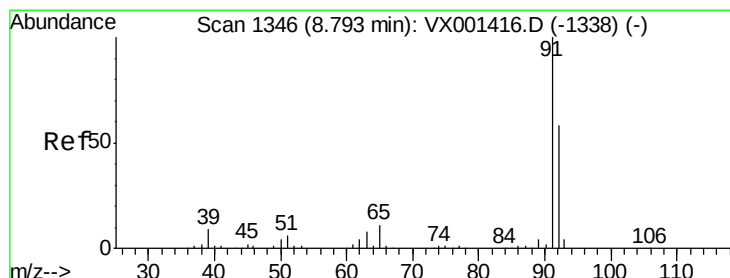
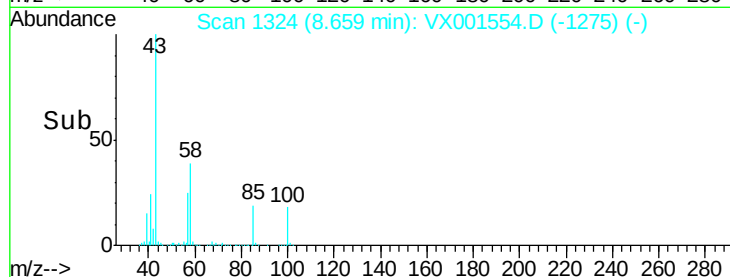
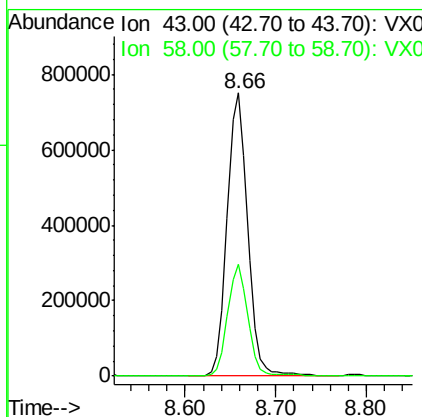
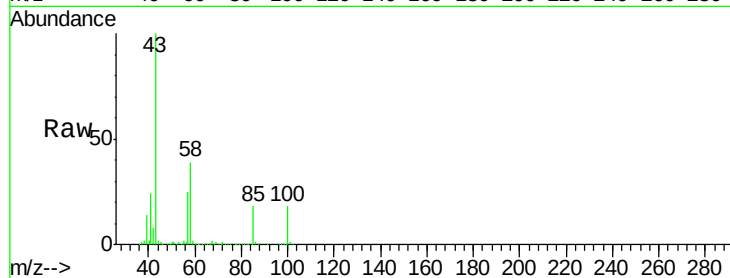
#51
 4-Methyl-2-Pentanone
 Concen: 281.34 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1186502
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.8 46.2

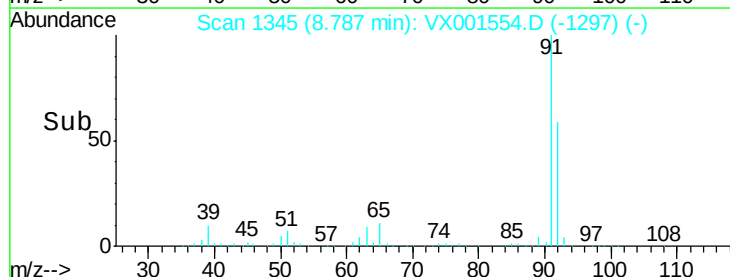
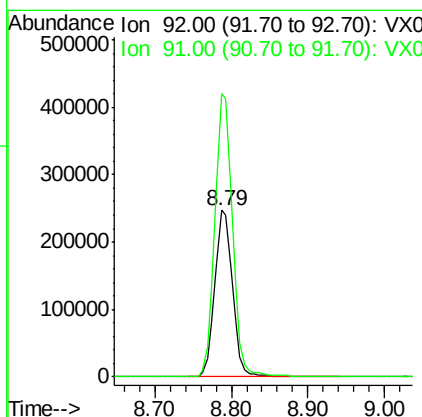
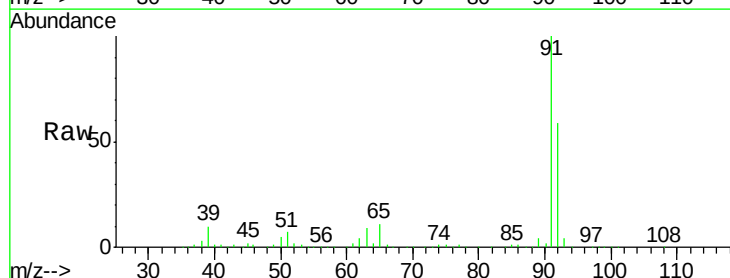
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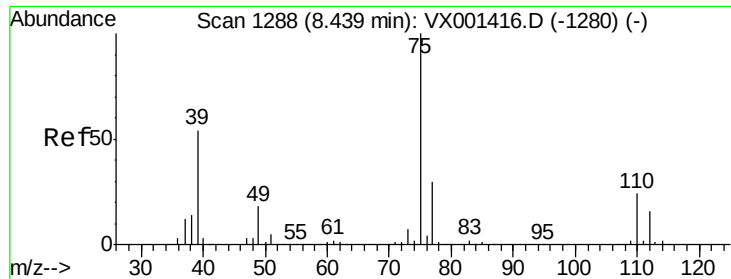
MMDadoda
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#52
 Toluene
 Concen: 55.14 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Tgt Ion: 92 Resp: 397174
 Ion Ratio Lower Upper
 92 100
 91 169.3 135.2 202.8





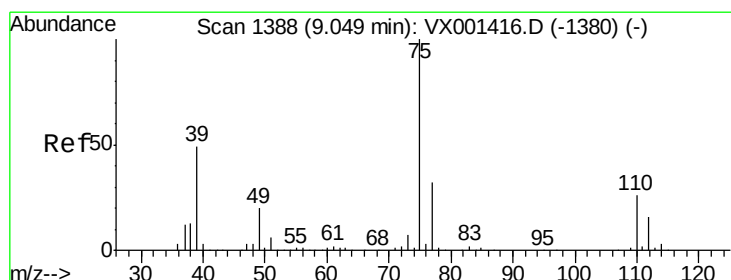
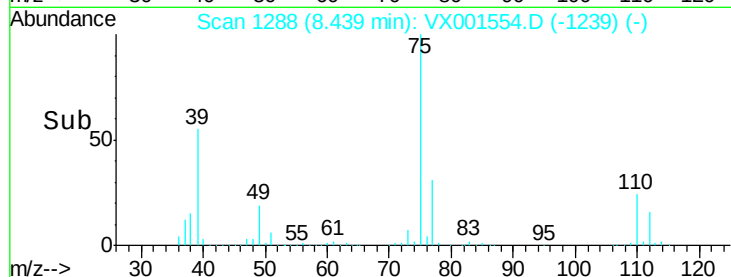
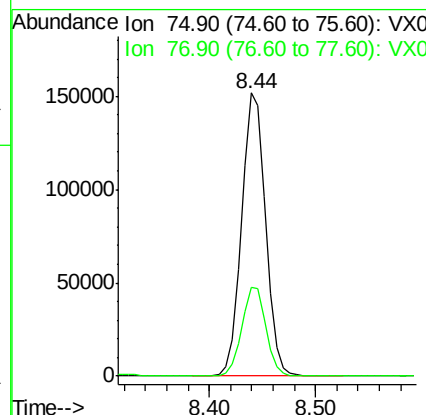
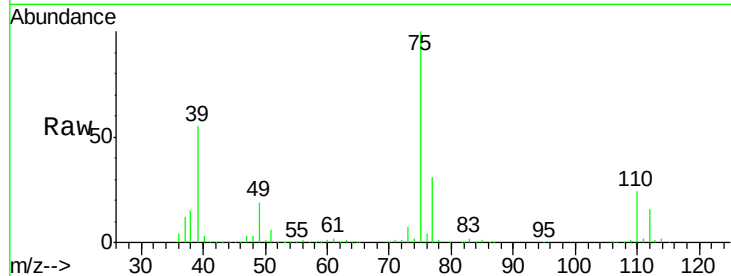
#53
 t-1,3-Dichloropropene
 Concen: 59.01 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	239951		
77	31.4	24.2	36.4	

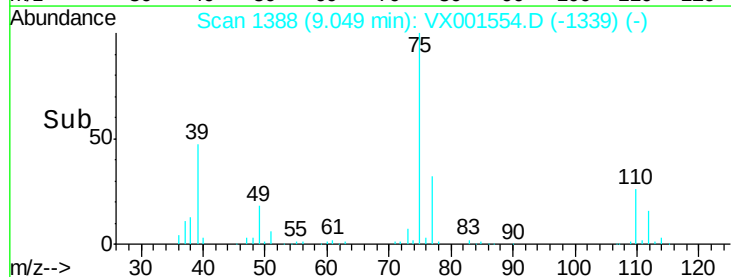
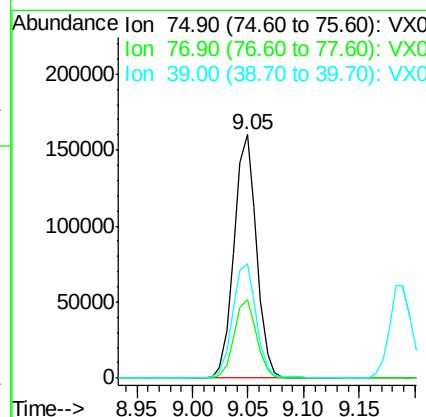
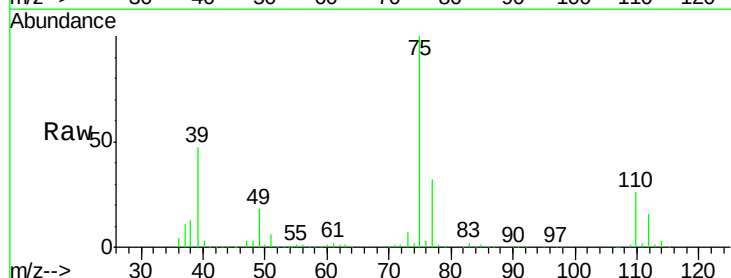
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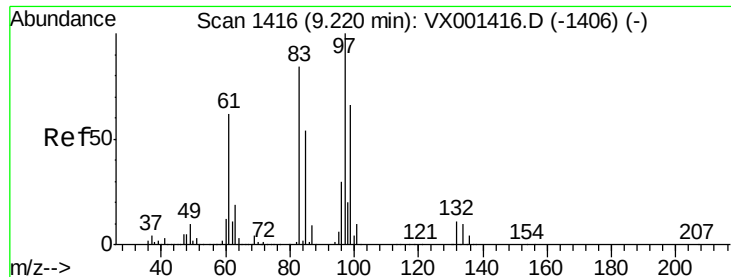
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 52.87 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	222843		
77	32.0	25.5	38.3	
39	46.8	38.9	58.3	





#55

1,1,2-Trichloroethane

Concen: 54.54 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Instrument :

MSVOA_X

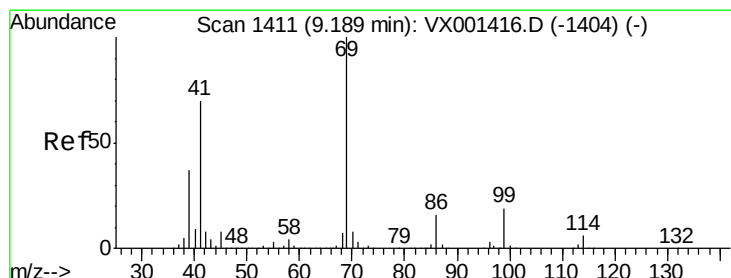
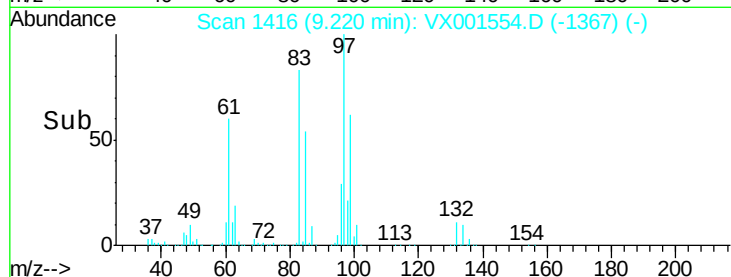
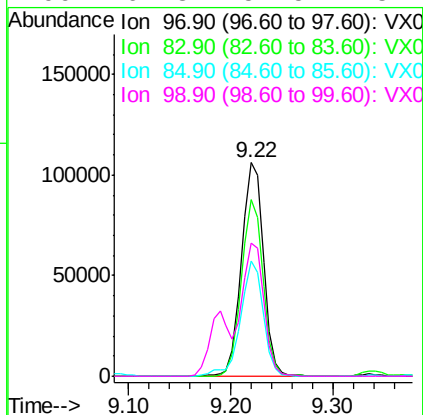
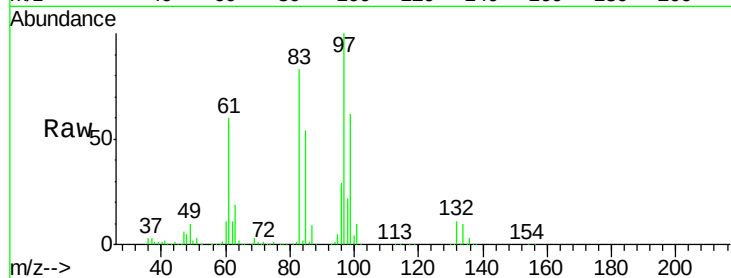
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	158261
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.4	101.0
85	54.2	43.3	64.9
99	62.3	52.5	78.7

Manual Integrations
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5/10/2018 1:51:58 PM



#56

Ethyl methacrylate

Concen: 56.36 ug/l

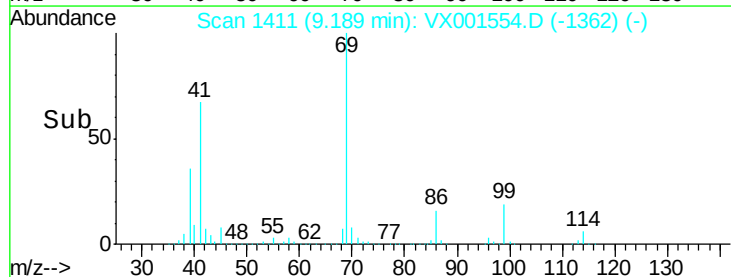
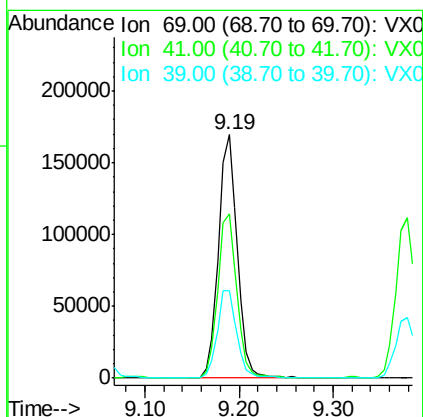
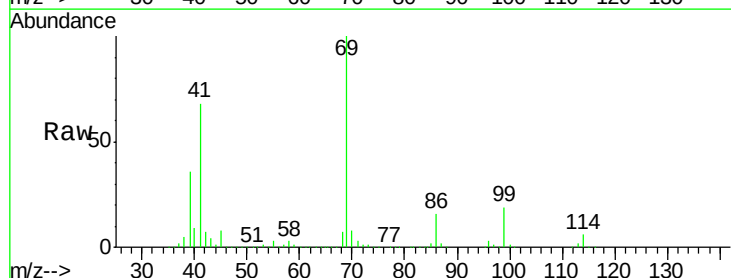
RT: 9.19 min Scan# 1411

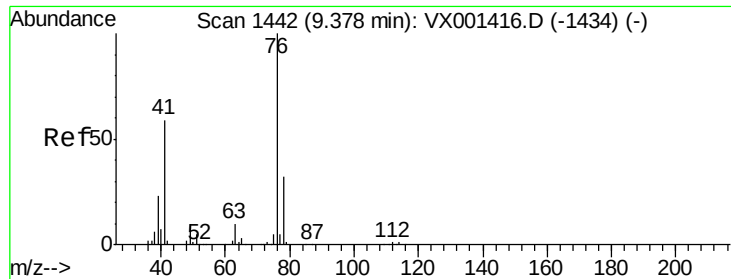
Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Tgt Ion:	69	Resp:	235735
Ion	Ratio	Lower	Upper
69	100		
41	68.6	55.1	82.7
39	37.3	29.9	44.9





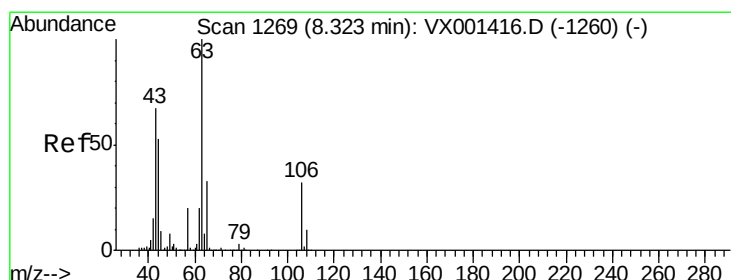
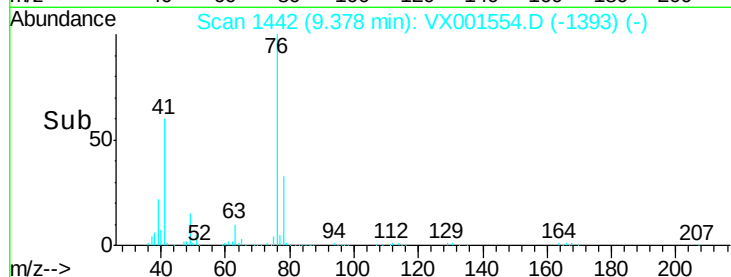
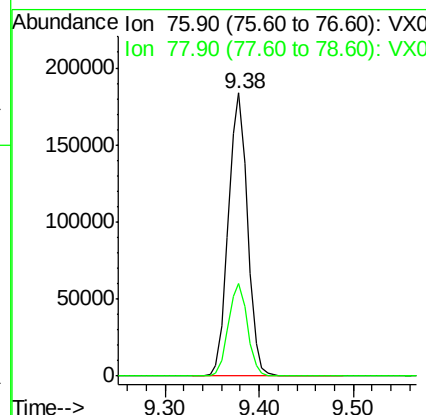
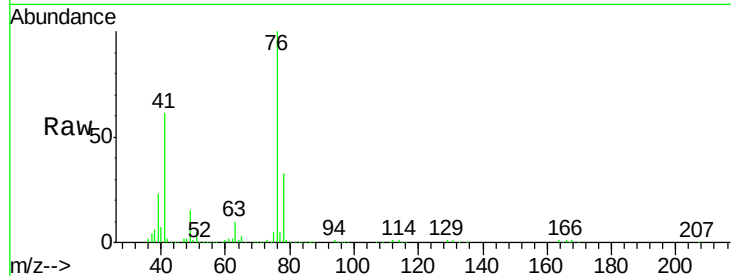
#57
 1,3-Dichloropropane
 Concen: 54.09 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6

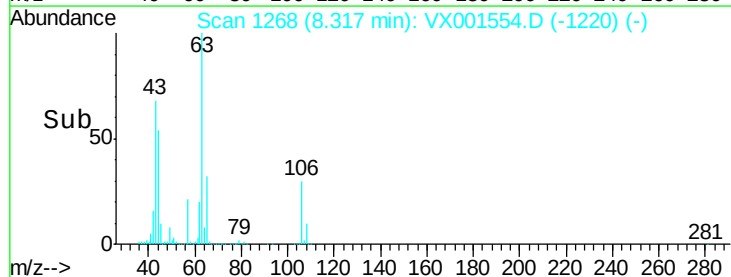
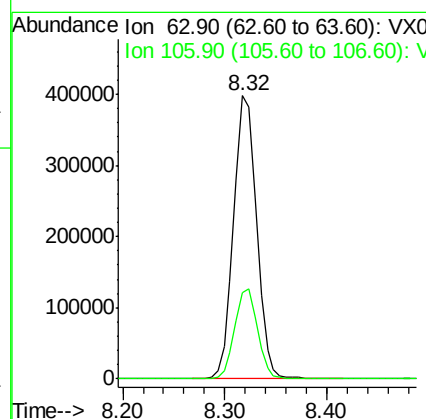
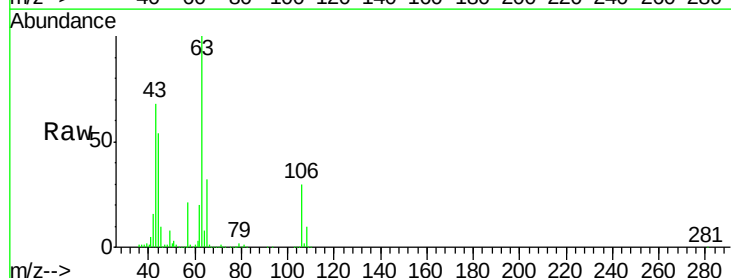
Manual Integrations
 APPROVED

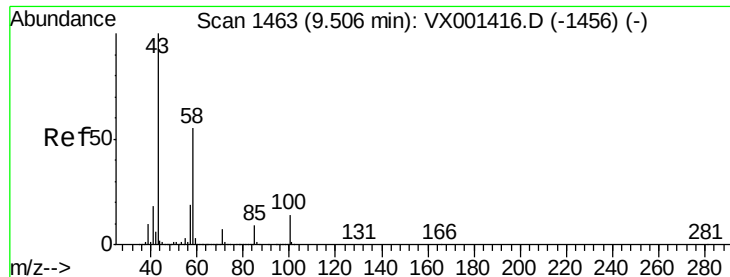
MMDadoda
 5/10/2018 1:51:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 301.99 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.6	25.4	38.0





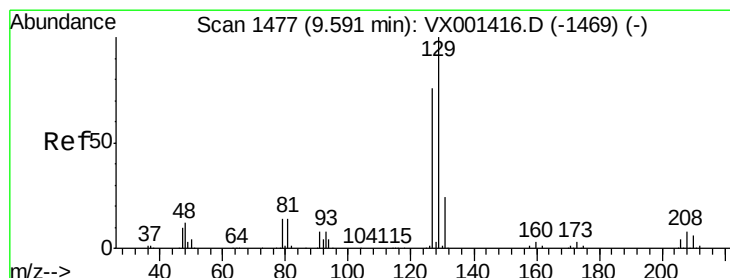
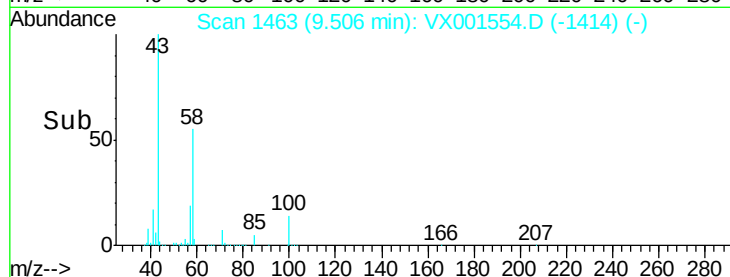
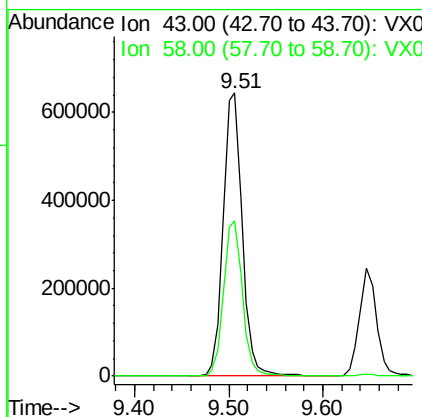
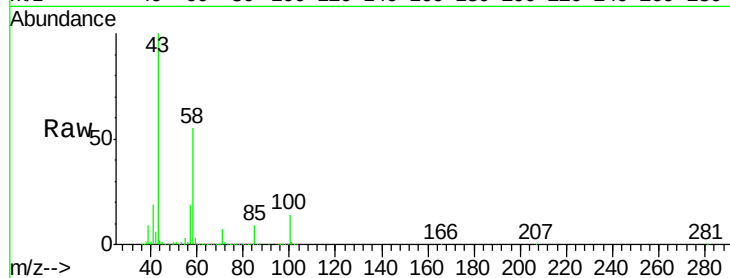
#59
2-Hexanone
Concen: 279.60 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.1	81.2

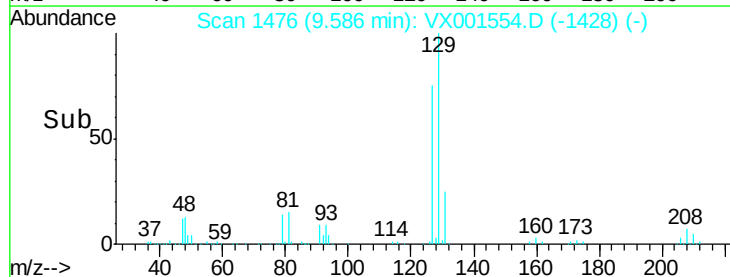
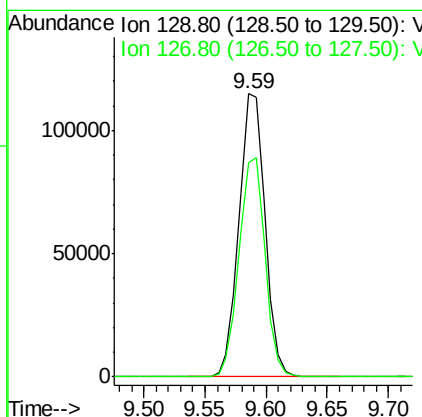
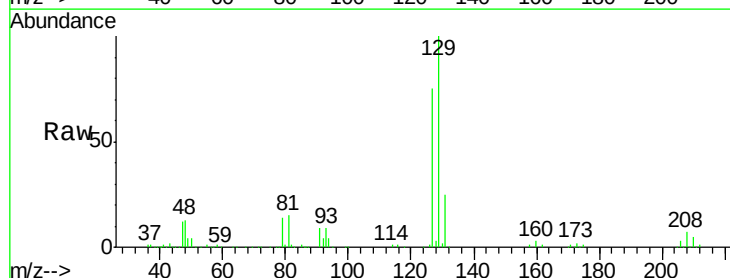
Manual Integrations
APPROVED

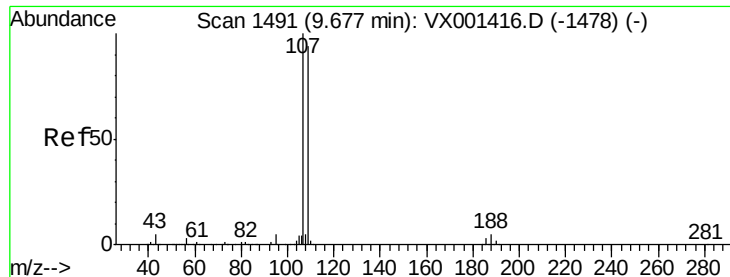
MMDadoda
5/10/2018 1:51:58 PM



#60
Dibromochloromethane
Concen: 57.15 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.1	114.5





#61

1,2-Dibromoethane

Concen: 54.99 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 167542

Ion Ratio Lower Upper

107 100

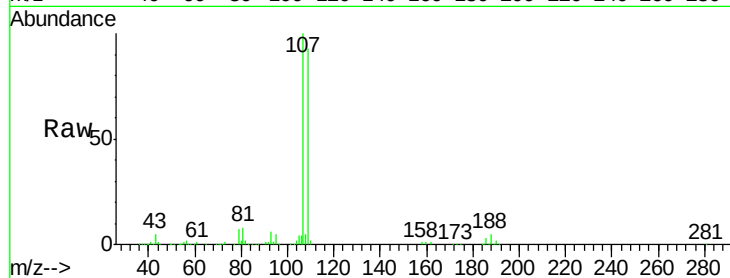
109 94.0 75.5 113.3

Manual Integrations

APPROVED

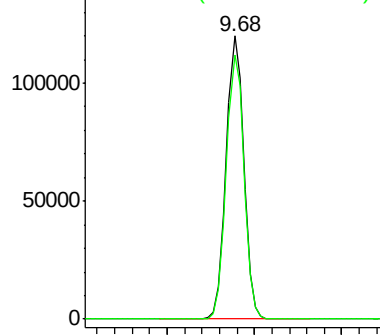
MMDadoda

5/10/2018 1:51:58 PM

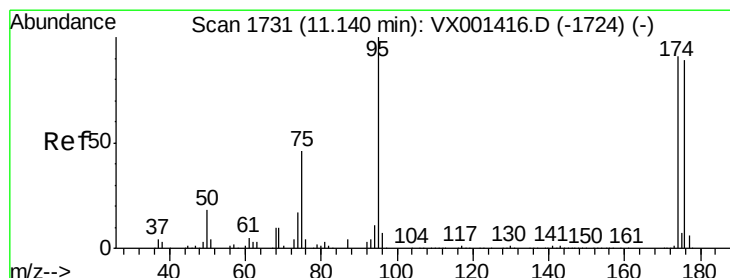
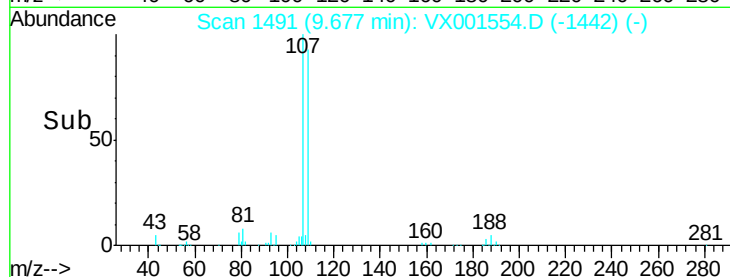


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 49.61 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

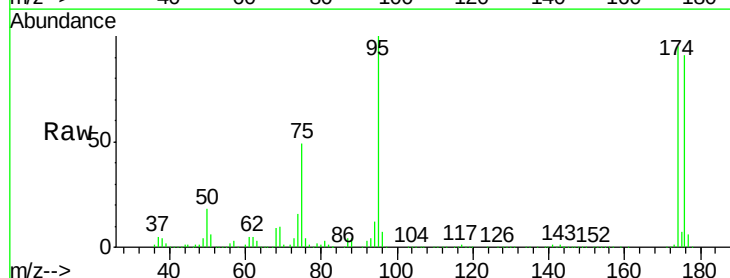
Tgt Ion: 95 Resp: 183311

Ion Ratio Lower Upper

95 100

174 102.5 0.0 202.0

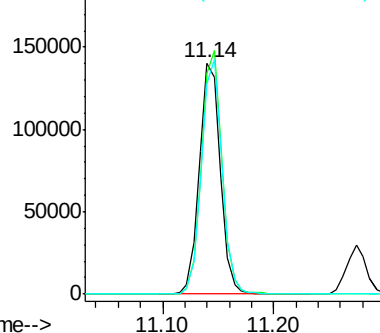
176 99.2 0.0 197.4



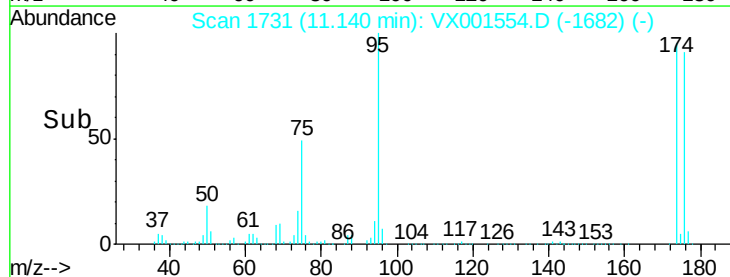
Abundance Ion 94.90 (94.60 to 95.60): VX0

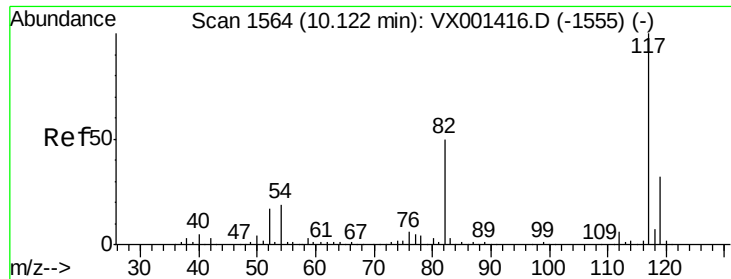
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





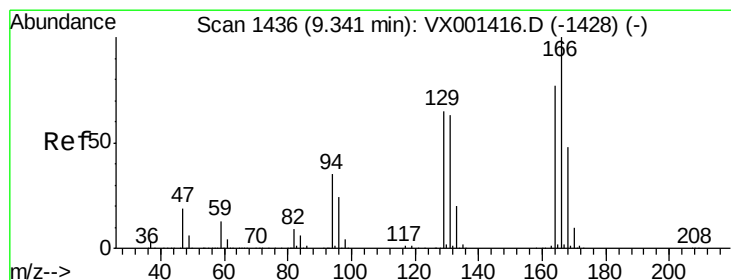
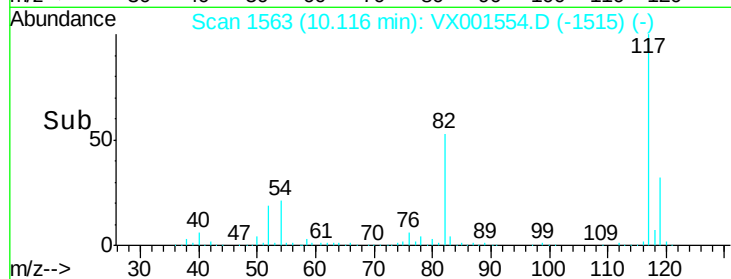
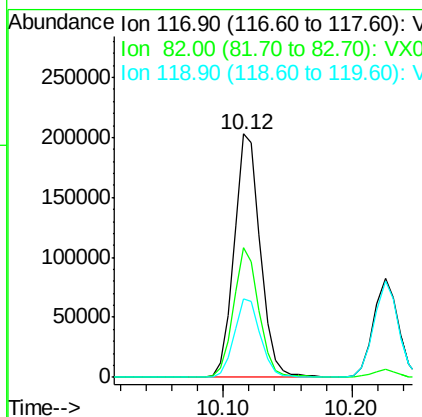
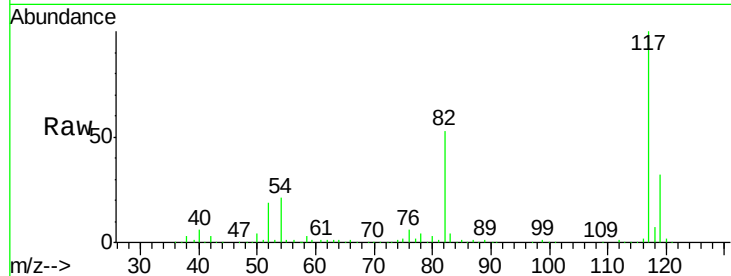
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	40.0	60.0
119	32.2	25.8	38.8

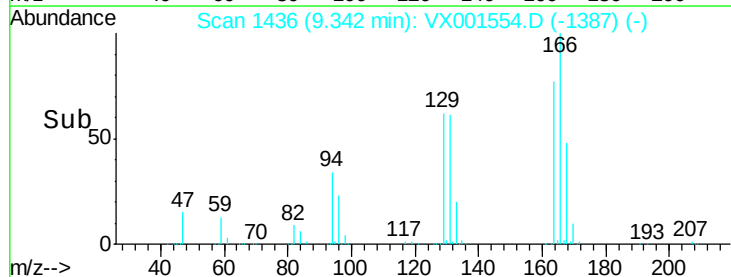
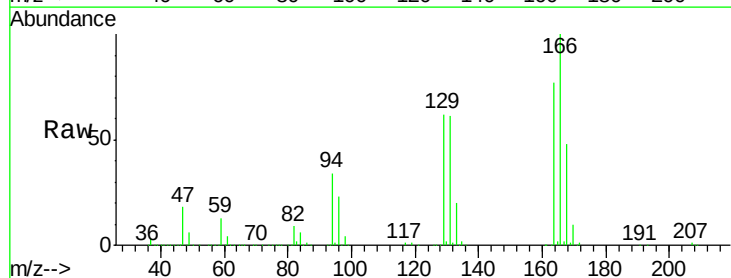
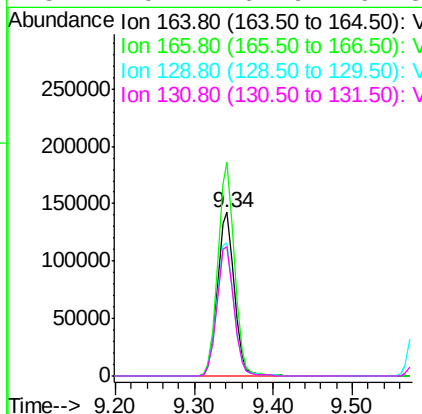
Manual Integrations
APPROVED

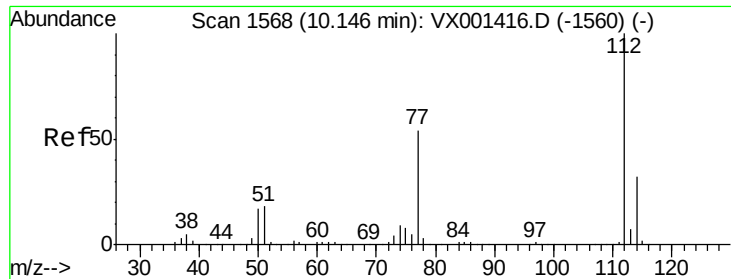
MMDadoda
5/10/2018 1:51:58 PM



#64
Tetrachloroethene
Concen: 53.66 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	103.5	155.3
129	81.1	66.7	100.1
131	79.1	64.9	97.3





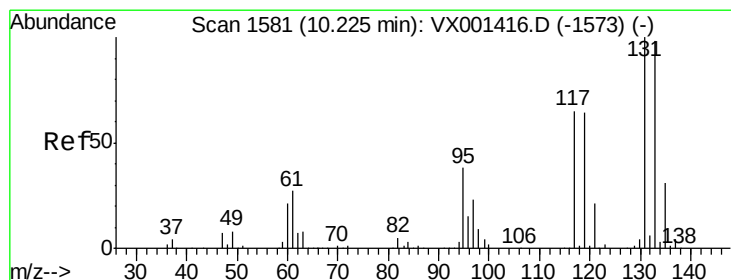
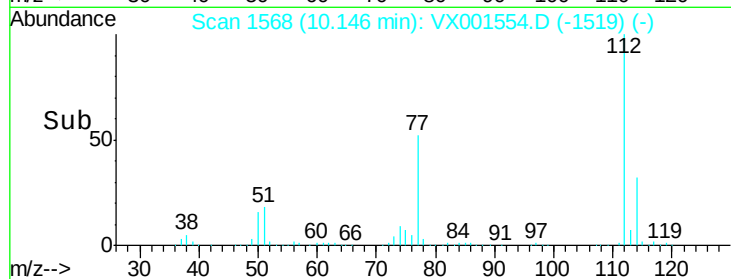
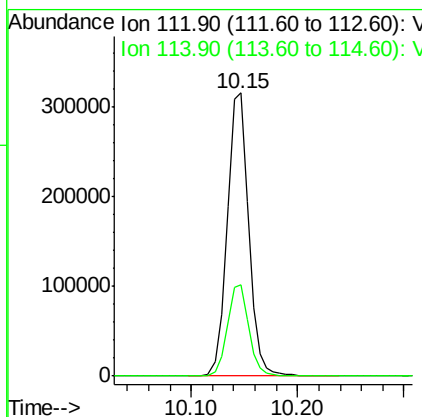
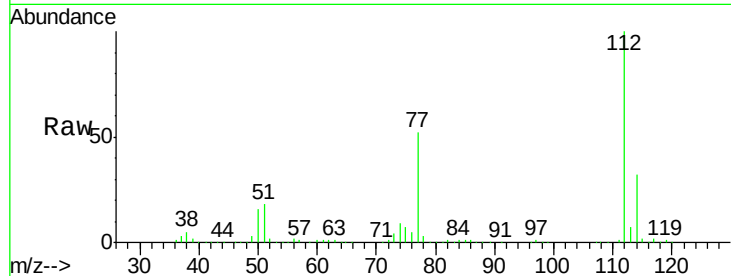
#65
Chlorobenzene
Concen: 53.31 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 446639
Ion Ratio Lower Upper
112 100
114 32.2 26.0 39.0

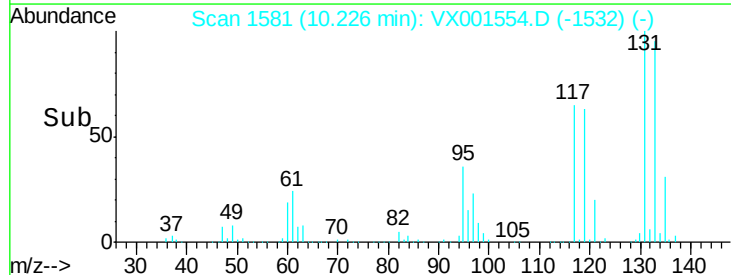
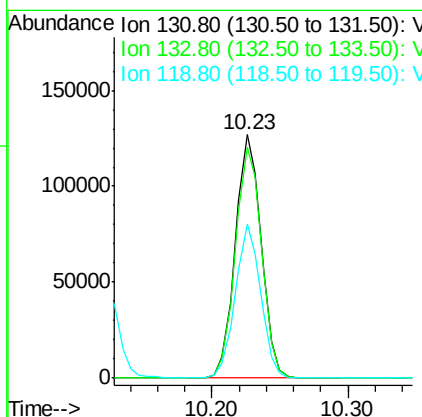
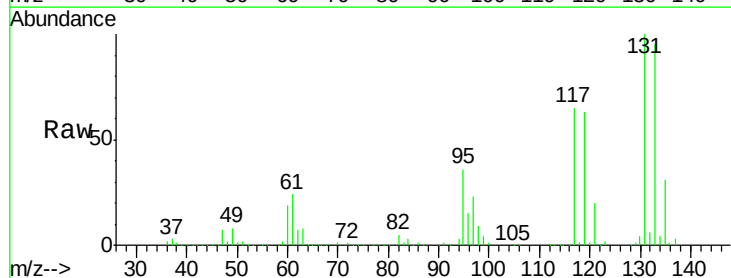
Manual Integrations
APPROVED

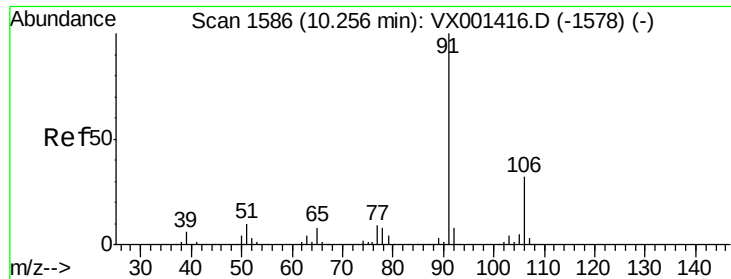
MMDadoda
5/10/2018 1:51:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.95 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Tgt Ion:131 Resp: 167681
Ion Ratio Lower Upper
131 100
133 96.4 47.9 143.8
119 62.4 31.1 93.3





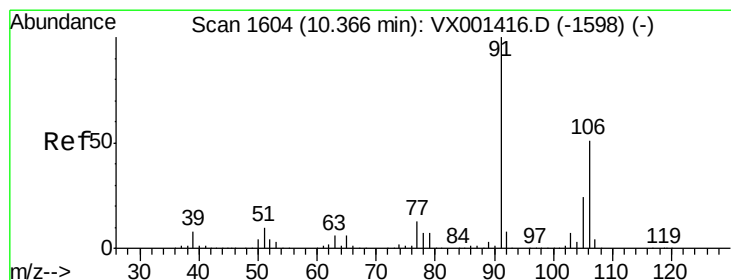
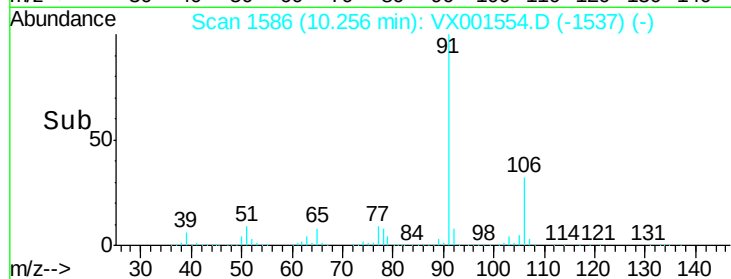
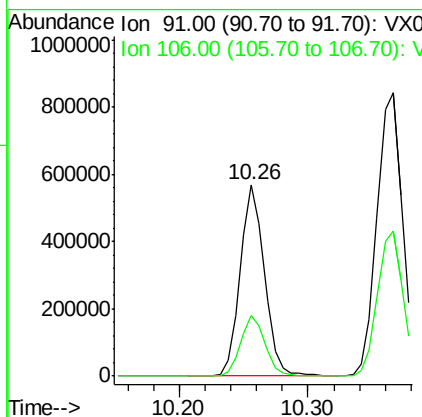
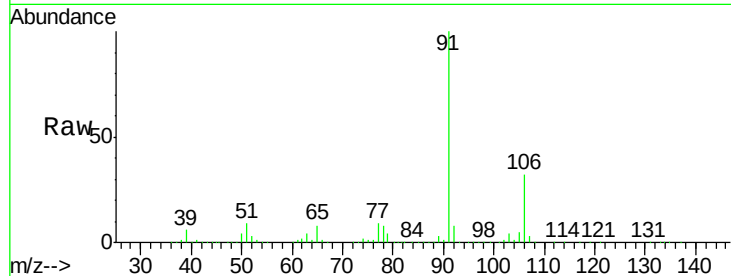
#67
Ethyl Benzene
Concen: 54.22 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 744651
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3

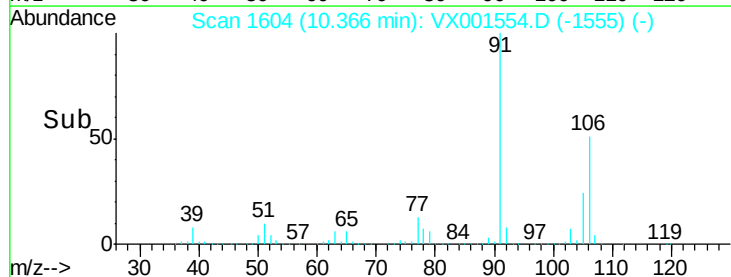
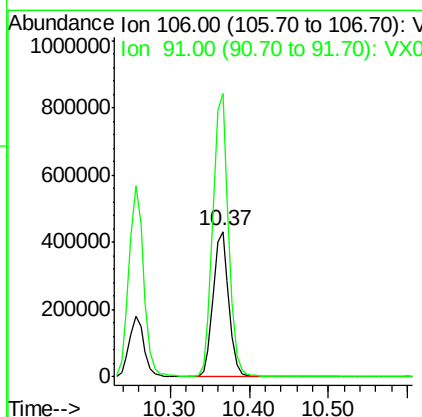
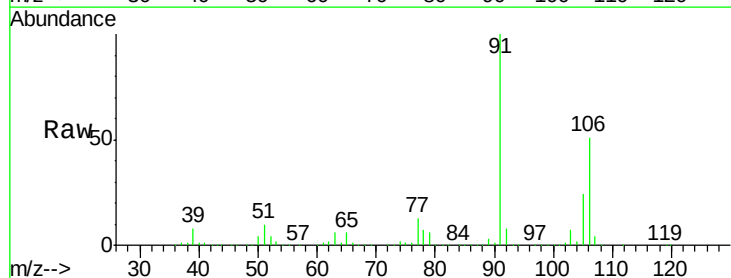
Manual Integrations
APPROVED

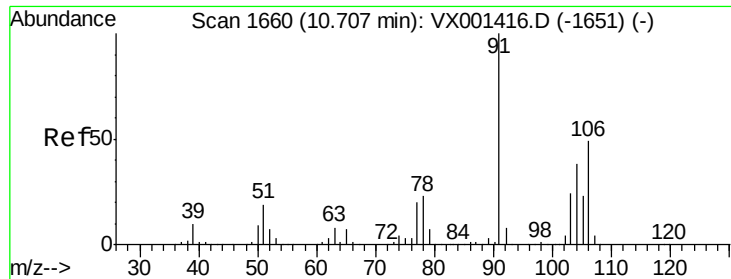
MMDadoda
5/10/2018 1:51:58 PM



#68
m/p-Xylenes
Concen: 110.03 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Tgt Ion: 106 Resp: 597049
Ion Ratio Lower Upper
106 100
91 195.9 157.5 236.3





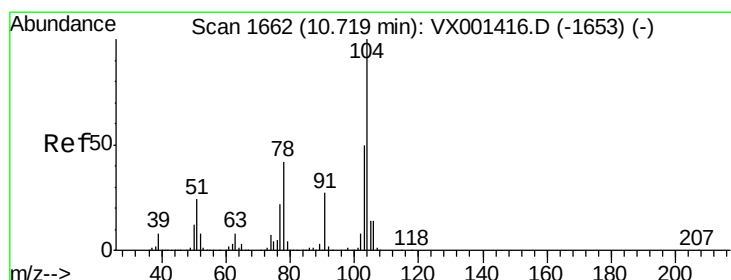
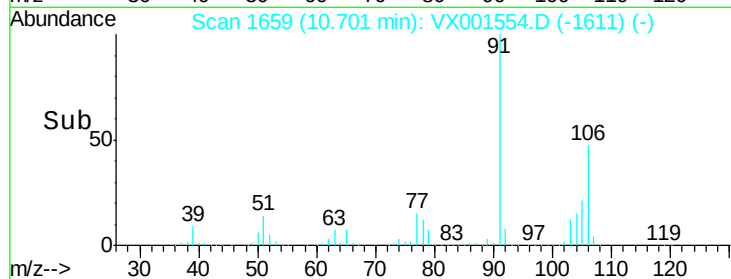
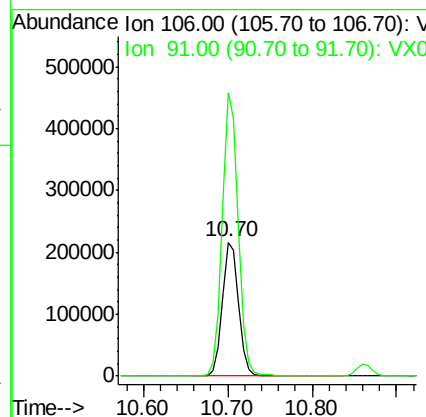
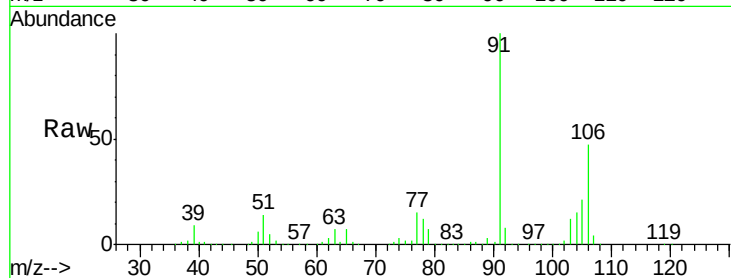
#69
o-Xylene
Concen: 55.22 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
291199	106	100			
	91	207.3	103.1	309.1	

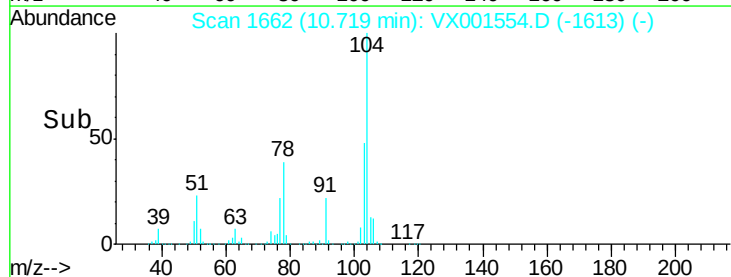
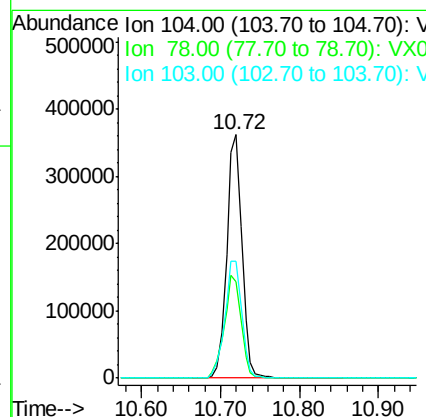
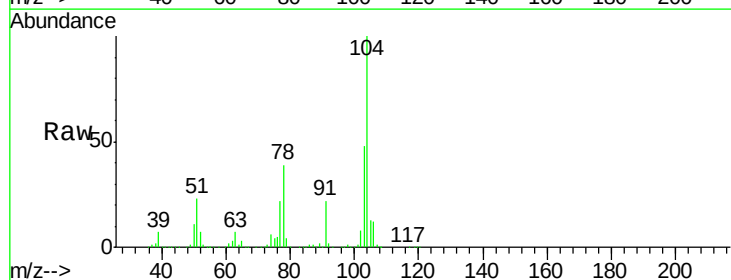
Manual Integrations
APPROVED

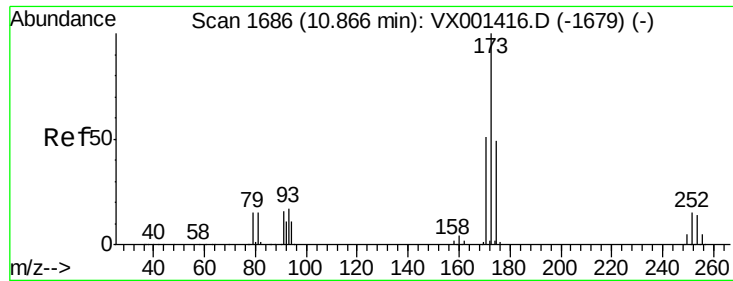
MMDadoda
5/10/2018 1:51:58 PM



#70
Styrene
Concen: 56.63 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
485205	104	100			
	78	47.1	38.6	58.0	
	103	54.4	44.0	66.0	





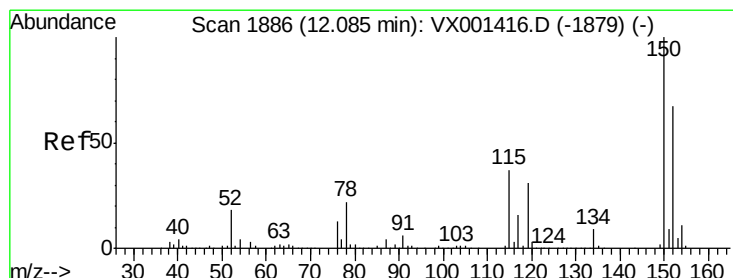
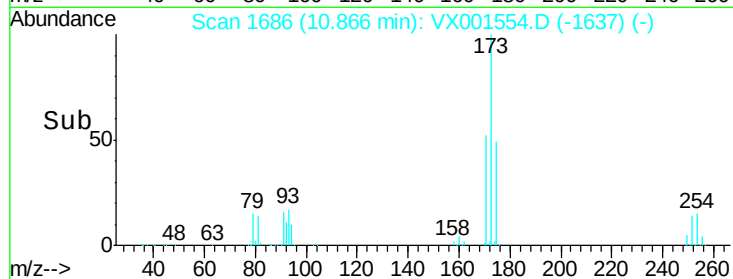
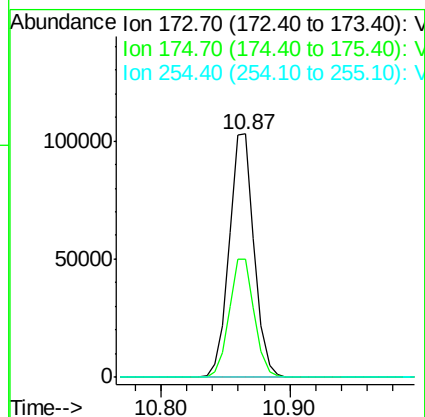
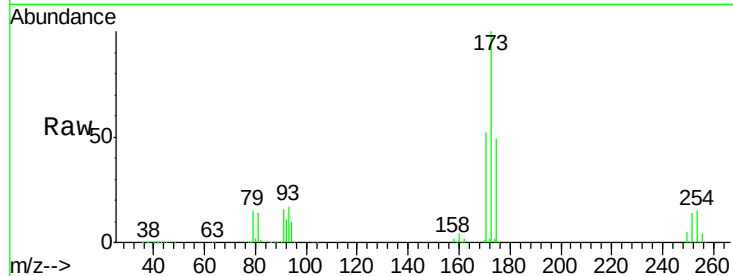
#71
Bromoform
Concen: 48.61 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.5	73.5
254	0.2	0.2	0.2

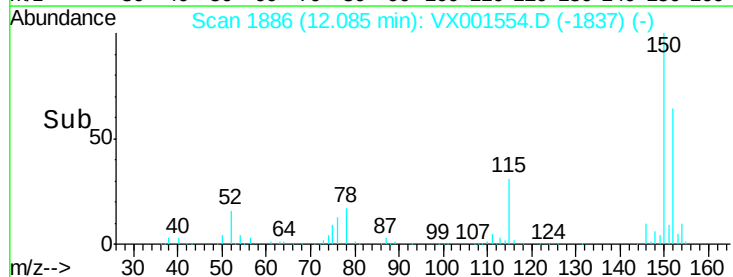
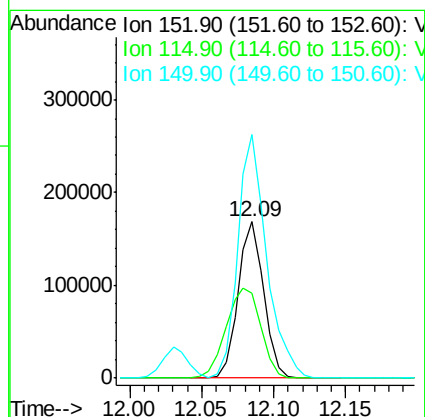
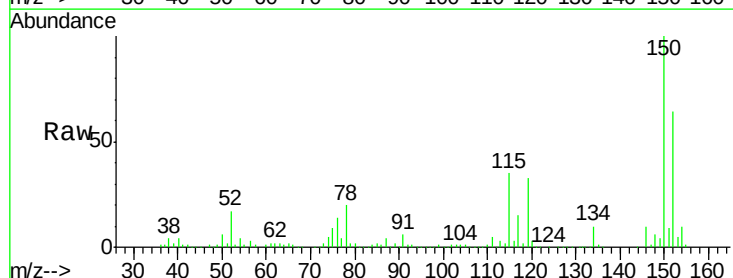
Manual Integrations
APPROVED

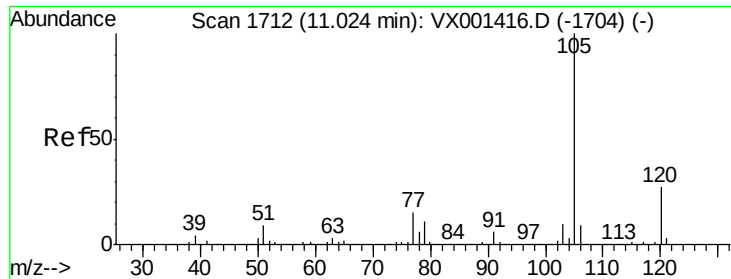
MMDadoda
5/10/2018 1:51:58 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.6	37.7	113.1
150	175.8	0.0	349.4





#73

Isopropylbenzene

Concen: 54.53 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 786479

Ion Ratio Lower Upper

105 100

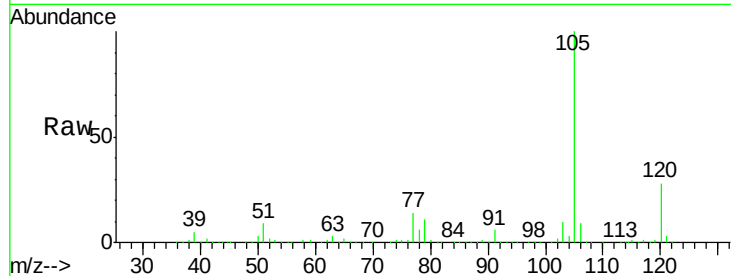
120 27.2 13.6 40.8

Manual Integrations

APPROVED

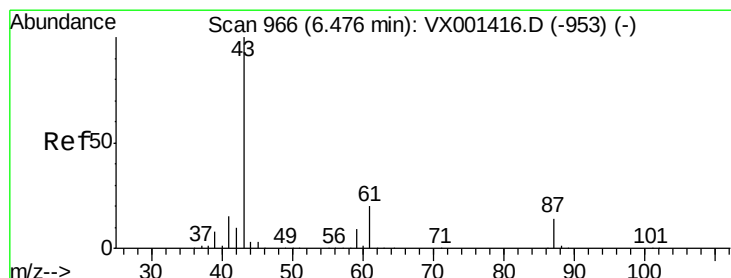
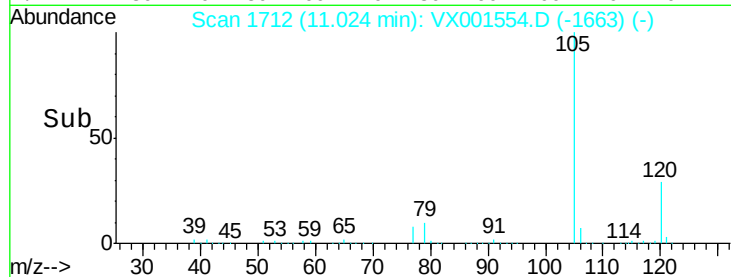
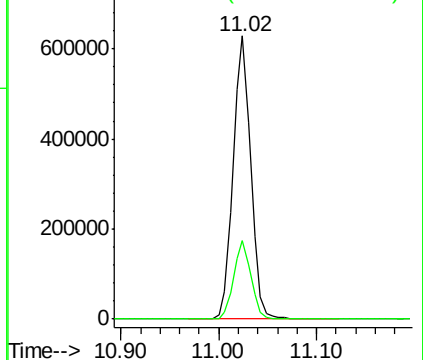
MMDadoda

5/10/2018 1:51:58 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.66 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Tgt Ion: 43 Resp: 351509

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

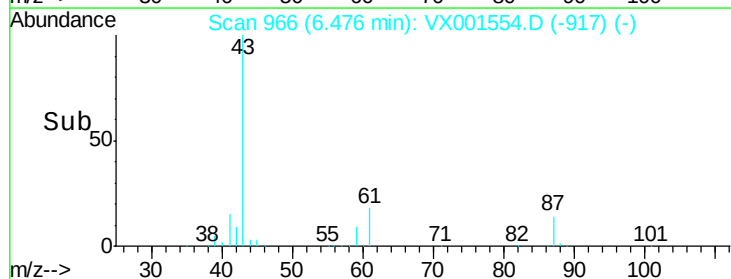
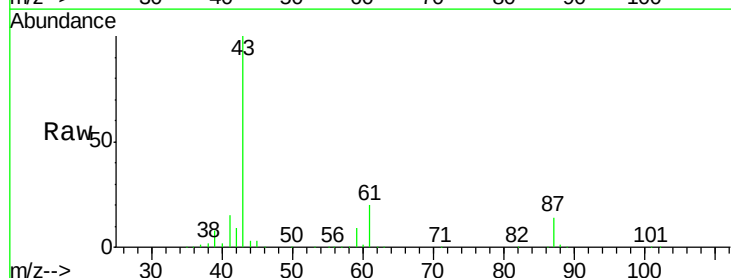
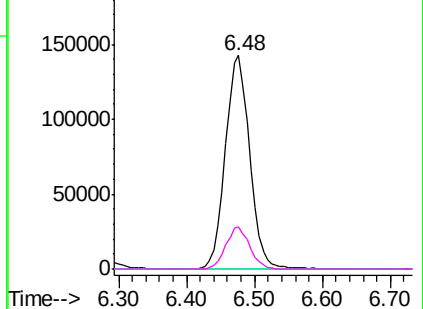
61 19.5 15.4 23.0

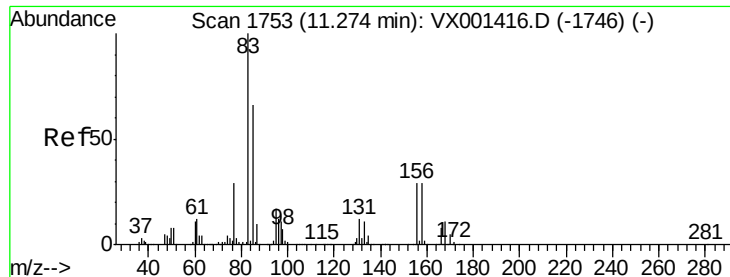
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 53.48 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 227802

Ion Ratio Lower Upper

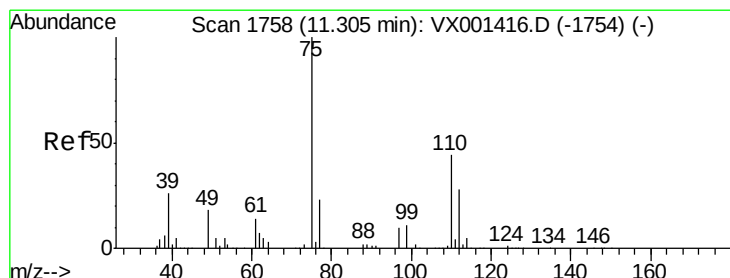
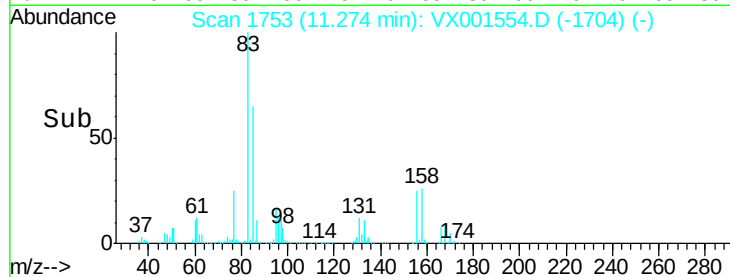
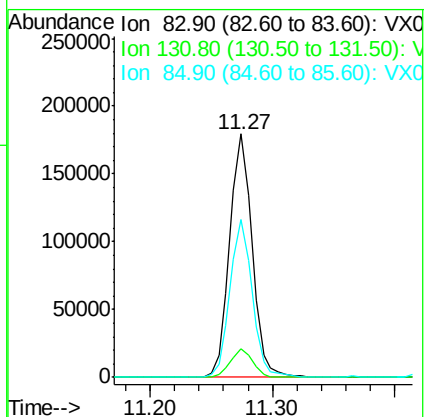
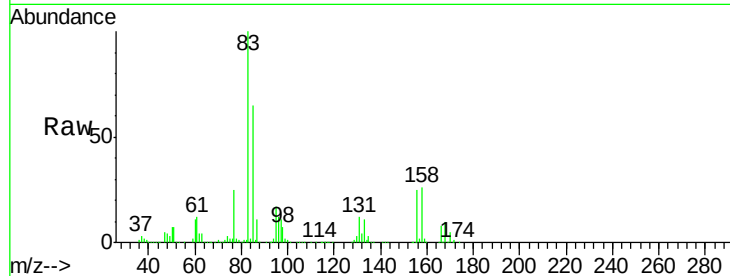
83 100

131 11.5 5.8 17.4

85 64.3 32.7 98.1

Manual Integrations
APPROVED

MMDadoda
5/10/2018 1:51:58 PM



#76

1,2,3-Trichloropropane

Concen: 54.19 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001554.D

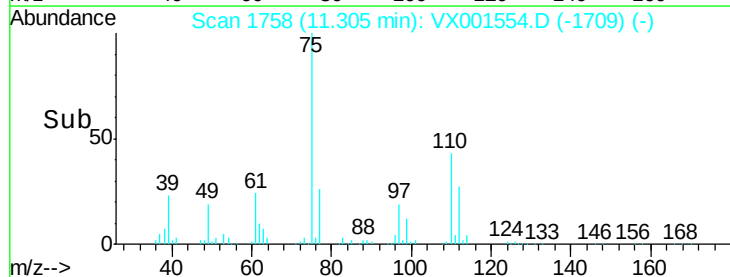
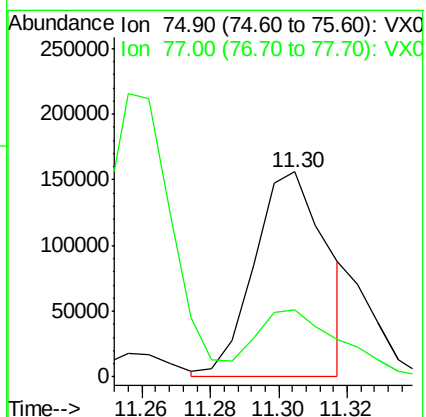
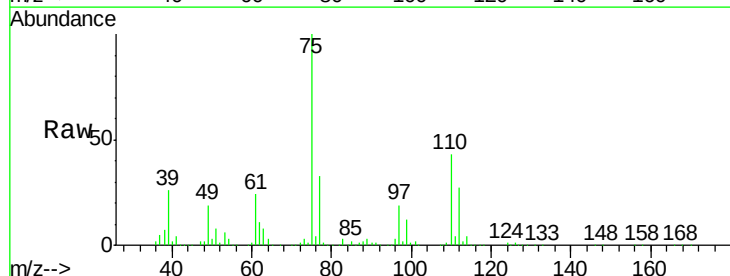
Acq: 09 May 2018 13:38

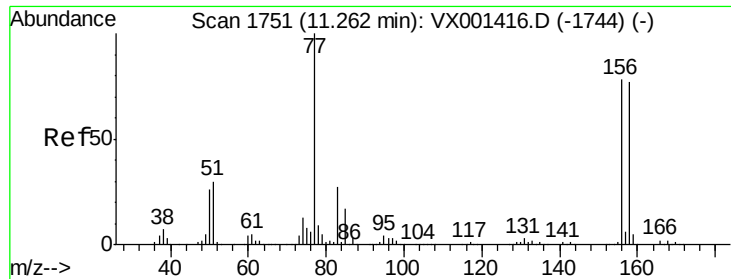
Tgt Ion: 75 Resp: 228992

Ion Ratio Lower Upper

75 100

77 37.9 19.6 58.7





#77

Bromobenzene

Concen: 52.12 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Instrument :

MSVOA_X

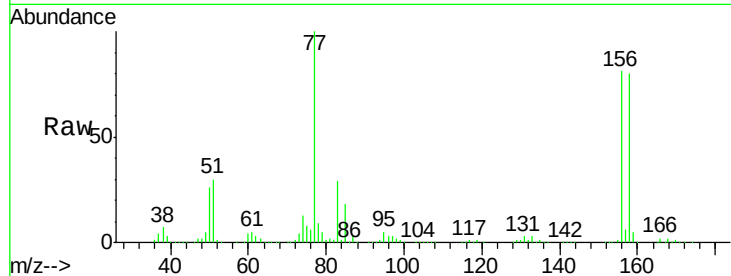
ClientSampleId :

VSTDCCC050

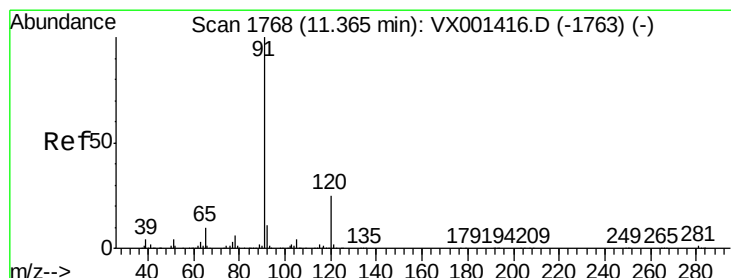
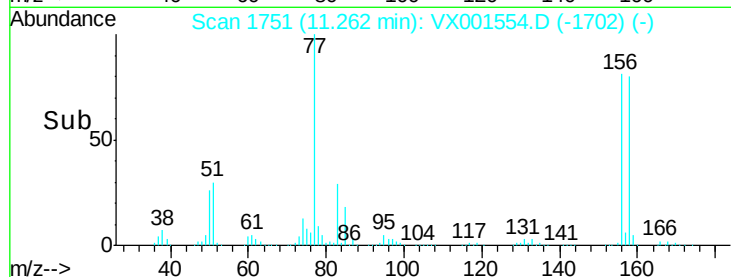
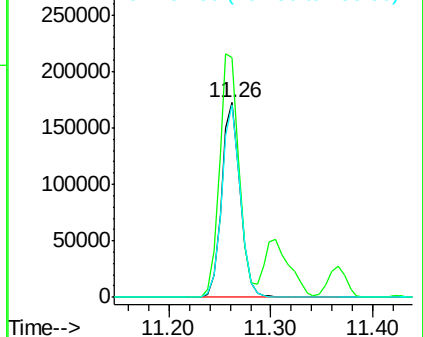
Tot Ion:	156	Resp:	218559
Ion Ratio	Lower	Upper	
156	100		
77	133.6	66.0	198.2
158	98.7	49.4	148.2

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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: 55.64 ug/l

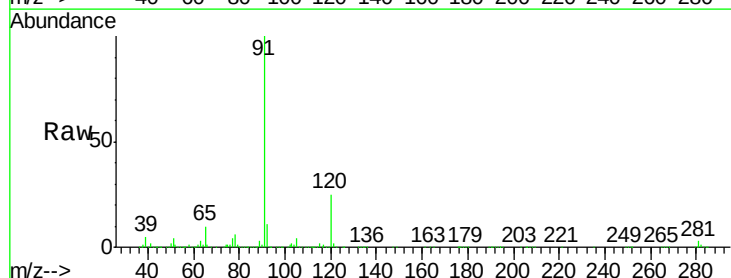
RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

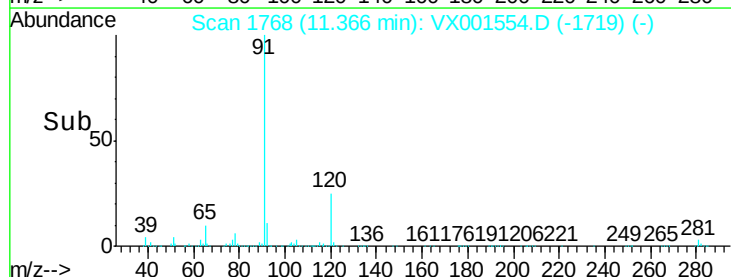
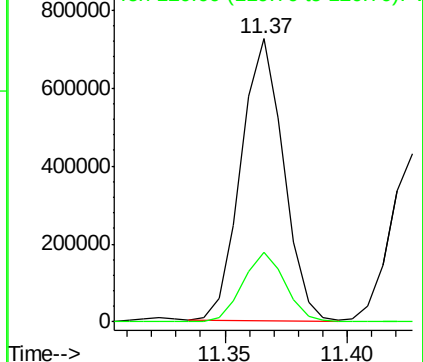
Lab File: VX001554.D

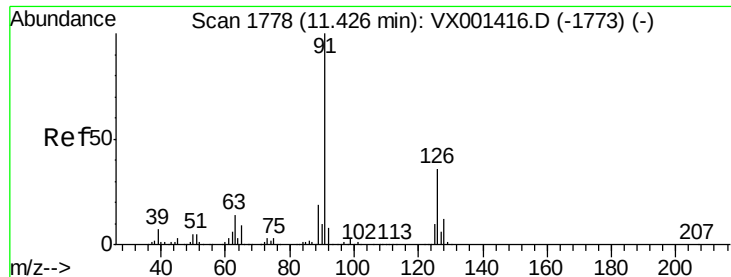
Acq: 09 May 2018 13:38

Tgt Ion:	91	Resp:	873820
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.5	37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.81 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 520037

Ion Ratio Lower Upper

91 100

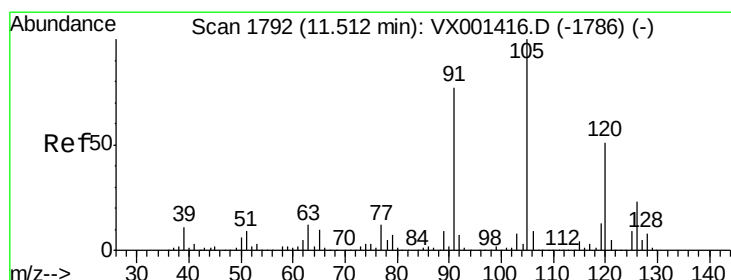
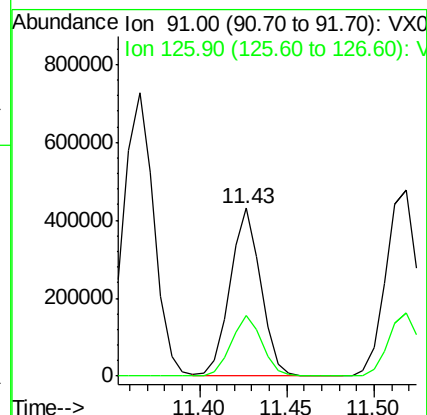
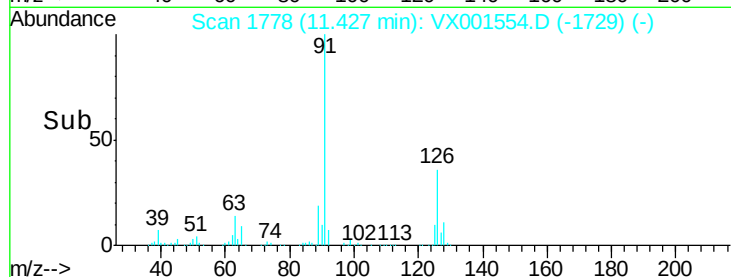
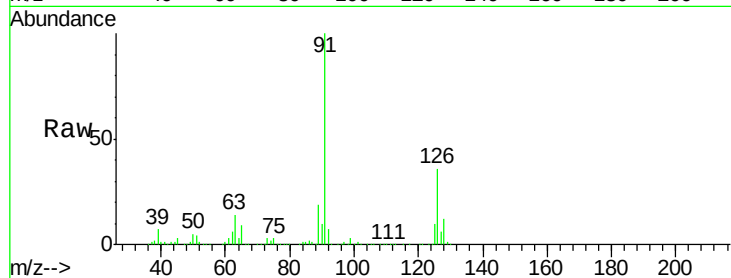
126 36.6 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 54.92 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001554.D

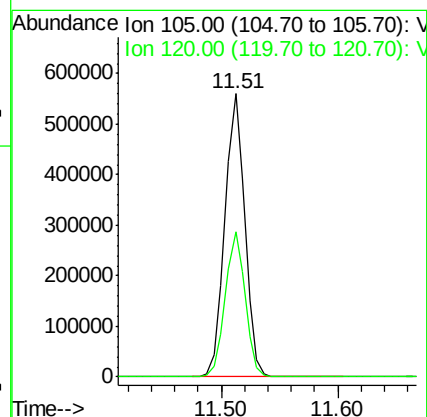
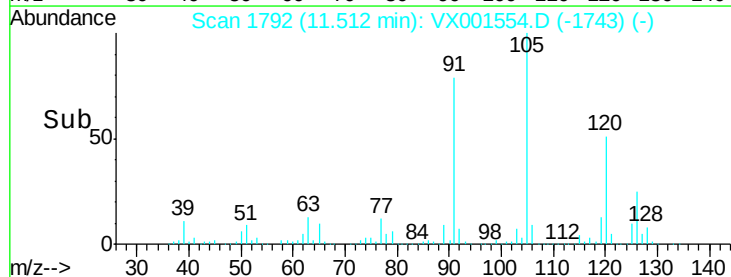
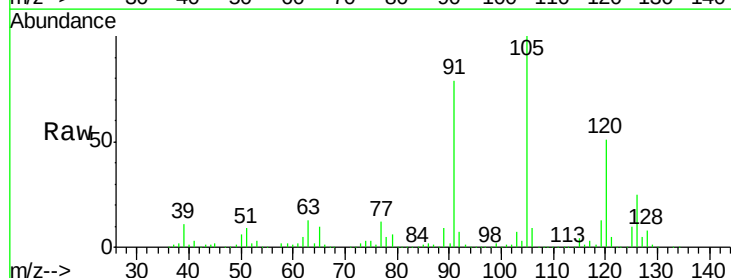
Acq: 09 May 2018 13:38

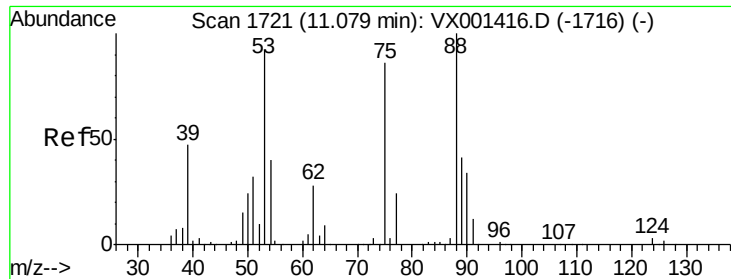
Tgt Ion: 105 Resp: 659455

Ion Ratio Lower Upper

105 100

120 51.2 25.7 77.1





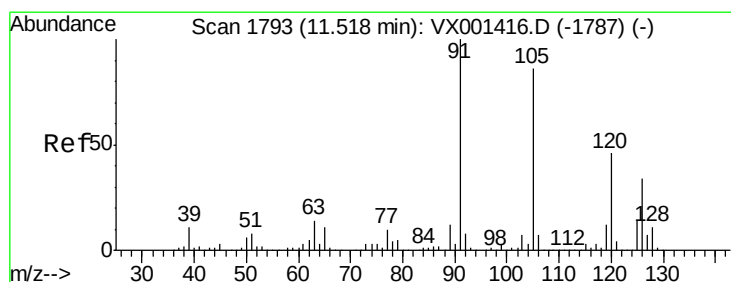
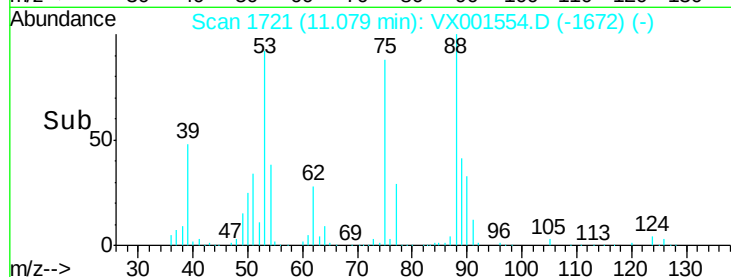
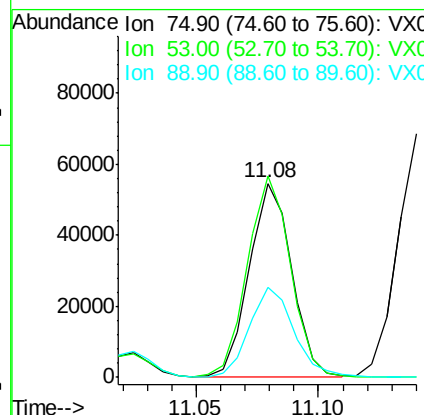
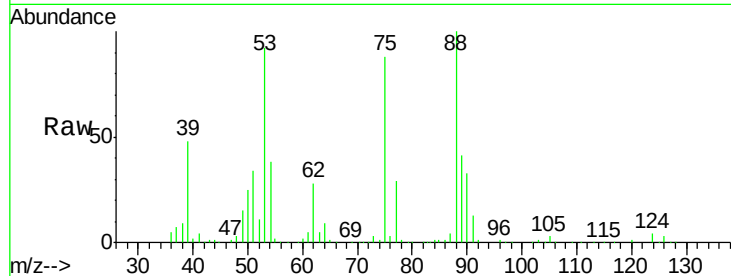
#81
trans-1,4-Dichloro-2-butene
Concen: 49.43 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.7	84.5	126.7
89	49.3	39.5	59.3

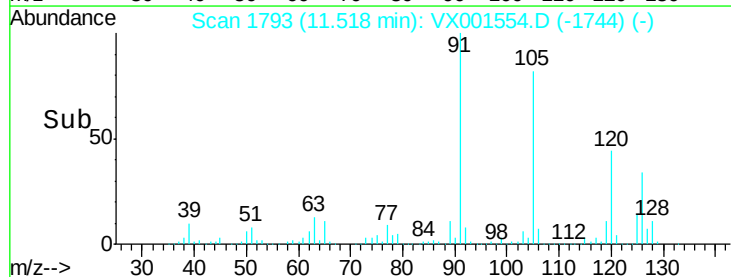
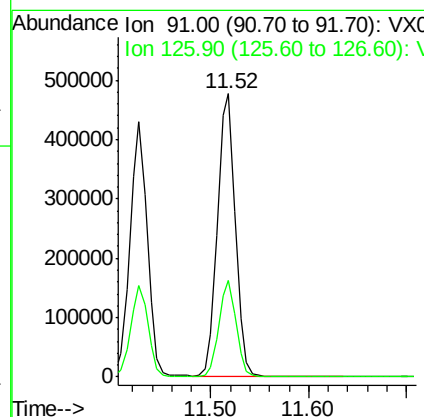
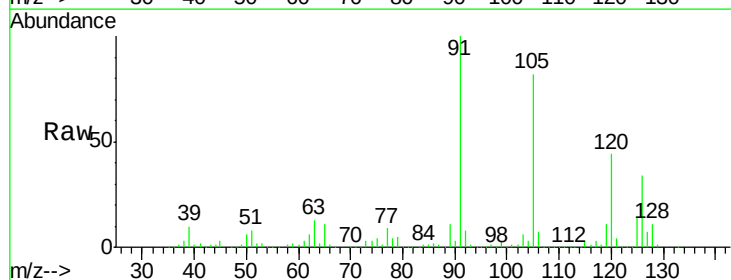
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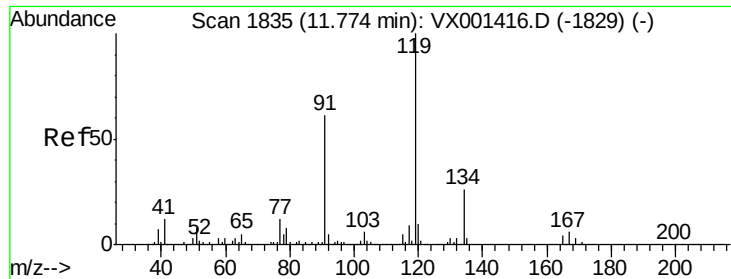
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#82
4-Chlorotoluene
Concen: 54.39 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001554.D
Acq: 09 May 2018 13:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.5





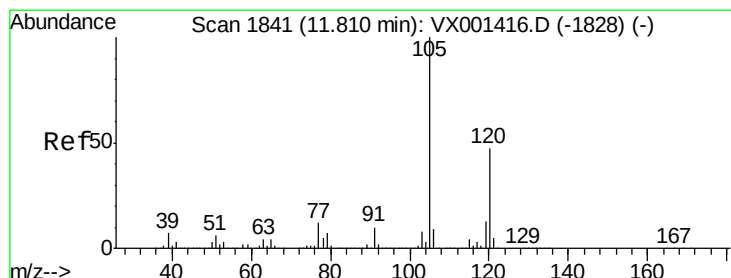
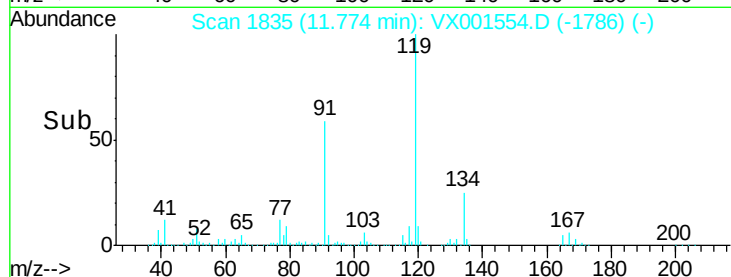
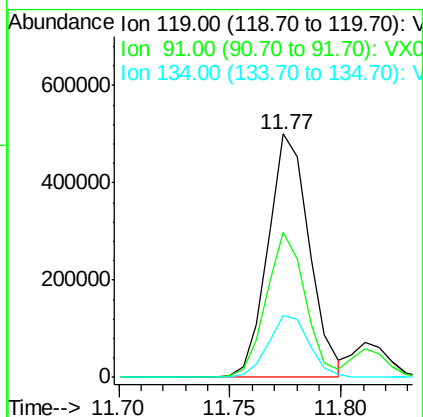
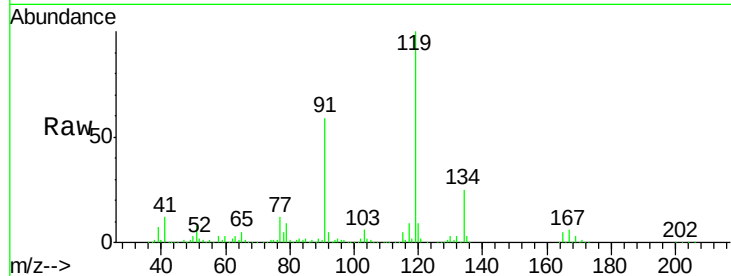
#83
 tert-Butylbenzene
 Concen: 53.94 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.6	27.8	83.3
134	25.2	12.4	37.0

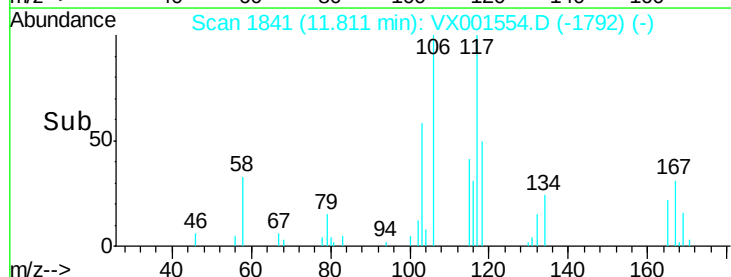
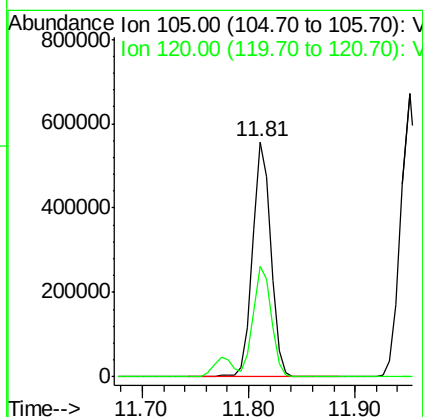
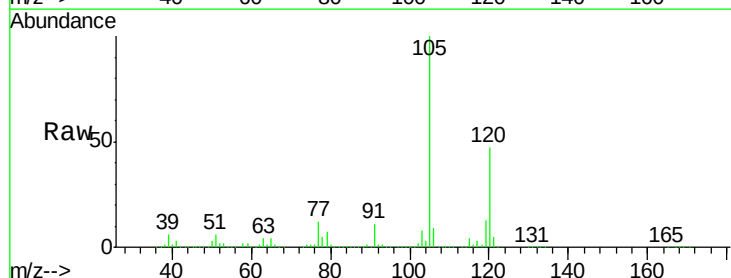
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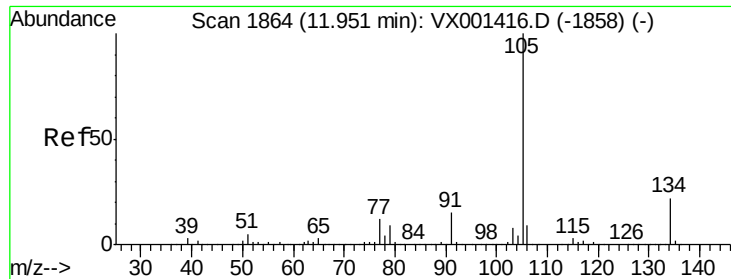
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.63 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.4	70.2





#85

sec-Butylbenzene

Concen: 55.50 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 795904

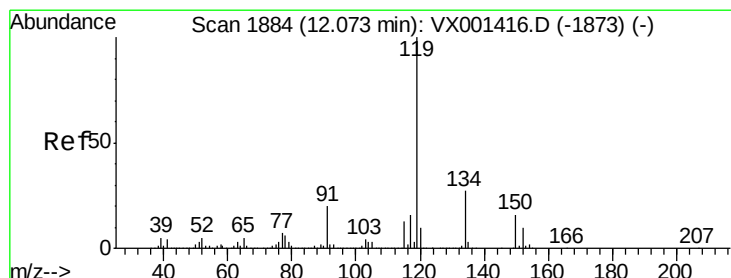
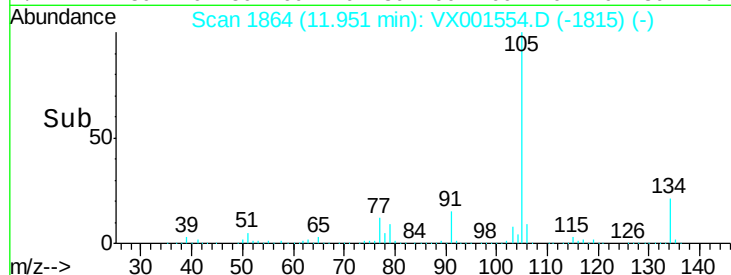
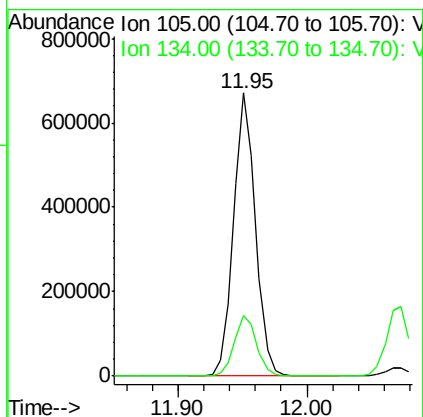
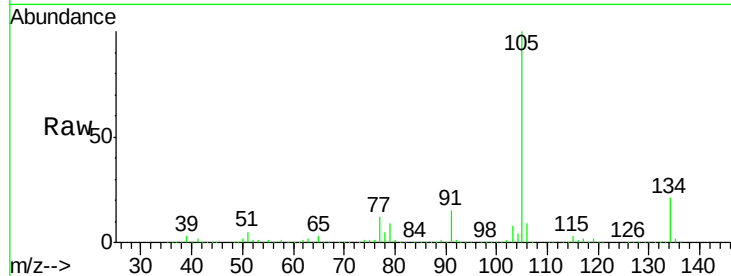
Ion Ratio Lower Upper

105 100

134 21.9 10.9 32.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 55.98 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

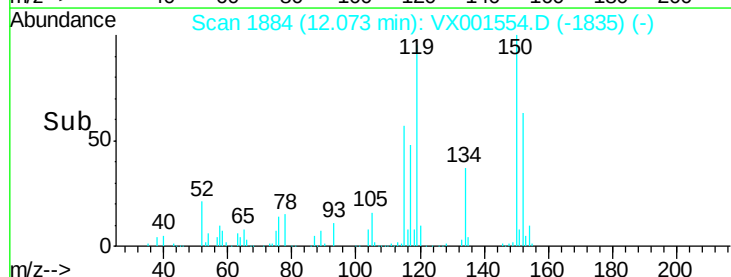
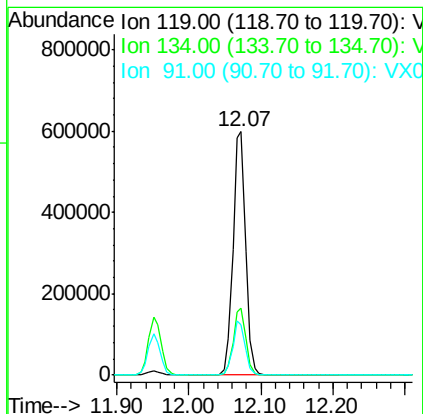
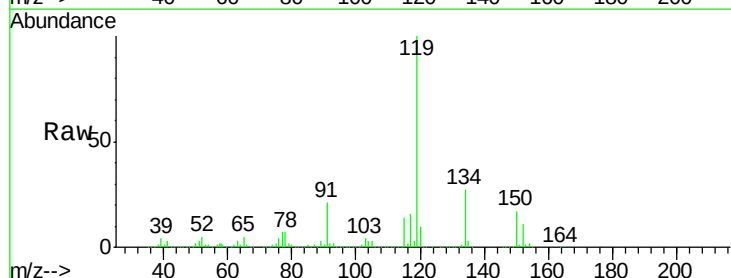
Tgt Ion:119 Resp: 736550

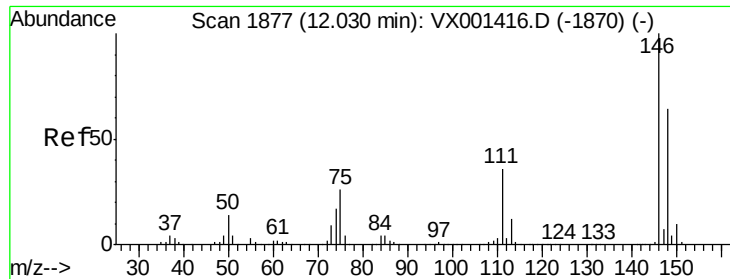
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 21.6 10.8 32.3





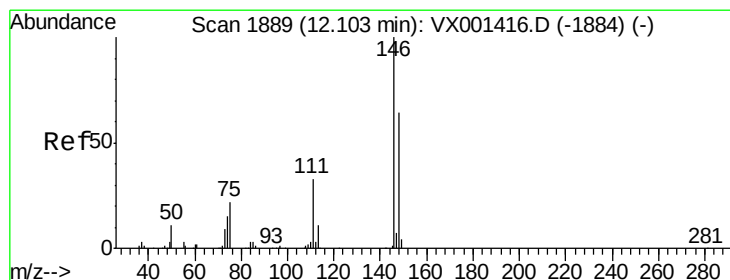
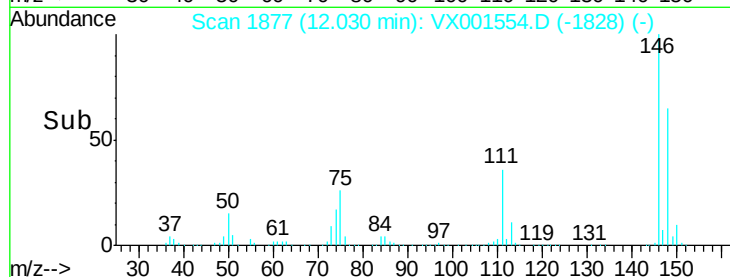
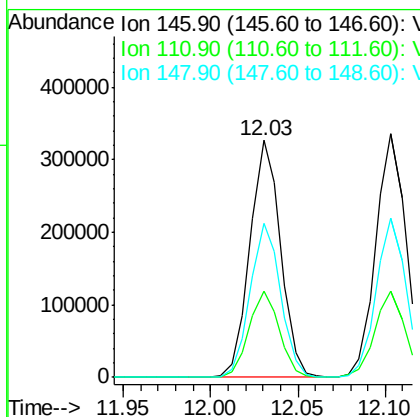
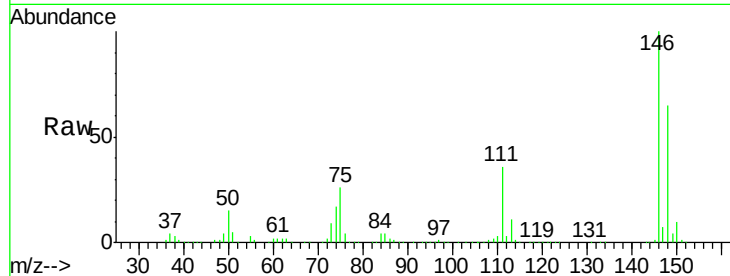
#87
 1,3-Dichlorobenzene
 Concen: 53.16 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.1	54.1
148	64.5	32.1	96.5

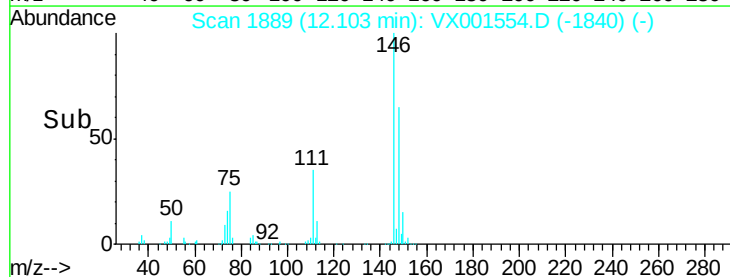
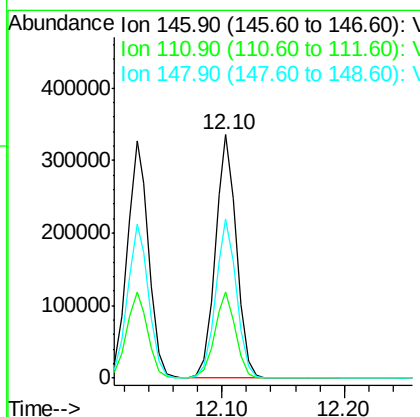
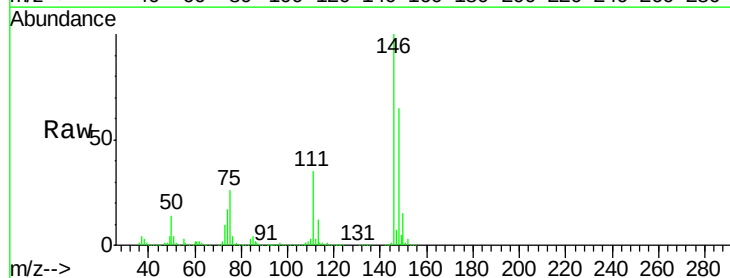
Manual Integrations
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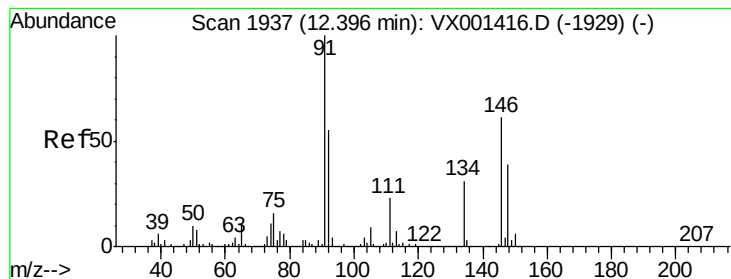
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#88
 1,4-Dichlorobenzene
 Concen: 52.74 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	17.4	52.3
148	64.5	32.2	96.6





#89

n-Butylbenzene

Concen: 55.82 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Instrument :

MSVOA_X

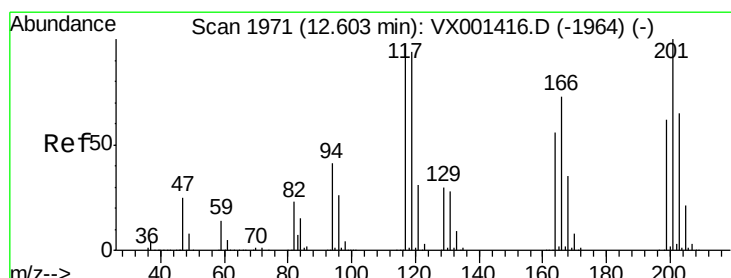
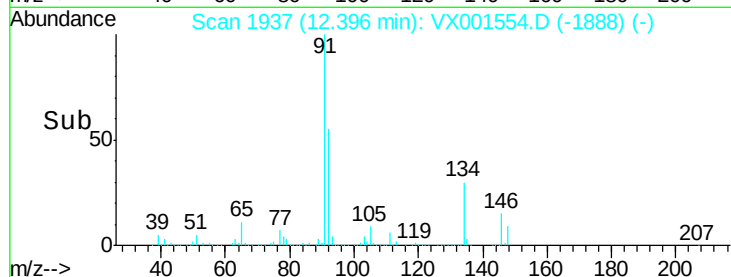
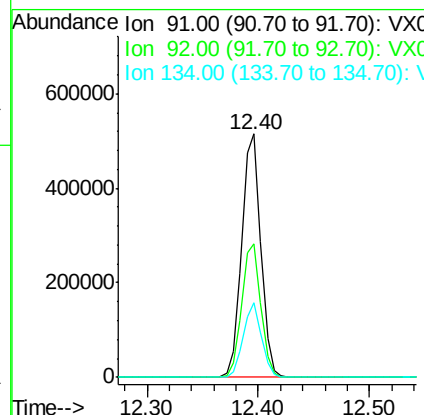
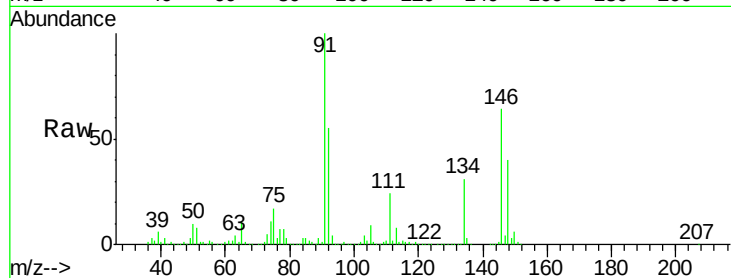
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	608524
Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.2	81.5
134	29.4	14.6	44.0

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#90

Hexachloroethane

Concen: 56.68 ug/l

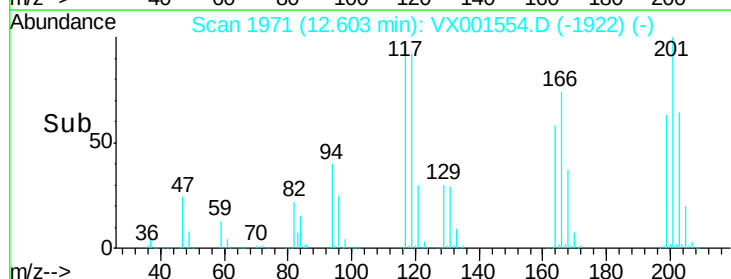
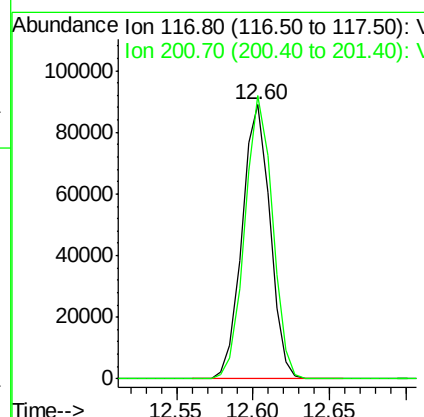
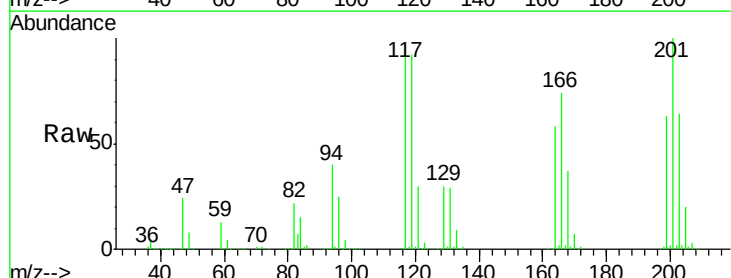
RT: 12.60 min Scan# 1971

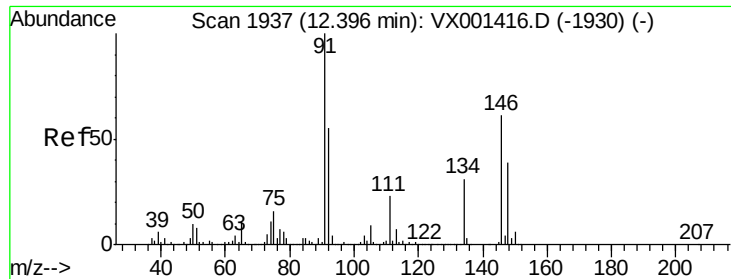
Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Tgt Ion:	117	Resp:	112278
Ion	Ratio	Lower	Upper
117	100		
201	102.4	51.5	154.5





#91

1,2-Dichlorobenzene

Concen: 53.08 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Instrument :

MSVOA_X

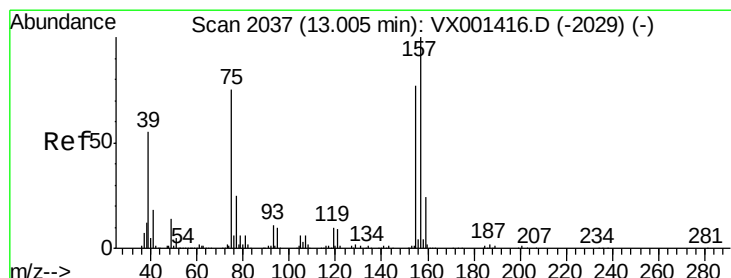
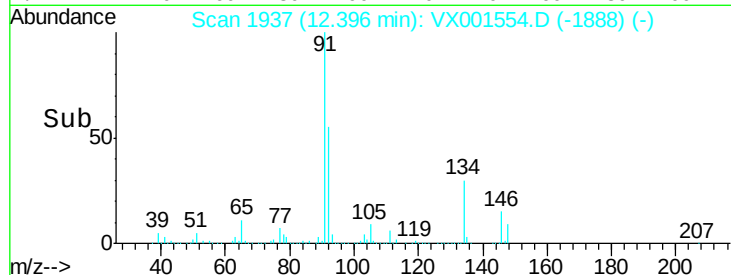
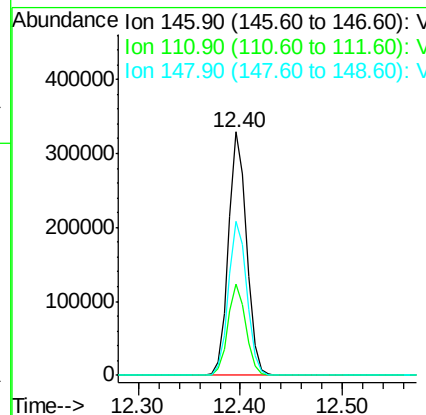
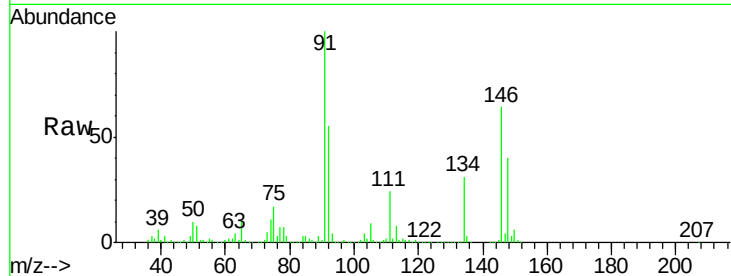
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.8
148	64.3	32.1	96.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 56.11 ug/l

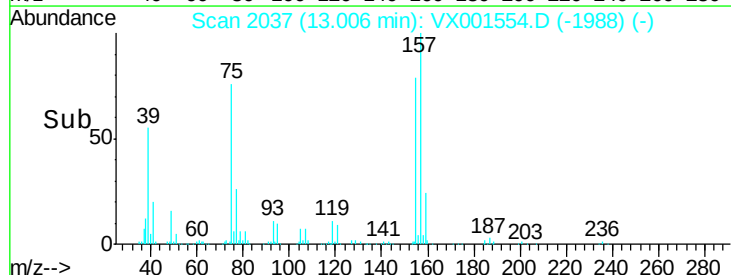
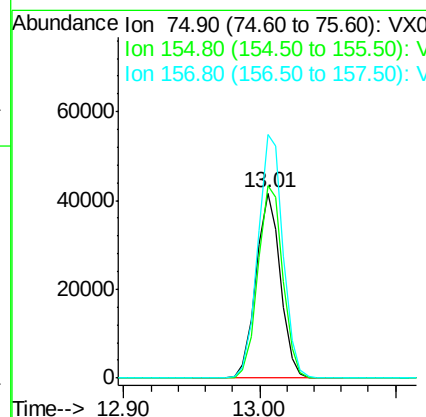
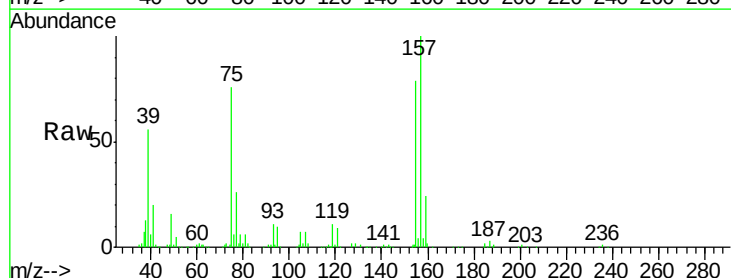
RT: 13.01 min Scan# 2037

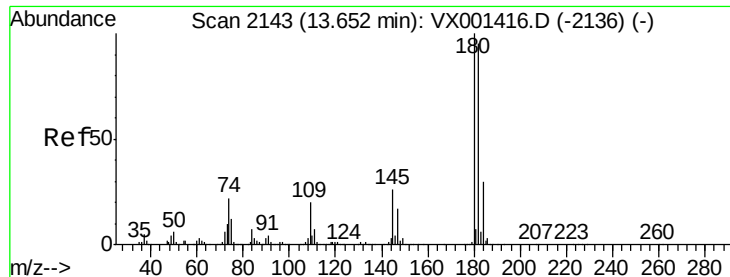
Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.1	53.4	160.2
157	134.9	68.3	204.8





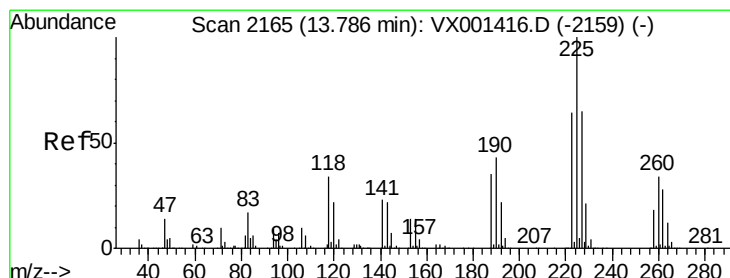
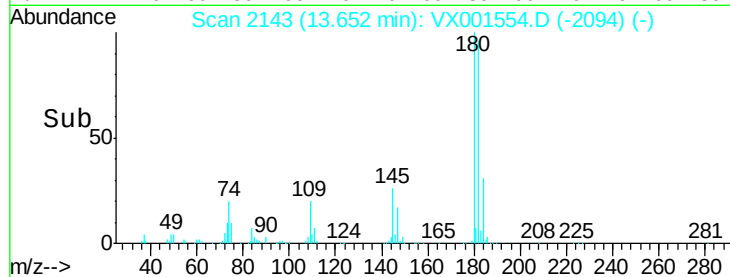
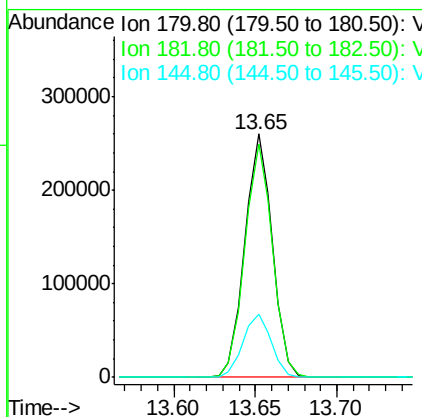
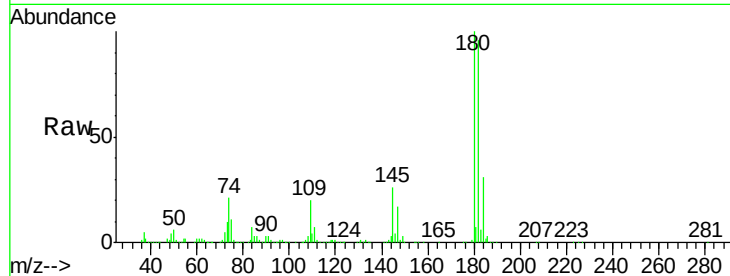
#93
 1,2,4-Trichlorobenzene
 Concen: 54.96 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	306706		
182	96.2	47.8	143.4	
145	26.7	13.3	39.9	

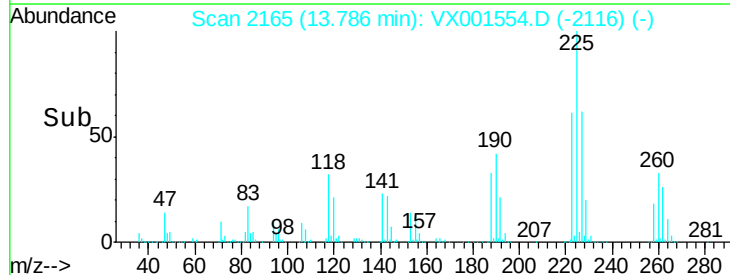
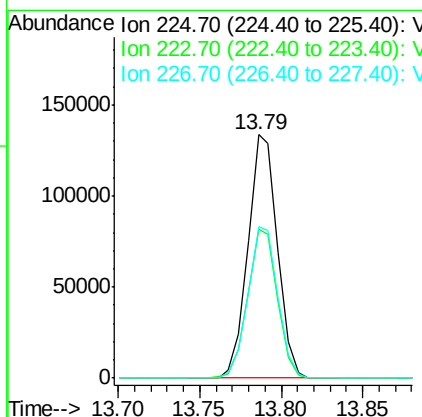
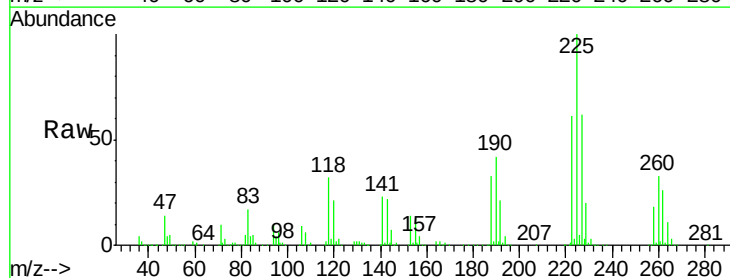
Manual Integrations
 APPROVED

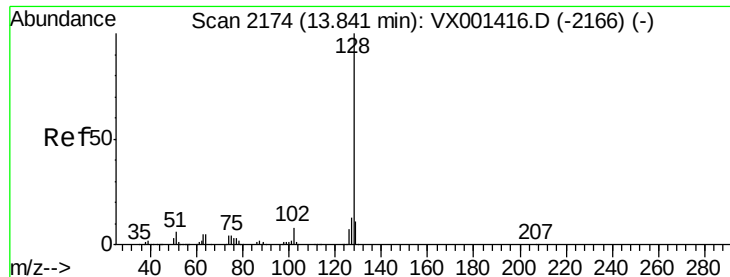
MMDadoda
 5/10/2018 1:51:58 PM



#94
 Hexachlorobutadiene
 Concen: 55.08 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001554.D
 Acq: 09 May 2018 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	168178		
223	61.6	31.3	93.9	
227	63.0	32.4	97.2	





#95

Naphthalene

Concen: 56.44 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Instrument :

MSVOA_X

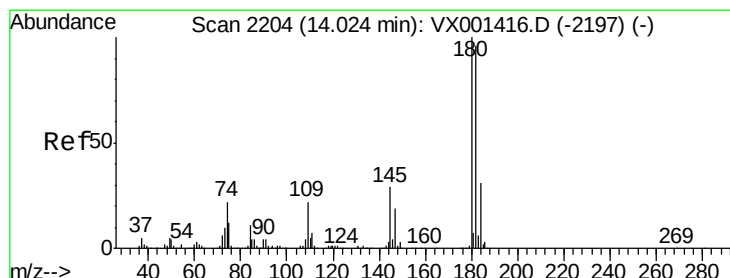
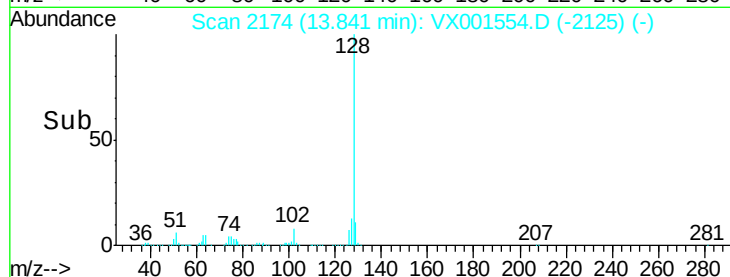
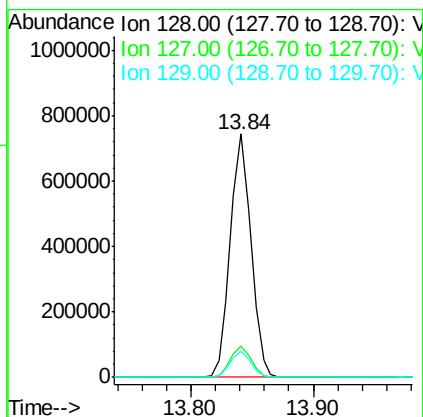
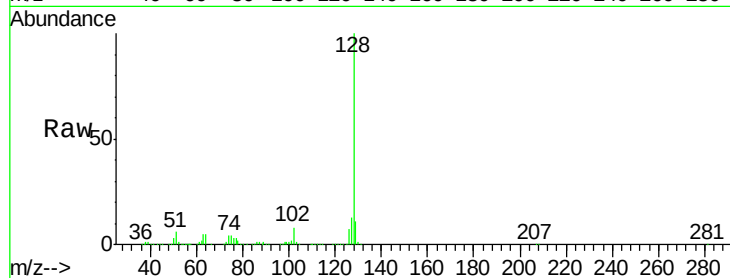
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	871080
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/10/2018 1:51:58 PM



#96

1,2,3-Trichlorobenzene

Concen: 55.07 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX001554.D

Acq: 09 May 2018 13:38

Tgt Ion:	180	Resp:	315309
Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.0	144.2
145	28.4	14.1	42.4

