

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021220\
 Data File : VX014935.D
 Acq On : 12 Feb 2020 18:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 11:14:55 AM

Quant Time: Feb 13 05:36:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	457160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	687515	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	652895	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	352911	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	253165	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
35) Dibromofluoromethane	5.49	113	212990	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	8.71	98	813976	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.13	95	305612	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	218910	50.564	ug/l	100
3) Chloromethane	1.32	50	252159	51.373	ug/l	99
4) Vinyl Chloride	1.40	62	268498	50.779	ug/l	98
5) Bromomethane	1.63	94	165309	48.299	ug/l	97
6) Chloroethane	1.72	64	168717	49.868	ug/l	98
7) Trichlorofluoromethane	1.92	101	363407	49.191	ug/l	98
8) Diethyl Ether	2.18	74	155414	50.730	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	205883	48.011	ug/l	100
10) Methyl Iodide	2.50	142	269429	55.803	ug/l	99
11) Tert butyl alcohol	3.03	59	272261	298.871	ug/l	100
12) 1,1-Dichloroethene	2.37	96	210060	50.130	ug/l	96
13) Acrolein	2.28	56	147102	211.870	ug/l	98
14) Allyl chloride	2.72	41	370588	49.882	ug/l	98
15) Acrylonitrile	3.13	53	600657	260.096	ug/l	99
16) Acetone	2.43	43	600150	215.015	ug/l	98
17) Carbon Disulfide	2.56	76	564525	48.218	ug/l	99
18) Methyl Acetate	2.76	43	272723	52.484	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	705586	51.739	ug/l	100
20) Methylene Chloride	2.85	84	234743	47.297	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	227941	49.299	ug/l	98
22) Diisopropyl ether	3.84	45	733484	51.693	ug/l	94
23) Vinyl Acetate	3.80	43	3224196	275.643	ug/l	100
24) 1,1-Dichloroethane	3.69	63	403421	50.376	ug/l	99
25) 2-Butanone	4.65	43	877551	249.835	ug/l	99
26) 2,2-Dichloropropane	4.58	77	332079	48.118	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	259657	50.238	ug/l	99
28) Bromochloromethane	5.01	49	162024	52.198	ug/l	99
29) Tetrahydrofuran	5.11	42	544631	272.759	ug/l	100
30) Chloroform	5.20	83	402648	50.677	ug/l	100
31) Cyclohexane	5.58	56	363166	49.790	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	346107	49.798	ug/l	99
36) 1,1-Dichloropropene	5.79	75	310001	50.406	ug/l	99
37) Ethyl Acetate	4.82	43	336271	52.424	ug/l	100
38) Carbon Tetrachloride	5.78	117	298911	49.873	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	383207	49.822	ug/l	98
40) Benzene	6.14	78	925721	50.379	ug/l	100
41) Methacrylonitrile	5.03	41	184801	53.480	ug/l	99
42) 1,2-Dichloroethane	6.18	62	326315	49.134	ug/l	99
43) Isopropyl Acetate	6.43	43	558625	52.794	ug/l	100
44) Trichloroethene	7.21	130	262054	49.126	ug/l	98
45) 1,2-Dichloropropane	7.51	63	236344	50.433	ug/l	97
46) Dibromomethane	7.65	93	159245	49.713	ug/l	99
47) Bromodichloromethane	7.89	83	315604	49.690	ug/l	99
48) Methyl methacrylate	7.76	41	278862	53.551	ug/l	100
49) 1,4-Dioxane	7.73	88	122136	1254.442	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	1705780	266.976	ug/l	100
52) Toluene	8.78	92	591968	50.722	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	361317	51.907	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	390399	50.769	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	236174	50.018	ug/l	99
56) Ethyl methacrylate	9.17	69	384781	54.215	ug/l	99
57) 1,3-Dichloropropane	9.37	76	399654	50.281	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	975138	262.717	ug/l	100
59) 2-Hexanone	9.48	43	1331886	265.208	ug/l	99
60) Dibromochloromethane	9.57	129	257443	50.664	ug/l	98
61) 1,2-Dibromoethane	9.67	107	256121	50.272	ug/l	99
64) Tetrachloroethene	9.33	164	254256	41.652	ug/l	99
65) Chlorobenzene	10.14	112	649729	49.064	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	239501	49.817	ug/l	99
67) Ethyl Benzene	10.25	91	1143989	50.796	ug/l	98
68) m/p-Xylenes	10.35	106	878334	101.238	ug/l	97
69) o-Xylene	10.70	106	416154	49.899	ug/l	99
70) Styrene	10.71	104	742469	52.624	ug/l	99
71) Bromoform	10.85	173	203981	50.831	ug/l	99
73) Isopropylbenzene	11.01	105	1107773	50.054	ug/l	99
74) N-amyl acetate	10.89	43	523094	56.885	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	360941	49.891	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	302009m	47.324	ug/l	
77) Bromobenzene	11.25	156	302247	48.930	ug/l	98
78) n-propylbenzene	11.35	91	1288479	50.337	ug/l	100
79) 2-Chlorotoluene	11.42	91	740281	49.193	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	934863	50.555	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	125673	50.407	ug/l	99
82) 4-Chlorotoluene	11.51	91	881149	49.445	ug/l	100
83) tert-Butylbenzene	11.76	119	932838	53.271	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	950019	50.978	ug/l	99
85) sec-Butylbenzene	11.94	105	1087293	49.982	ug/l	100
86) p-Isopropyltoluene	12.06	119	1016933	49.955	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	547421	49.399	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	545493	48.204	ug/l	99
89) n-Butylbenzene	12.38	91	929715	50.994	ug/l	99
90) Hexachloroethane	12.59	117	177051	49.803	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	526381	48.437	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	82039	48.336	ug/l	97

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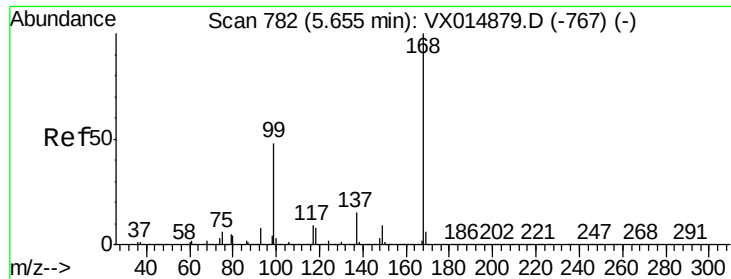
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	411773	51.335	ug/l	97
94) Hexachlorobutadiene	13.77	225	178978	46.131	ug/l	99
95) Naphthalene	13.83	128	1186475	55.632	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	394455	50.900	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 457160

Ion Ratio Lower Upper

168 100

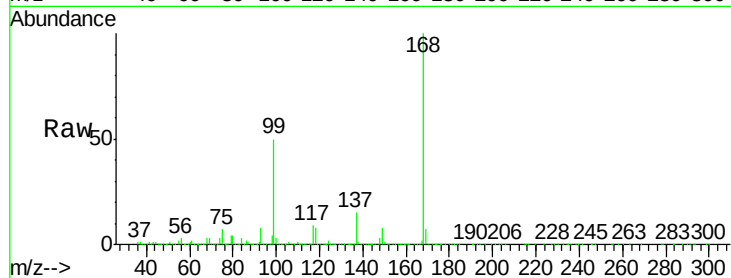
99 49.6 38.7 58.1

Manual Integrations

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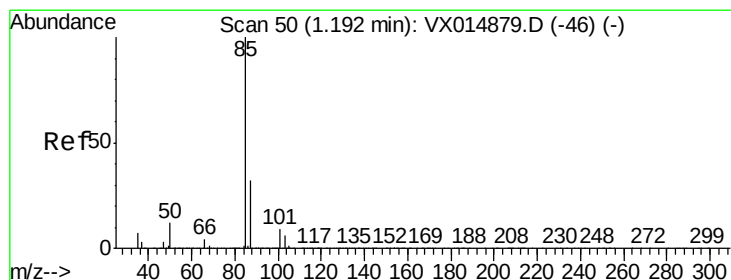
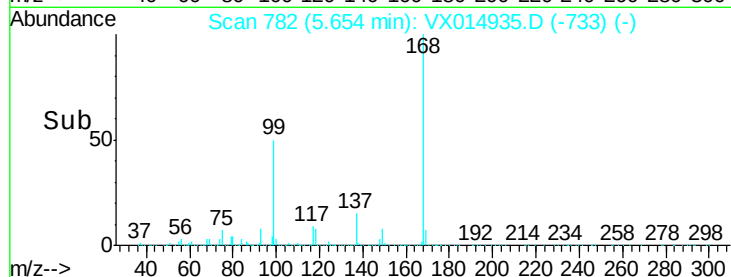
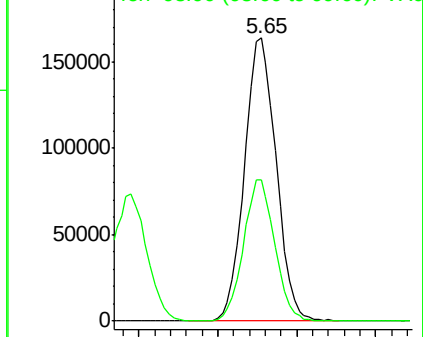
MMDadoda

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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: 50.564 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX014935.D

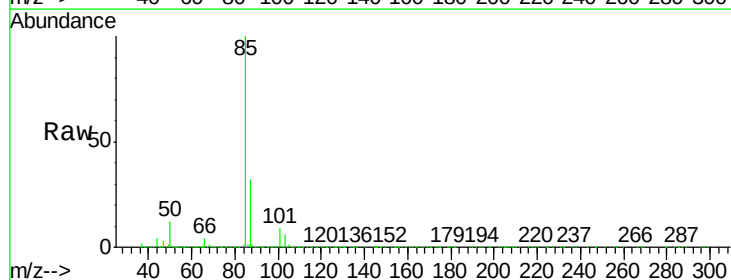
Acq: 12 Feb 2020 18:47

Tgt Ion: 85 Resp: 218910

Ion Ratio Lower Upper

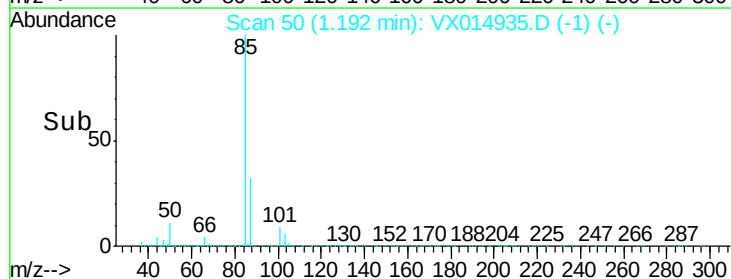
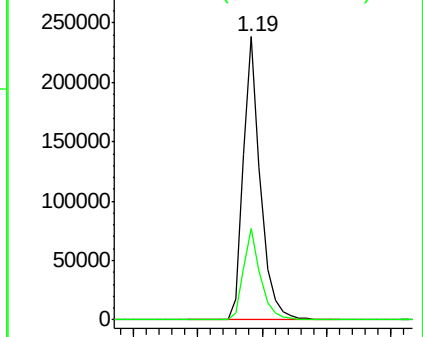
85 100

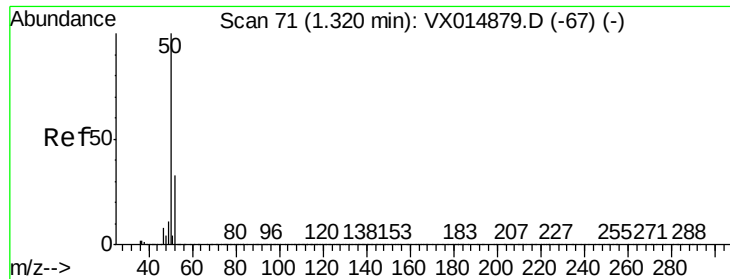
87 32.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 51.373 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 252159

Ion Ratio Lower Upper

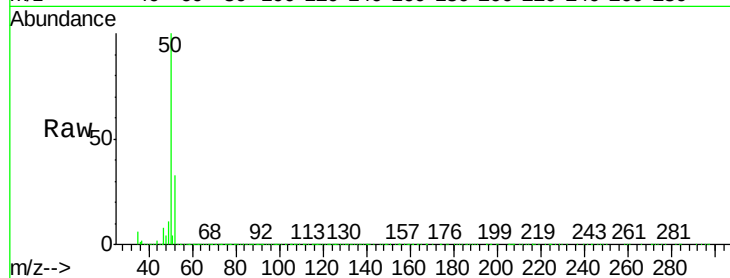
50 100

52 33.3 26.2 39.2

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300000

250000

200000

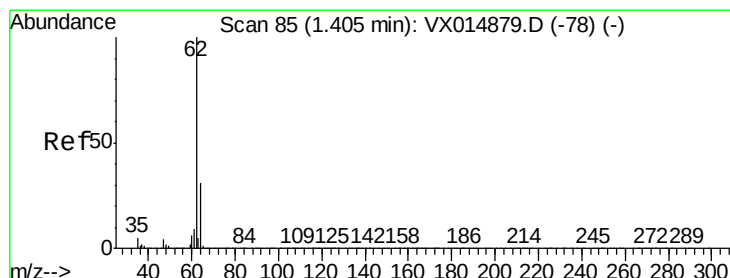
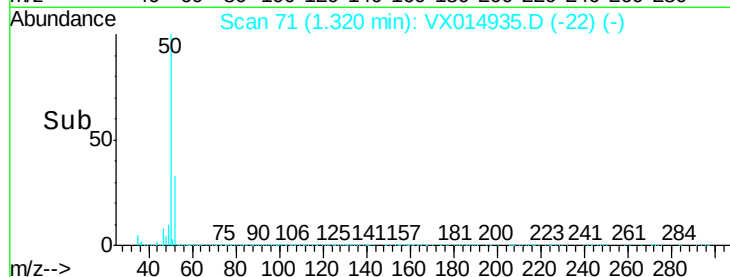
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 50.779 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.01 min

Lab File: VX014935.D

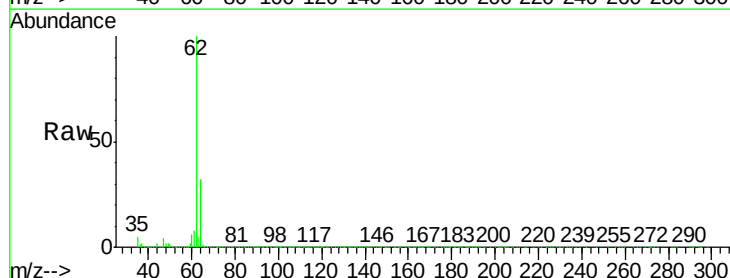
Acq: 12 Feb 2020 18:47

Tgt Ion: 62 Resp: 268498

Ion Ratio Lower Upper

62 100

64 32.0 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

300000

250000

200000

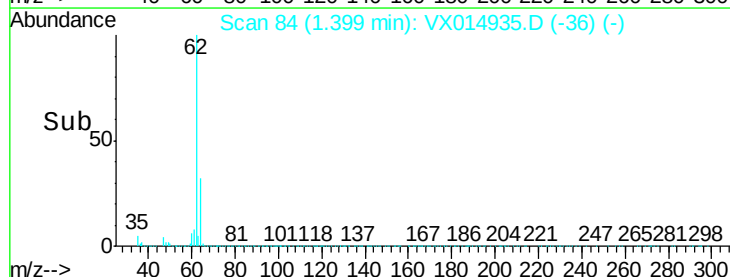
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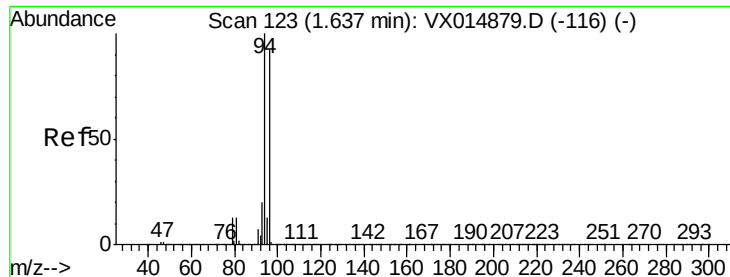
100000

50000

0

Time--> 1.30 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 48.299 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.01 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 165309

Ion Ratio Lower Upper

94 100

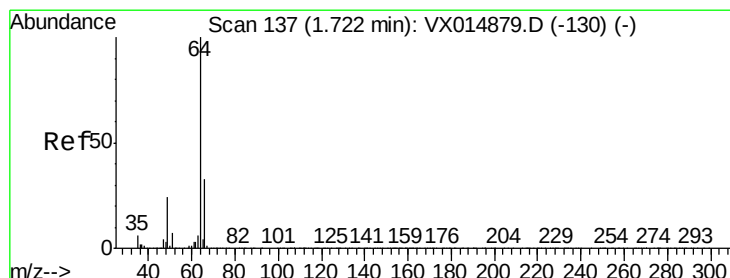
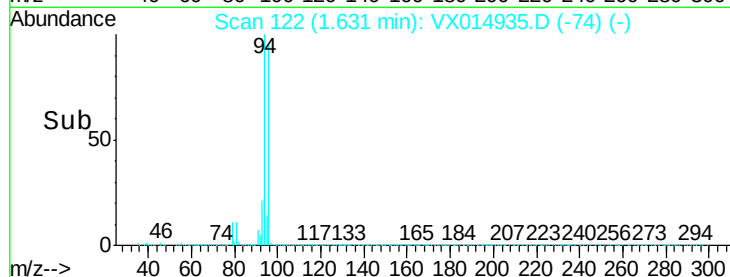
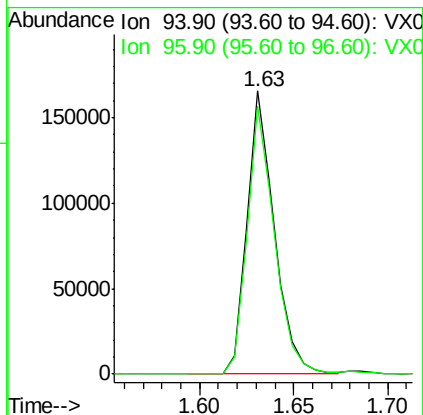
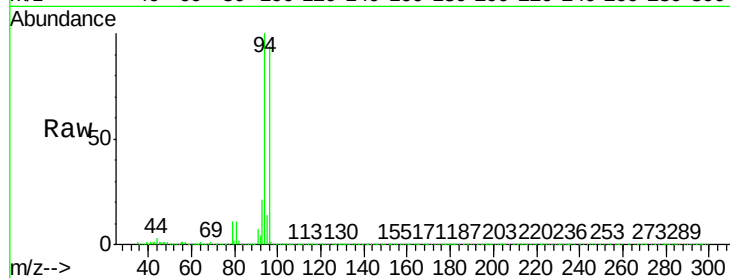
96 94.5 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 49.868 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.01 min

Lab File: VX014935.D

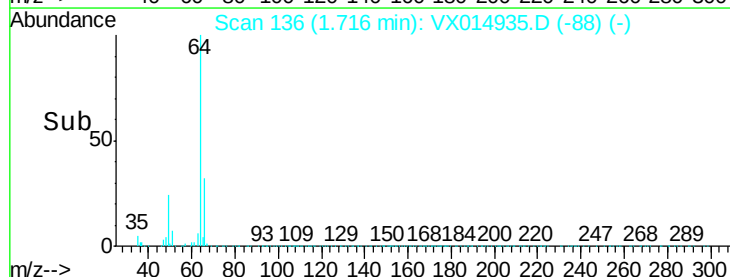
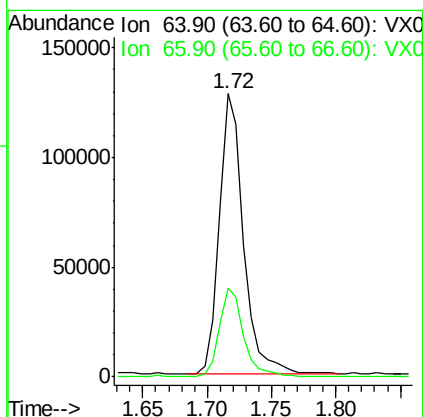
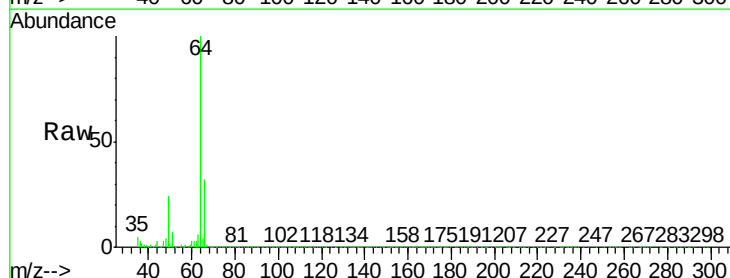
Acq: 12 Feb 2020 18:47

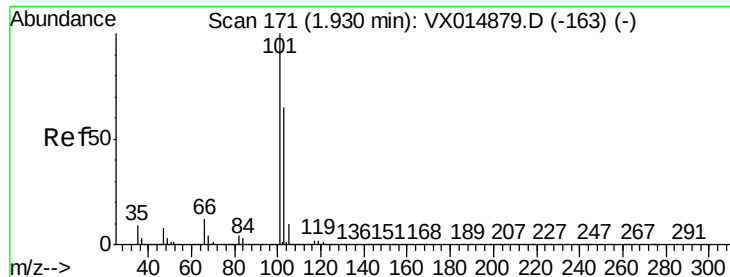
Tgt Ion: 64 Resp: 168717

Ion Ratio Lower Upper

64 100

66 31.7 26.2 39.4





#7

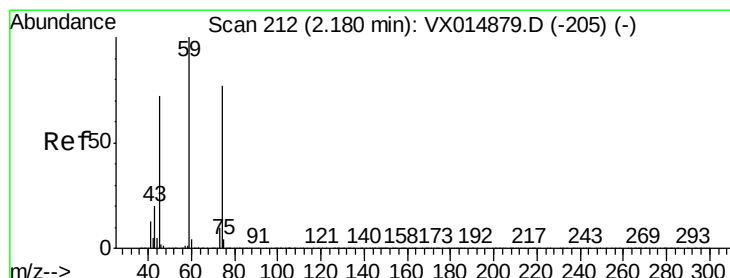
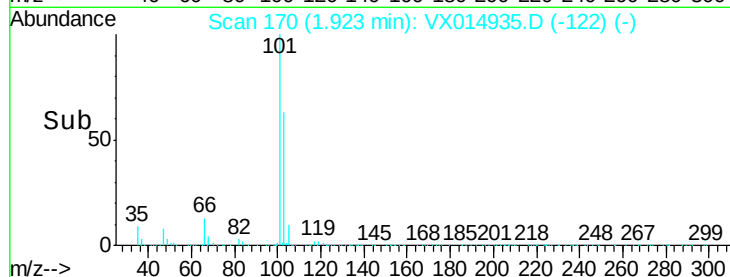
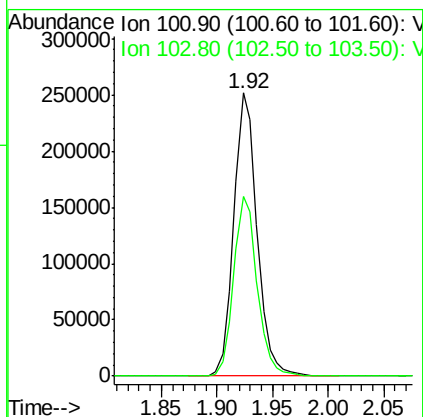
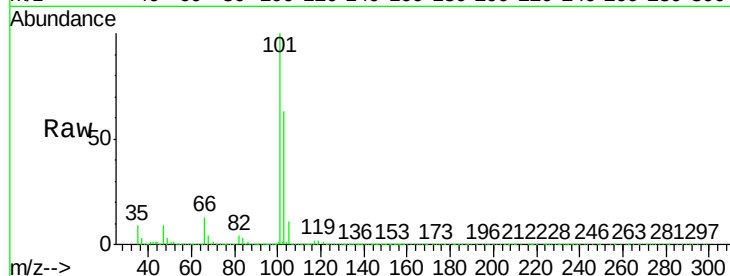
Trichlorofluoromethane
Concen: 49.191 ug/l
RT: 1.92 min Scan# 170
Delta R.T. -0.01 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.2	78.4

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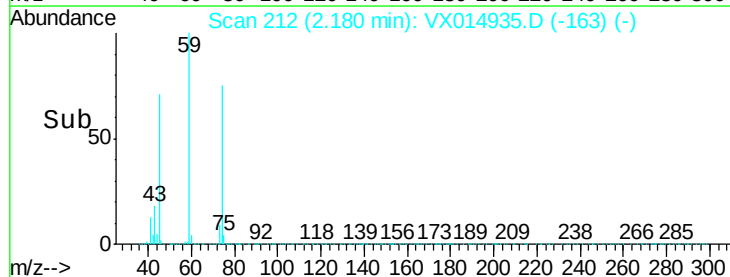
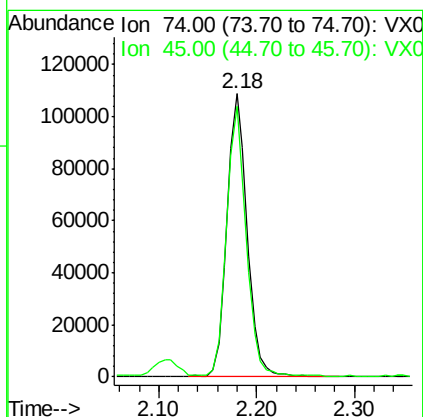
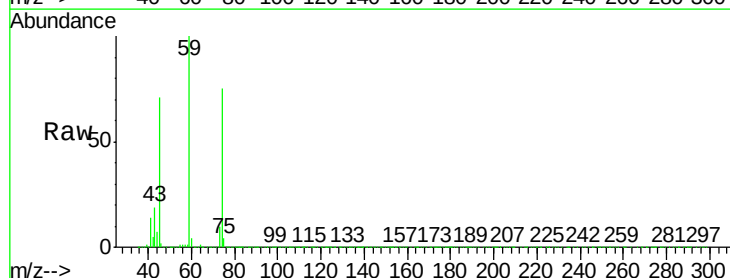
MMDadoda
2/13/2020 11:14:55 AM

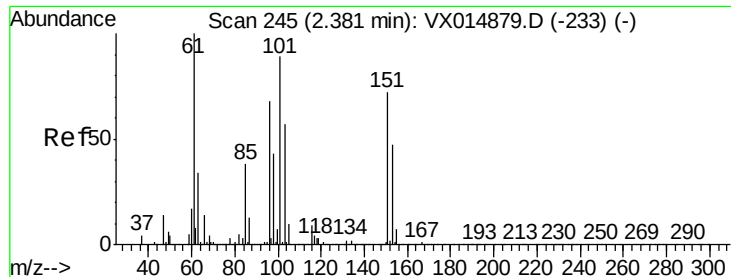


#8

Diethyl Ether
Concen: 50.730 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.9	46.6	139.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.011 ug/l

RT: 2.38 min Scan# 245

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

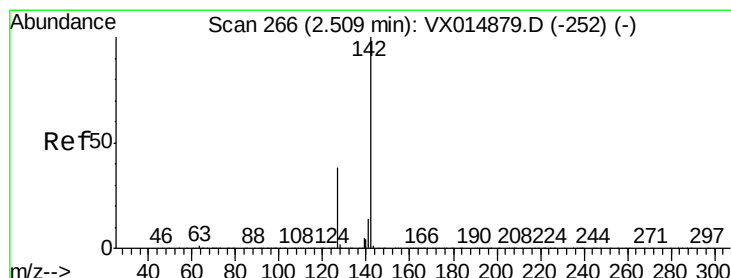
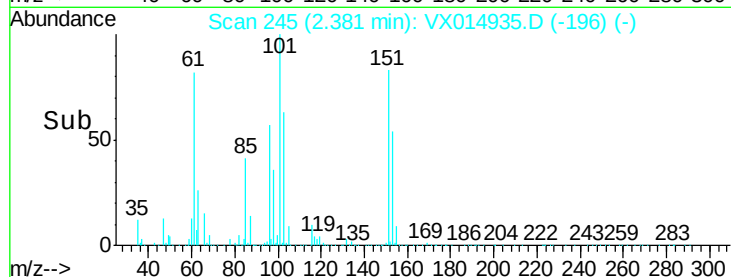
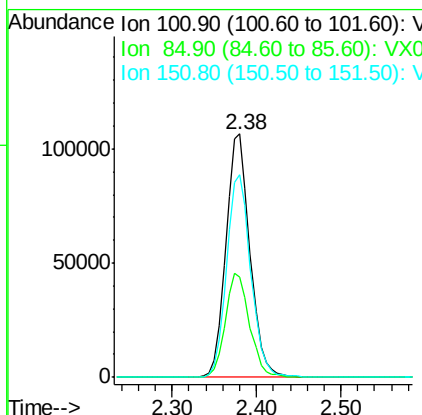
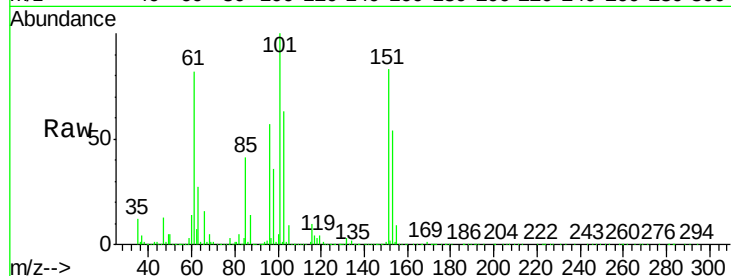
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	205883
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.1	51.1
151	84.2	67.3	100.9

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#10

Methyl Iodide

Concen: 55.803 ug/l

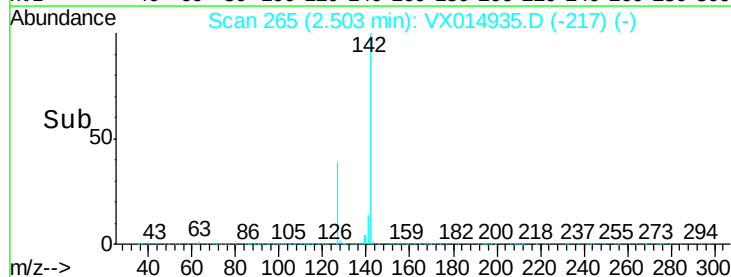
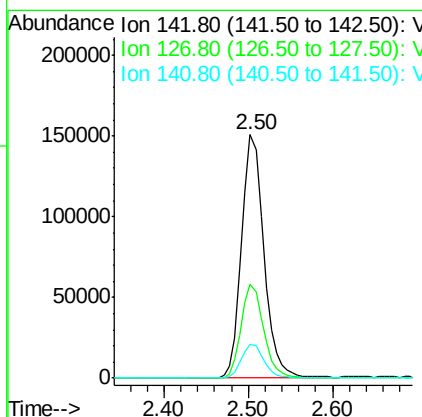
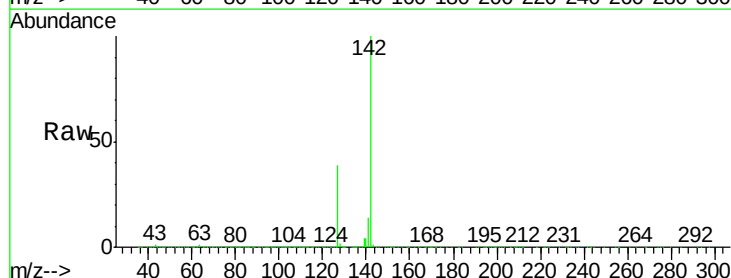
RT: 2.50 min Scan# 265

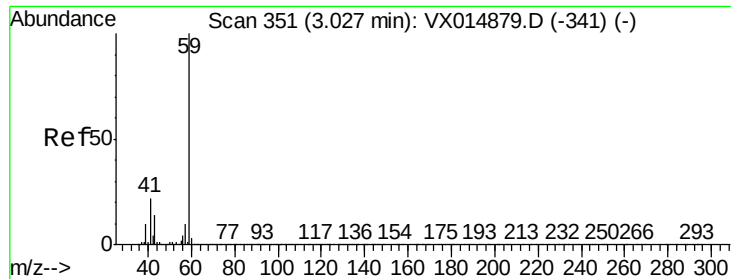
Delta R.T. -0.01 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Tgt Ion:	142	Resp:	269429
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.1	46.7
141	14.2	11.3	16.9





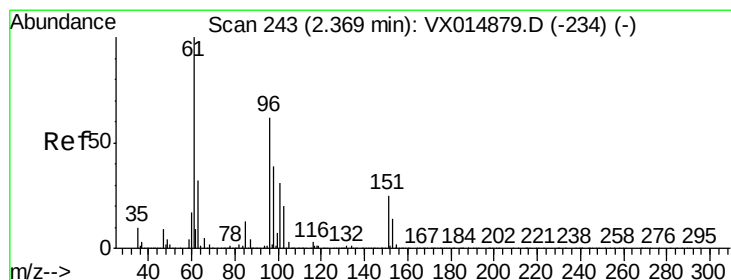
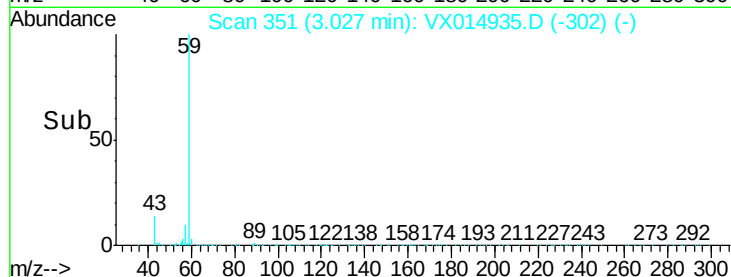
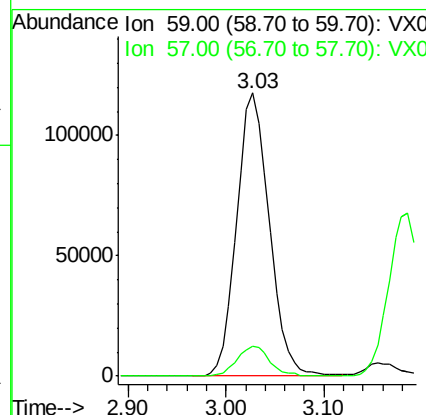
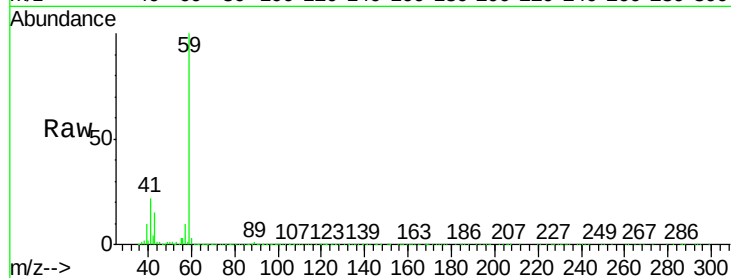
#11
Tert butyl alcohol
Concen: 298.871 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

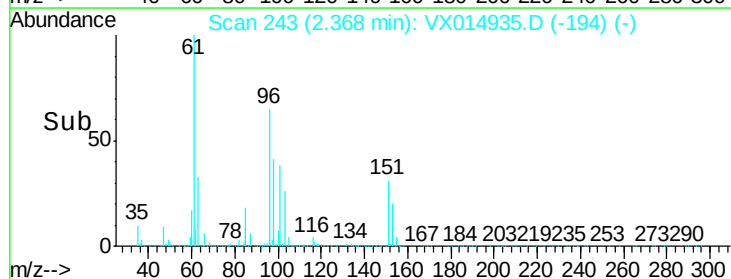
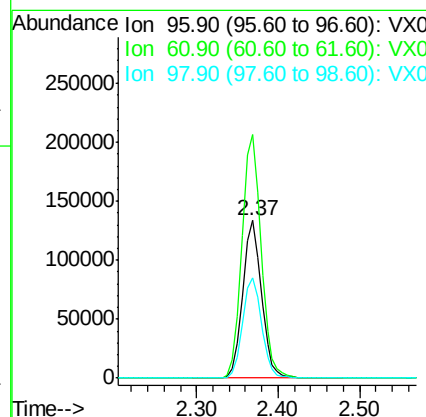
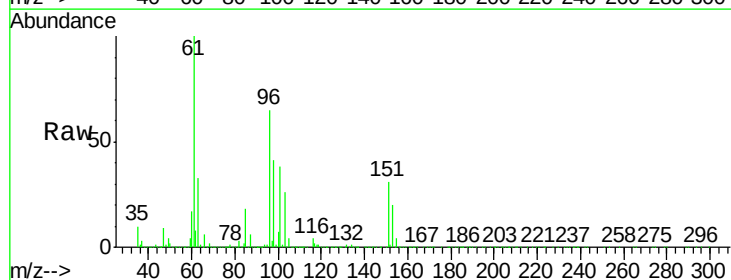
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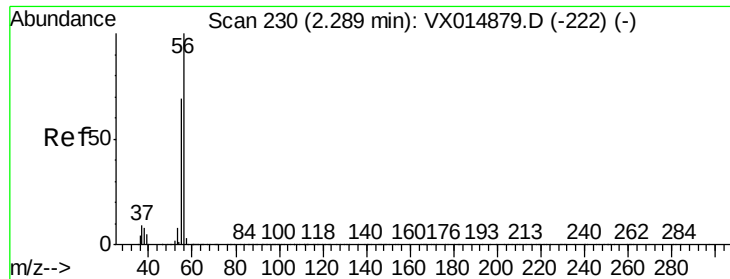
MMDadoda
2/13/2020 11:14:55 AM



#12
1,1-Dichloroethene
Concen: 50.130 ug/l
RT: 2.37 min Scan# 243
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.7	129.5	194.3
98	63.5	50.6	76.0





#13

Acrolein

Concen: 211.870 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 147102

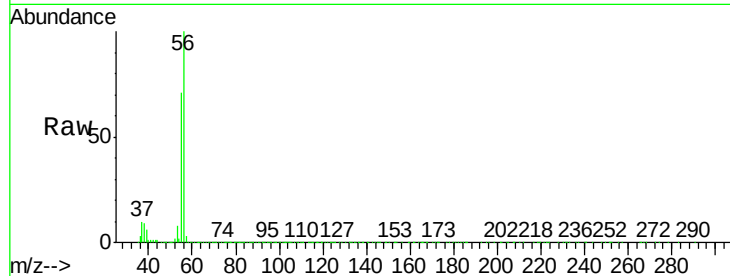
Ion Ratio Lower Upper

56 100

55 70.4 55.0 82.4

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

100000

80000

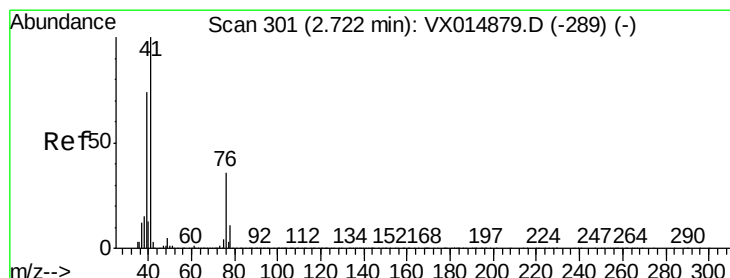
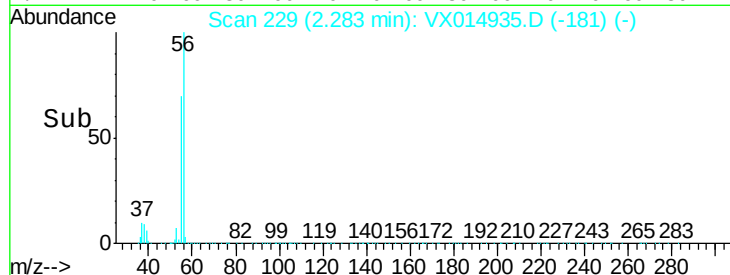
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 49.882 ug/l

RT: 2.72 min Scan# 301

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

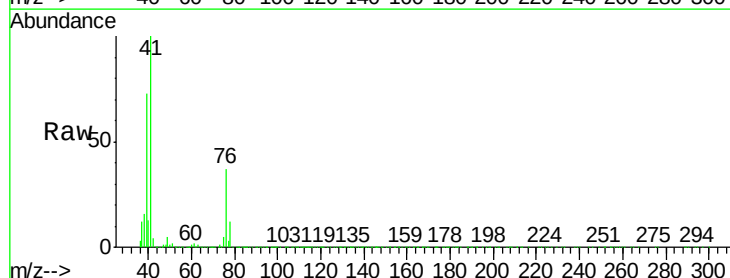
Tgt Ion: 41 Resp: 370588

Ion Ratio Lower Upper

41 100

39 66.7 55.2 82.8

76 33.7 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

400000

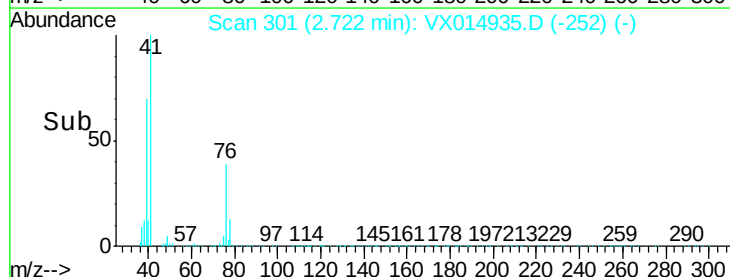
300000

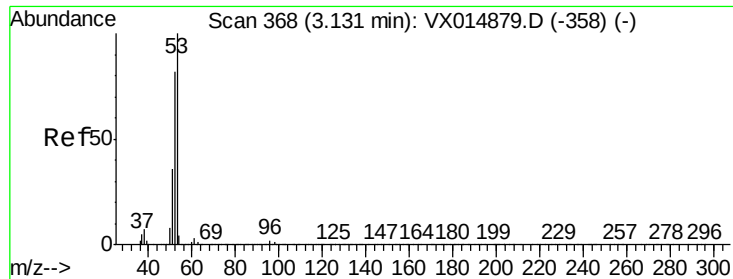
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 260.096 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

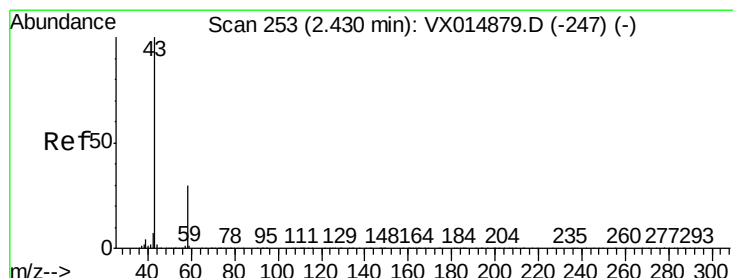
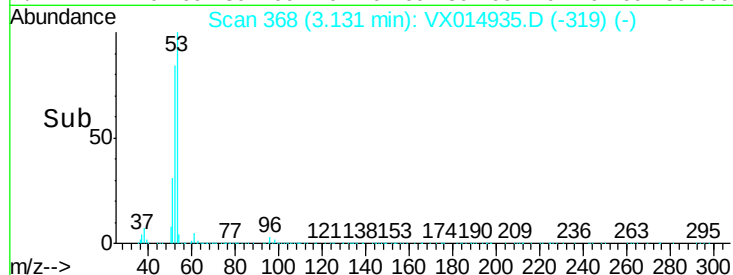
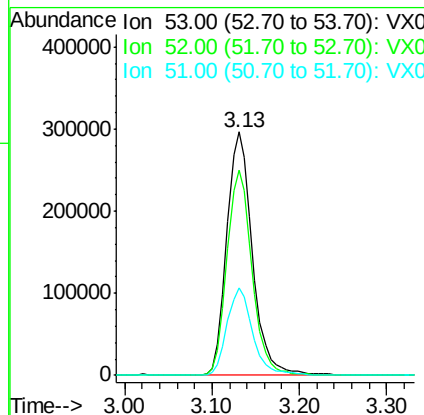
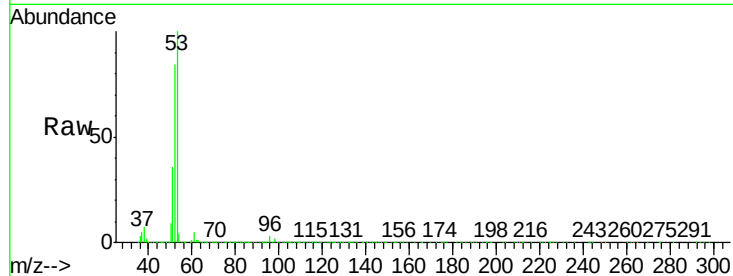
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	600657
Ion Ratio		Lower	Upper
53	100		
52	83.1	65.8	98.6
51	36.1	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 215.015 ug/l

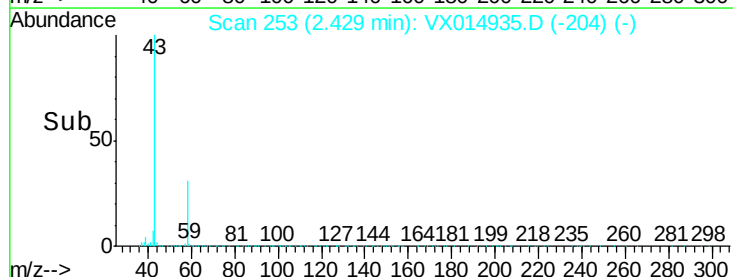
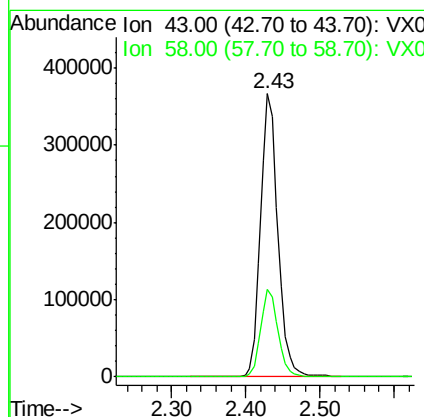
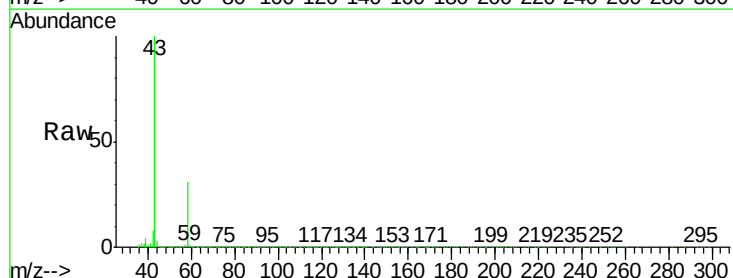
RT: 2.43 min Scan# 253

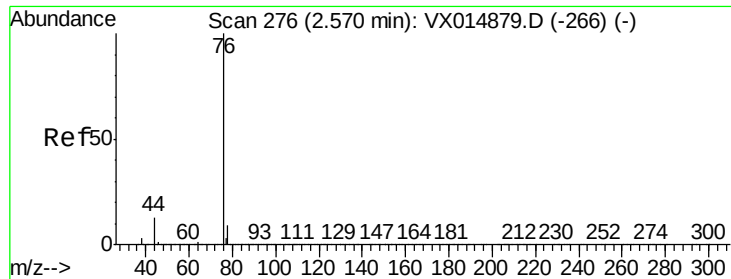
Delta R.T. 0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Tgt Ion:	43	Resp:	600150
Ion Ratio		Lower	Upper
43	100		
58	31.1	24.1	36.1





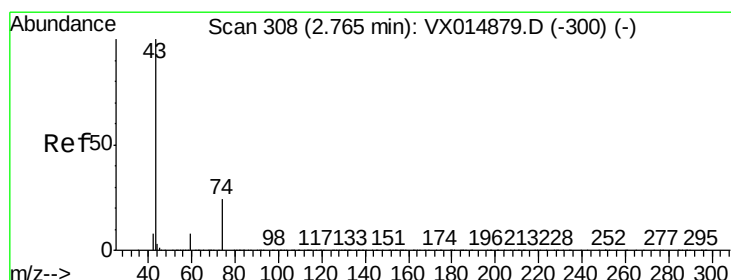
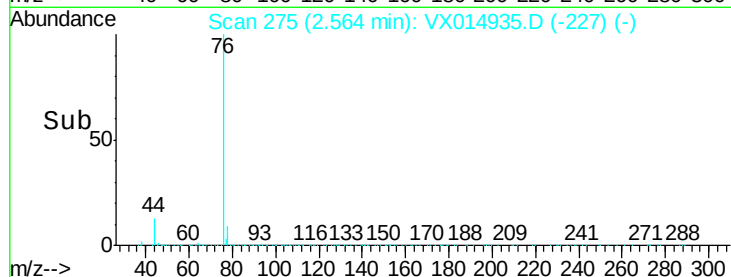
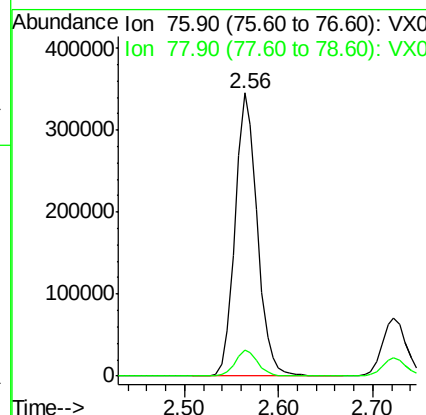
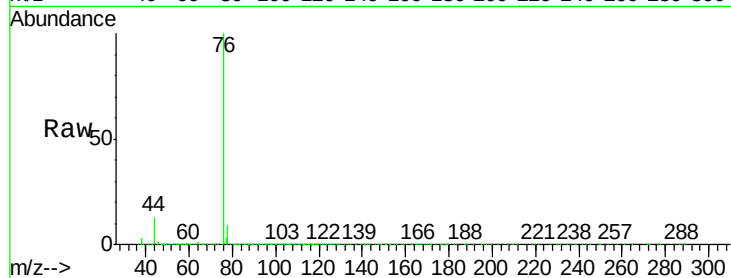
#17
Carbon Disulfide
Concen: 48.218 ug/l
RT: 2.56 min Scan# 275
Delta R.T. -0.01 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

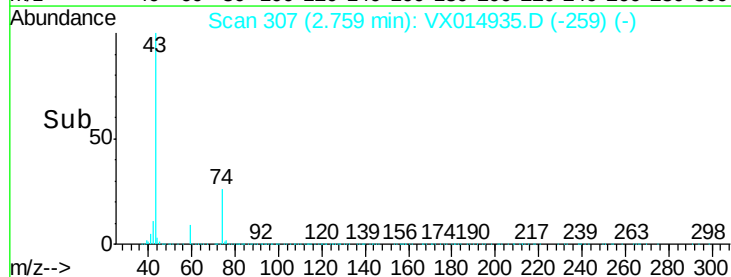
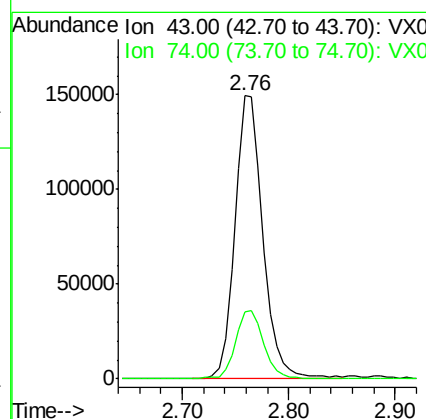
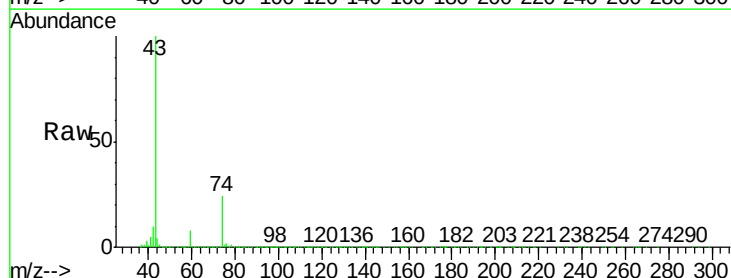
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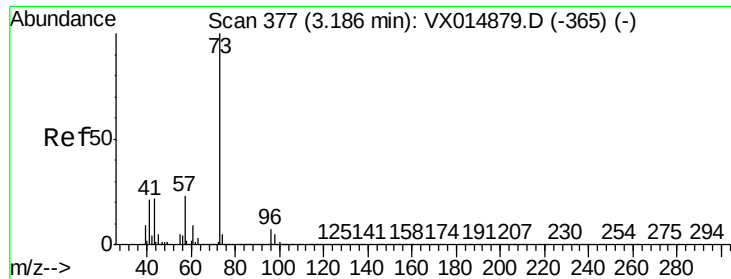
MMDadoda
2/13/2020 11:14:55 AM



#18
Methyl Acetate
Concen: 52.484 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.4	29.0





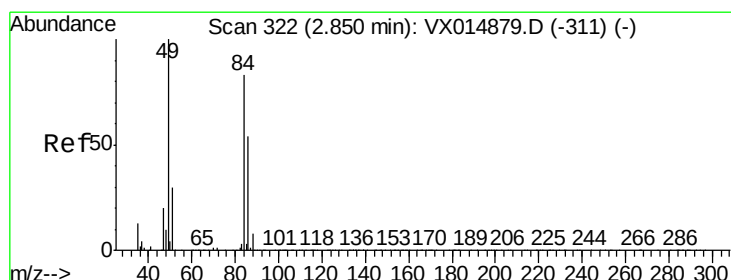
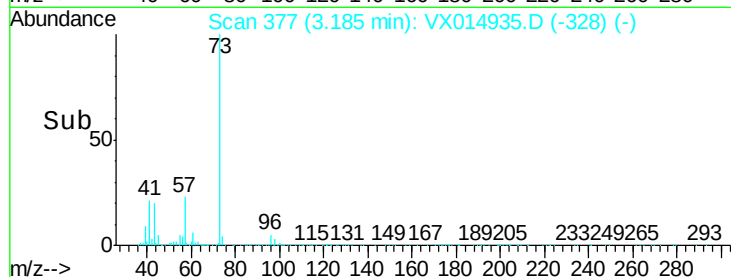
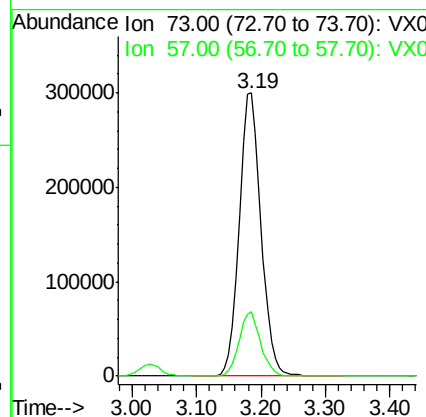
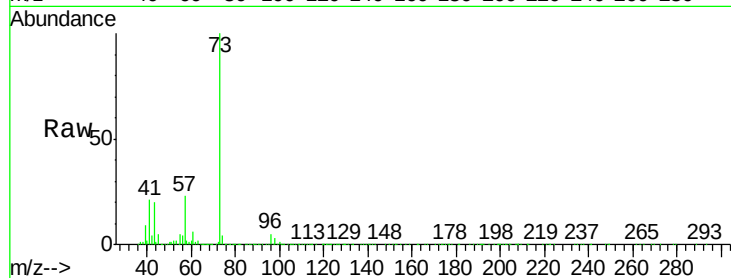
#19
Methyl tert-butyl Ether
Concen: 51.739 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.2	27.4

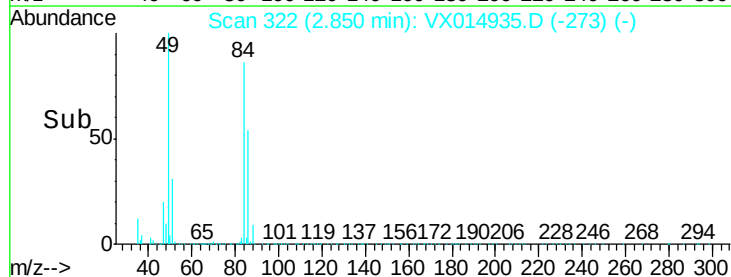
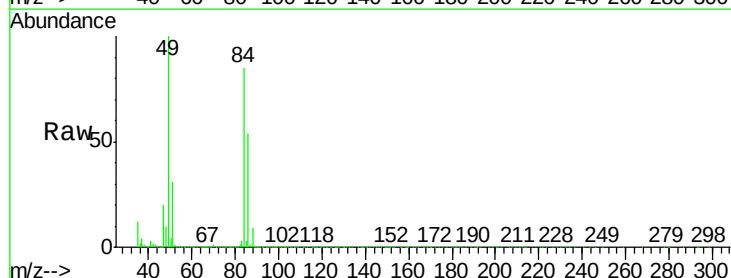
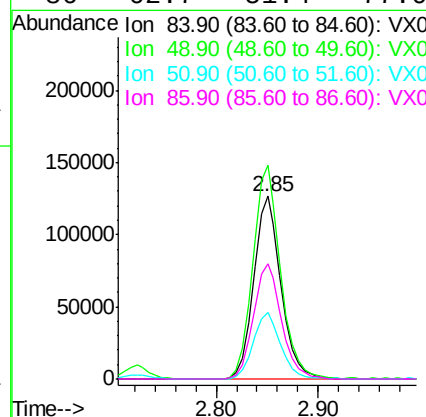
Manual Integrations
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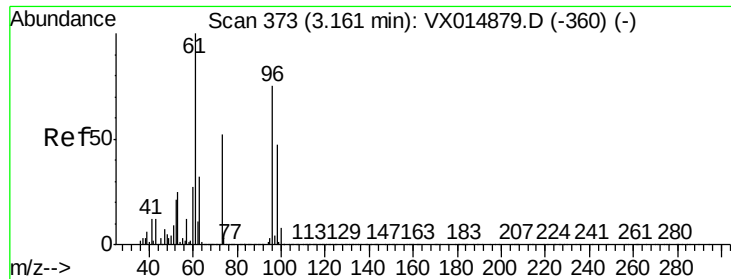
MMDadoda
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#20
Methylene Chloride
Concen: 47.297 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.7	95.6	143.4
51	36.4	29.0	43.6
86	62.7	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 49.299 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

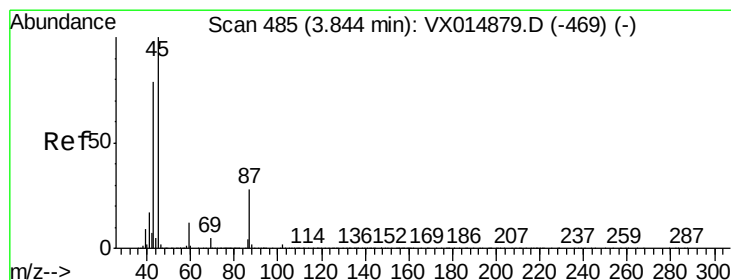
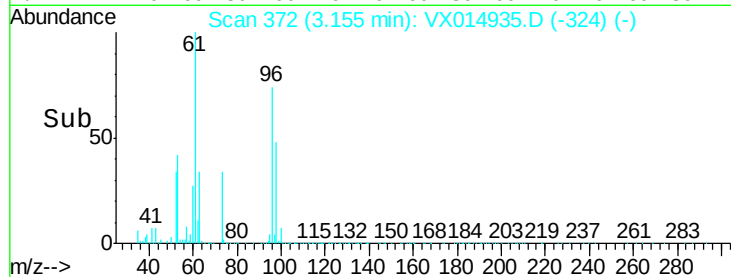
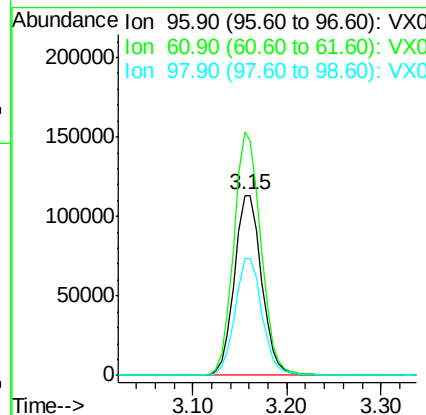
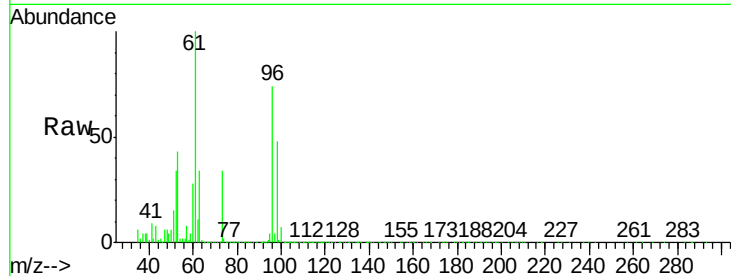
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	227941
Ion Ratio	Lower	Upper	
96	100		
61	135.2	106.9	160.3
98	65.1	50.7	76.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.693 ug/l

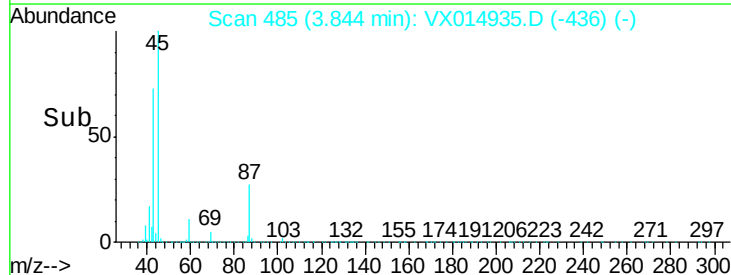
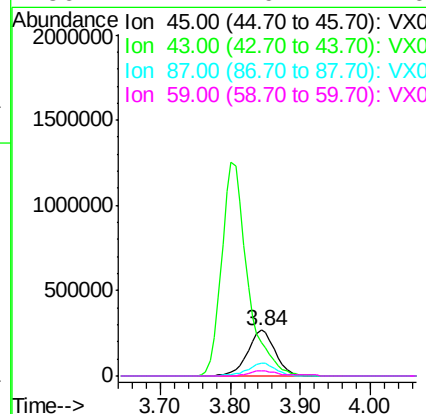
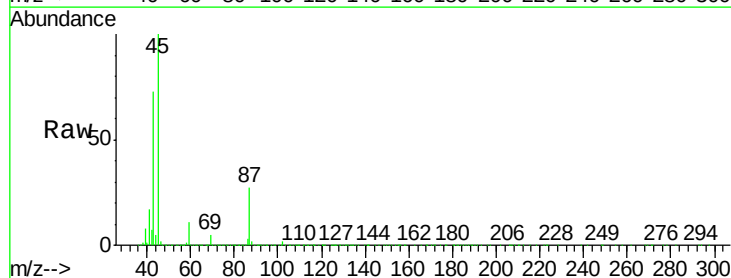
RT: 3.84 min Scan# 485

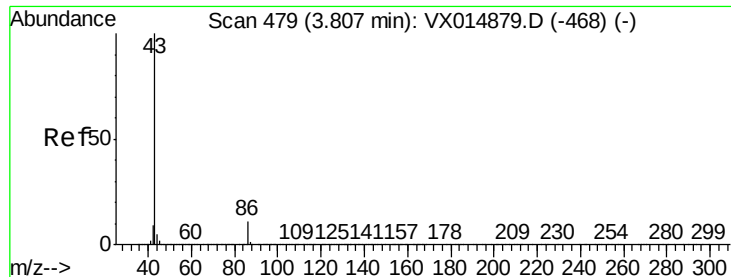
Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Tgt Ion:	45	Resp:	733484
Ion Ratio	Lower	Upper	
45	100		
43	72.5	63.5	95.3
87	27.1	22.2	33.4
59	11.1	9.4	14.0





#23

Vinyl Acetate

Concen: 275.643 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3224196

Ion Ratio Lower Upper

43 100

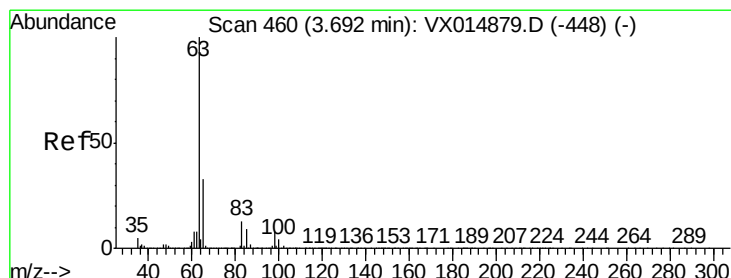
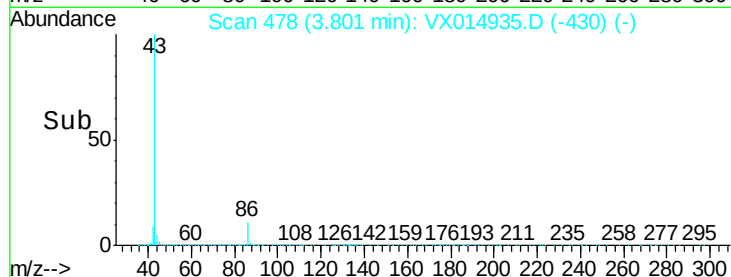
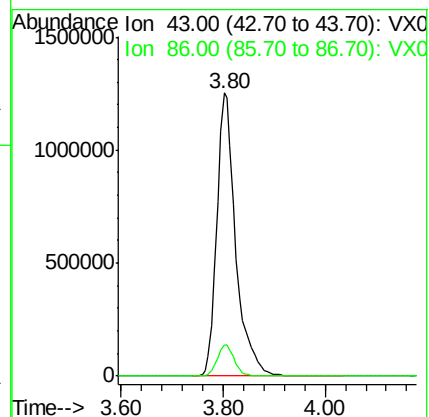
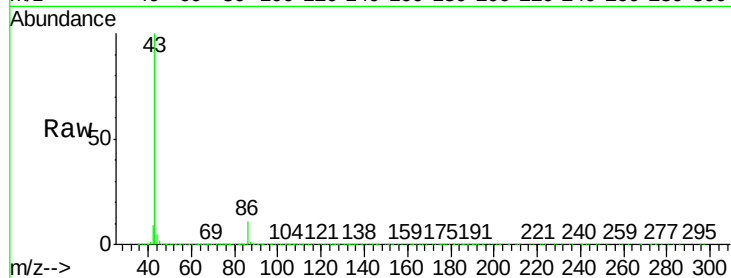
86 10.9 8.9 13.3

Manual Integrations

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MMDadoda

2/13/2020 11:14:55 AM



#24

1,1-Dichloroethane

Concen: 50.376 ug/l

RT: 3.69 min Scan# 460

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

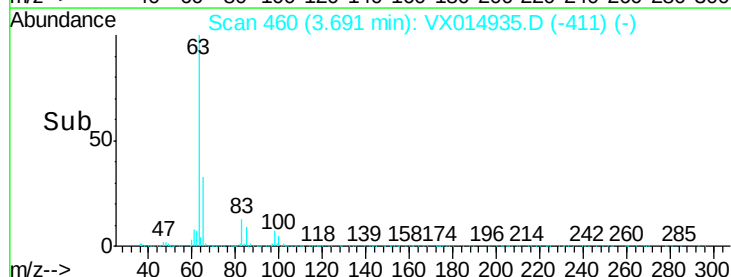
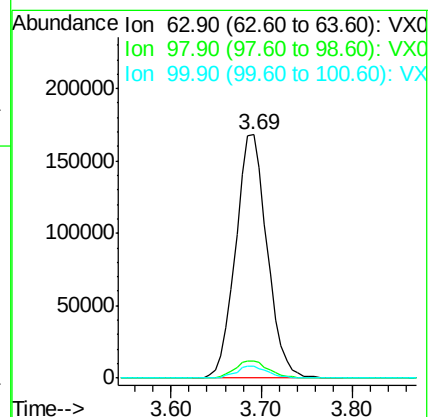
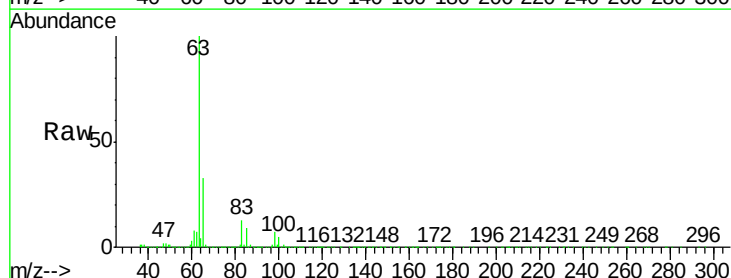
Tgt Ion: 63 Resp: 403421

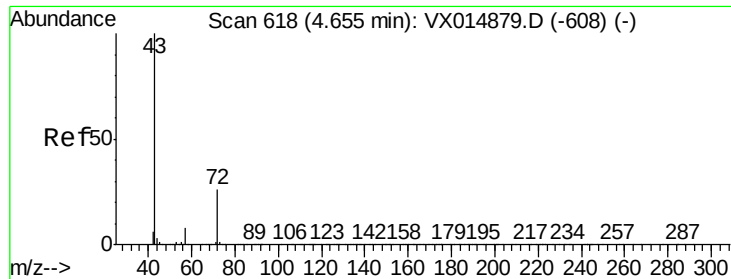
Ion Ratio Lower Upper

63 100

98 7.2 3.9 11.5

100 4.9 2.2 6.6





#25

2-Butanone

Concen: 249.835 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 877551

Ion Ratio Lower Upper

43 100

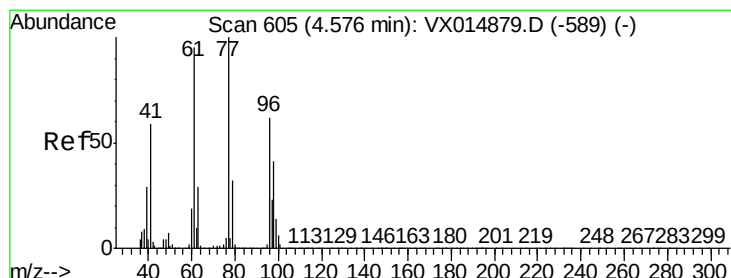
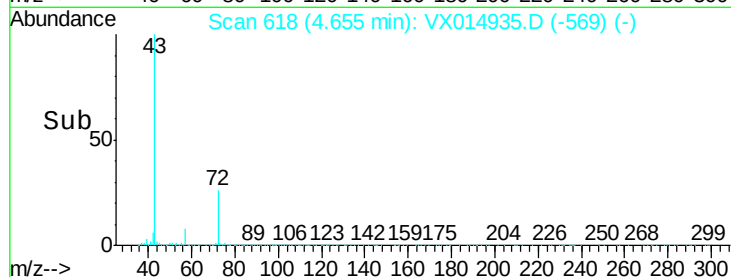
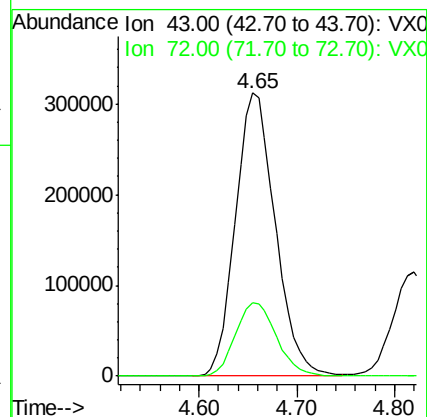
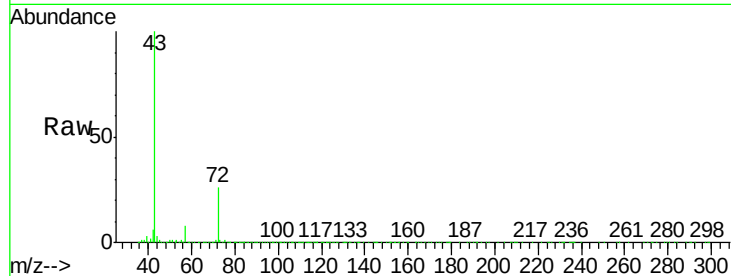
72 25.8 21.0 31.6

Manual Integrations

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2/13/2020 11:14:55 AM



#26

2,2-Dichloropropane

Concen: 48.118 ug/l

RT: 4.58 min Scan# 605

Delta R.T. -0.00 min

Lab File: VX014935.D

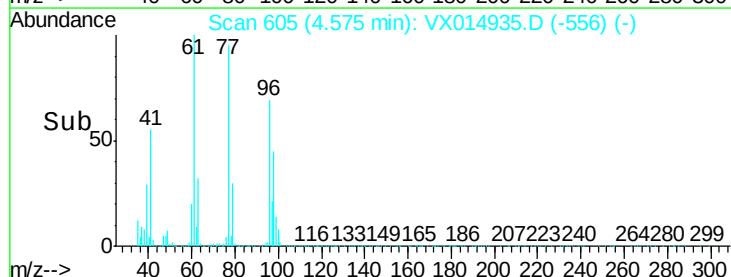
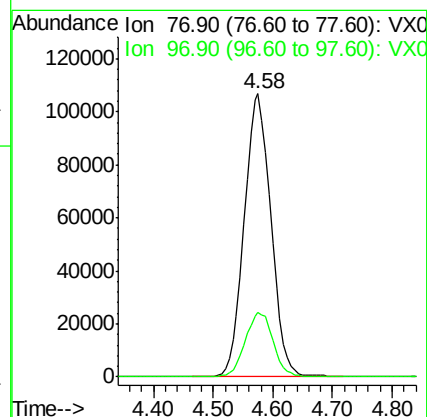
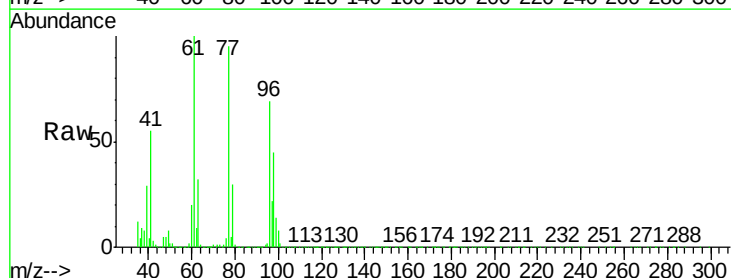
Acq: 12 Feb 2020 18:47

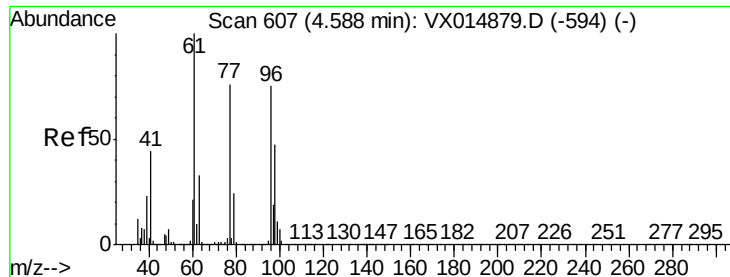
Tgt Ion: 77 Resp: 332079

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.5





#27

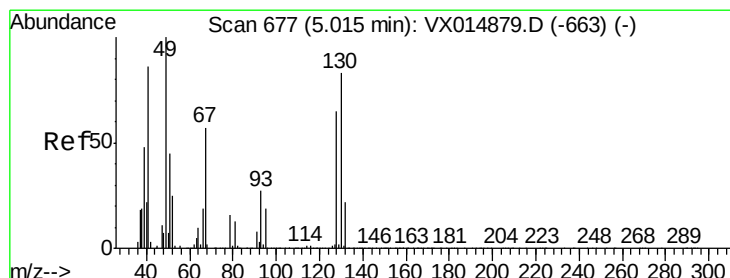
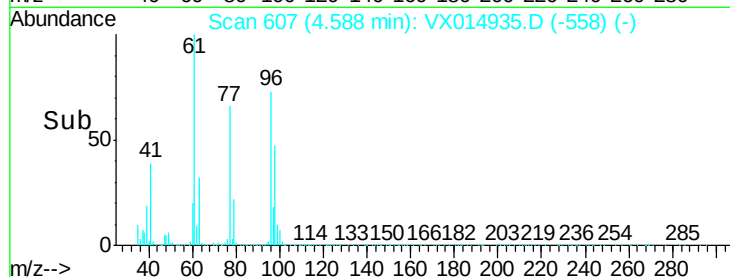
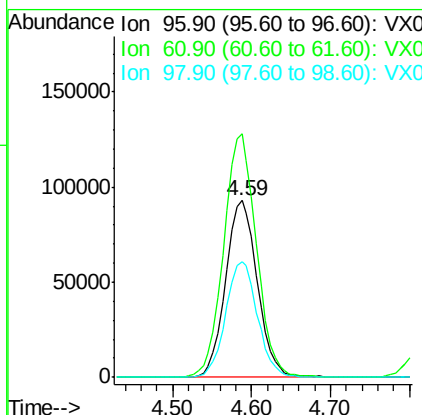
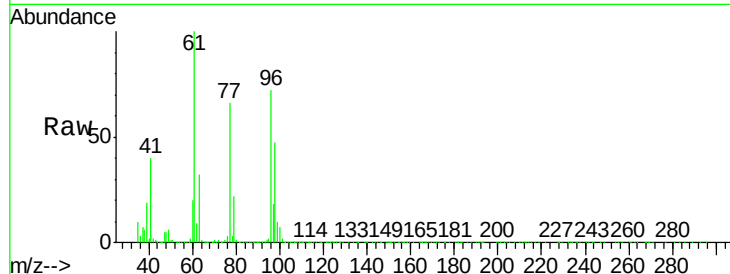
cis-1,2-Dichloroethene
Concen: 50.238 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	259657		
61	141.3	0.0	286.2	
98	65.0	0.0	131.0	

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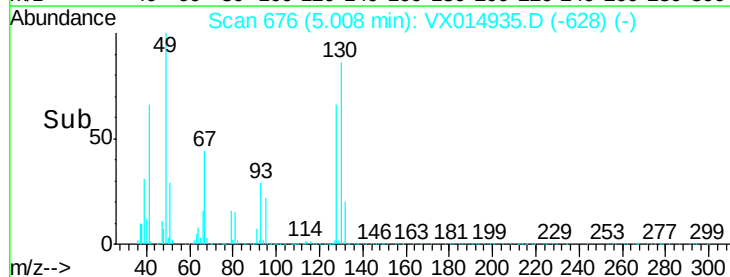
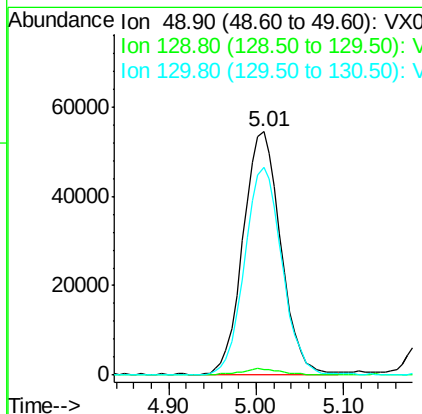
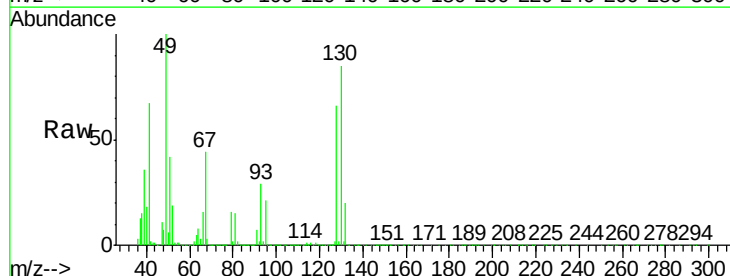
MMDadoda
2/13/2020 11:14:55 AM

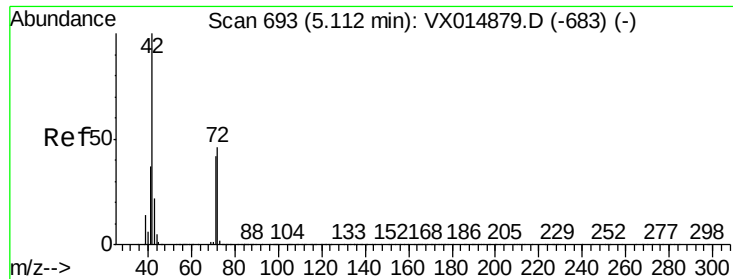


#28

Bromochloromethane
Concen: 52.198 ug/l
RT: 5.01 min Scan# 676
Delta R.T. -0.01 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	162024		
129	2.7	0.0	5.2	
130	85.4	67.4	101.2	





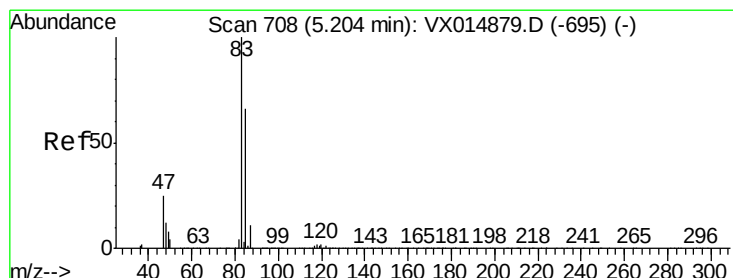
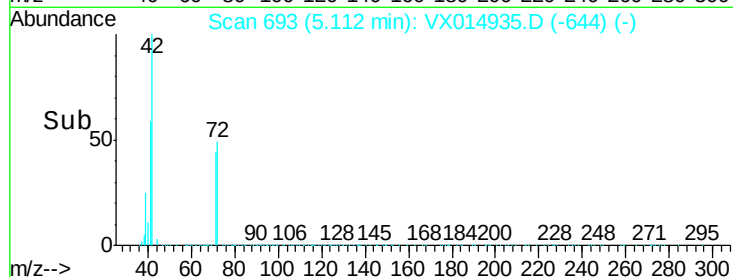
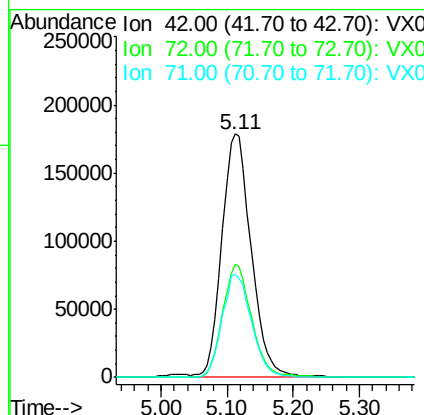
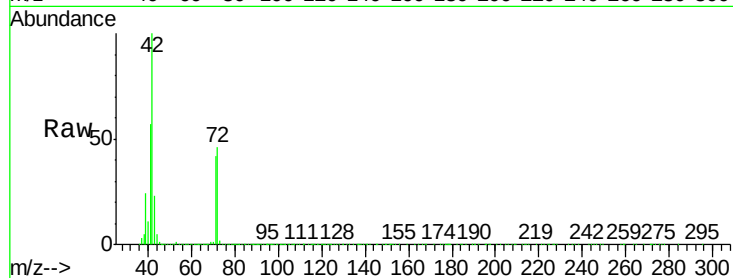
#29
Tetrahydrofuran
Concen: 272.759 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	36.9	55.3
71	42.9	34.1	51.1

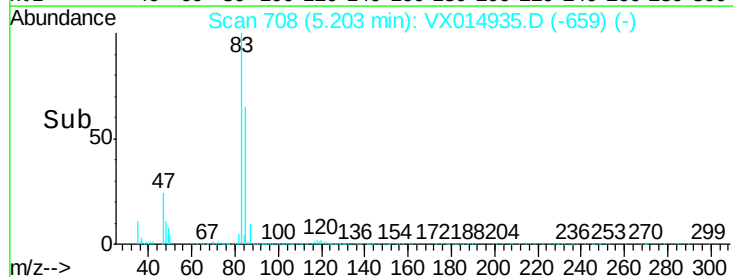
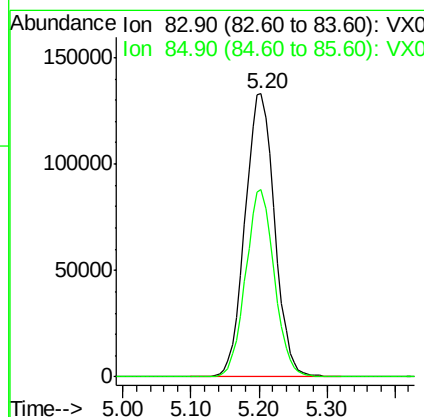
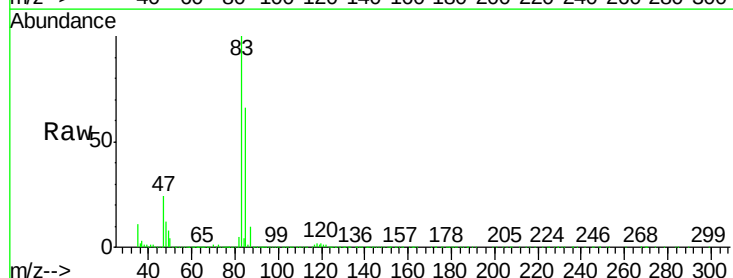
Manual Integrations
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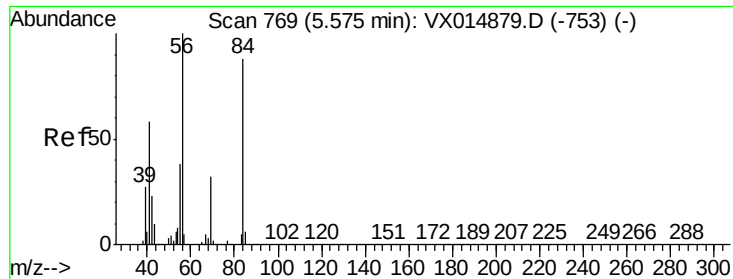
MMDadoda
2/13/2020 11:14:55 AM



#30
Chloroform
Concen: 50.677 ug/l
RT: 5.20 min Scan# 708
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.9	79.3





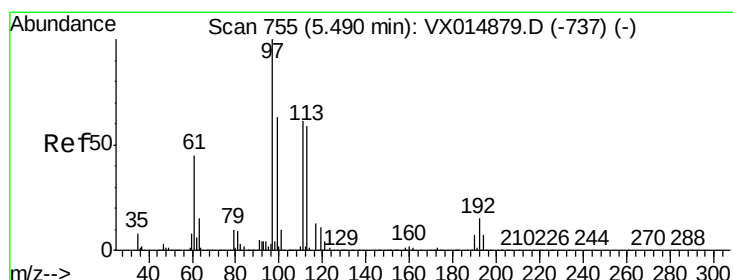
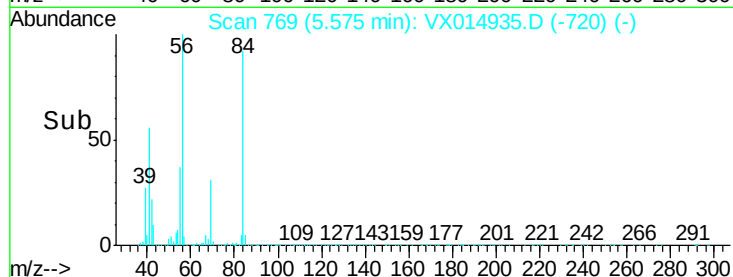
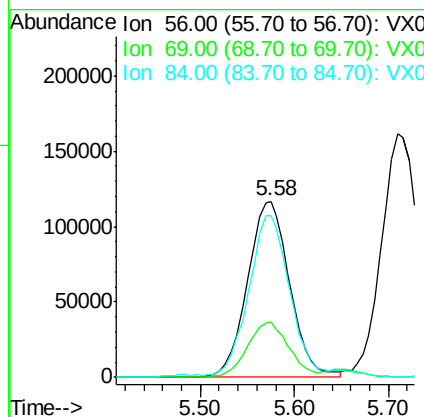
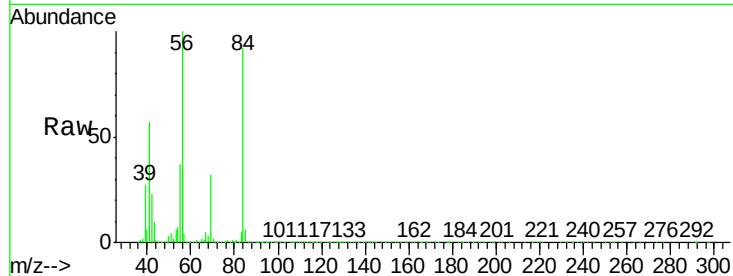
#31
Cyclohexane
Concen: 49.790 ug/l
RT: 5.58 min Scan# 769
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.9	38.9
84	91.0	70.4	105.6

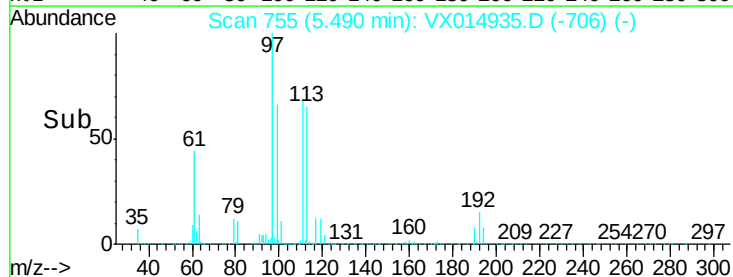
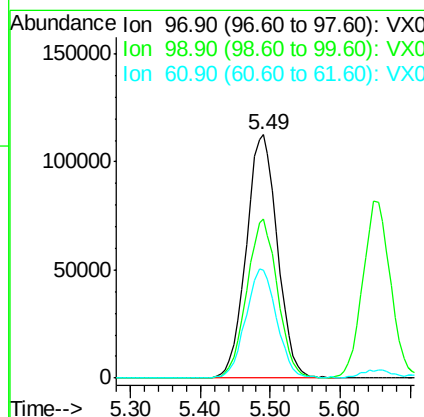
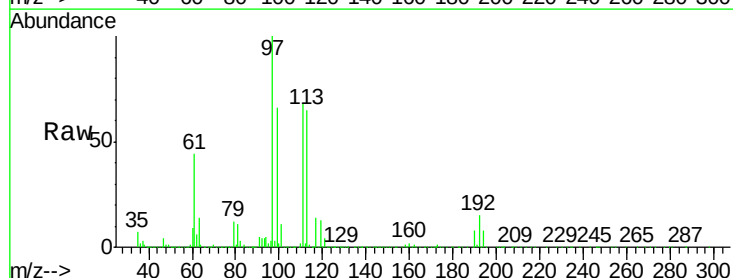
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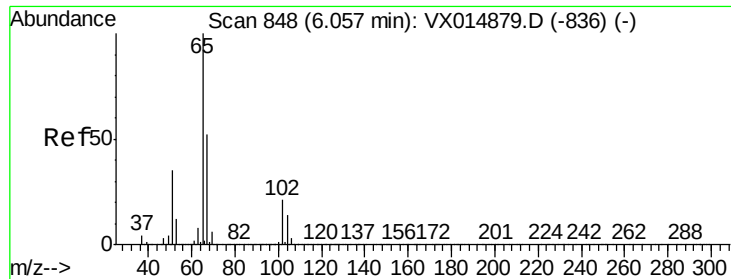
MMDadoda
2/13/2020 11:14:55 AM



#32
1,1,1-Trichloroethane
Concen: 49.798 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	44.5	36.3	54.5





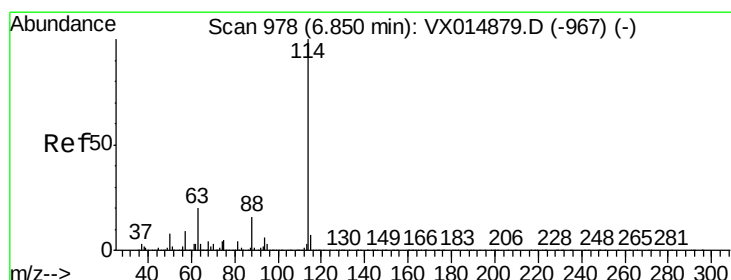
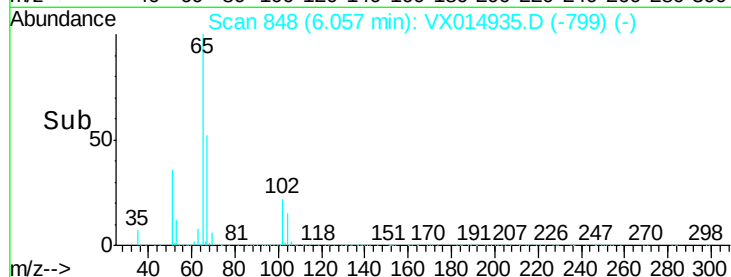
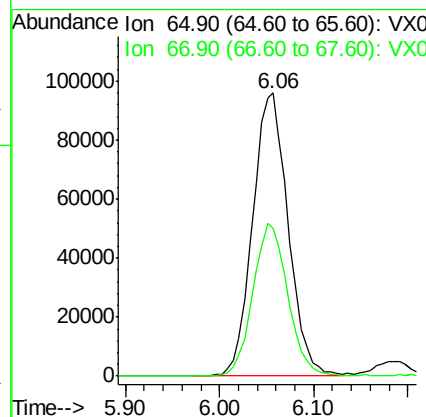
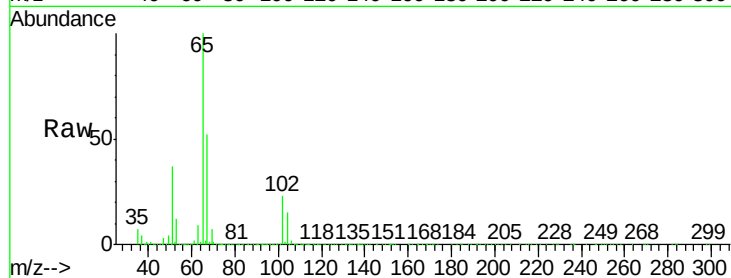
#33
 1,2-Dichloroethane-d4
 Concen: 49.069 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VX014935.D
 Acq: 12 Feb 2020 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	253165		
67	53.0	0.0	103.0	

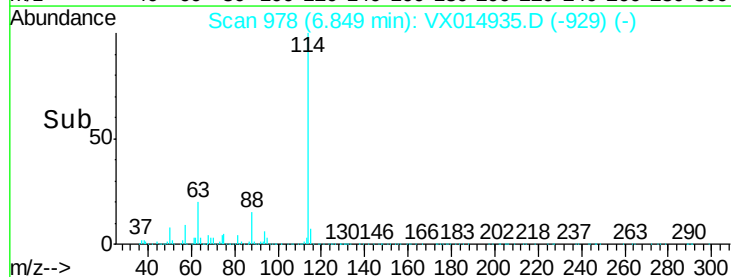
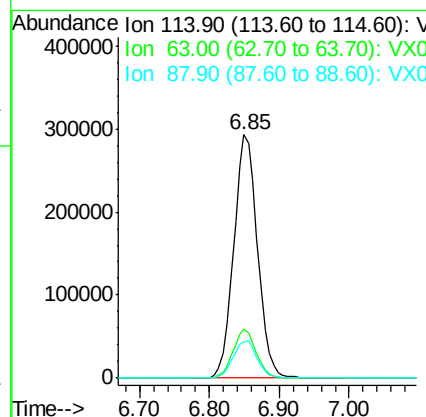
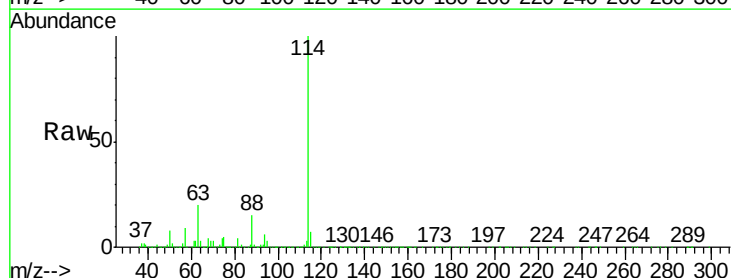
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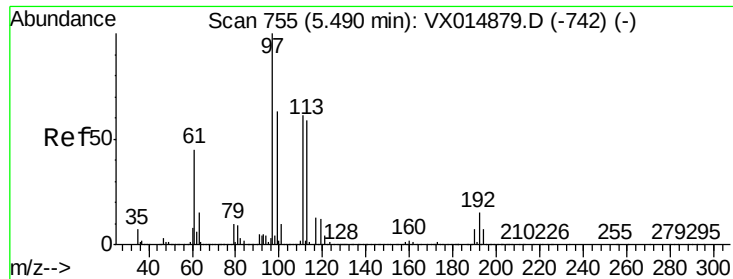
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014935.D
 Acq: 12 Feb 2020 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	687515		
63	20.0	0.0	39.2	
88	15.0	0.0	32.0	





#35

Dibromofluoromethane

Concen: 50.392 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

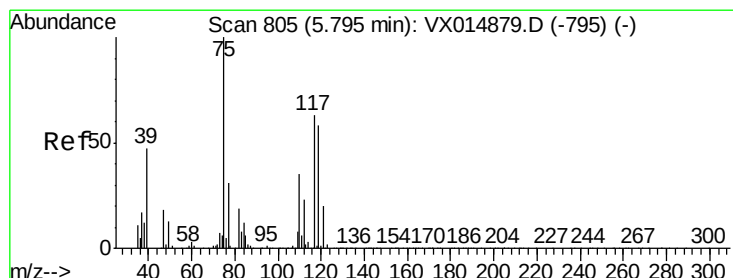
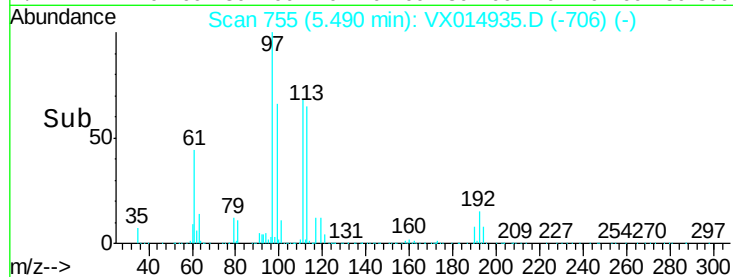
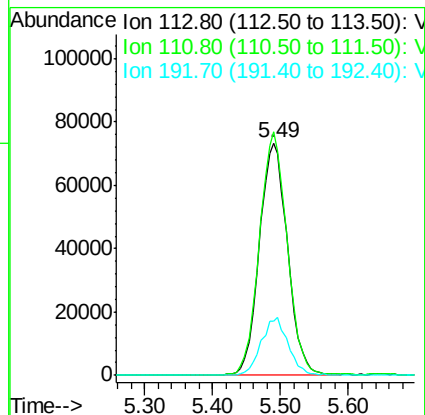
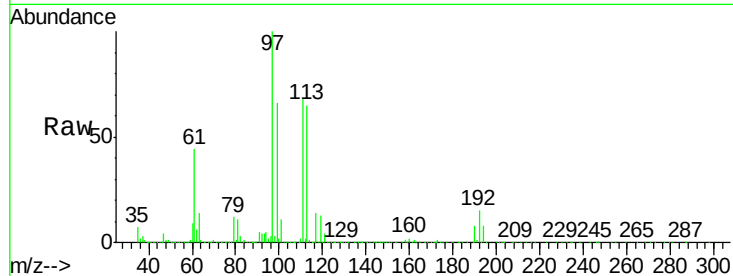
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	212990
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.4	123.6
192	24.1	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 50.406 ug/l

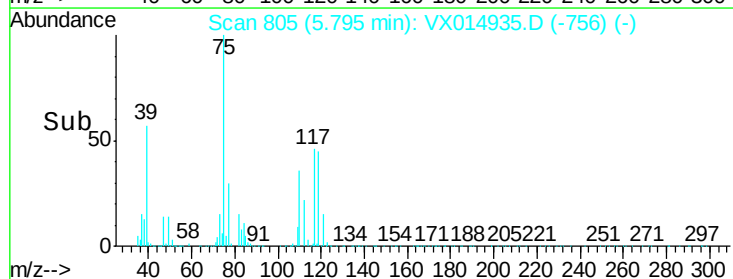
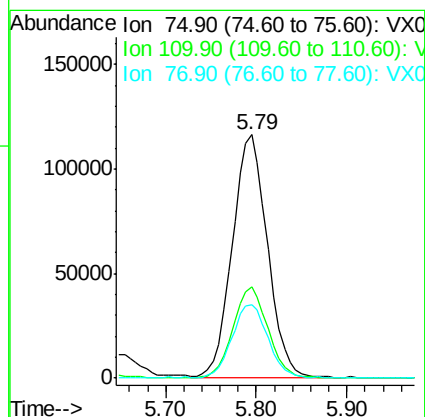
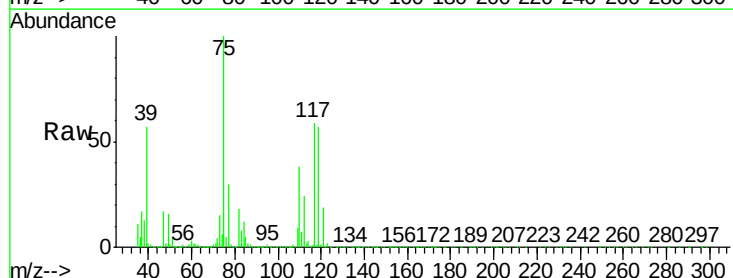
RT: 5.79 min Scan# 805

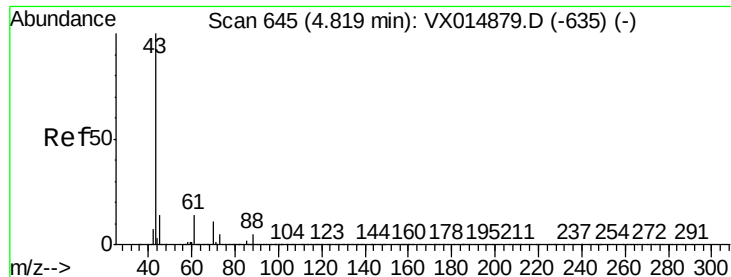
Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Tgt Ion:	75	Resp:	310001
Ion Ratio	Lower	Upper	
75	100		
110	37.7	18.3	54.8
77	30.5	24.6	36.8





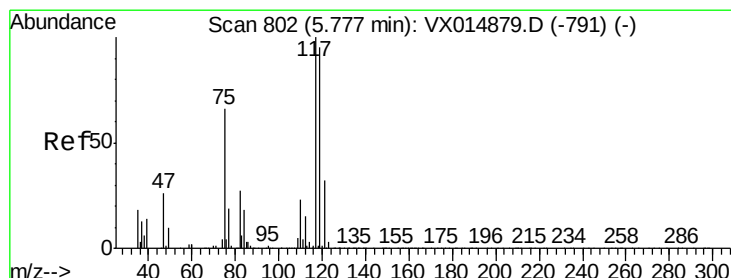
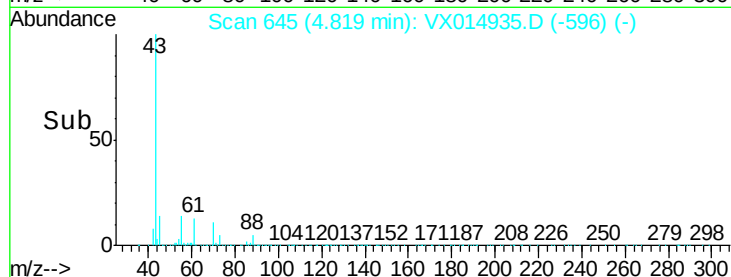
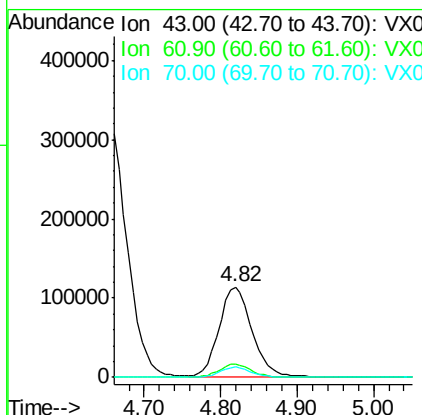
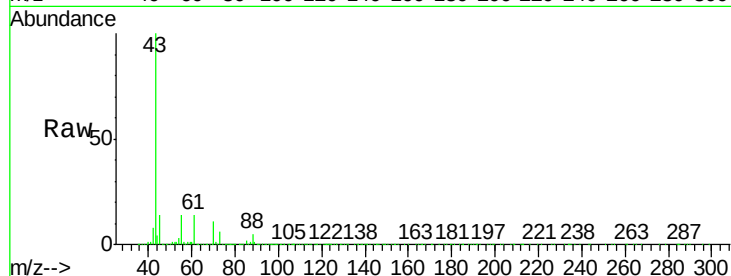
#37
Ethyl Acetate
Concen: 52.424 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	336271
Ion Ratio	Lower	Upper	
43	100		
61	13.8	10.9	16.3
70	10.8	8.7	13.1

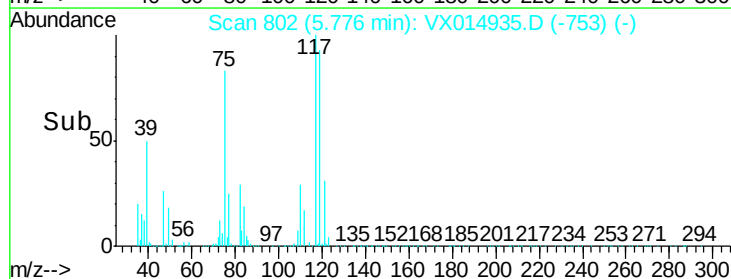
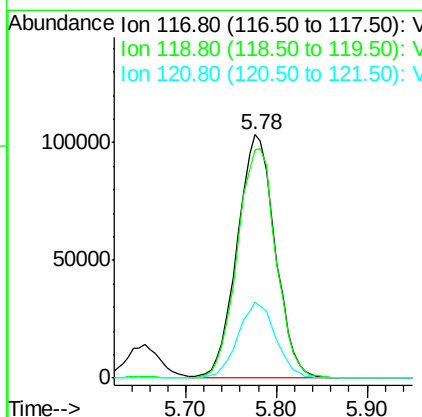
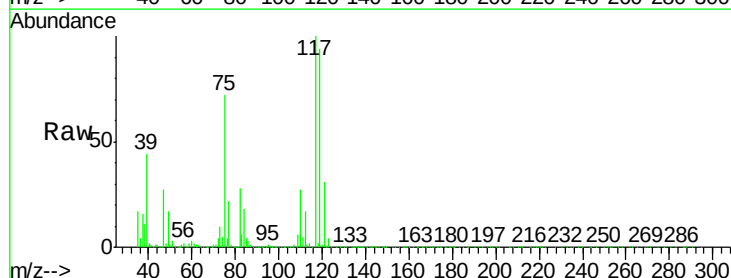
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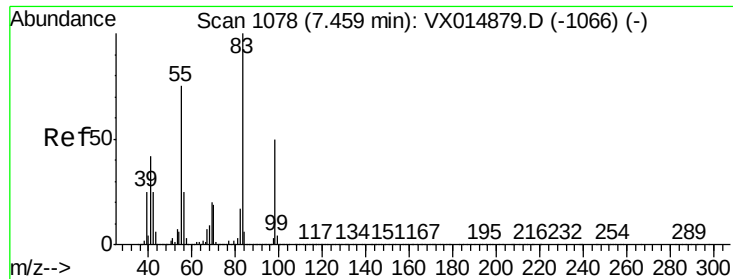
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#38
Carbon Tetrachloride
Concen: 49.873 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Tgt Ion	117	Resp	298911
Ion Ratio	Lower	Upper	
117	100		
119	94.1	76.0	114.0
121	31.2	25.4	38.2





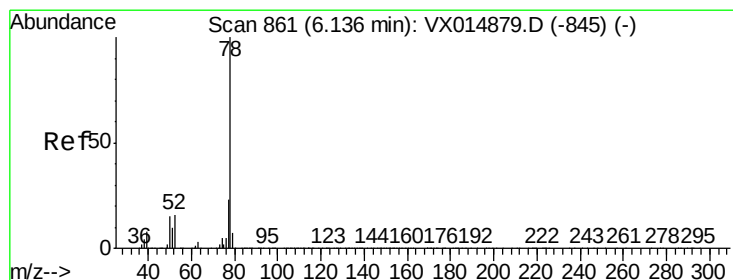
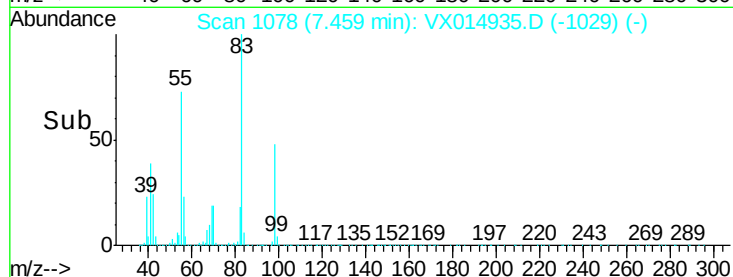
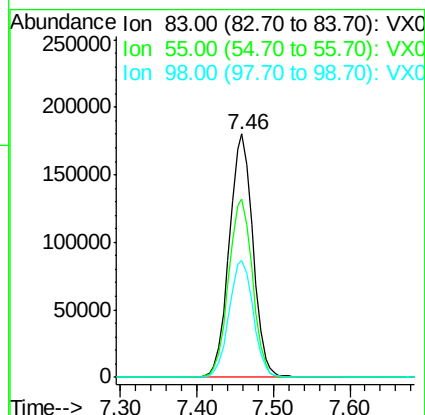
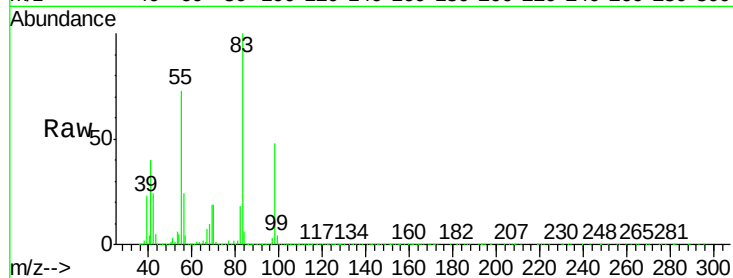
#39
Methylvlcyclohexane
Concen: 49.822 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.1	60.0	90.0
98	48.1	39.6	59.4

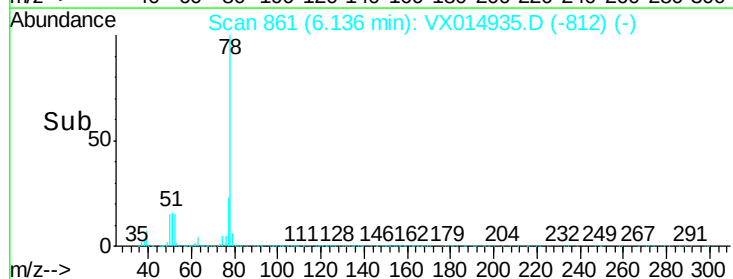
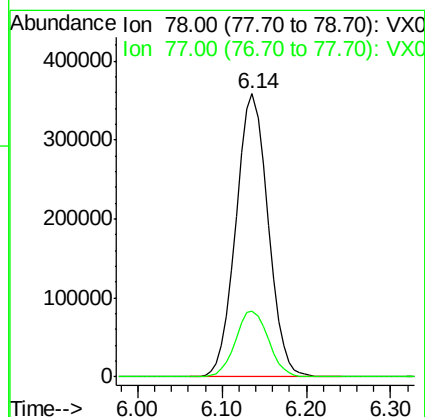
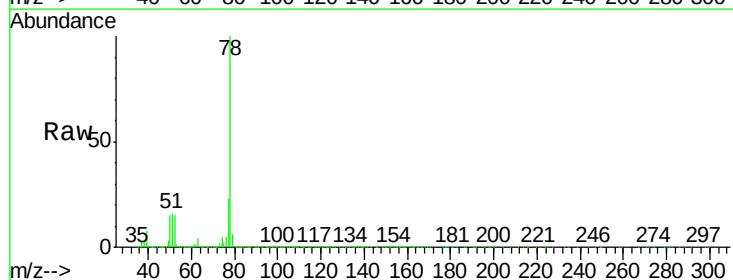
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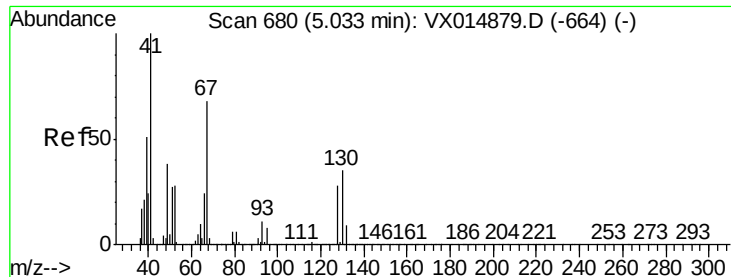
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#40
Benzene
Concen: 50.379 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





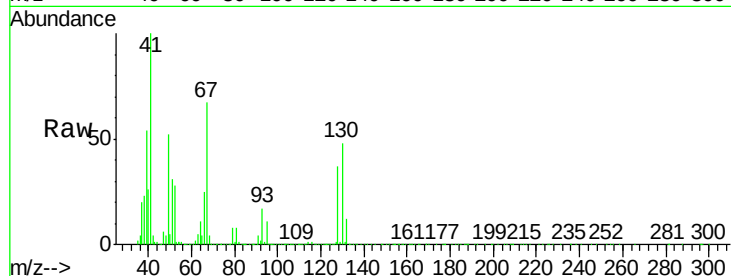
#41
Methacrylonitrile
Concen: 53.480 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.01 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		184801		
39	54.8	44.7	67.1		
67	71.7	56.6	84.8		
52	27.9	22.3	33.5		

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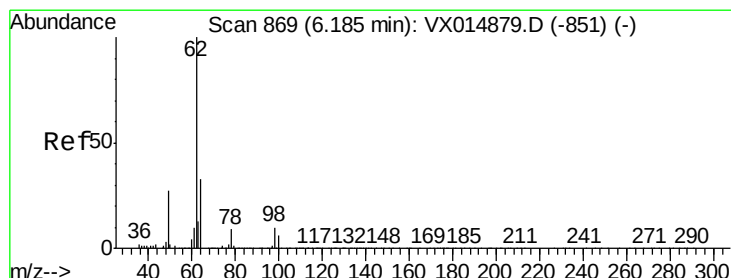
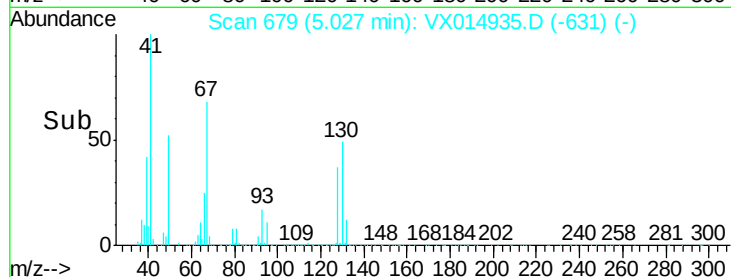
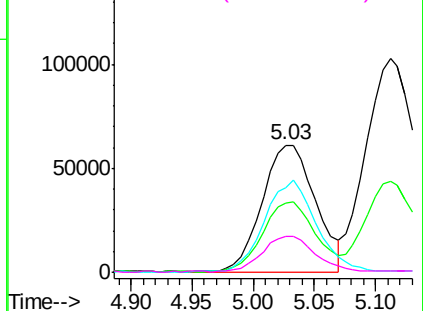
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

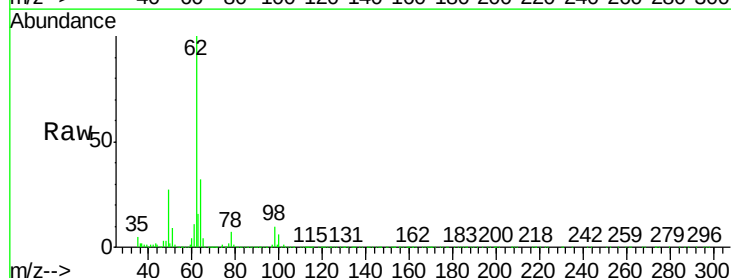
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 49.134 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

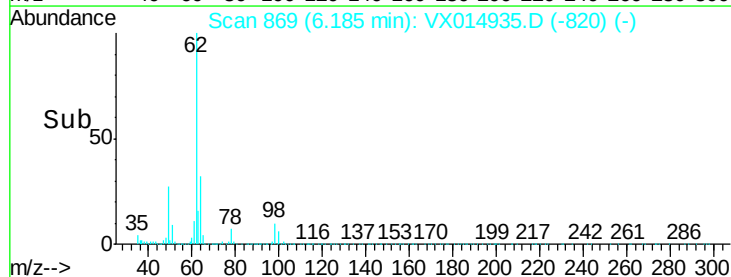
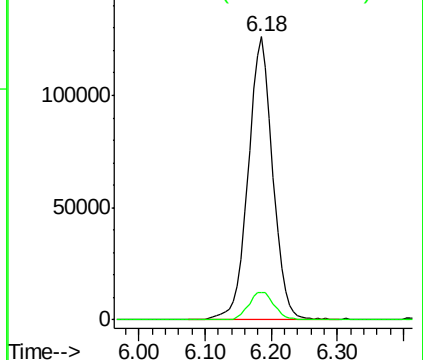
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		326315		
98	10.1	0.0	19.2		

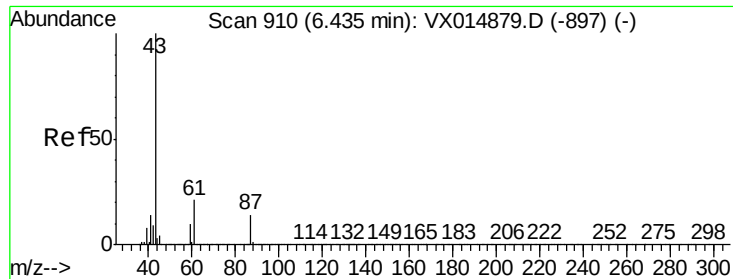


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





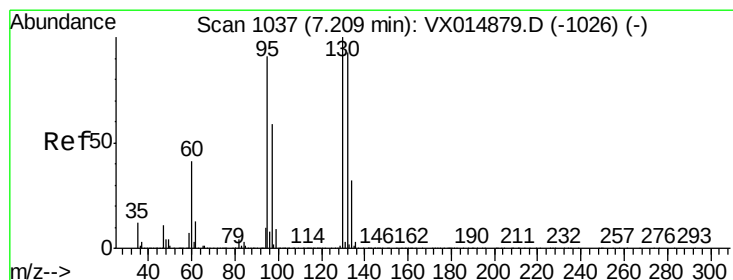
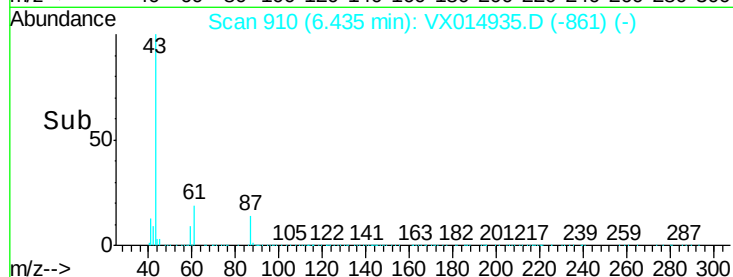
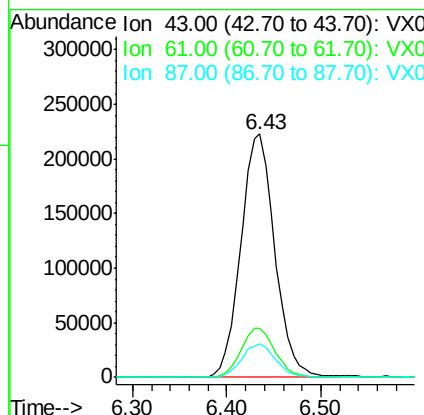
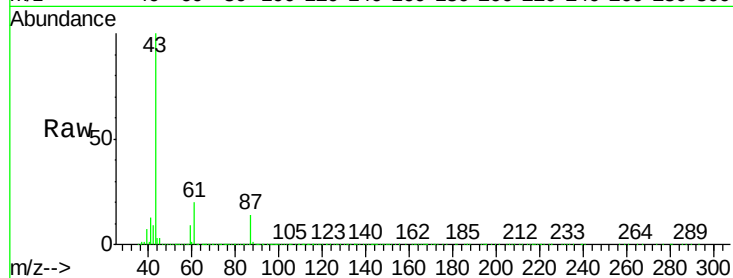
#43
Isopropyl Acetate
Concen: 52.794 ug/l
RT: 6.43 min Scan# 910
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	558625
Ion Ratio	Lower	Upper	
43	100		
61	20.3	16.2	24.4
87	13.9	11.0	16.6

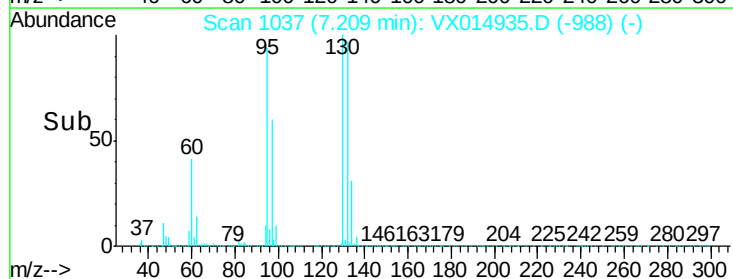
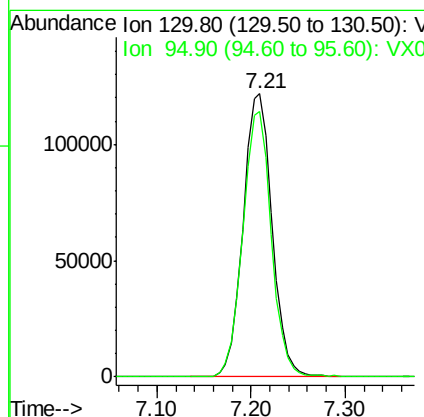
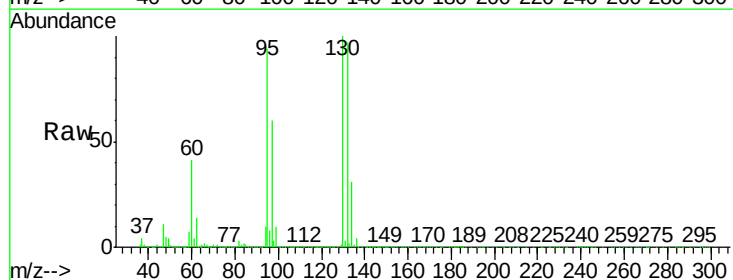
Manual Integrations
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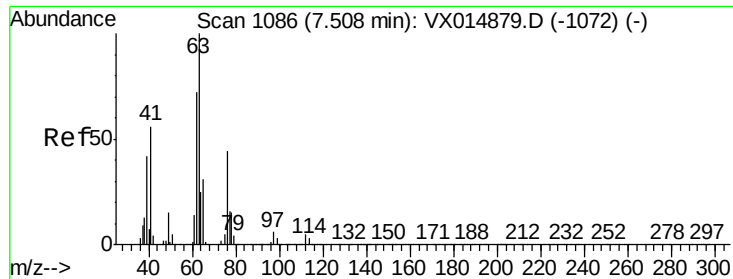
MMDadoda
2/13/2020 11:14:55 AM



#44
Trichloroethene
Concen: 49.126 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Tgt Ion	130	Resp	262054
Ion Ratio	Lower	Upper	
130	100		
95	93.6	0.0	182.6





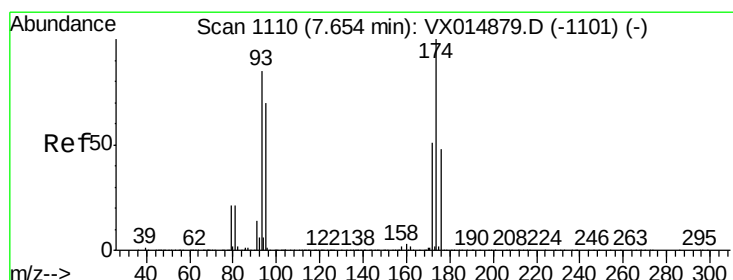
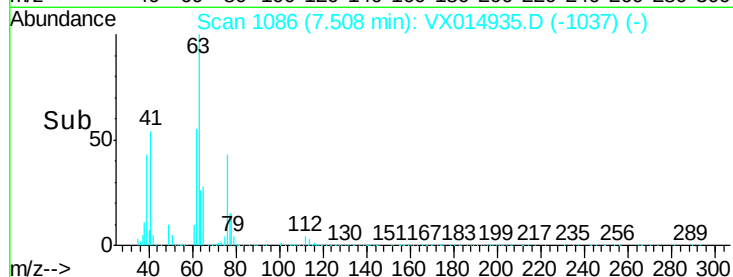
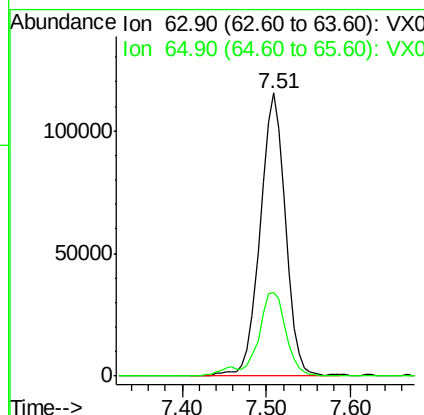
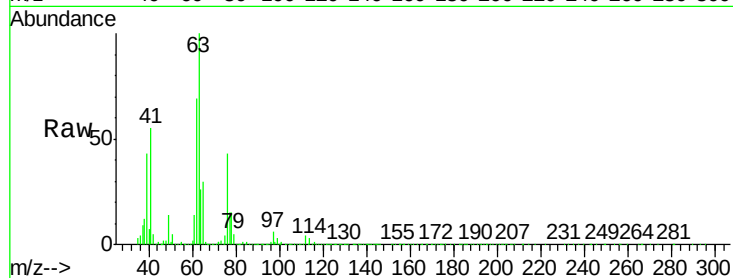
#45
 1,2-Dichloropropane
 Concen: 50.433 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX014935.D
 Acq: 12 Feb 2020 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.6	24.9	37.3

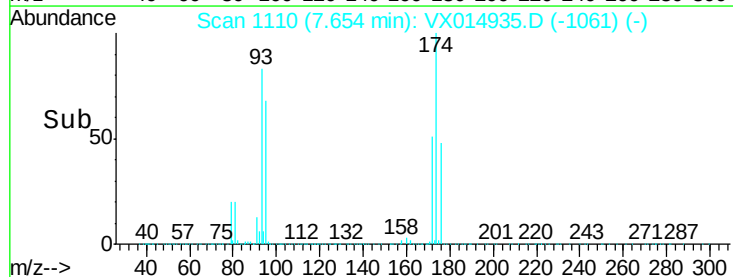
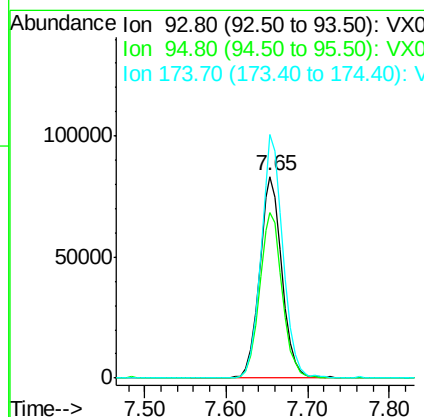
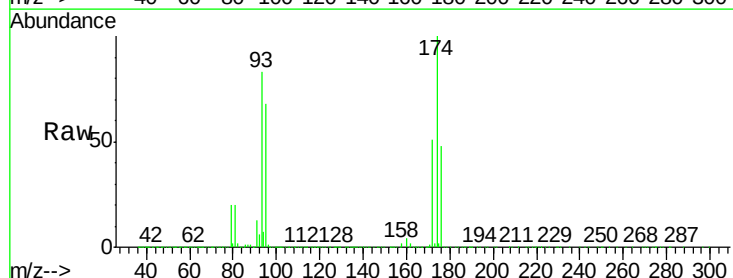
Manual Integrations
 APPROVED

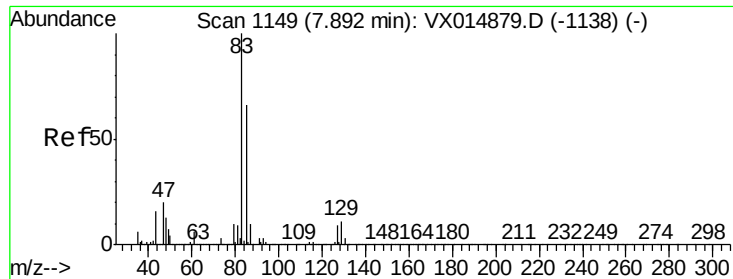
MMDadoda
 2/13/2020 11:14:55 AM



#46
 Dibromomethane
 Concen: 49.713 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX014935.D
 Acq: 12 Feb 2020 18:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.8	98.8
174	118.4	95.4	143.2





#47

Bromodichloromethane

Concen: 49.690 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

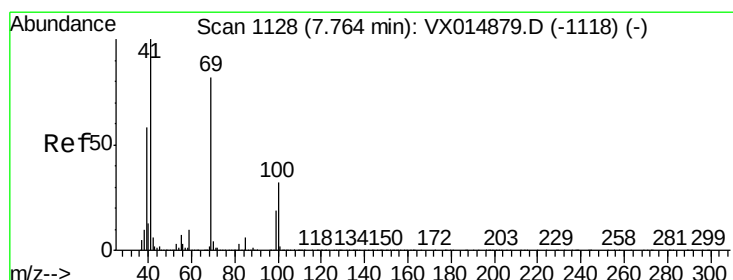
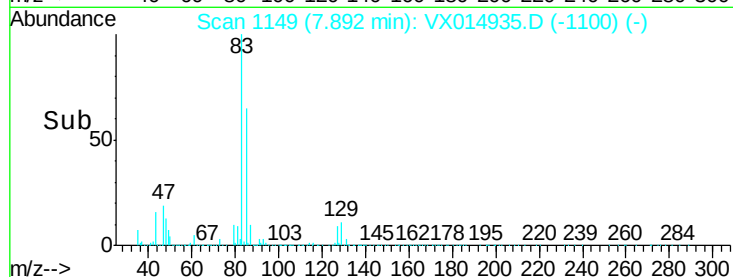
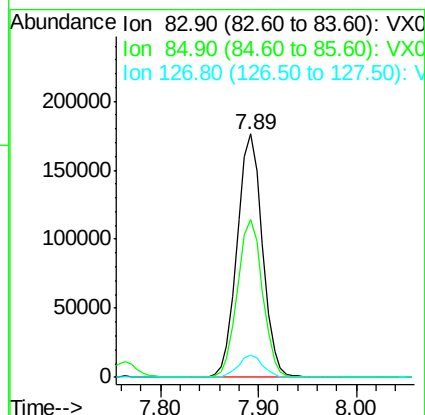
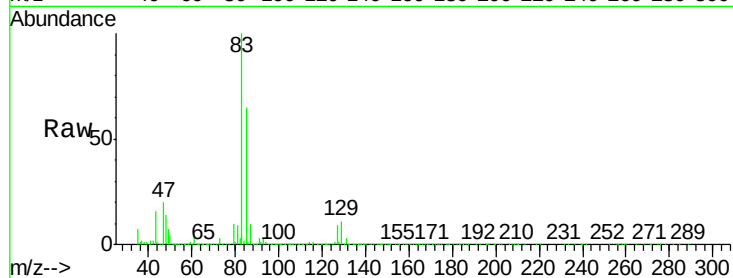
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	315604
Ion Ratio	Lower	Upper	
83	100		
85	64.9	52.5	78.7
127	8.8	7.4	11.0

Manual Integrations
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MMDadoda
2/13/2020 11:14:55 AM



#48

Methyl methacrylate

Concen: 53.551 ug/l

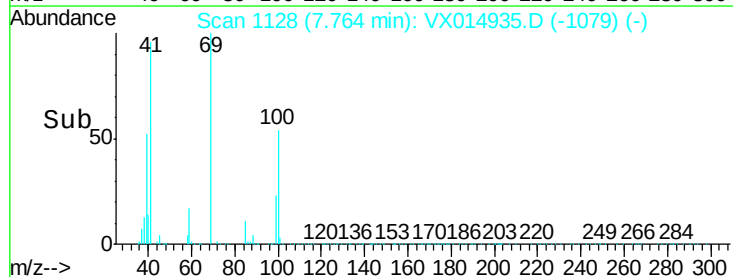
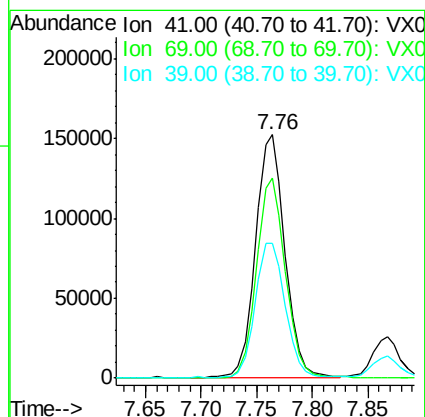
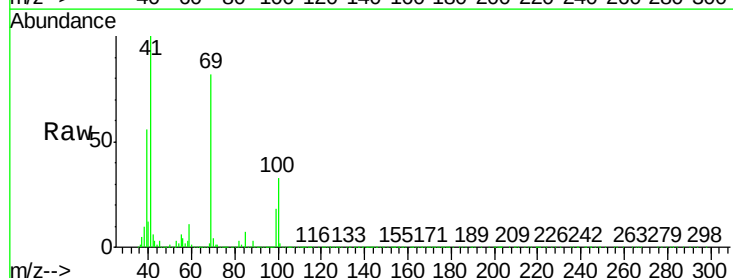
RT: 7.76 min Scan# 1128

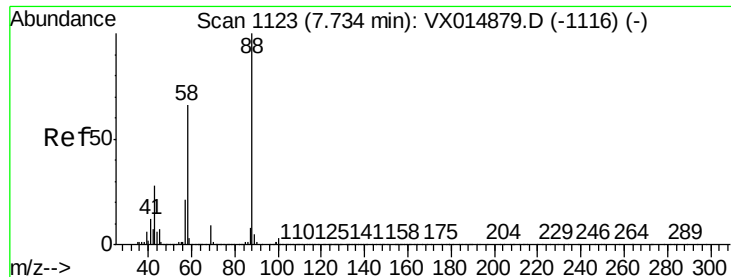
Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Tgt Ion:	41	Resp:	278862
Ion Ratio	Lower	Upper	
41	100		
69	81.8	65.7	98.5
39	57.2	45.8	68.8





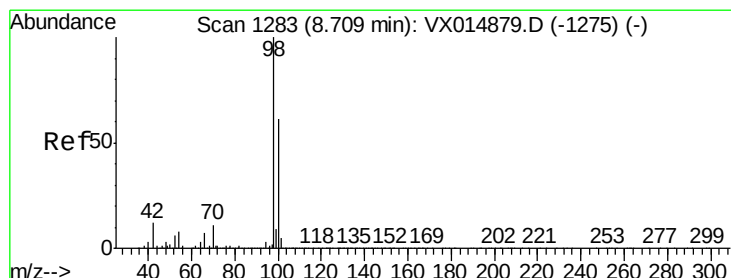
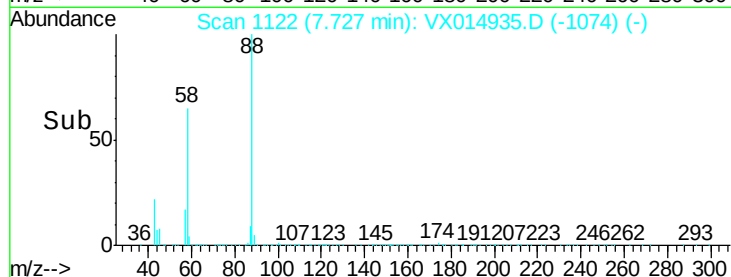
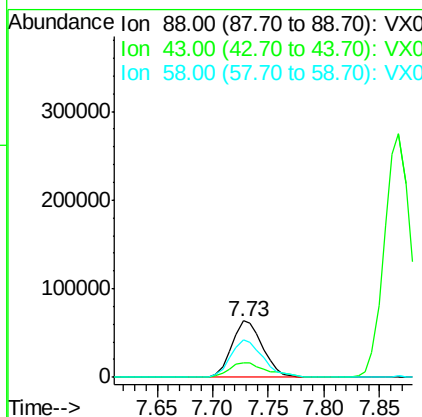
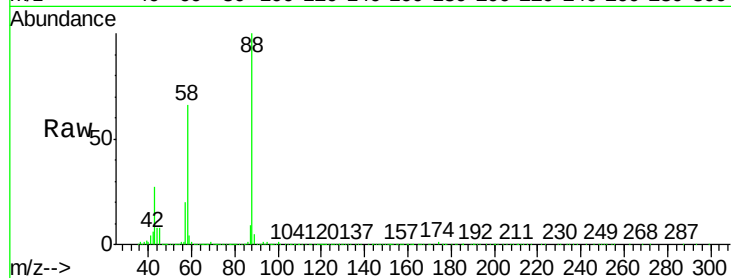
#49
1,4-Dioxane
Concen: 1254.442 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	27.0	40.4
58	69.0	53.2	79.8

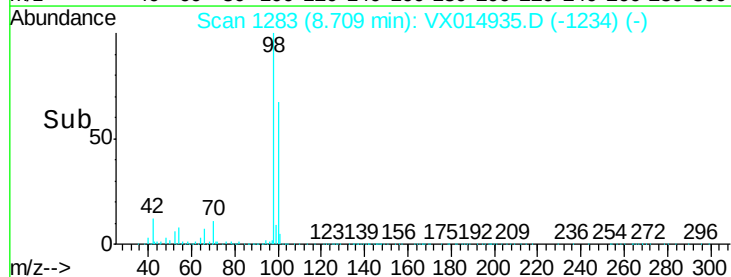
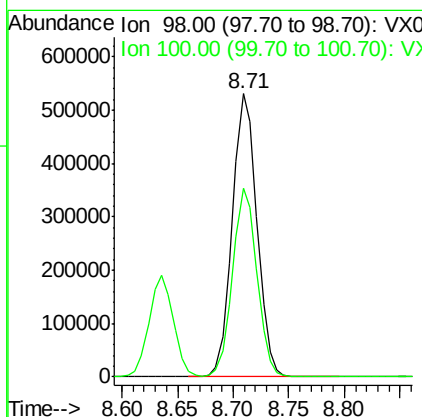
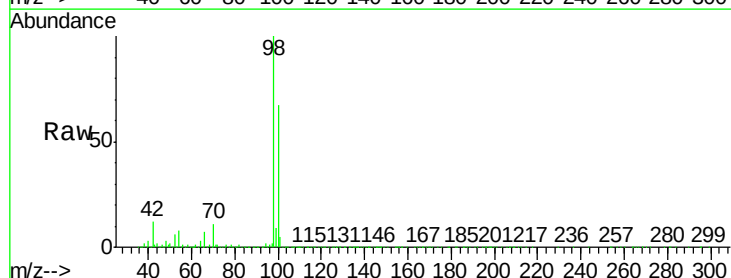
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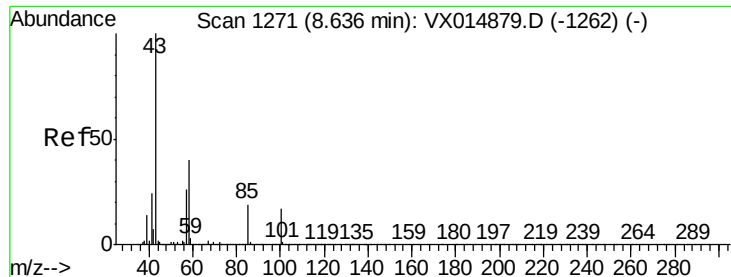
MMDadoda
2/13/2020 11:14:55 AM



#50
Toluene-d8
Concen: 50.452 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 266.976 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1705780

Ion Ratio Lower Upper

43 100

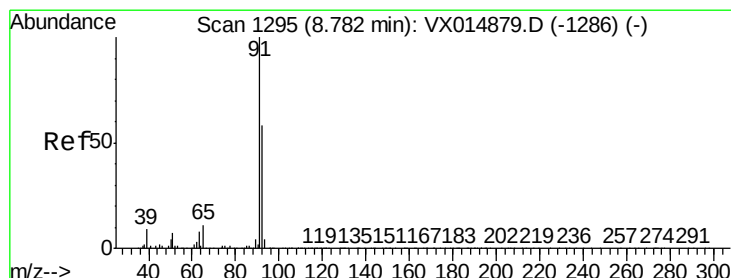
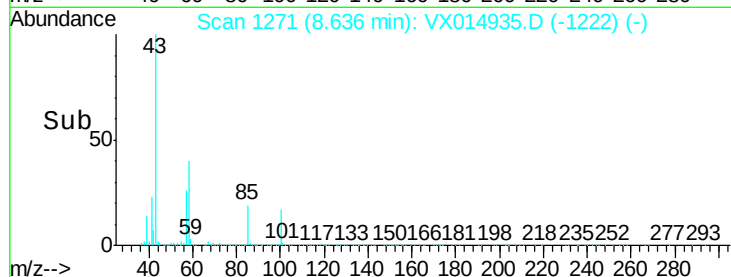
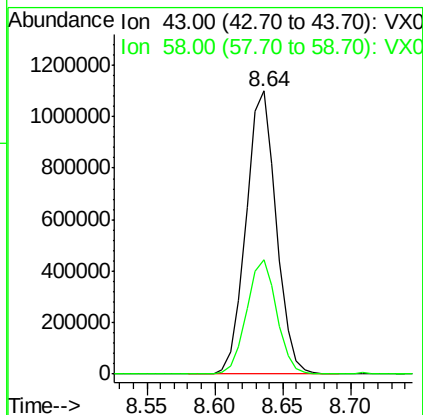
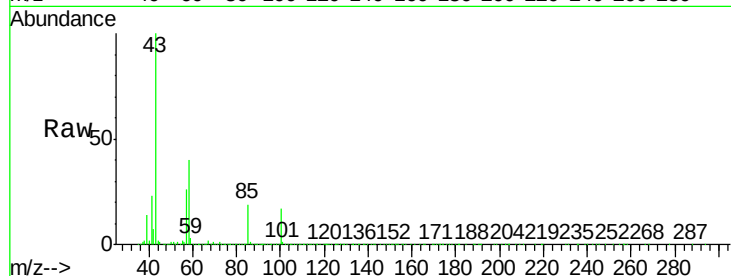
58 40.1 31.9 47.9

Manual Integrations

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#52

Toluene

Concen: 50.722 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX014935.D

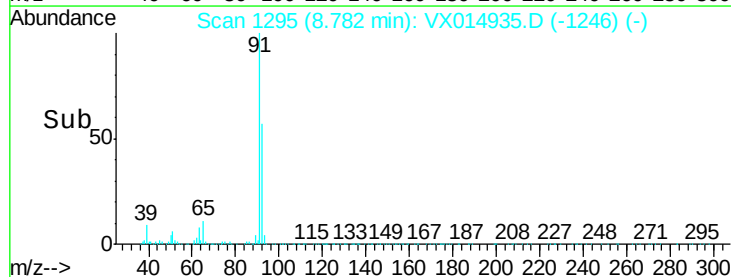
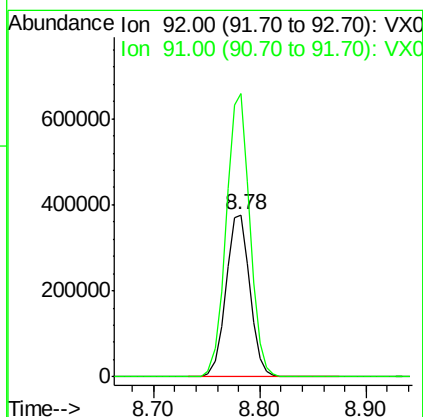
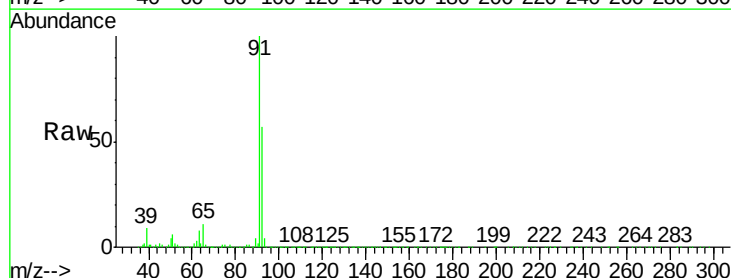
Acq: 12 Feb 2020 18:47

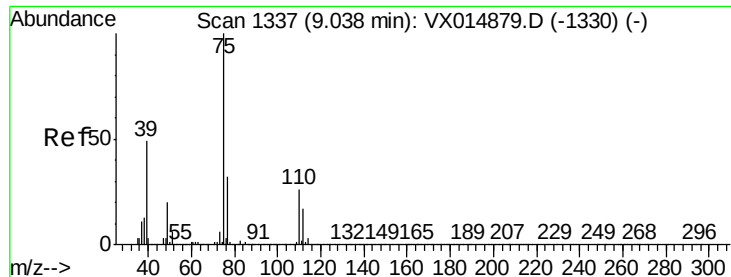
Tgt Ion: 92 Resp: 591968

Ion Ratio Lower Upper

92 100

91 172.3 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 51.907 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 361317

Ion Ratio Lower Upper

75 100

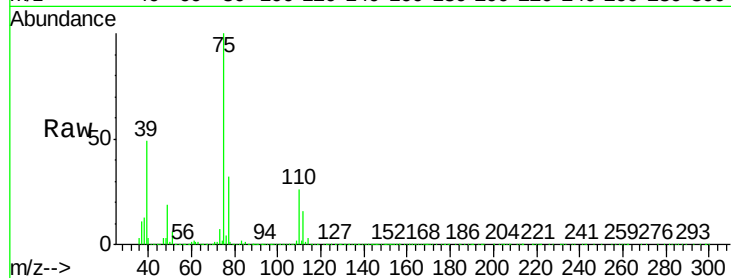
77 31.9 25.5 38.3

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

250000

200000

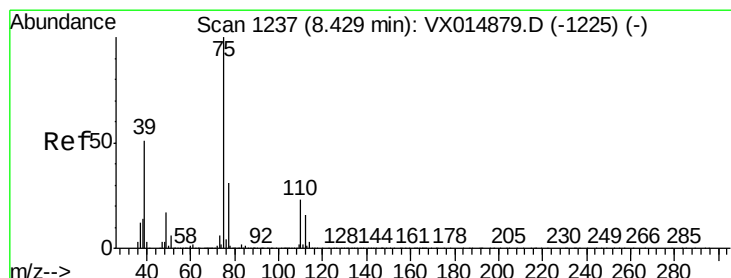
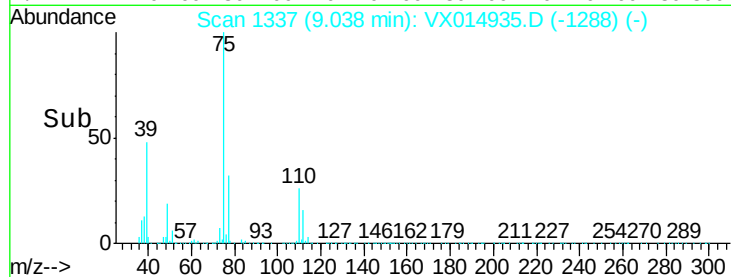
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.769 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

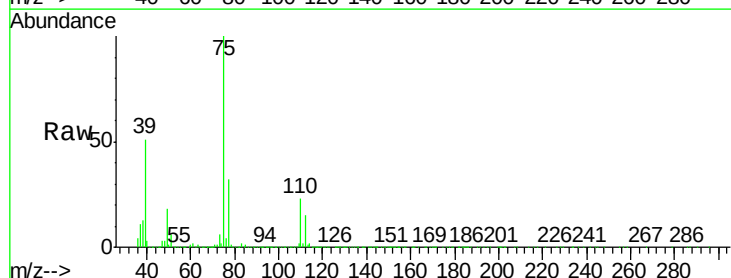
Tgt Ion: 75 Resp: 390399

Ion Ratio Lower Upper

75 100

77 31.7 24.6 37.0

39 50.8 40.9 61.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

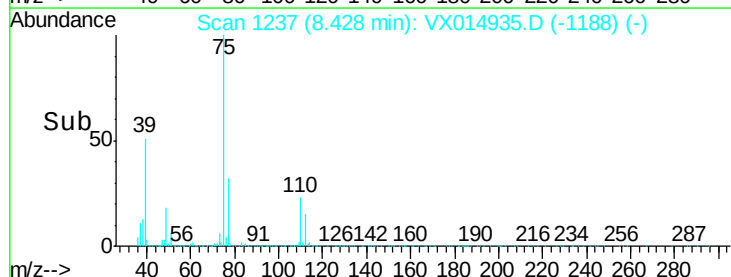
300000

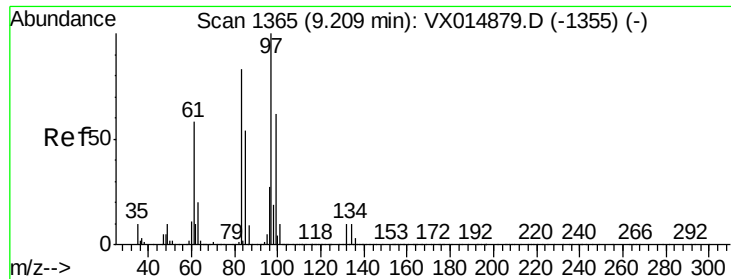
200000

100000

0

Time-->





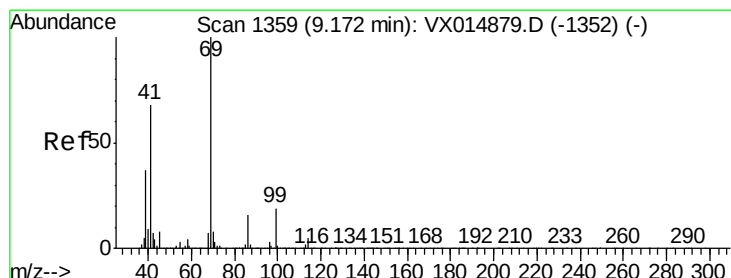
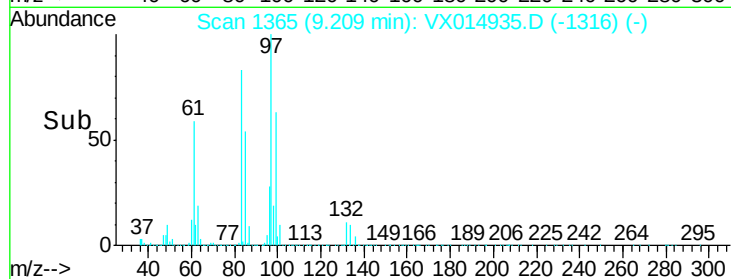
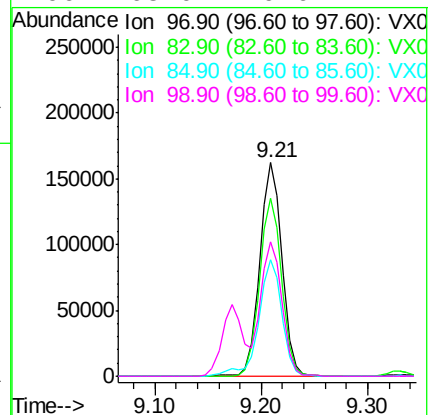
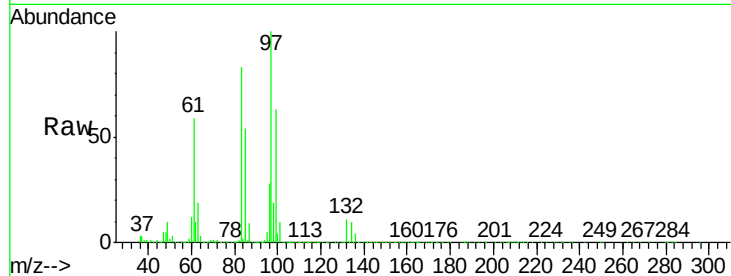
#55
 1,1,2-Trichloroethane
 Concen: 50.018 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX014935.D
 Acq: 12 Feb 2020 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		236174		
83	83.4	66.6	99.8		
85	54.2	43.5	65.3		
99	63.0	49.6	74.4		

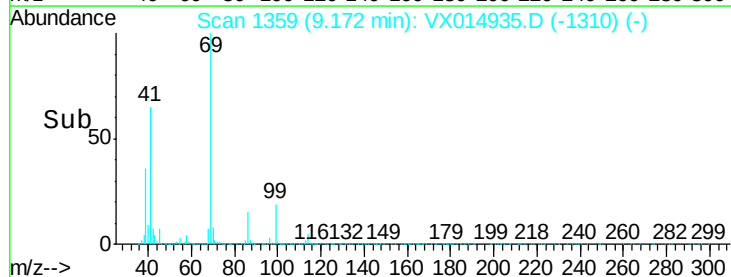
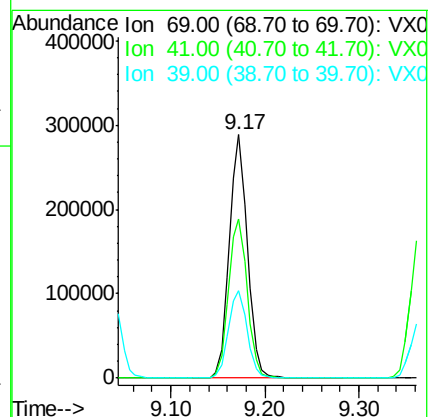
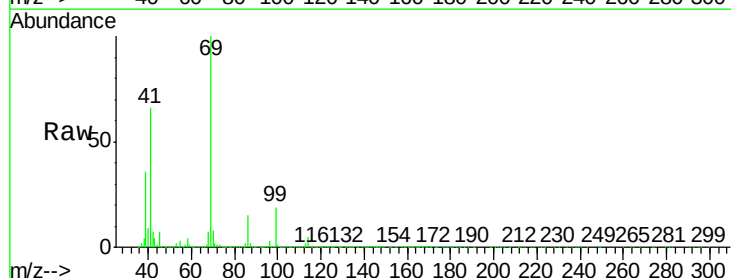
Manual Integrations
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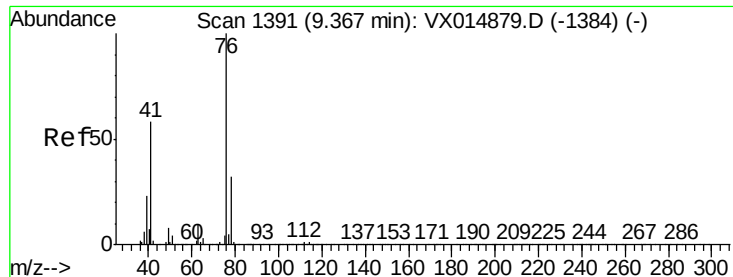
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#56
 Ethyl methacrylate
 Concen: 54.215 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX014935.D
 Acq: 12 Feb 2020 18:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		384781		
41	67.3	54.8	82.2		
39	36.8	29.9	44.9		





#57

1,3-Dichloropropane

Concen: 50.281 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 399654

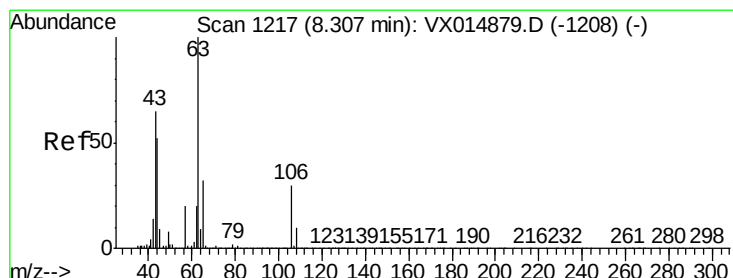
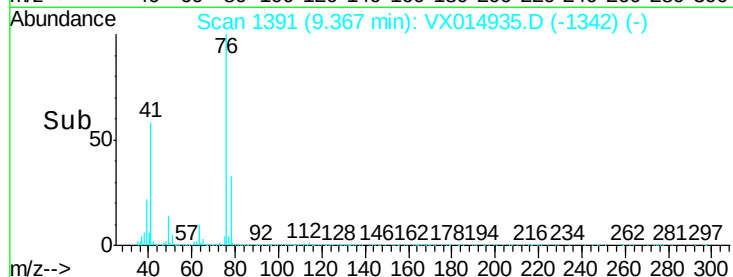
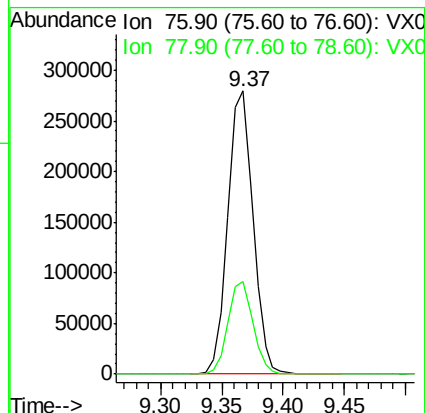
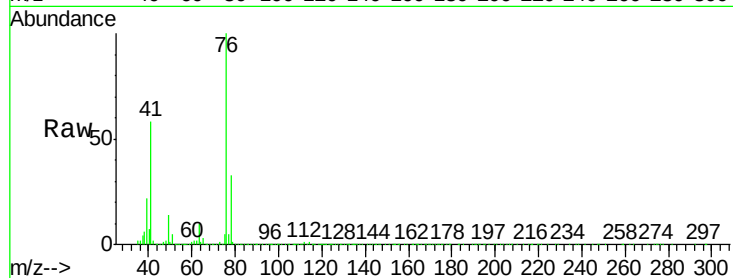
Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 262.717 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX014935.D

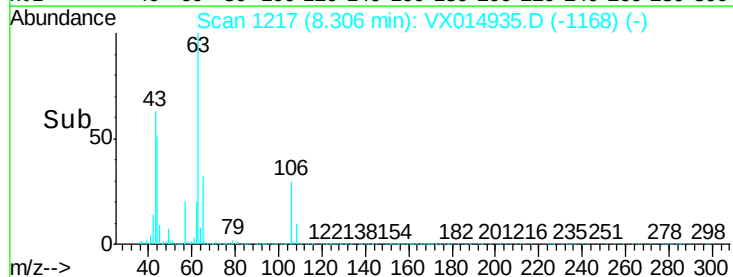
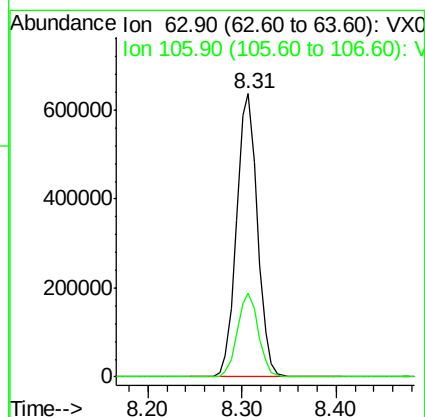
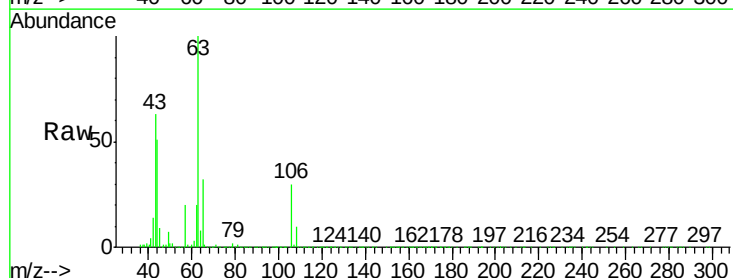
Acq: 12 Feb 2020 18:47

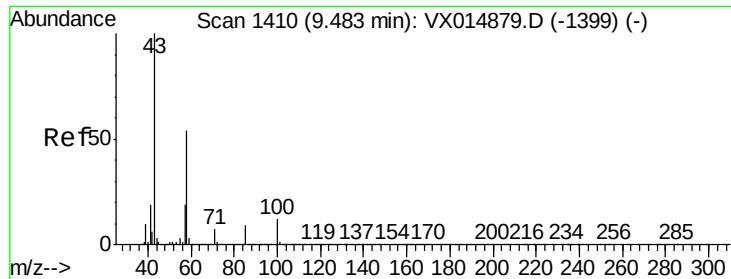
Tgt Ion: 63 Resp: 975138

Ion Ratio Lower Upper

63 100

106 29.8 23.8 35.8





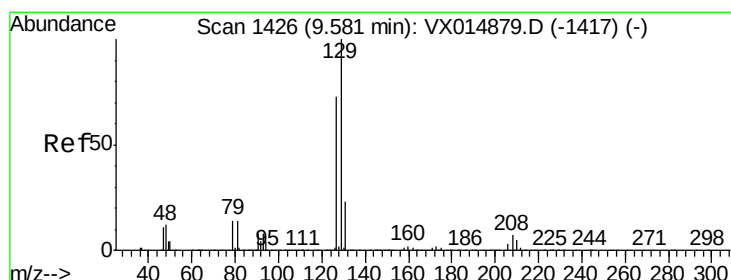
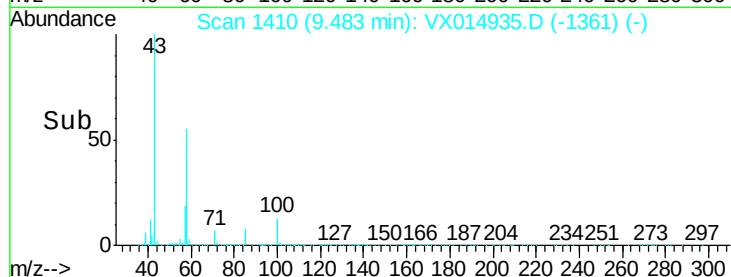
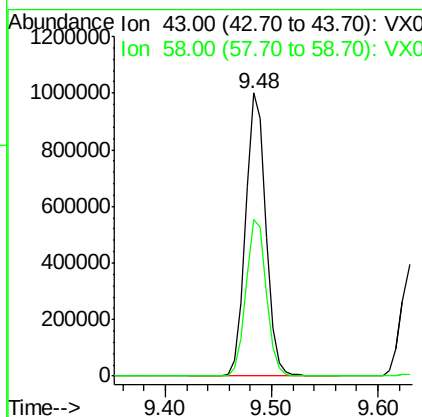
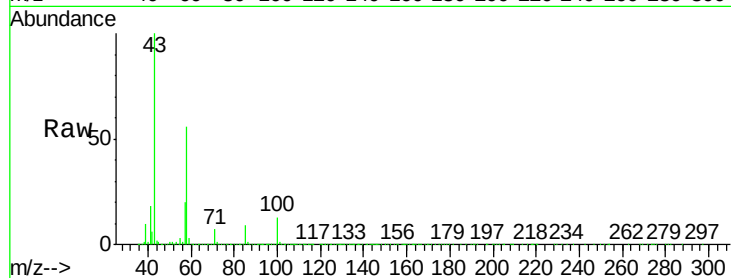
#59
2-Hexanone
Concen: 265.208 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1331886
Ion Ratio Lower Upper
43 100
58 55.9 27.5 82.5

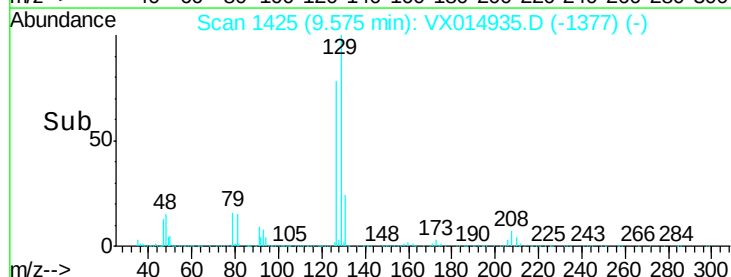
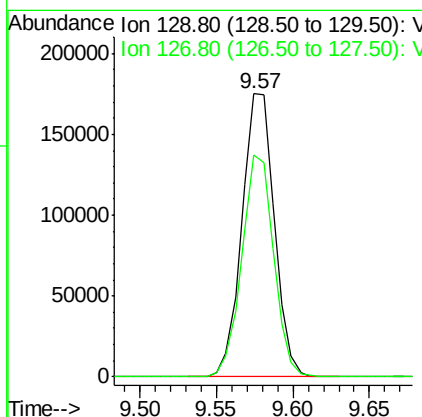
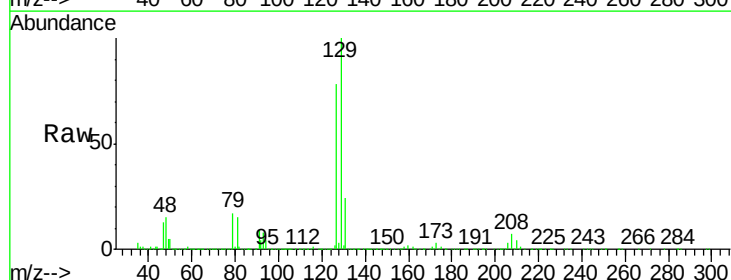
Manual Integrations
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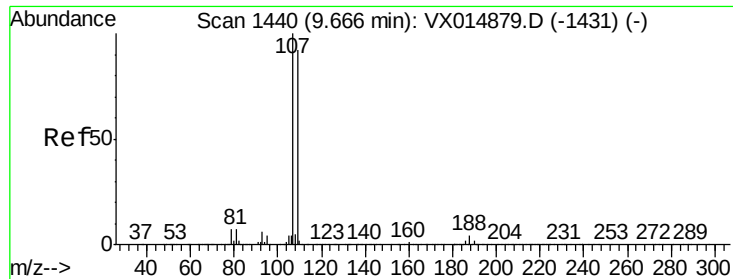
MMDadoda
2/13/2020 11:14:55 AM



#60
Dibromochloromethane
Concen: 50.664 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Tgt Ion: 129 Resp: 257443
Ion Ratio Lower Upper
129 100
127 77.1 37.8 113.3





#61

1,2-Dibromoethane

Concen: 50.272 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 256121

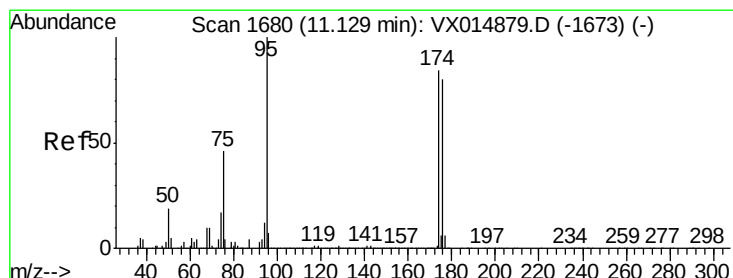
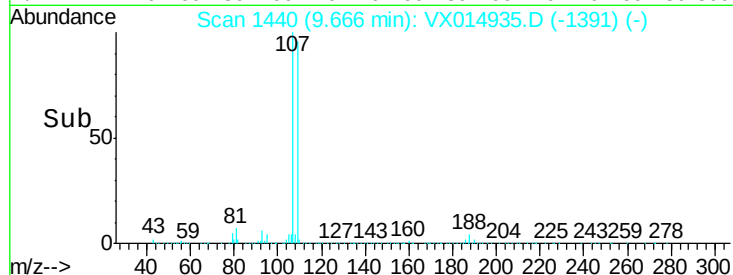
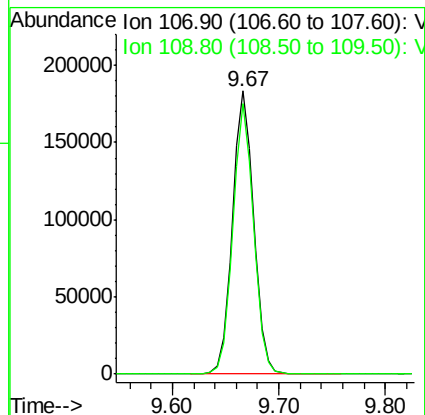
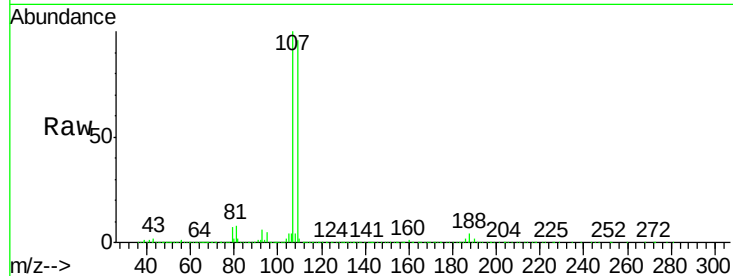
Ion Ratio Lower Upper

107 100

109 93.5 75.6 113.4

Manual Integrations
APPROVED

MMDadoda
2/13/2020 11:14:55 AM



#62

4-Bromofluorobenzene

Concen: 52.585 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

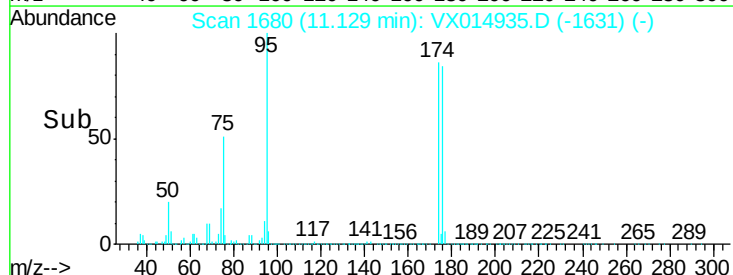
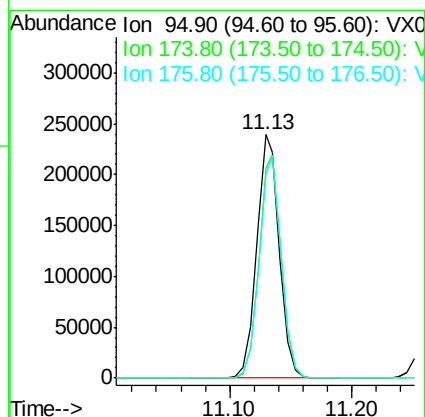
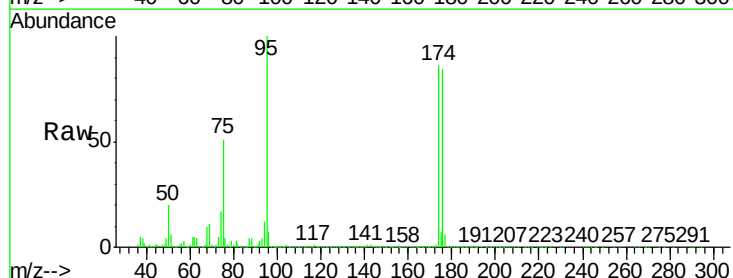
Tgt Ion: 95 Resp: 305612

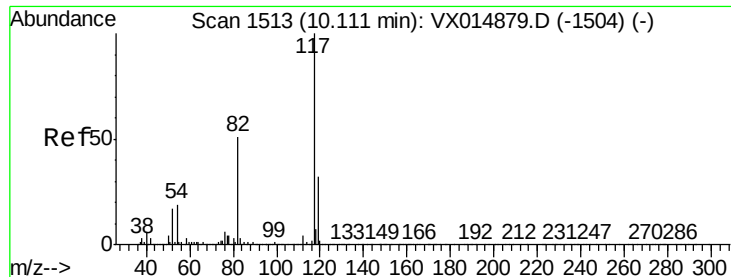
Ion Ratio Lower Upper

95 100

174 91.1 0.0 183.0

176 90.5 0.0 178.0





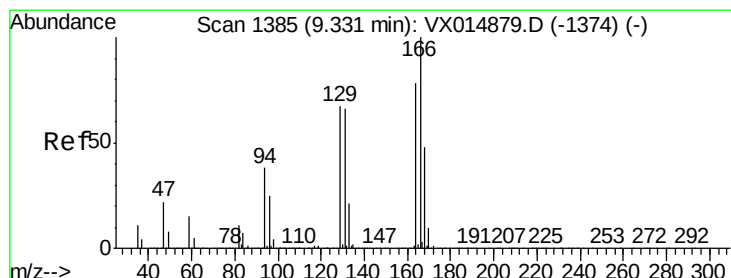
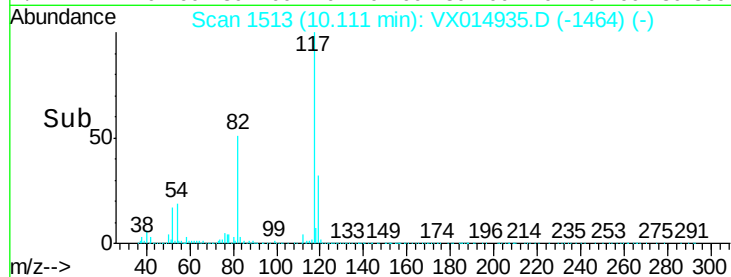
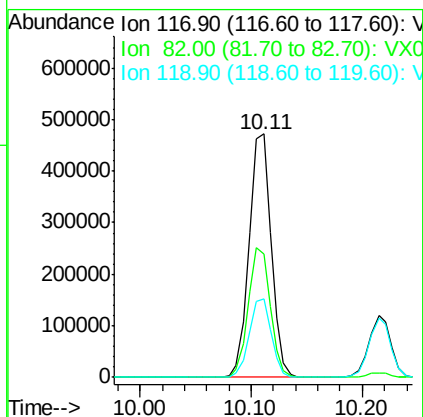
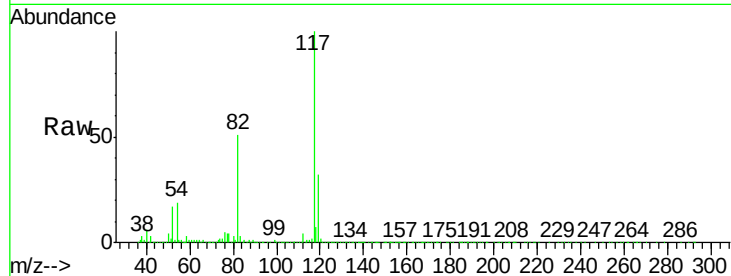
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	40.5	60.7
119	32.1	25.8	38.6

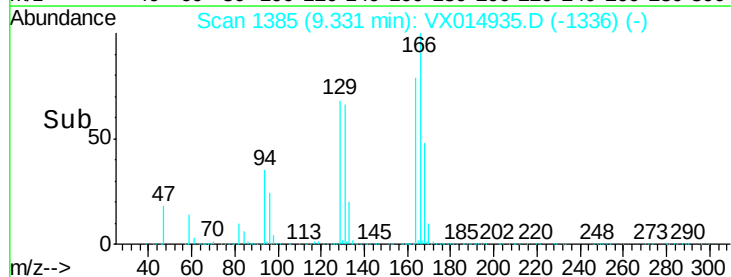
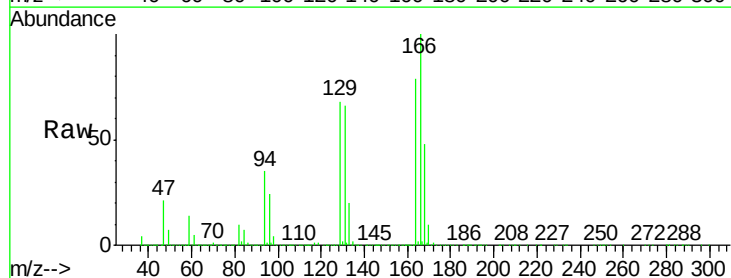
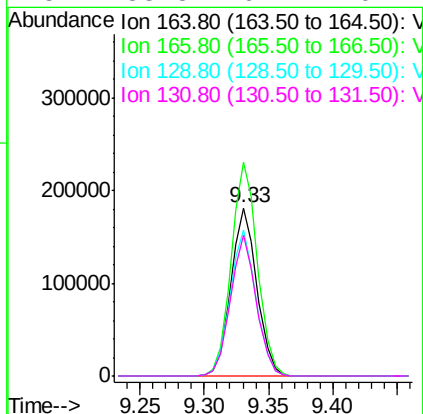
Manual Integrations
APPROVED

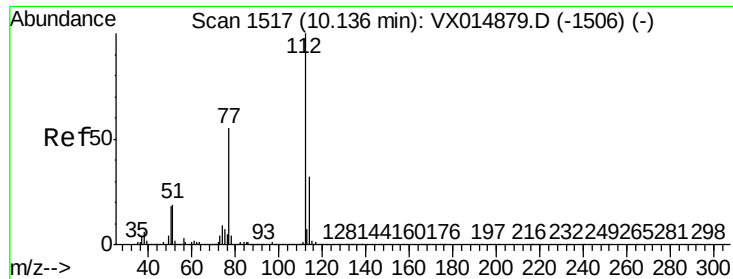
MMDadoda
2/13/2020 11:14:55 AM



#64
Tetrachloroethene
Concen: 41.652 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	102.6	153.8
129	86.8	68.3	102.5
131	83.8	67.4	101.2





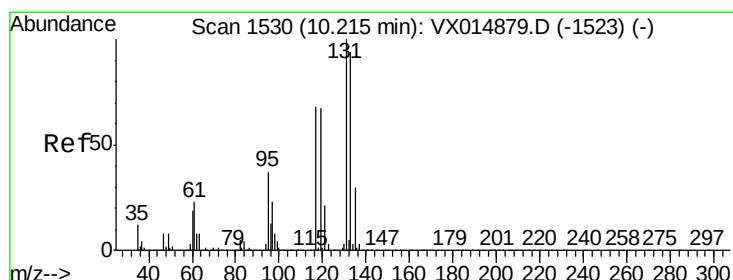
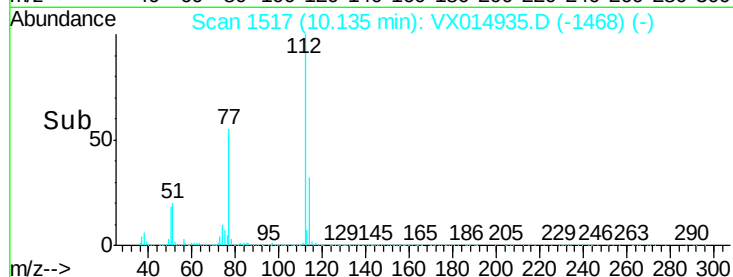
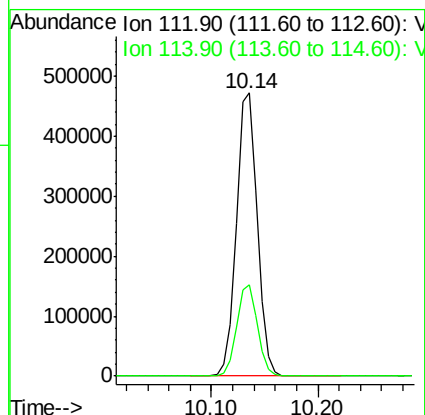
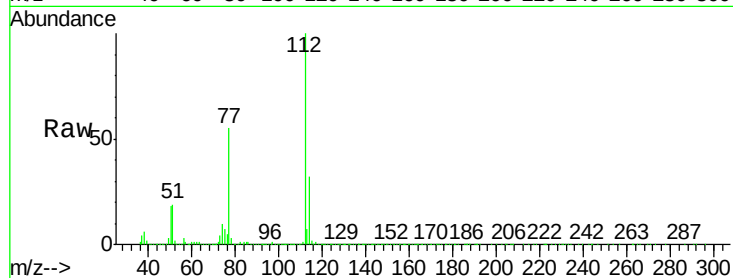
#65
Chlorobenzene
Concen: 49.064 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 649729
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4

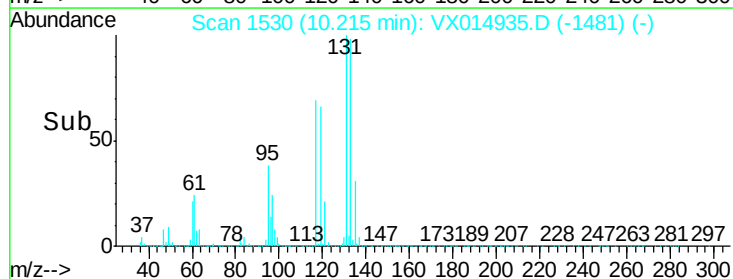
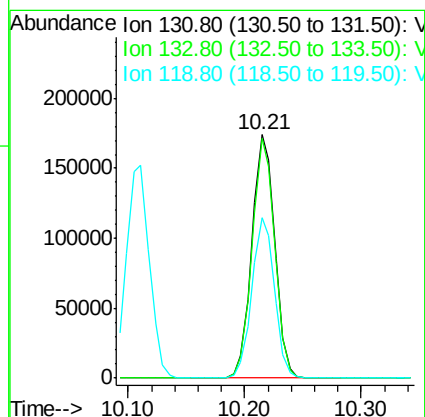
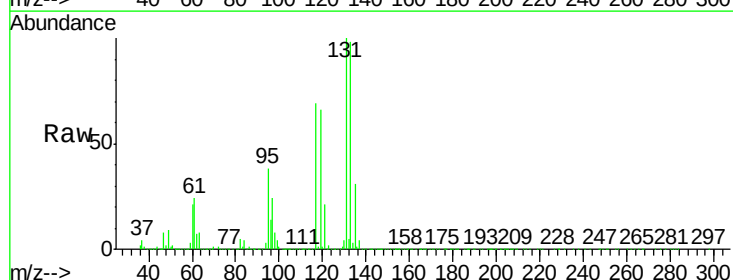
Manual Integrations
APPROVED

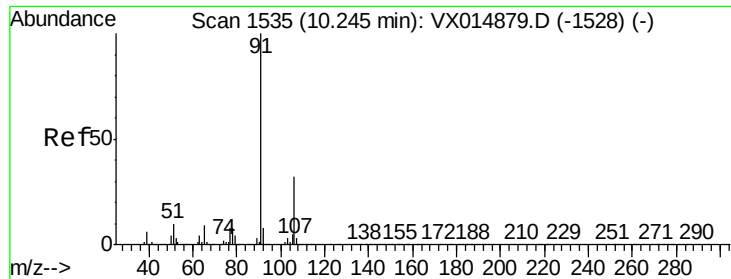
MMDadoda
2/13/2020 11:14:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.817 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Tgt Ion:131 Resp: 239501
Ion Ratio Lower Upper
131 100
133 96.6 48.1 144.4
119 64.7 33.0 99.0





#67

Ethyl Benzene

Concen: 50.796 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1143989

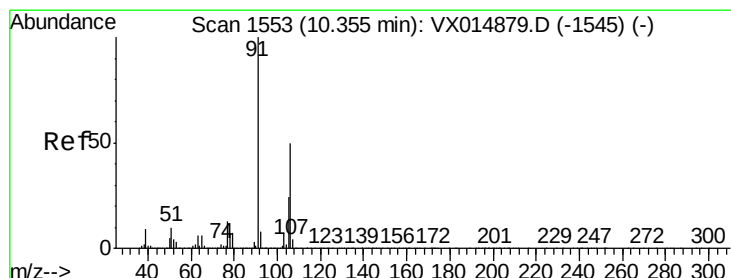
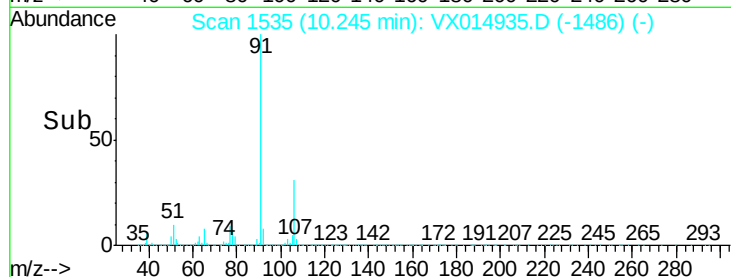
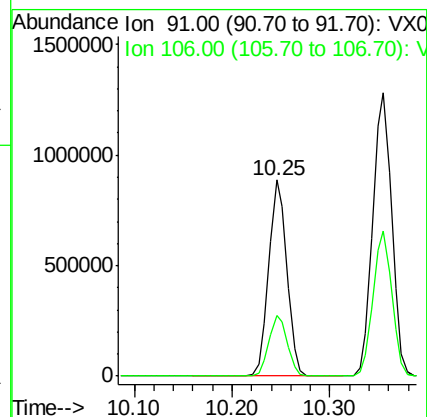
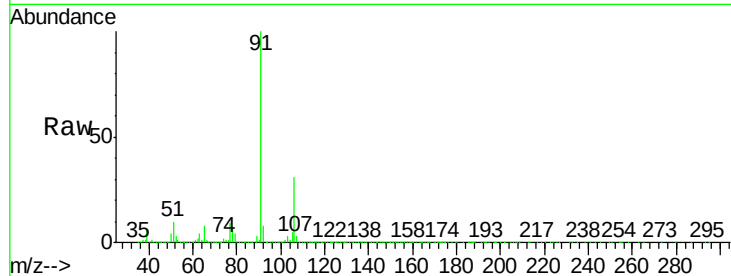
Ion Ratio Lower Upper

91 100

106 30.6 25.3 37.9

Manual Integrations
APPROVED

MMDadoda
2/13/2020 11:14:55 AM



#68

m/p-Xylenes

Concen: 101.238 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX014935.D

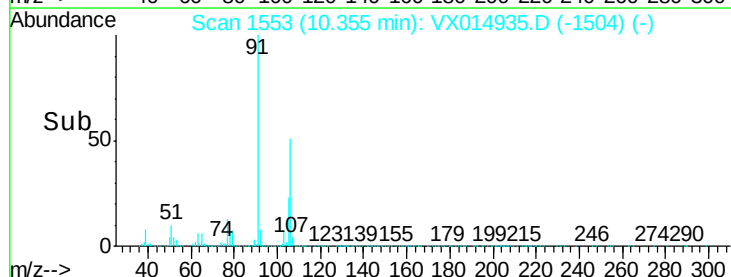
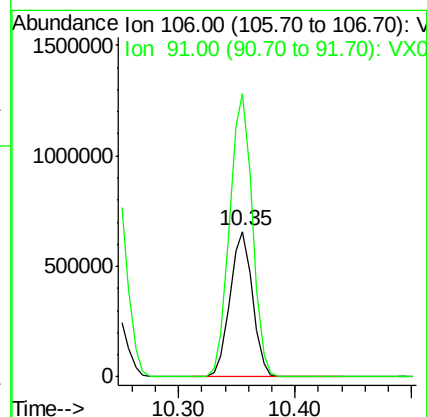
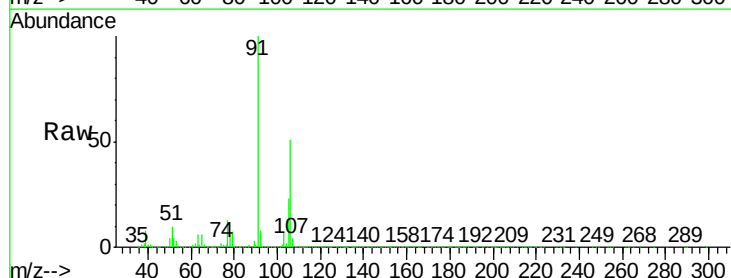
Acq: 12 Feb 2020 18:47

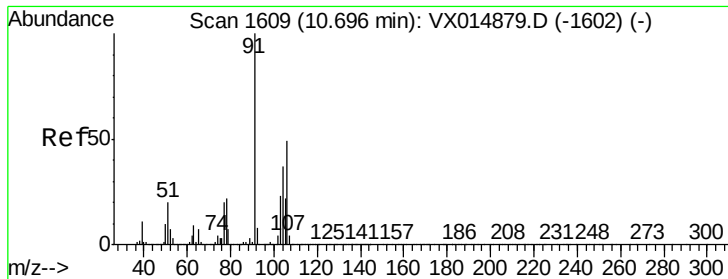
Tgt Ion: 106 Resp: 878334

Ion Ratio Lower Upper

106 100

91 196.5 160.6 240.8





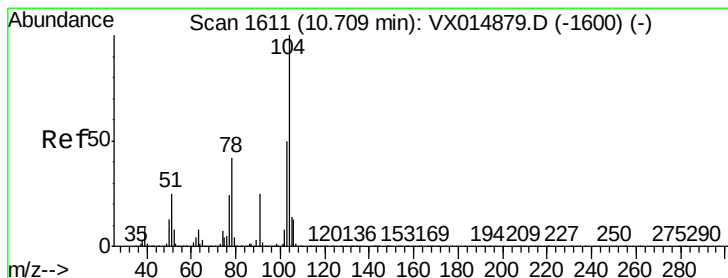
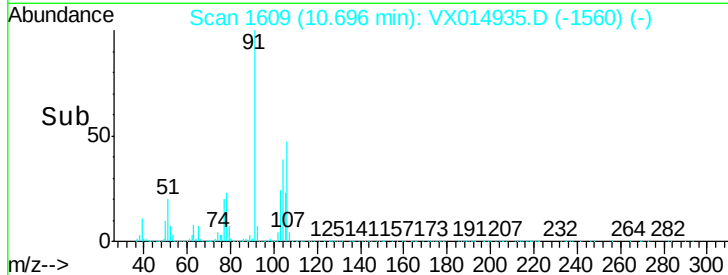
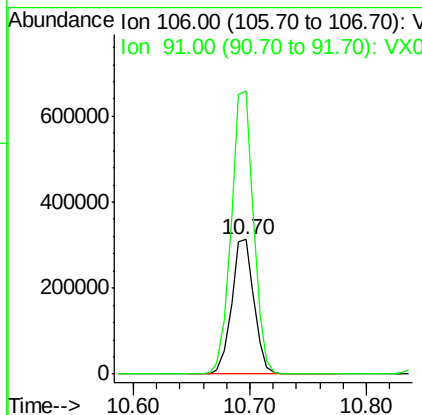
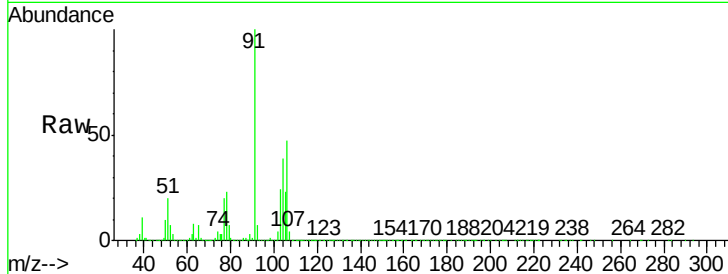
#69
o-Xylene
Concen: 49.899 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
106	100	416154		
91	211.2	105.1	315.3	

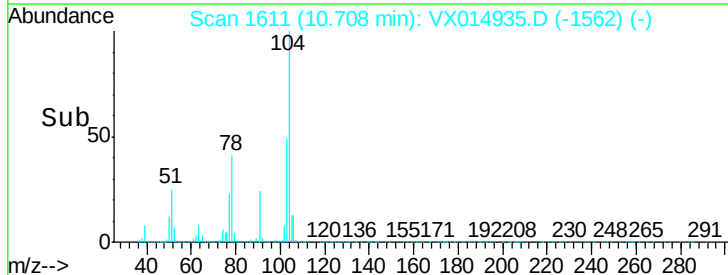
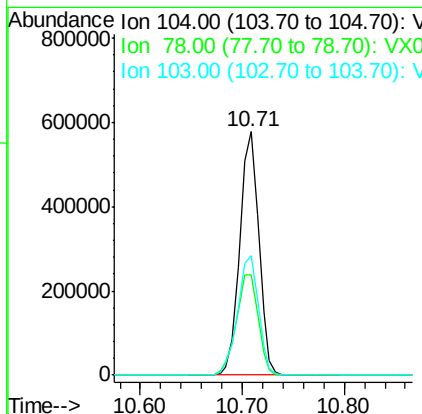
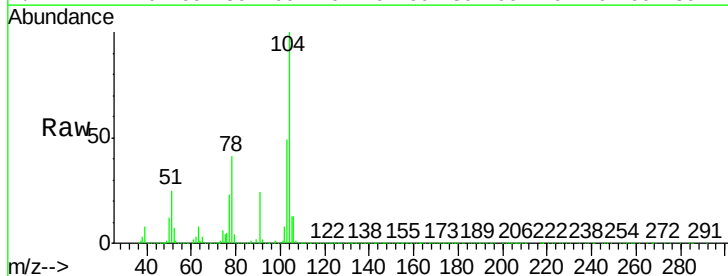
Manual Integrations
APPROVED

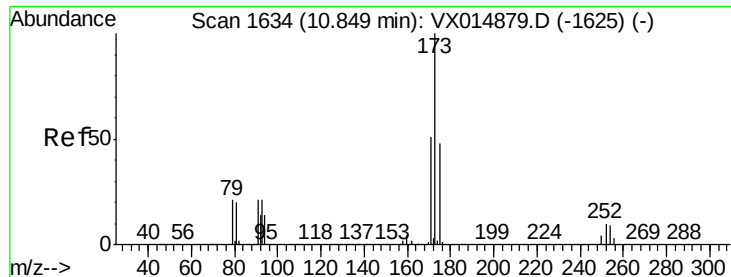
MMDadoda
2/13/2020 11:14:55 AM



#70
Styrene
Concen: 52.624 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	742469		
78	47.7	39.0	58.4	
103	53.7	43.4	65.0	





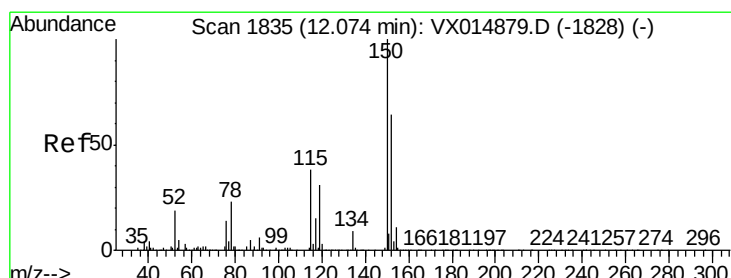
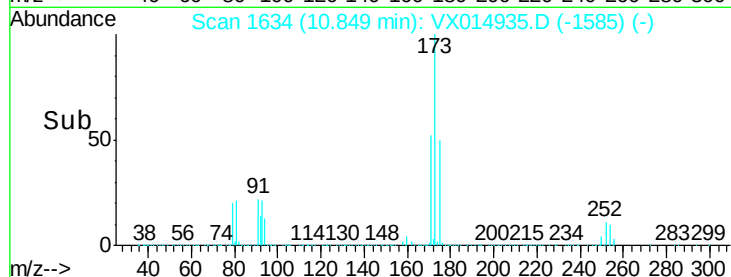
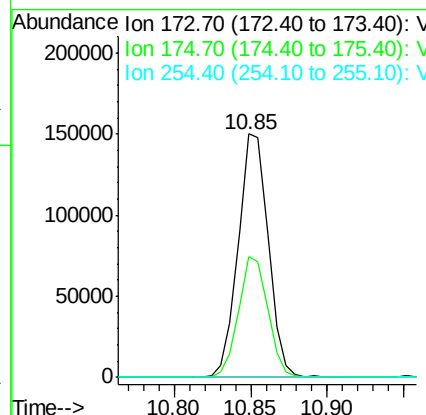
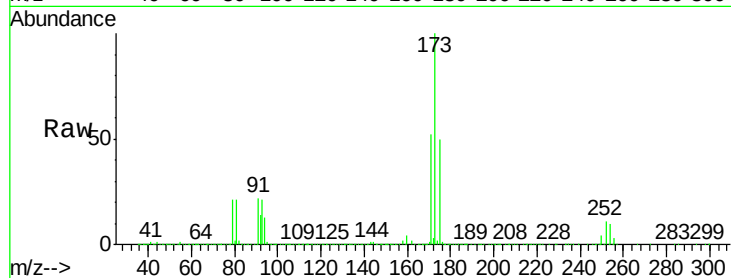
#71
Bromoform
Concen: 50.831 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.2	72.6
254	0.2	0.2	0.2

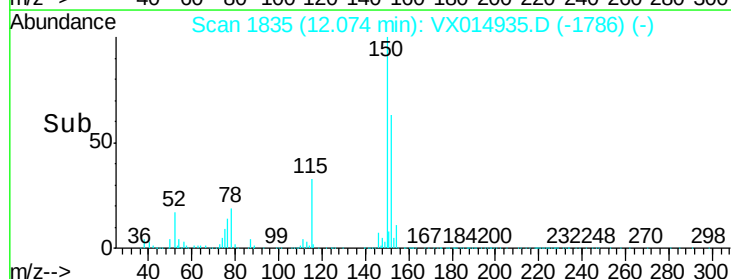
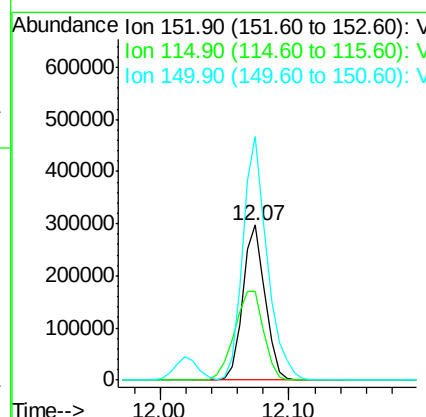
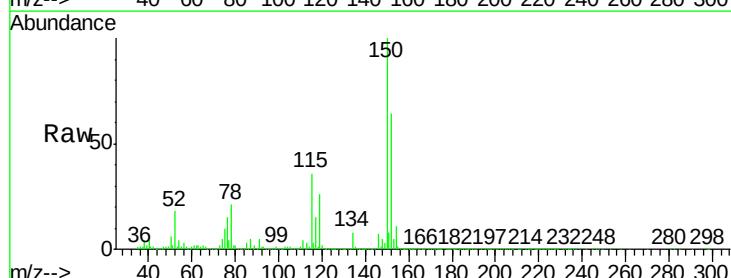
Manual Integrations
APPROVED

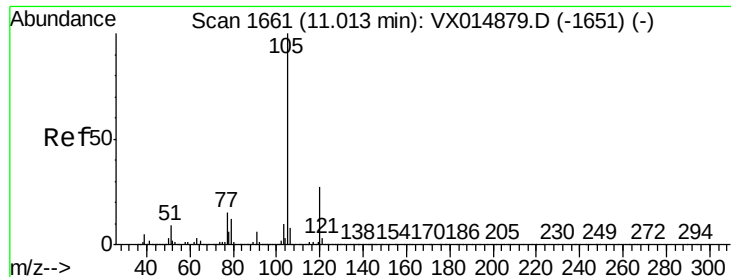
MMDadoda
2/13/2020 11:14:55 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	75.7	38.6	116.0
150	172.6	0.0	349.0





#73

Isopropylbenzene

Concen: 50.054 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1107773

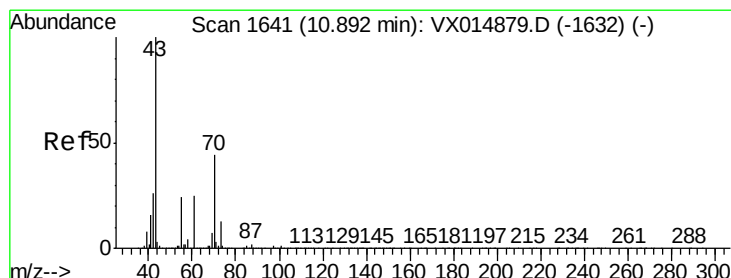
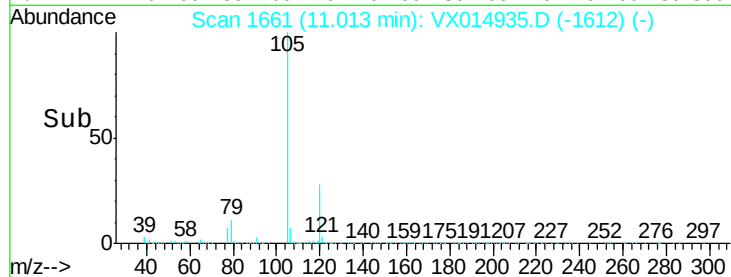
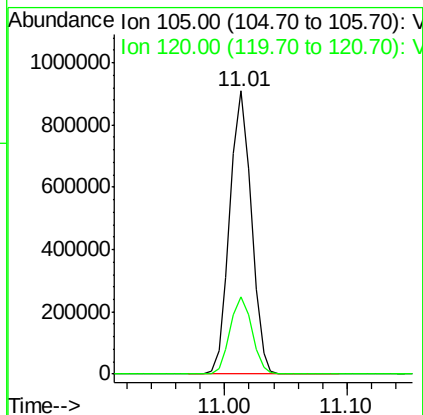
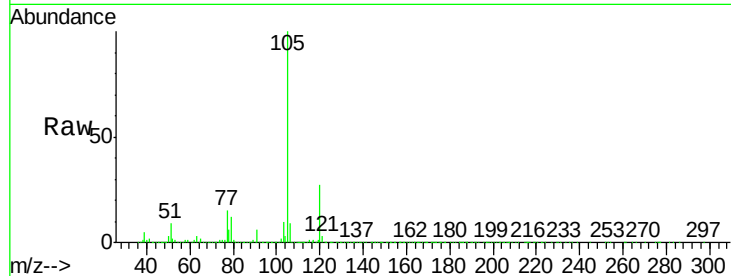
Ion Ratio Lower Upper

105 100

120 27.5 13.6 40.8

Manual Integrations
APPROVED

MMDadoda
2/13/2020 11:14:55 AM



#74

N-ethyl acetate

Concen: 56.885 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Tgt Ion: 43 Resp: 523094

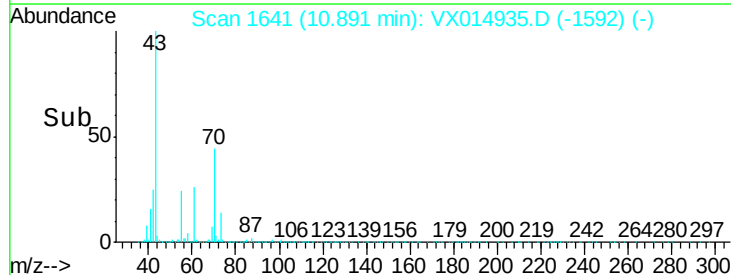
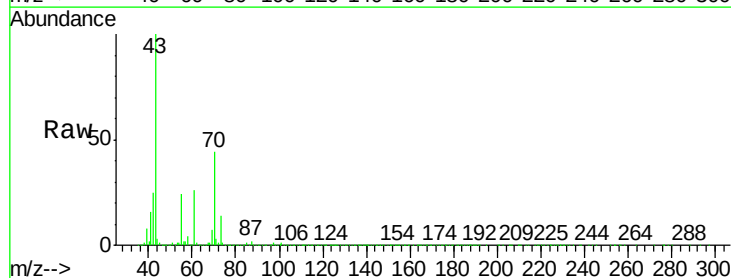
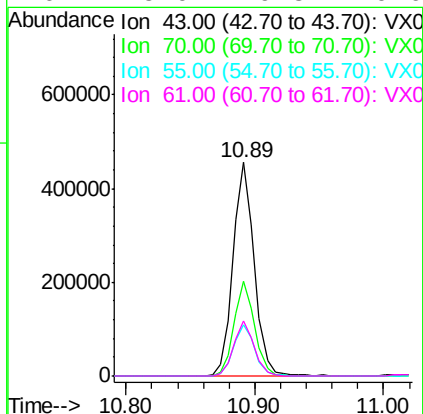
Ion Ratio Lower Upper

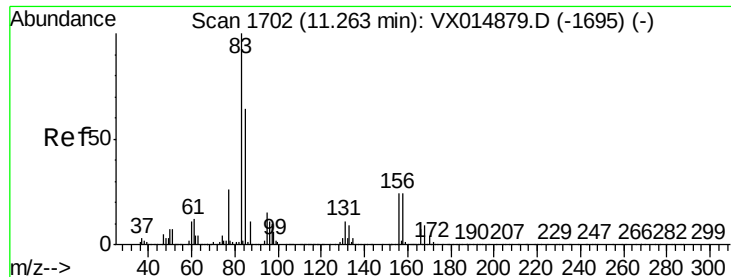
43 100

70 43.2 35.0 52.4

55 23.9 19.4 29.2

61 25.0 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.891 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

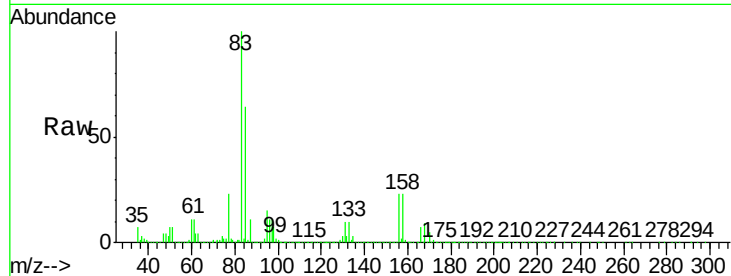
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	360941
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	16.1
85	64.7	32.6	97.7

Manual Integrations
APPROVED

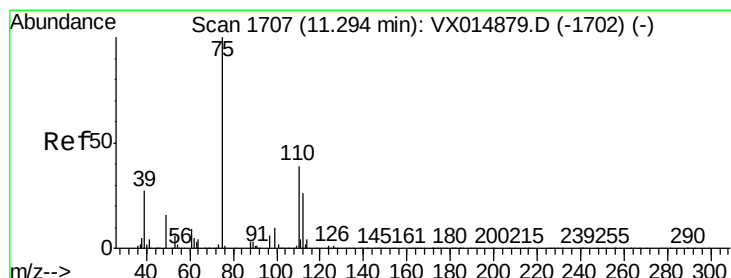
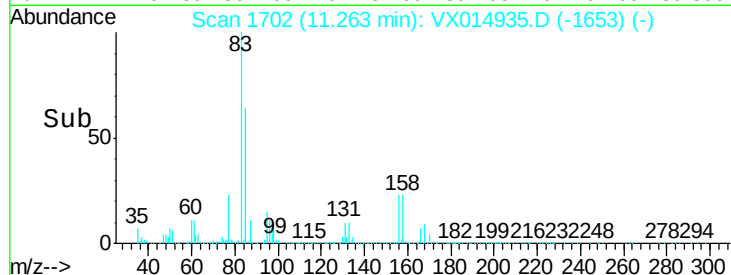
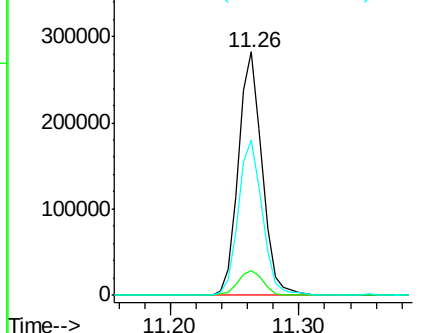
MMDadoda
2/13/2020 11:14:55 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 47.324 ug/l m

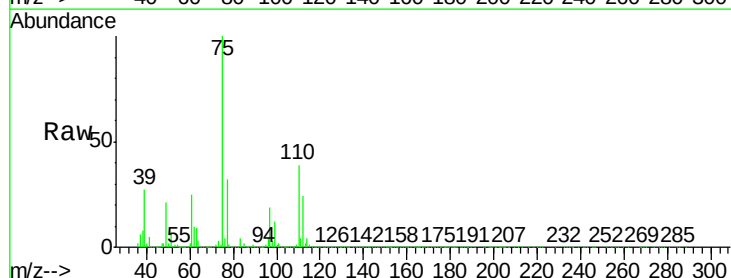
RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX014935.D

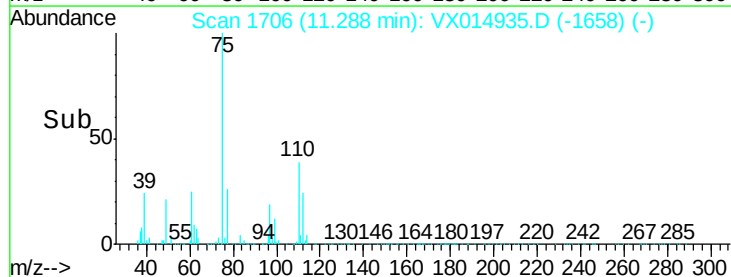
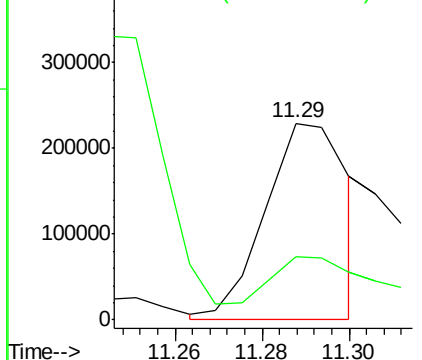
Acq: 12 Feb 2020 18:47

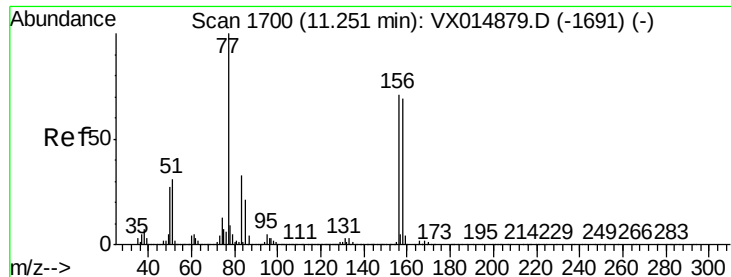
Tgt Ion:	75	Resp:	302009
Ion Ratio	Lower	Upper	
75	100		
77	45.4	18.4	55.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.930 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

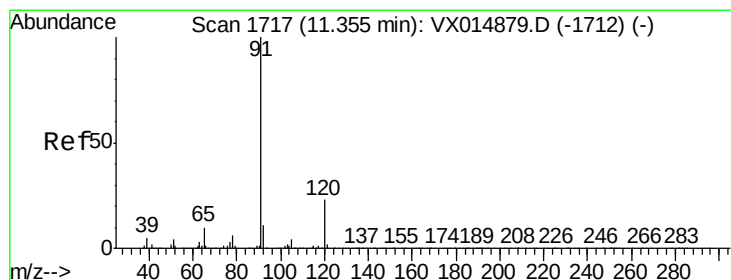
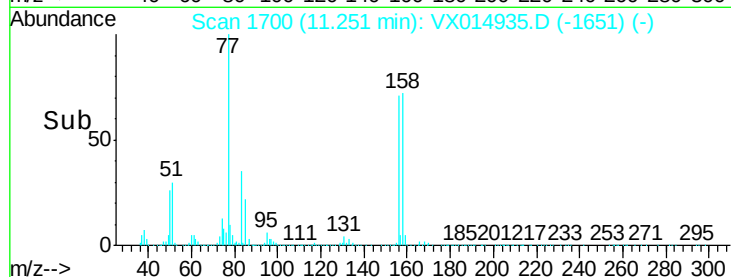
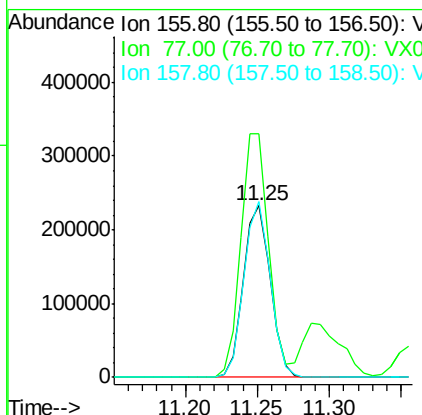
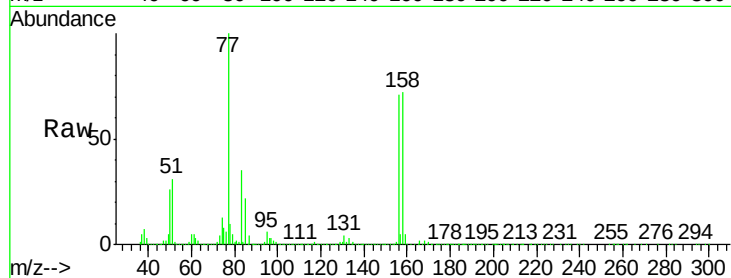
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	302247
Ion Ratio	Lower	Upper	
156	100		
77	144.9	74.0	222.0
158	99.4	48.9	146.6

Manual Integrations
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2/13/2020 11:14:55 AM



#78

n-propylbenzene

Concen: 50.337 ug/l

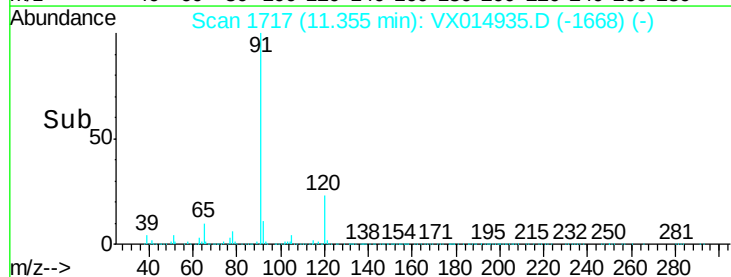
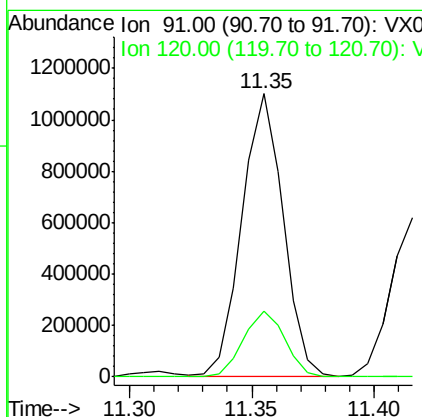
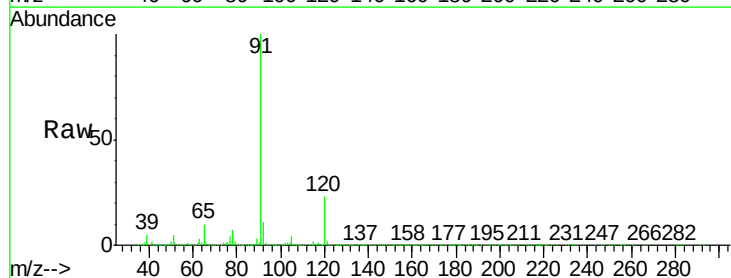
RT: 11.35 min Scan# 1717

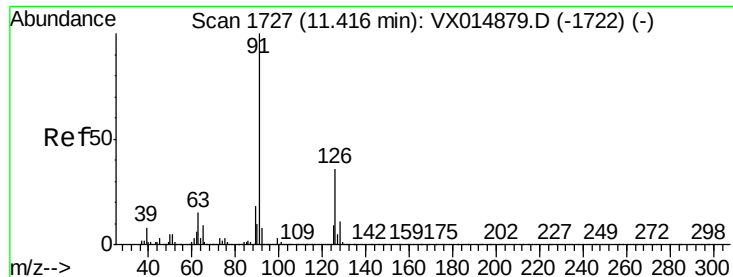
Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Tgt Ion:	91	Resp:	1288479
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.8	35.4





#79

2-Chlorotoluene

Concen: 49.193 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 740281

Ion Ratio Lower Upper

91 100

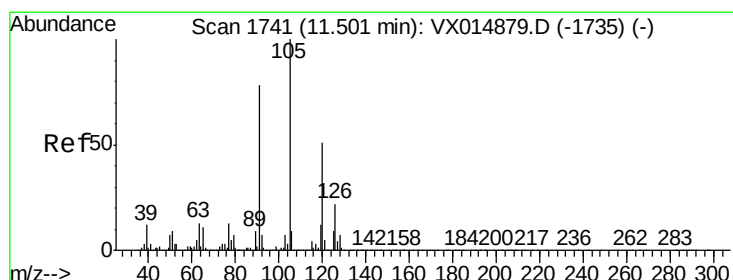
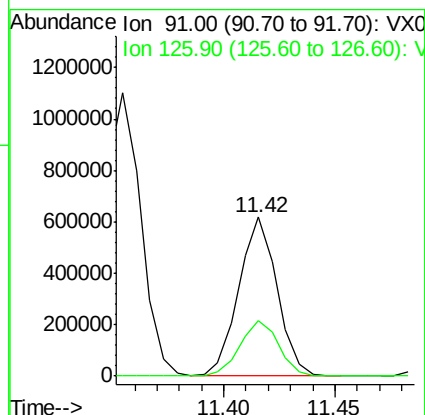
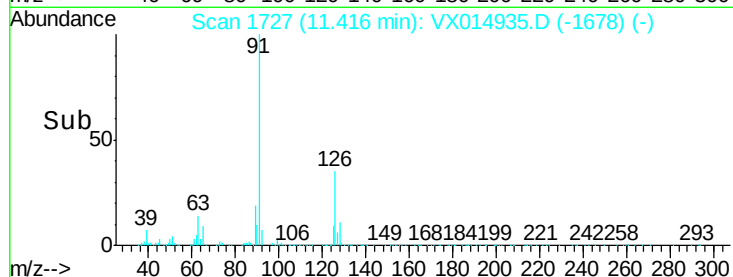
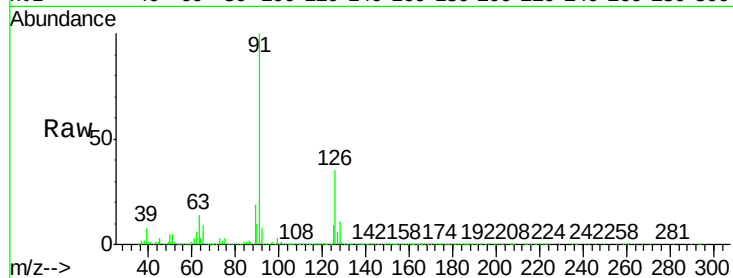
126 35.6 18.0 54.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.555 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX014935.D

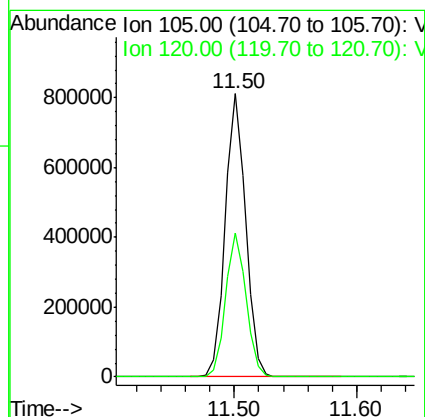
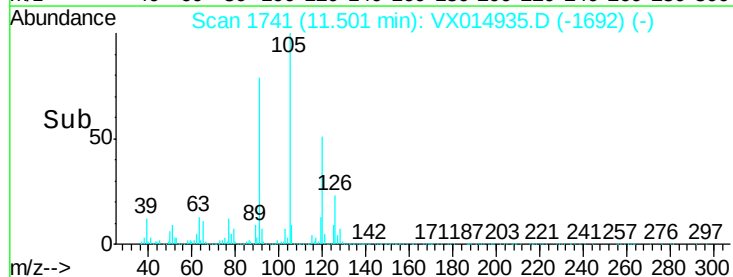
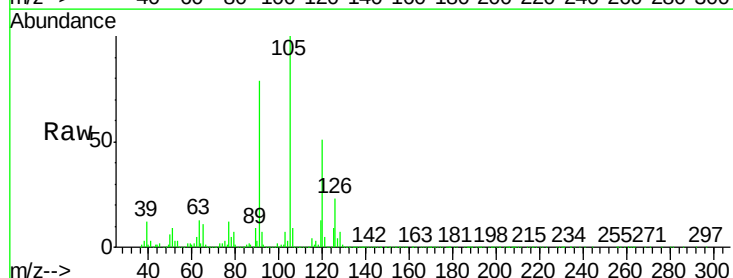
Acq: 12 Feb 2020 18:47

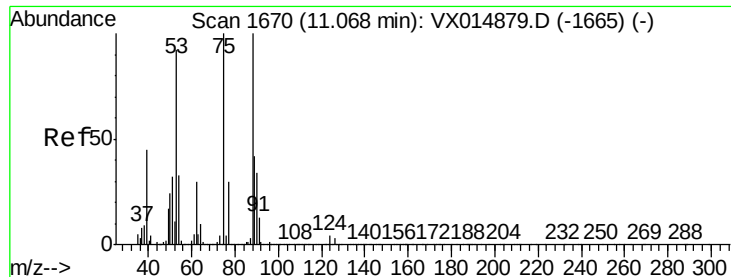
Tgt Ion: 105 Resp: 934863

Ion Ratio Lower Upper

105 100

120 50.8 25.6 76.6





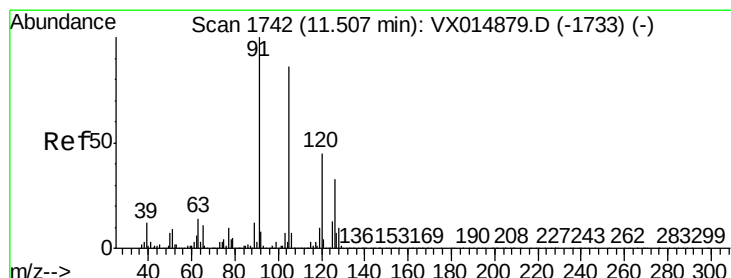
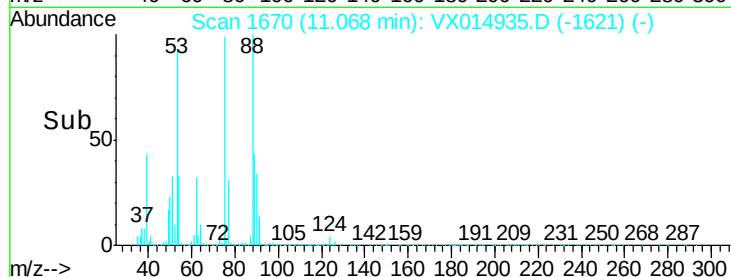
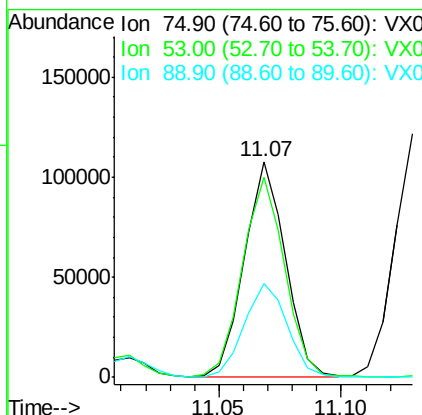
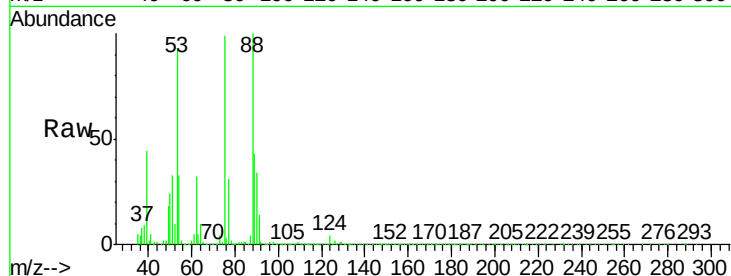
#81
trans-1,4-Dichloro-2-butene
Concen: 50.407 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.0	76.2	114.2
89	46.0	35.8	53.6

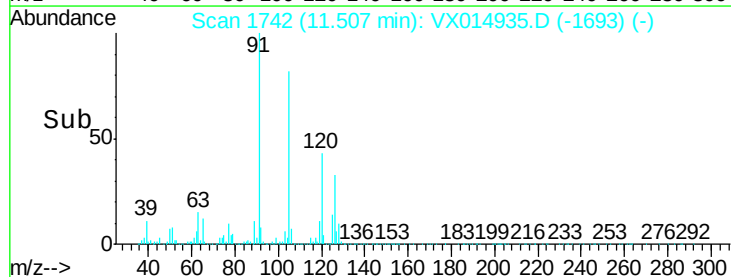
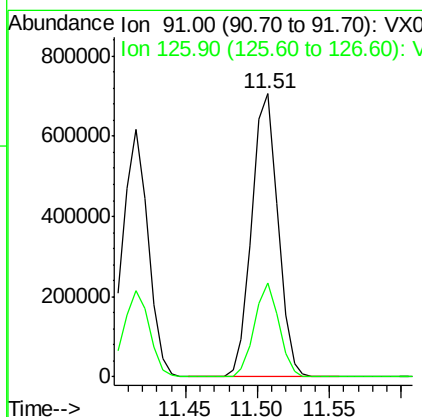
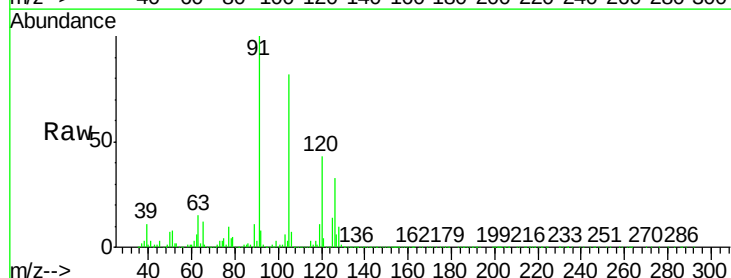
Manual Integrations
APPROVED

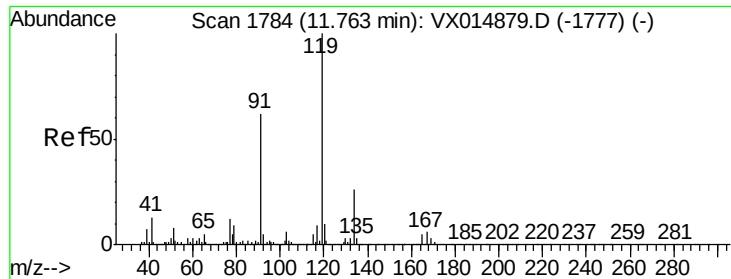
MMDadoda
2/13/2020 11:14:55 AM



#82
4-Chlorotoluene
Concen: 49.445 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.0





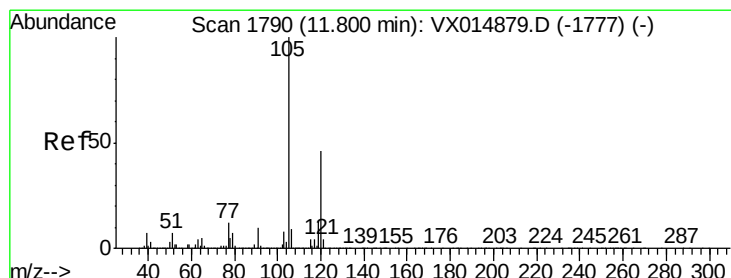
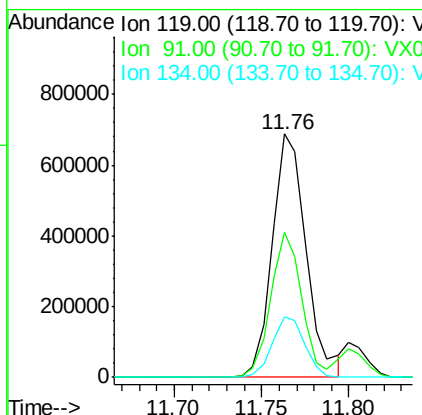
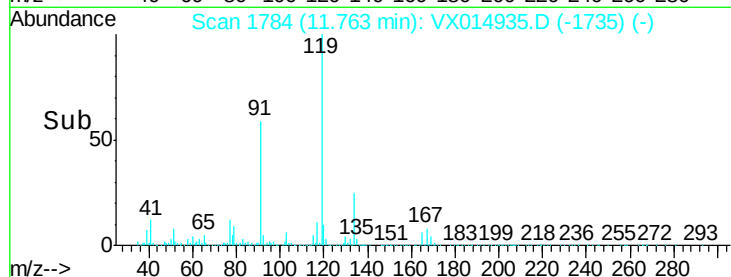
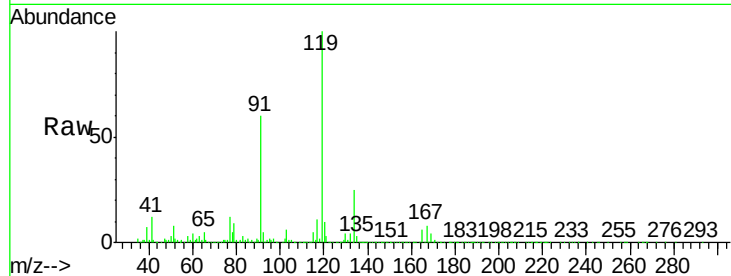
#83
 tert-Butylbenzene
 Concen: 53.271 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX014935.D
 Acq: 12 Feb 2020 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	119	Resp:	932838
Ion Ratio	Lower	Upper	
119	100		
91	54.7	29.5	88.6
134	23.8	12.6	37.6

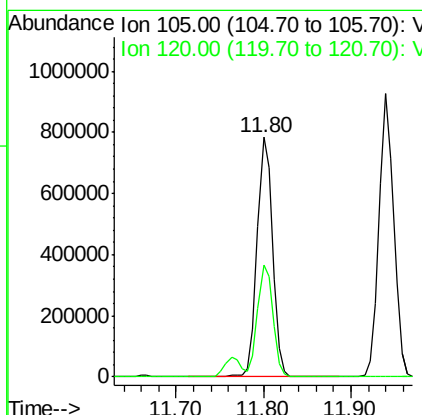
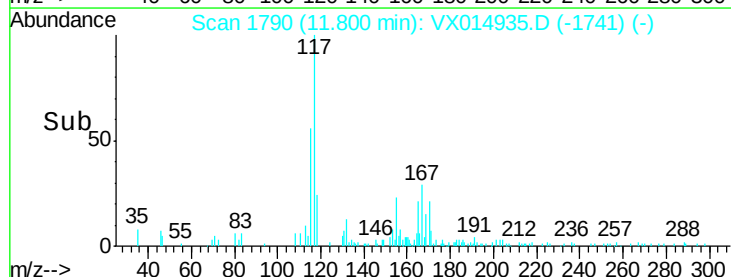
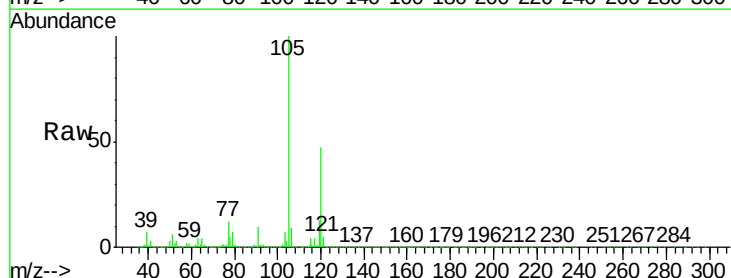
Manual Integrations
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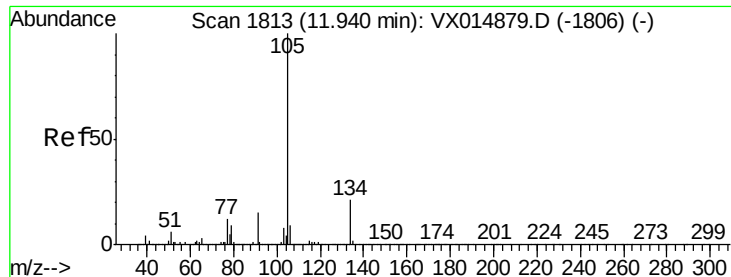
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.978 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX014935.D
 Acq: 12 Feb 2020 18:47

Tgt Ion:	105	Resp:	950019
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.0	69.0





#85

sec-Butylbenzene

Concen: 49.982 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1087293

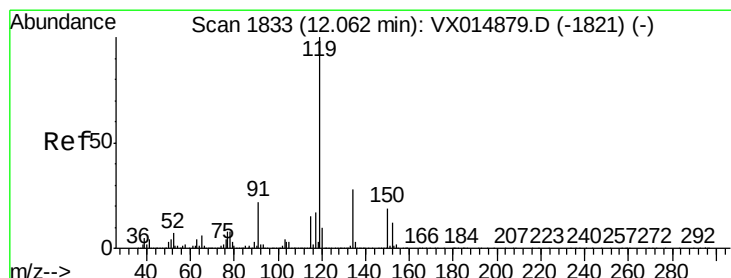
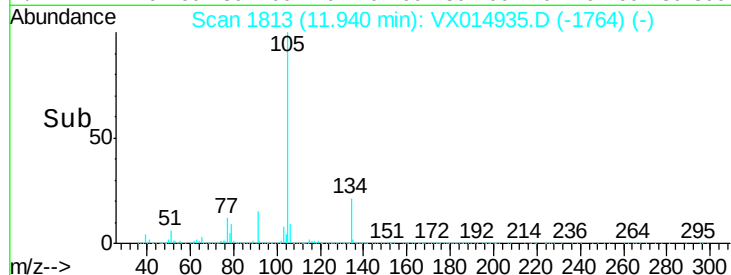
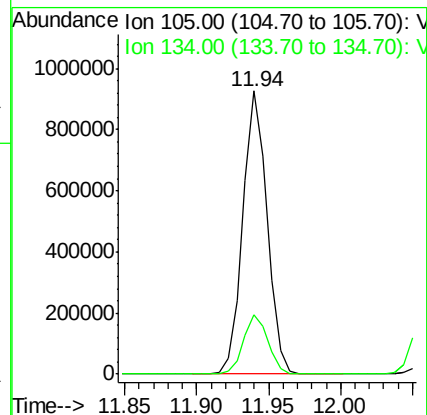
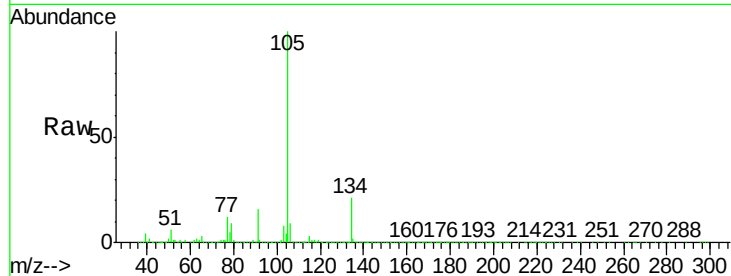
Ion Ratio Lower Upper

105 100

134 21.1 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 49.955 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

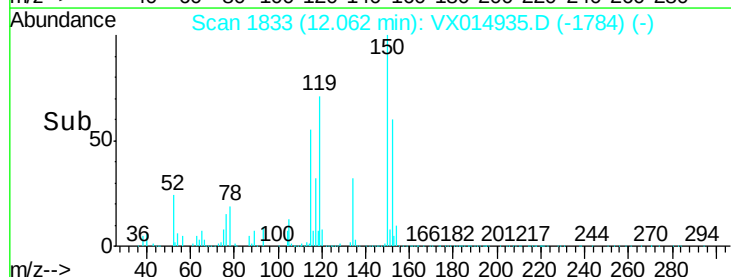
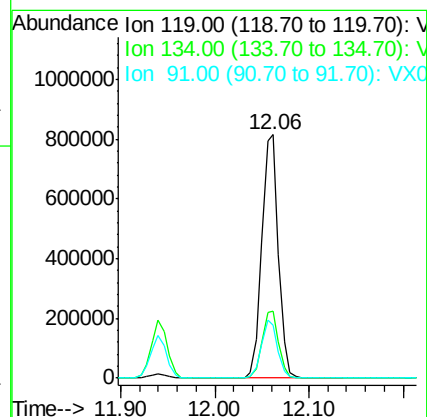
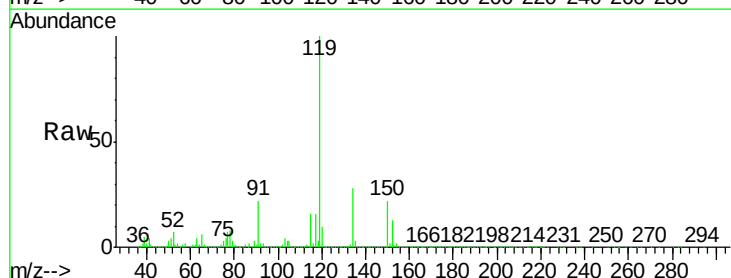
Tgt Ion:119 Resp: 1016933

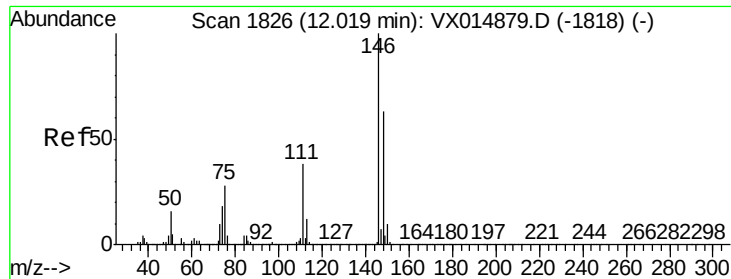
Ion Ratio Lower Upper

119 100

134 27.6 13.5 40.5

91 22.7 11.4 34.1





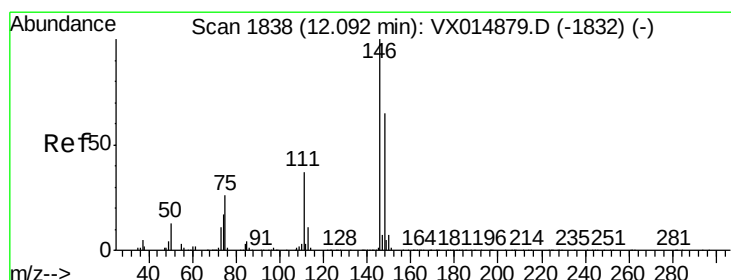
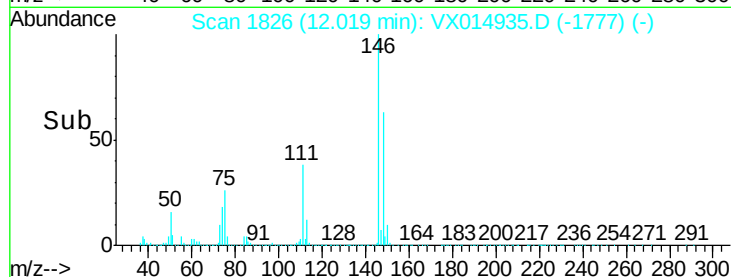
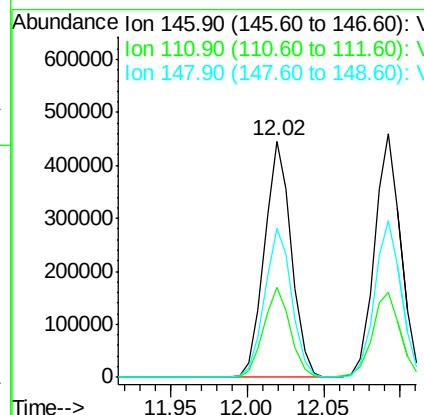
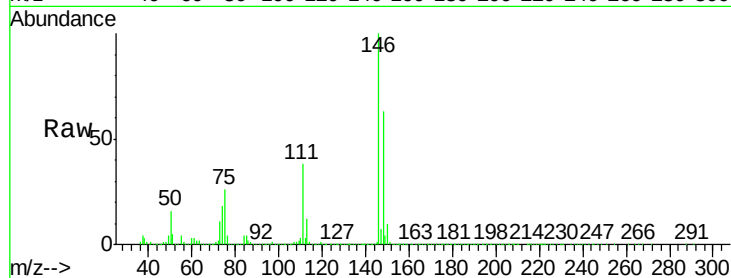
#87
 1,3-Dichlorobenzene
 Concen: 49.399 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX014935.D
 Acq: 12 Feb 2020 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	56.0
148	63.7	31.8	95.4

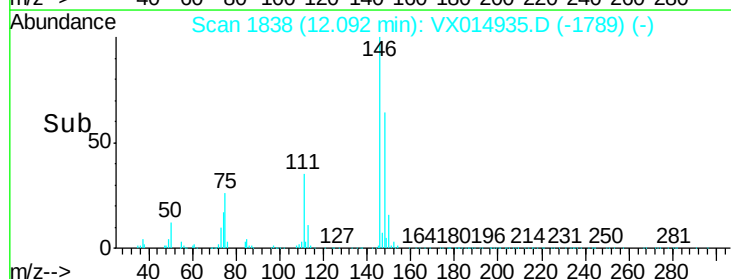
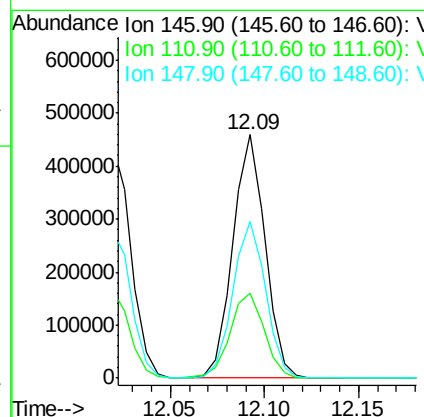
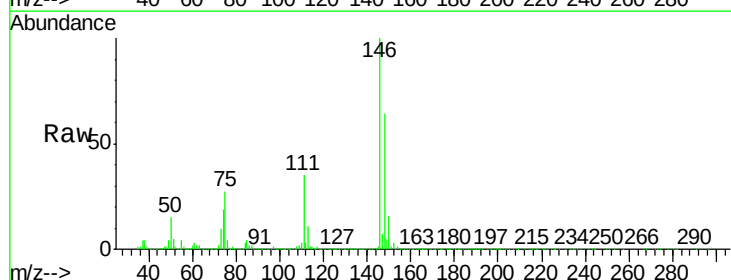
Manual Integrations
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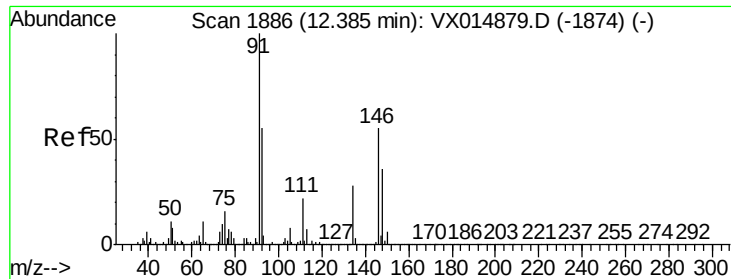
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 48.204 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX014935.D
 Acq: 12 Feb 2020 18:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.6
148	65.3	32.4	97.0





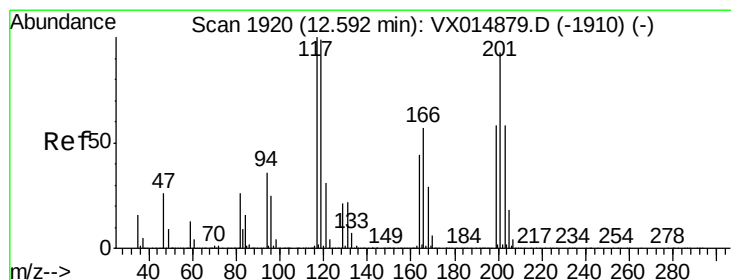
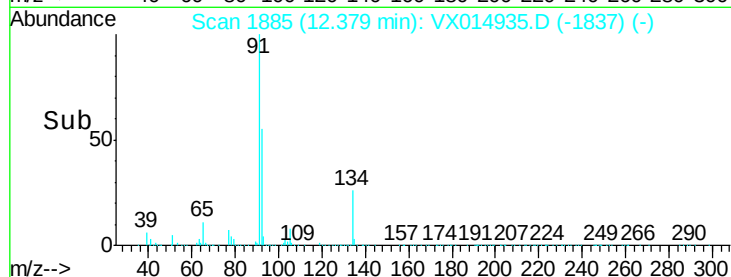
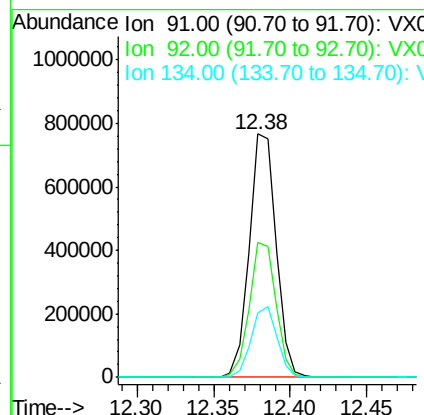
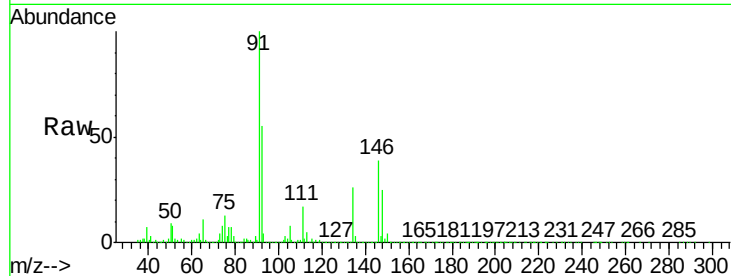
#89
n-Butylbenzene
Concen: 50.994 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	929715		
92	55.1	27.3	81.8	
134	28.0	13.8	41.4	

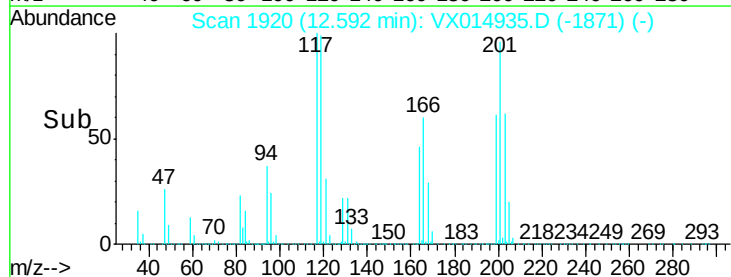
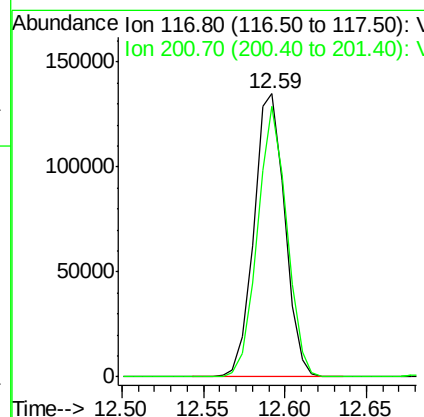
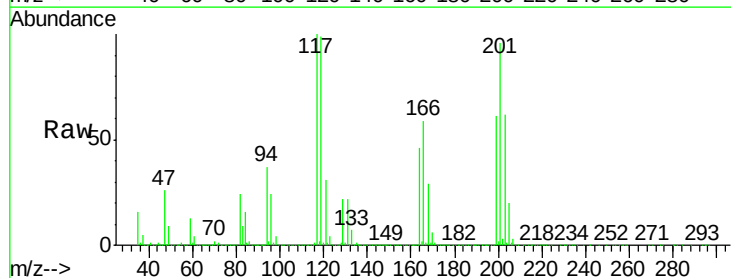
Manual Integrations
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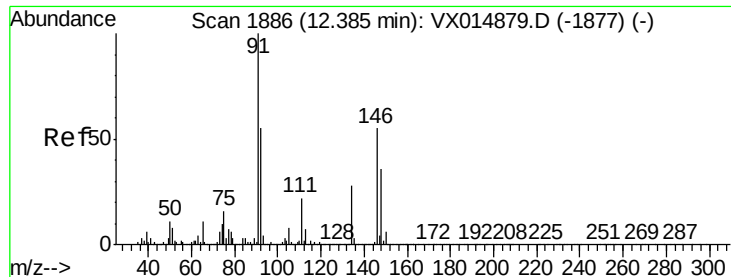
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#90
Hexachloroethane
Concen: 49.803 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	177051		
201	90.6	44.8	134.3	





#91

1,2-Dichlorobenzene

Concen: 48.437 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Instrument :

MSVOA_X

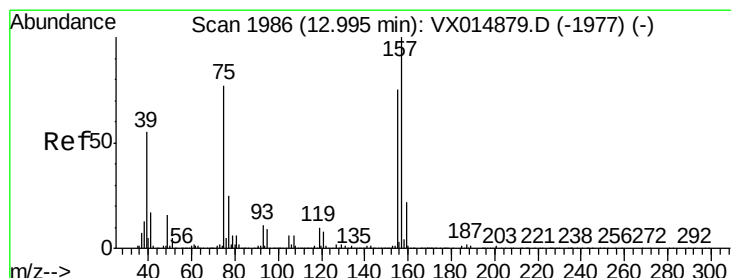
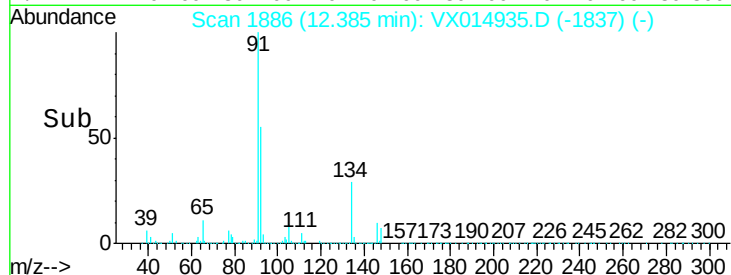
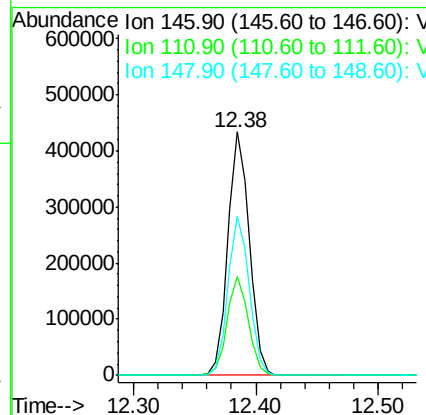
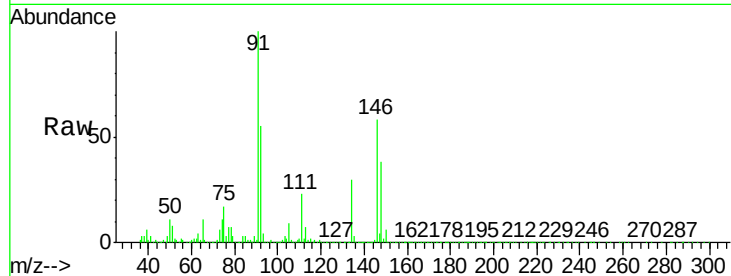
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	526381
Ion Ratio	Lower	Upper	
146	100		
111	39.9	19.8	59.3
148	64.8	32.4	97.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.336 ug/l

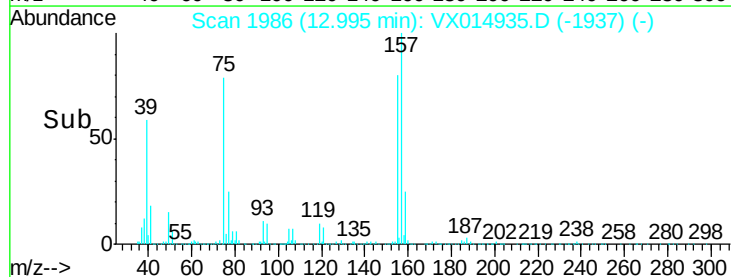
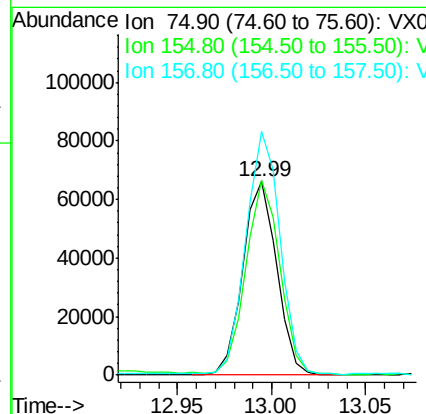
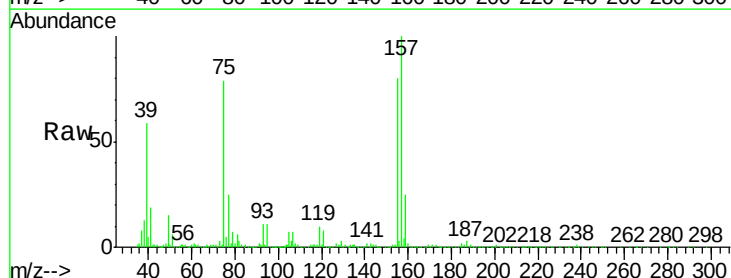
RT: 12.99 min Scan# 1986

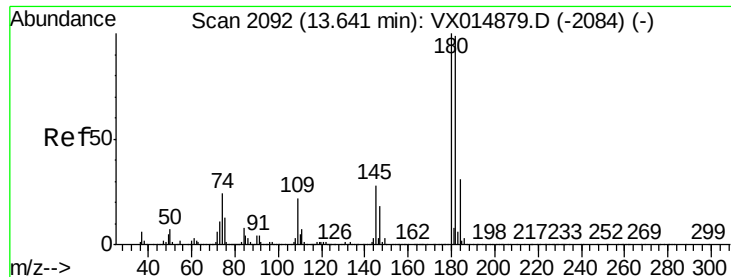
Delta R.T. -0.00 min

Lab File: VX014935.D

Acq: 12 Feb 2020 18:47

Tgt Ion:	75	Resp:	82039
Ion Ratio	Lower	Upper	
75	100		
155	101.0	48.6	145.9
157	126.5	62.0	186.0





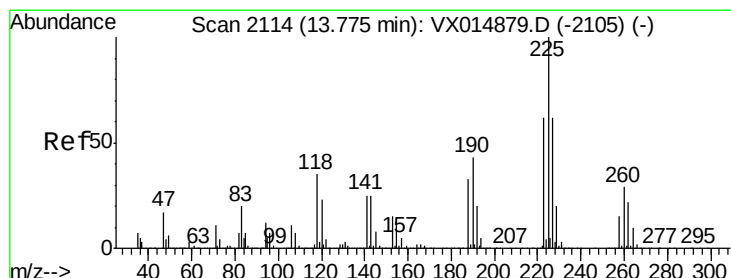
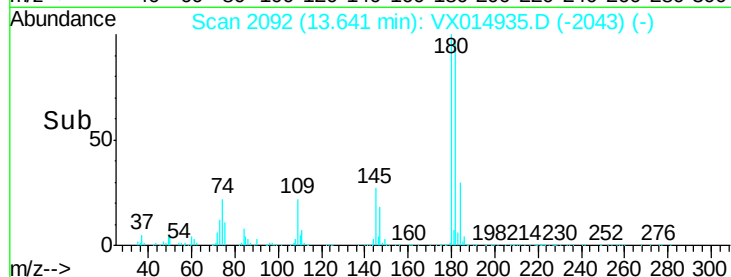
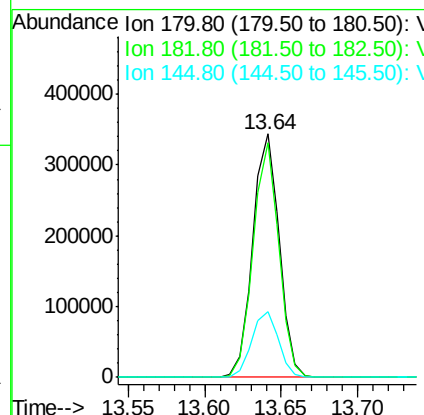
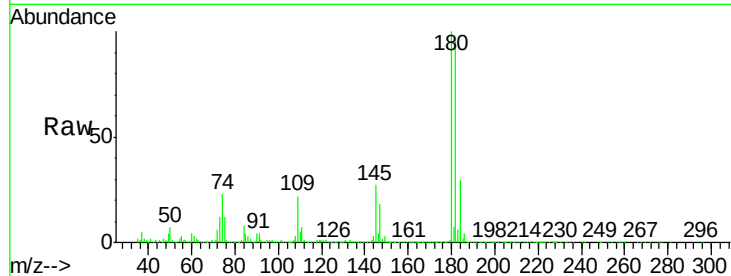
#93
 1,2,4-Trichlorobenzene
 Concen: 51.335 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX014935.D
 Acq: 12 Feb 2020 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	411773		
182	93.8	48.4	145.3	
145	27.6	14.1	42.4	

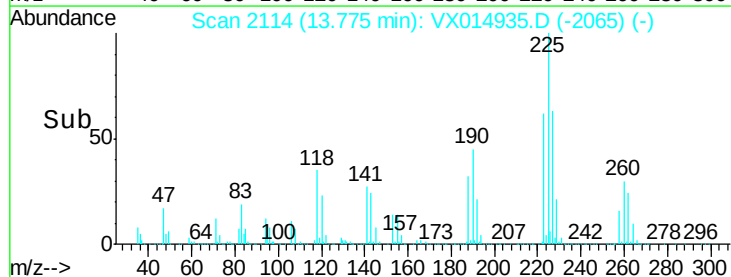
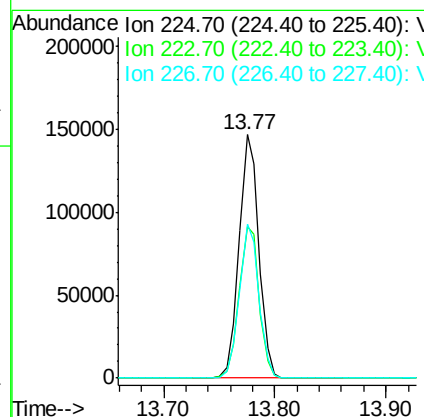
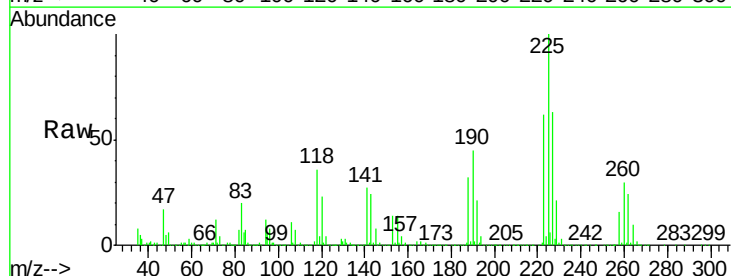
Manual Integrations
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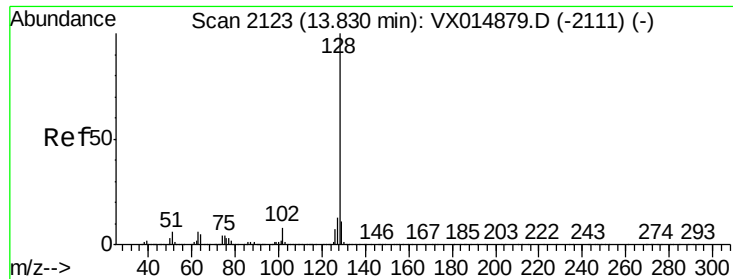
MMDadoda
 2/13/2020 11:14:55 AM



#94
 Hexachlorobutadiene
 Concen: 46.131 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX014935.D
 Acq: 12 Feb 2020 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	178978		
223	63.4	31.1	93.2	
227	62.5	30.9	92.5	





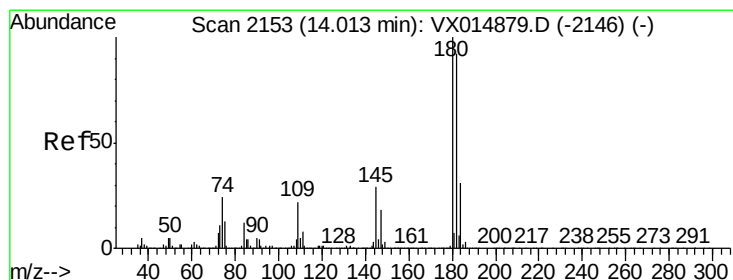
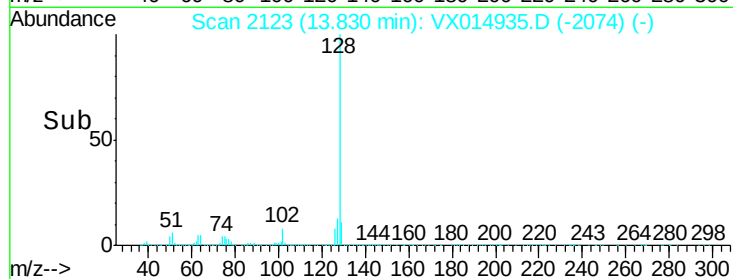
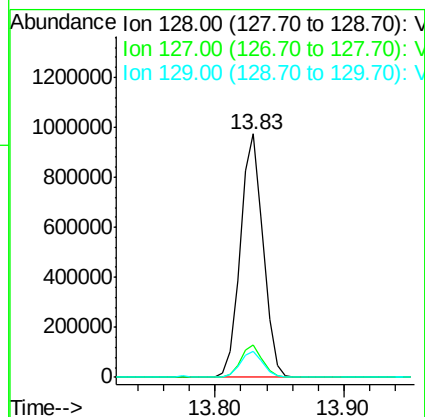
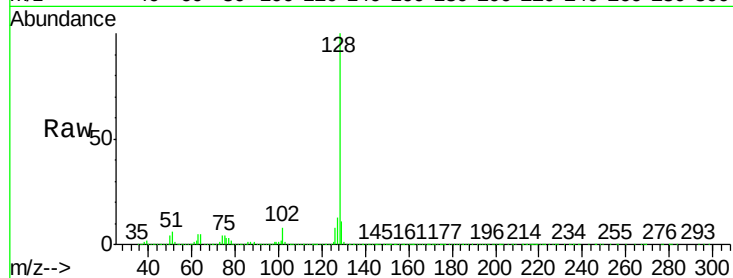
#95
Naphthalene
Concen: 55.632 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/13/2020 11:14:55 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.900 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX014935.D
Acq: 12 Feb 2020 18:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.5	142.6
145	30.2	14.5	43.5

