

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092319\
 Data File : VX012605.D
 Acq On : 23 Sep 2019 15:33
 Operator : JC/SP
 Sample : VX0923WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 10:05:53 AM

Quant Time: Sep 24 02:15:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	183218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	326980	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	290199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	130001	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	136880	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
35) Dibromofluoromethane	5.49	113	100926	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
50) Toluene-d8	8.71	98	381574	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	11.13	95	144036	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	39543	19.185	ug/l	99
3) Chloromethane	1.32	50	46679	19.722	ug/l	99
4) Vinyl Chloride	1.40	62	46414	19.730	ug/l	97
5) Bromomethane	1.63	94	22536	24.365	ug/l	99
6) Chloroethane	1.72	64	29507	18.606	ug/l	96
7) Trichlorofluoromethane	1.92	101	65804	19.923	ug/l	99
8) Diethyl Ether	2.18	74	26021	19.224	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	39750	19.759	ug/l	96
10) Methyl Iodide	2.50	142	32279	18.675	ug/l	96
11) Tert butyl alcohol	3.03	59	66755	100.160	ug/l	99
12) 1,1-Dichloroethene	2.36	96	39515	20.059	ug/l	99
13) Acrolein	2.28	56	33790	97.519	ug/l	95
14) Allyl chloride	2.72	41	79366	20.307	ug/l	98
15) Acrylonitrile	3.13	53	141067	104.327	ug/l	98
16) Acetone	2.44	43	146992	104.014	ug/l	98
17) Carbon Disulfide	2.56	76	104987	19.010	ug/l	99
18) Methyl Acetate	2.76	43	67786	20.371	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	150987	20.250	ug/l	99
20) Methylene Chloride	2.85	84	46573	19.485	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	43122	19.759	ug/l	93
22) Diisopropyl ether	3.84	45	151485	20.059	ug/l	95
23) Vinyl Acetate	3.80	43	679701	102.632	ug/l	99
24) 1,1-Dichloroethane	3.69	63	82910	20.197	ug/l	98
25) 2-Butanone	4.66	43	209446	103.363	ug/l	99
26) 2,2-Dichloropropane	4.58	77	72537	19.868	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	49573	19.577	ug/l	98
28) Bromochloromethane	5.00	49	28849	19.355	ug/l	100
29) Tetrahydrofuran	5.12	42	128202	103.804	ug/l	97
30) Chloroform	5.20	83	83083	19.783	ug/l	99
31) Cyclohexane	5.57	56	74145	19.965	ug/l	93
32) 1,1,1-Trichloroethane	5.48	97	73676	19.794	ug/l	100
36) 1,1-Dichloropropene	5.79	75	60769	19.281	ug/l	98
37) Ethyl Acetate	4.83	43	73827	20.036	ug/l	96
38) Carbon Tetrachloride	5.78	117	61945	19.348	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	72914	19.217	ug/l	99
40) Benzene	6.14	78	182806	19.713	ug/l	97
41) Methacrylonitrile	5.03	41	41133	19.896	ug/l	94
42) 1,2-Dichloroethane	6.18	62	70434	20.001	ug/l	99
43) Isopropyl Acetate	6.43	43	119876	19.454	ug/l	98
44) Trichloroethene	7.21	130	46215	19.494	ug/l	89
45) 1,2-Dichloropropane	7.51	63	46949	19.775	ug/l	100
46) Dibromomethane	7.65	93	32186	19.911	ug/l	93
47) Bromodichloromethane	7.89	83	62294	19.282	ug/l	100
48) Methyl methacrylate	7.76	41	59409	20.107	ug/l	96
49) 1,4-Dioxane	7.73	88	27777	414.480	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	385183	101.266	ug/l	97
52) Toluene	8.78	92	114984	19.728	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	70385	19.691	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	77468	19.849	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	45614	19.685	ug/l	98
56) Ethyl methacrylate	9.17	69	75522	19.400	ug/l	98
57) 1,3-Dichloropropane	9.37	76	80901	19.949	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	187644	107.384	ug/l	99
59) 2-Hexanone	9.49	43	301801	103.659	ug/l	96
60) Dibromochloromethane	9.58	129	44961	19.168	ug/l	97
61) 1,2-Dibromoethane	9.67	107	48749	20.215	ug/l	100
64) Tetrachloroethene	9.33	164	39708	19.625	ug/l	96
65) Chlorobenzene	10.14	112	119101	19.490	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	43466	19.631	ug/l	97
67) Ethyl Benzene	10.24	91	220061	19.854	ug/l	98
68) m/p-Xylenes	10.35	106	163582	39.399	ug/l	99
69) o-Xylene	10.70	106	78570	19.557	ug/l	98
70) Styrene	10.71	104	133372	19.803	ug/l	99
71) Bromoform	10.85	173	29083	18.864	ug/l #	98
73) Isopropylbenzene	11.01	105	212412	20.061	ug/l	100
74) N-amyl acetate	10.89	43	102169	20.226	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	70434	20.086	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	70110m	20.388	ug/l	
77) Bromobenzene	11.25	156	47406	19.782	ug/l	96
78) n-propylbenzene	11.35	91	236058	19.803	ug/l	99
79) 2-Chlorotoluene	11.42	91	146887	19.753	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	178234	20.074	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	22007	18.340	ug/l	92
82) 4-Chlorotoluene	11.51	91	166049	19.588	ug/l	100
83) tert-Butylbenzene	11.77	119	170310	19.884	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	179285	20.016	ug/l	99
85) sec-Butylbenzene	11.95	105	196951	19.770	ug/l	99
86) p-Isopropyltoluene	12.06	119	181247	20.163	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	83380	19.334	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	85205	19.552	ug/l	98
89) n-Butylbenzene	12.38	91	152598	19.265	ug/l	100
90) Hexachloroethane	12.59	117	29919	18.670	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	86705	20.082	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	18081	20.613	ug/l	96

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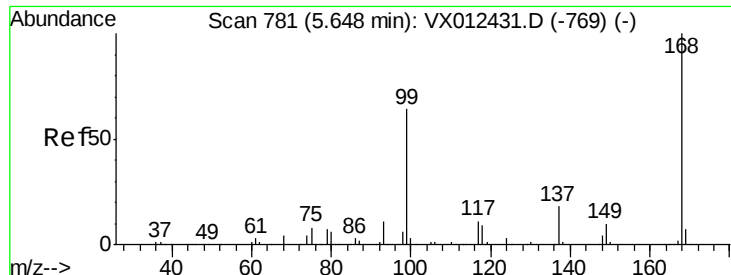
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	50581	19.210	ug/l	99
94) Hexachlorobutadiene	13.78	225	21125	18.649	ug/l	94
95) Naphthalene	13.83	128	197307	20.711	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	51507	19.528	ug/l	100

(#) = 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. 0.01 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS02

Tot Ion:168 Resp: 183218

Ion Ratio Lower Upper

168 100

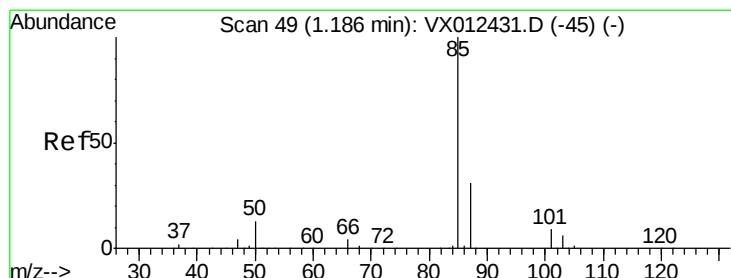
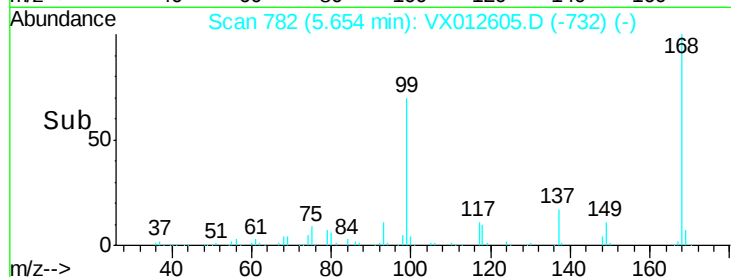
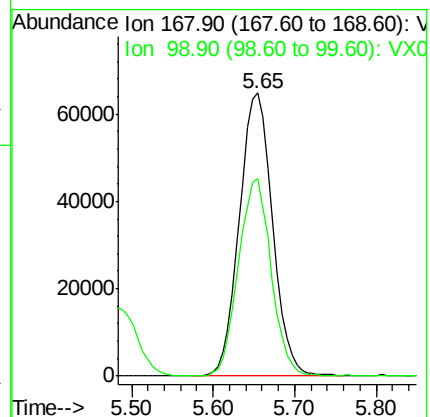
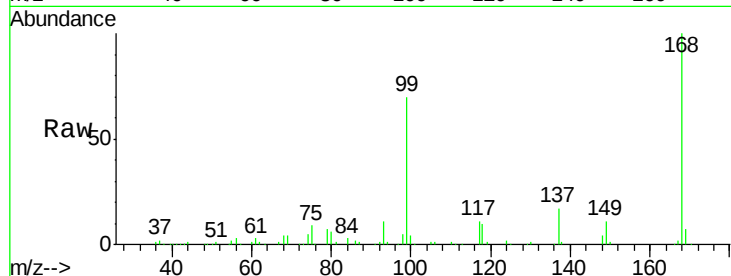
99 69.5 51.4 77.2

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9/24/2019 10:05:53 AM



#2

Dichlorodifluoromethane

Concen: 19.185 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX012605.D

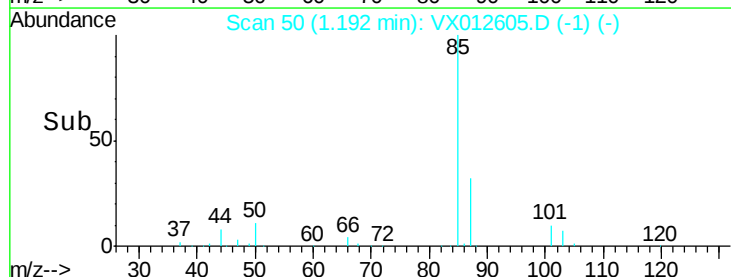
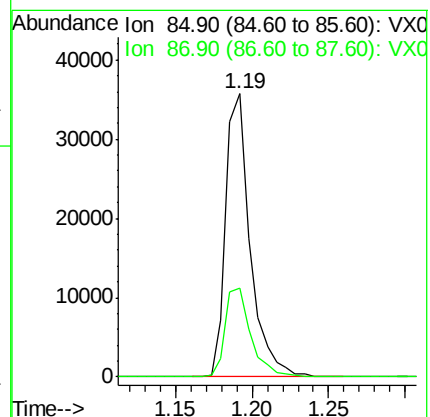
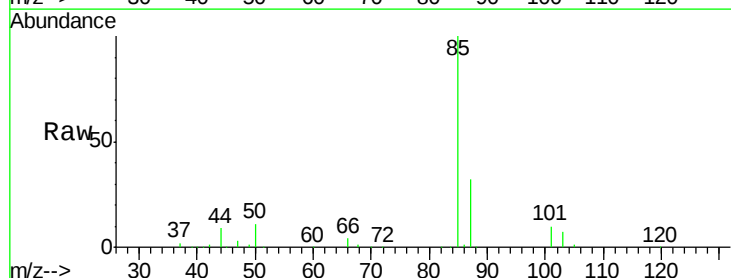
Acq: 23 Sep 2019 15:33

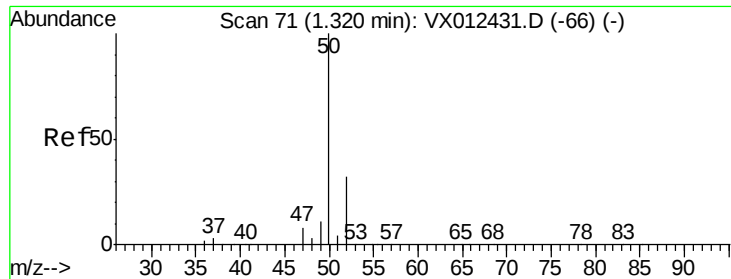
Tgt Ion: 85 Resp: 39543

Ion Ratio Lower Upper

85 100

87 31.5 15.6 46.8





#3

Chloromethane

Concen: 19.722 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Instrument :

MSVOA_X

ClientSampled :

VX0923WBS02

Tot Ion: 50 Resp: 46679

Ion Ratio Lower Upper

50 100

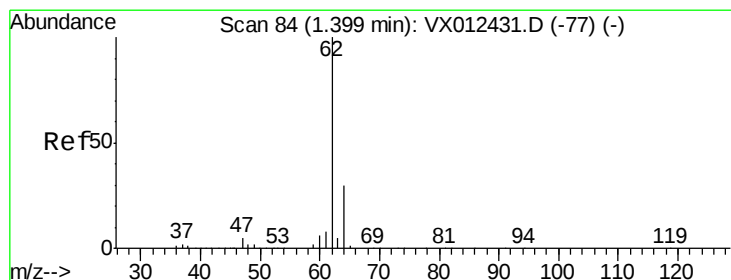
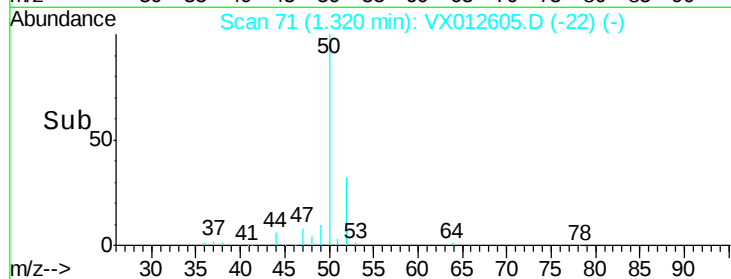
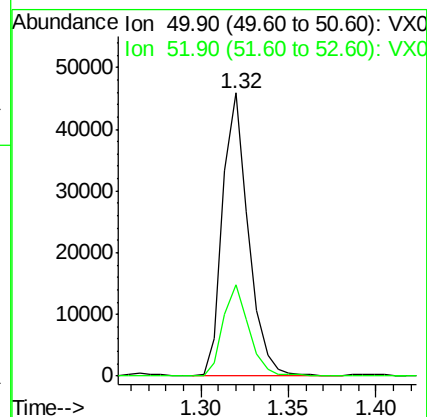
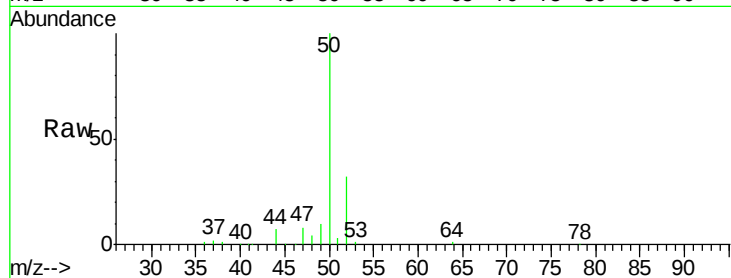
52 32.4 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.730 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012605.D

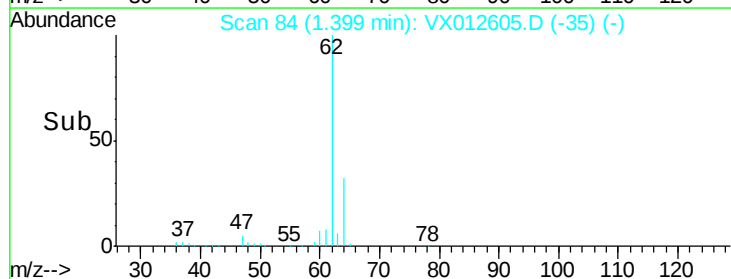
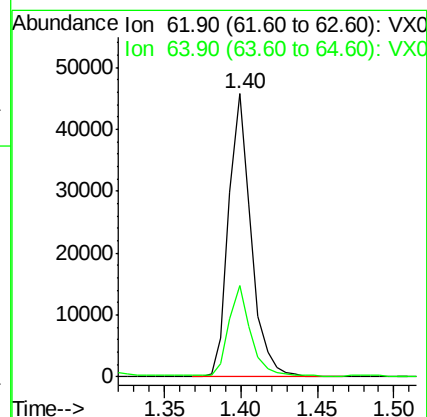
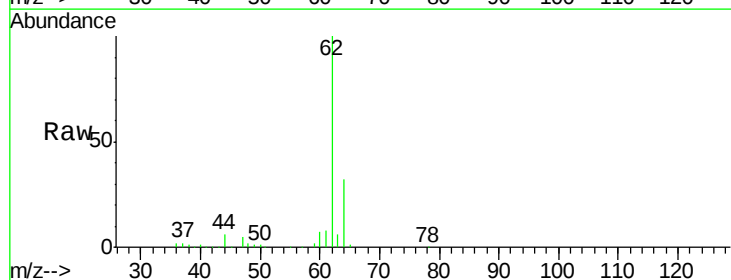
Acq: 23 Sep 2019 15:33

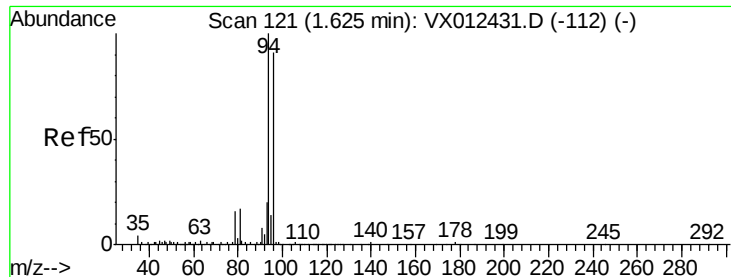
Tgt Ion: 62 Resp: 46414

Ion Ratio Lower Upper

62 100

64 31.8 24.2 36.2





#5

Bromomethane

Concen: 24.365 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS02

Tot Ion: 94 Resp: 22536

Ion Ratio Lower Upper

94 100

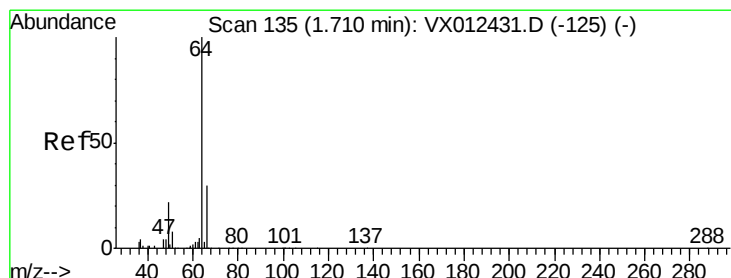
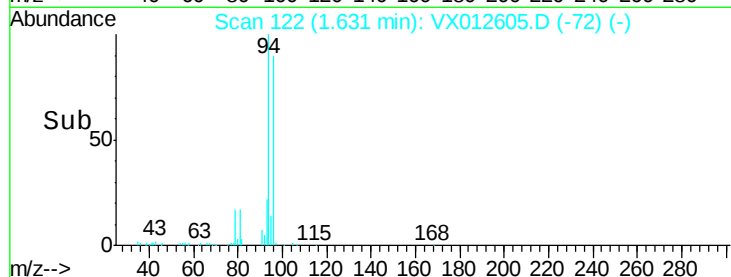
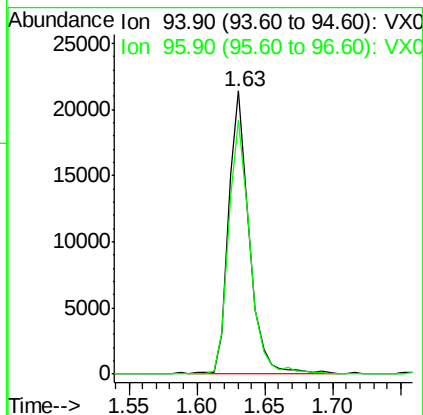
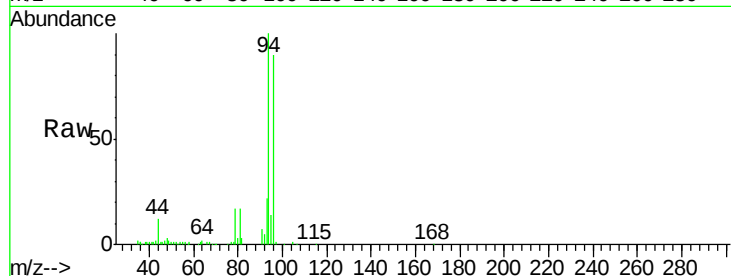
96 89.7 72.8 109.2

Manual Integrations

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#6

Chloroethane

Concen: 18.606 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012605.D

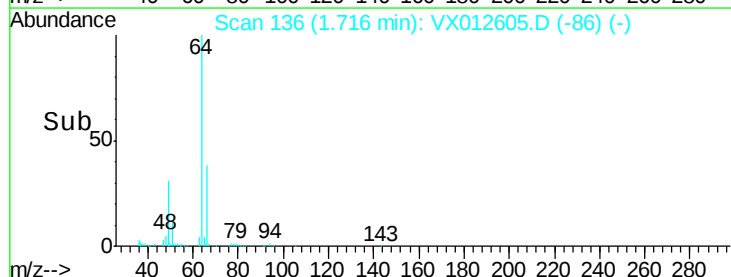
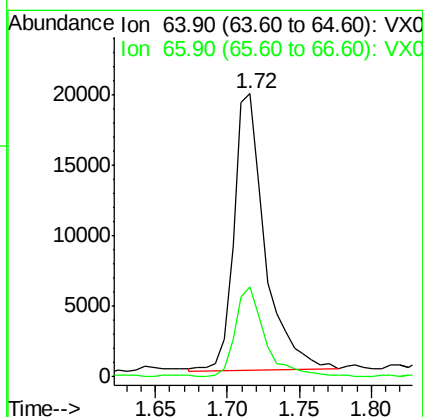
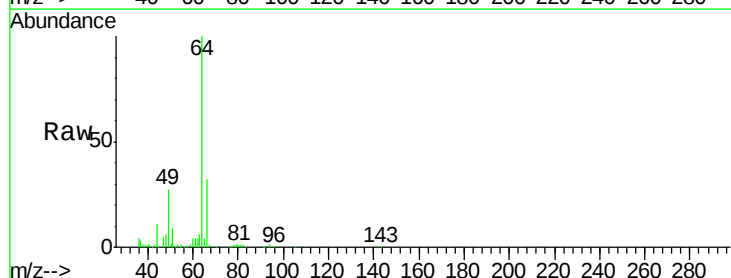
Acq: 23 Sep 2019 15:33

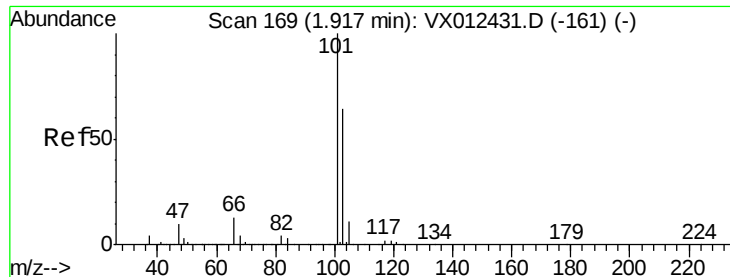
Tgt Ion: 64 Resp: 29507

Ion Ratio Lower Upper

64 100

66 32.1 24.0 36.0





#7

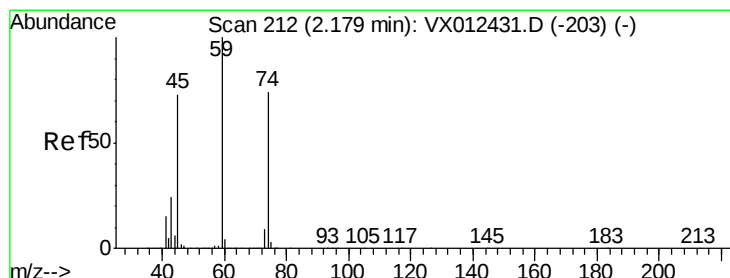
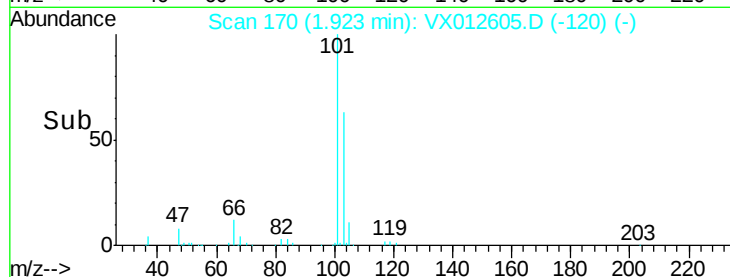
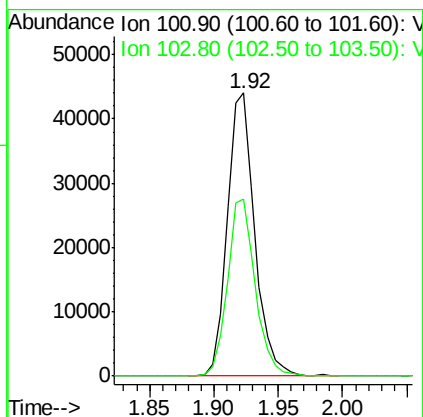
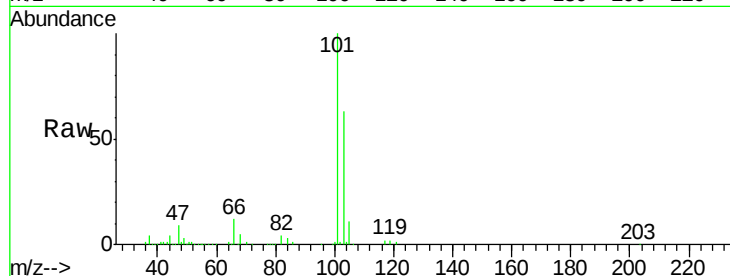
Trichlorofluoromethane
 Concen: 19.923 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX012605.D
 Acq: 23 Sep 2019 15:33

Instrument :
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 ClientSampleId :
 VX0923WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.0	76.4

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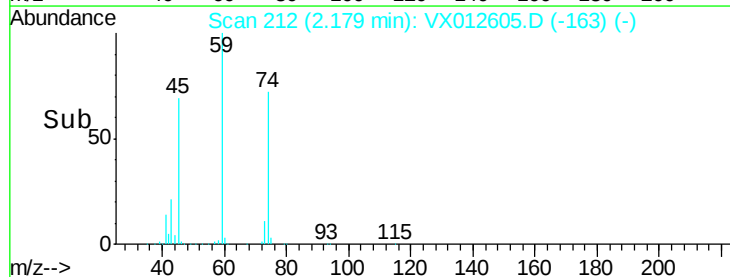
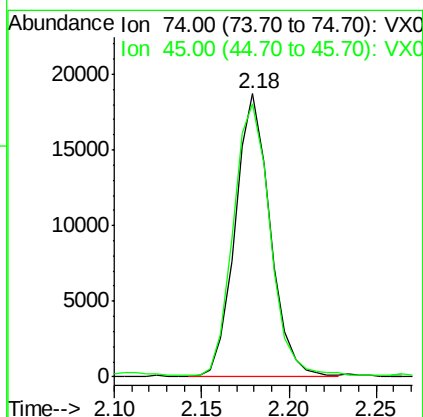
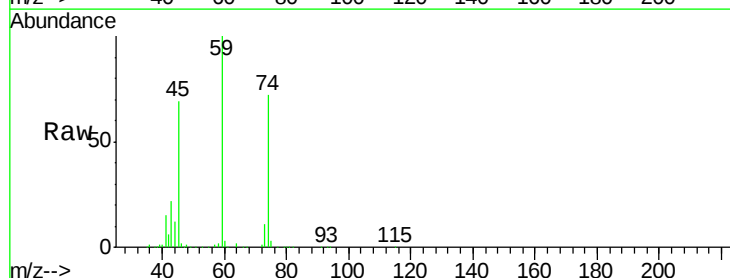
MMDadoda
 9/24/2019 10:05:53 AM

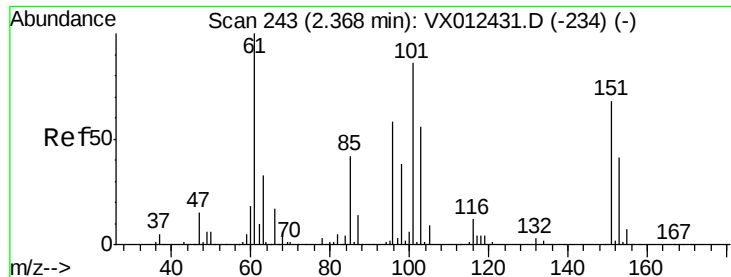


#8

Diethyl Ether
 Concen: 19.224 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX012605.D
 Acq: 23 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.6	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.759 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Instrument :

MSVOA_X

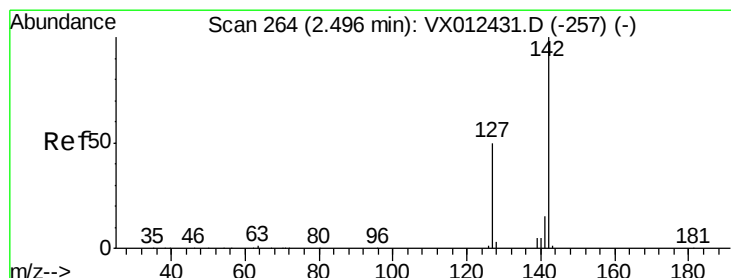
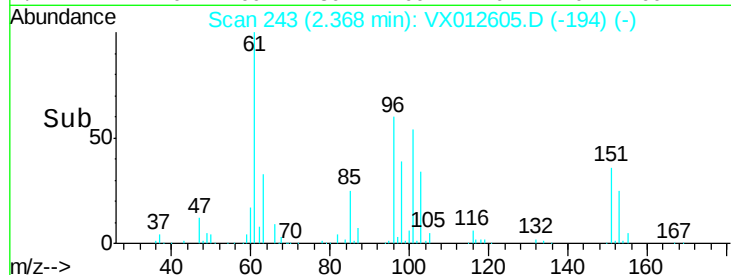
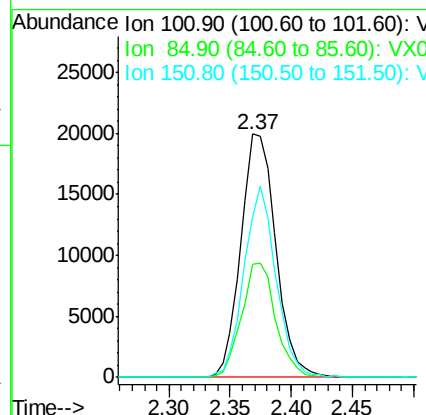
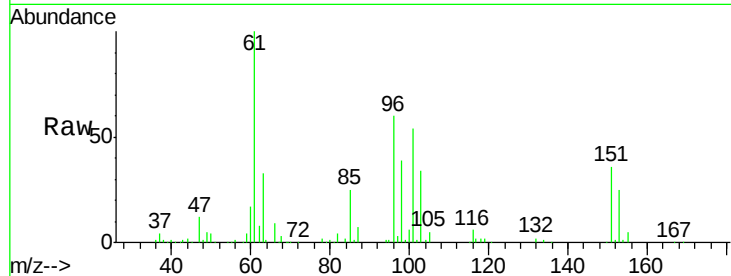
ClientSampleId :

VX0923WBS02

Tot Ion:	101	Resp:	39750
Ion Ratio	Lower	Upper	
101	100		
85	45.9	37.3	55.9
151	71.6	61.0	91.4

Manual Integrations
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#10

Methyl Iodide

Concen: 18.675 ug/l

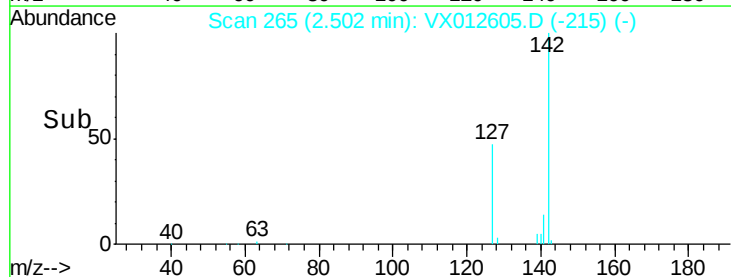
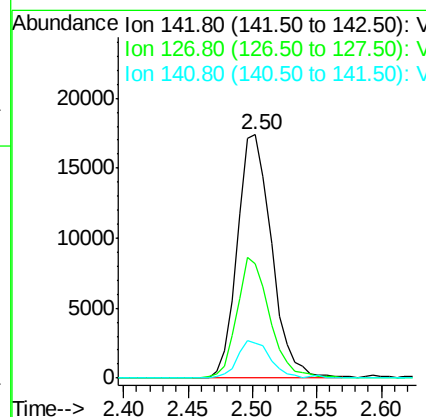
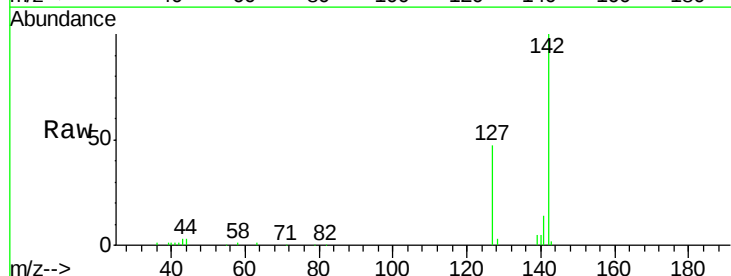
RT: 2.50 min Scan# 265

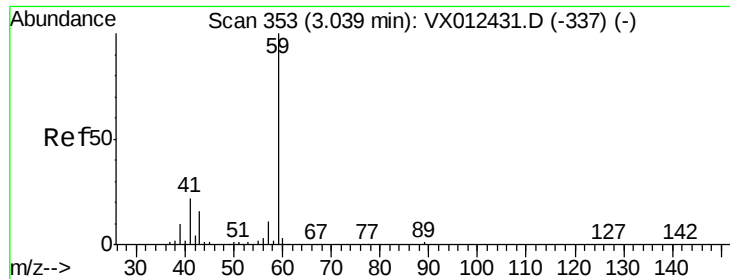
Delta R.T. 0.01 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Tgt Ion:	142	Resp:	32279
Ion Ratio	Lower	Upper	
142	100		
127	47.7	40.8	61.2
141	14.5	12.1	18.1





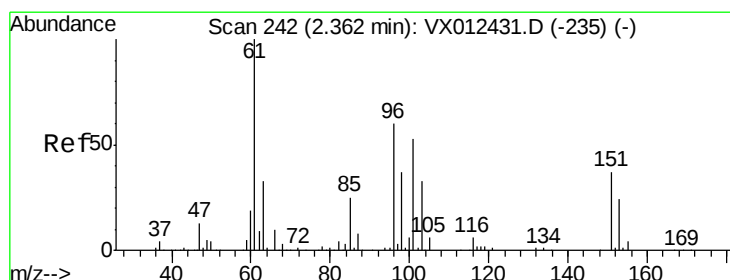
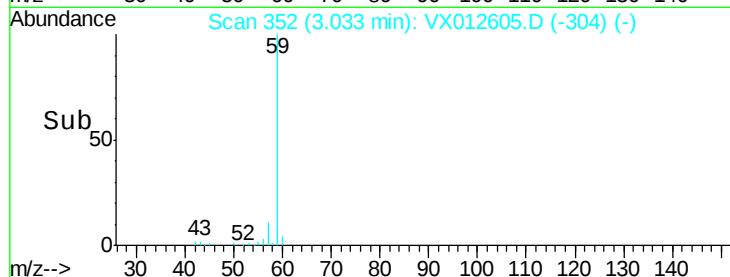
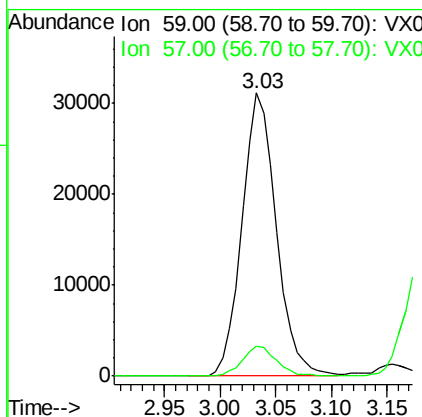
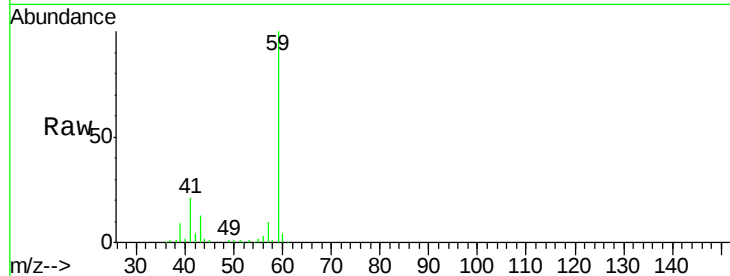
#11
Tert butyl alcohol
Concen: 100.160 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS02

Tot Ion	59	Resp	66755
Ion Ratio	100	Lower	Upper
57	10.7	8.3	12.5

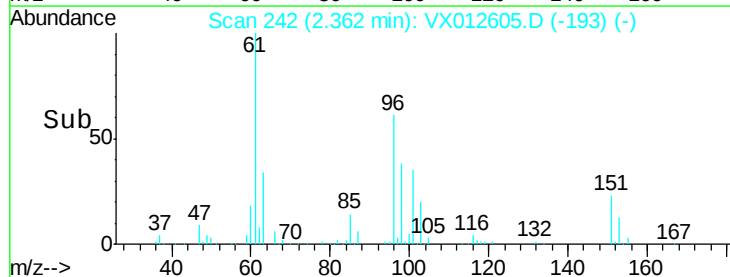
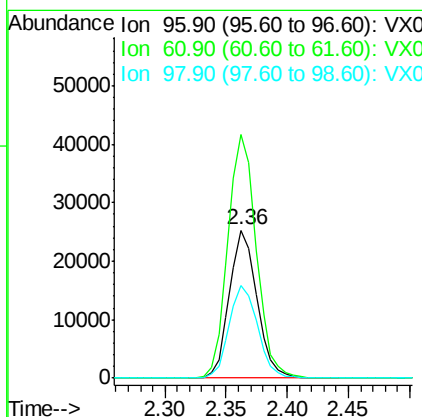
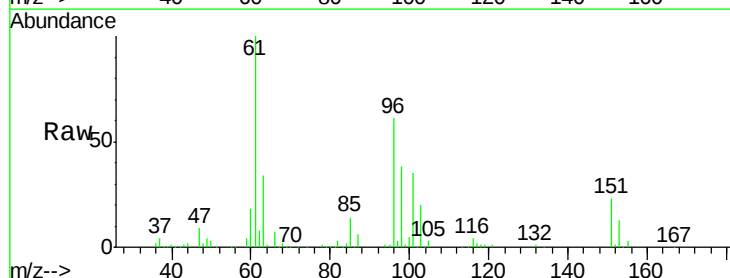
Manual Integrations
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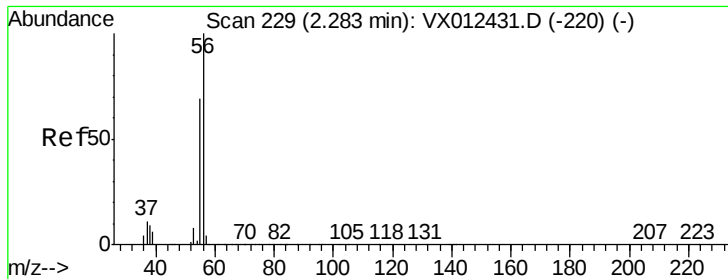
MMDadoda
9/24/2019 10:05:53 AM



#12
1,1-Dichloroethene
Concen: 20.059 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Tgt Ion	96	Resp	39515
Ion Ratio	100	Lower	Upper
61	164.6	133.8	200.6
98	62.5	49.9	74.9





#13

Acrolein

Concen: 97.519 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS02

Tot Ion: 56 Resp: 33790

Ion Ratio Lower Upper

56 100

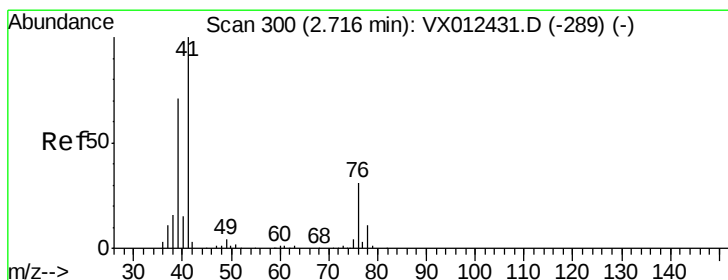
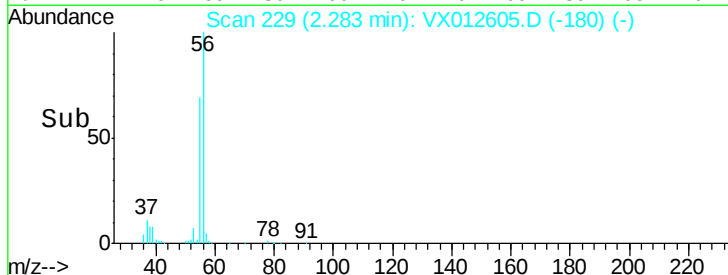
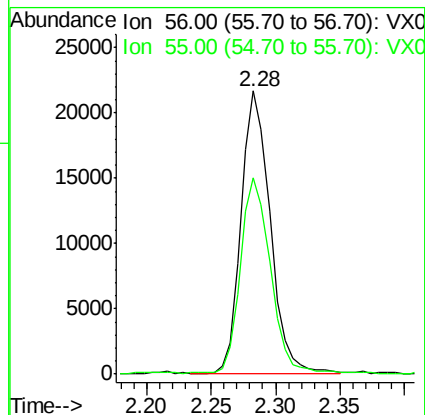
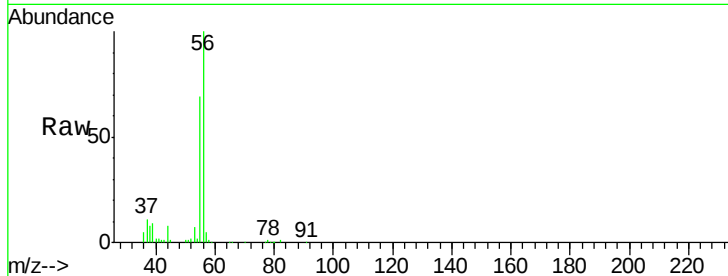
55 73.7 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 20.307 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

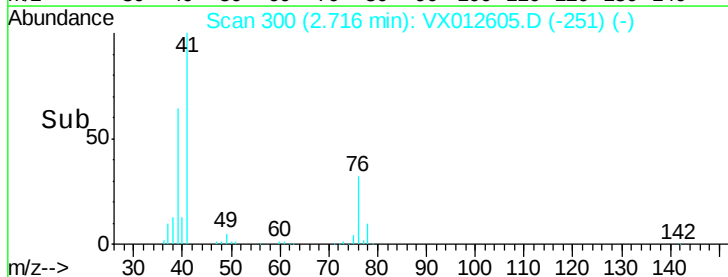
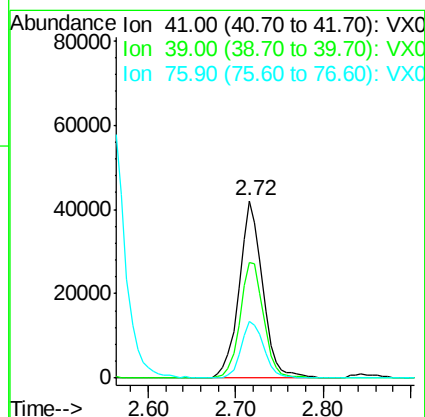
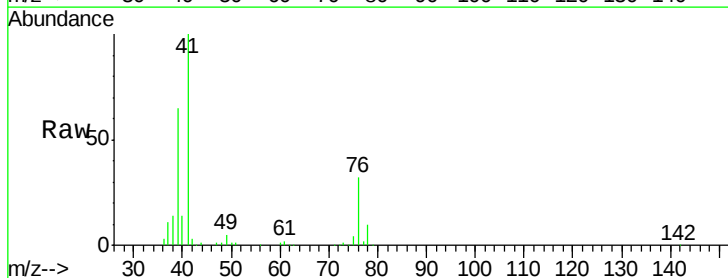
Tgt Ion: 41 Resp: 79366

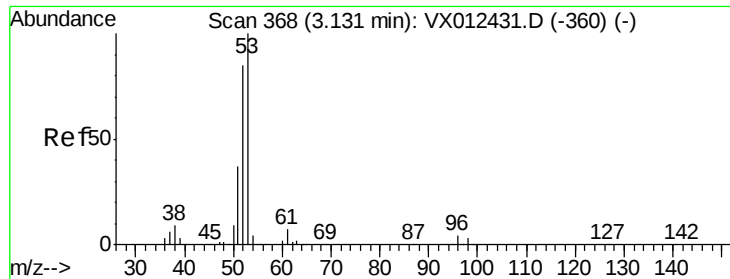
Ion Ratio Lower Upper

41 100

39 65.1 51.3 76.9

76 30.8 22.6 33.8





#15

Acrylonitrile

Concen: 104.327 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Instrument :

MSVOA_X

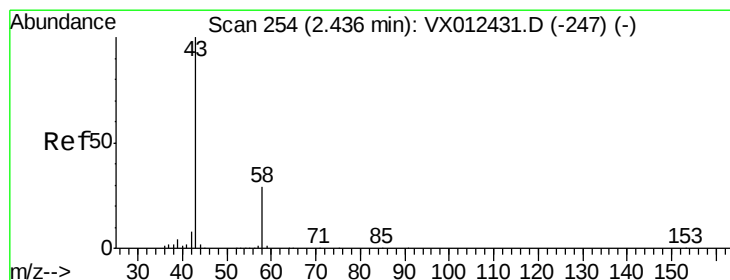
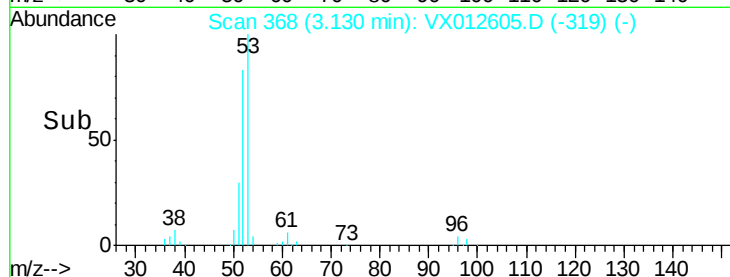
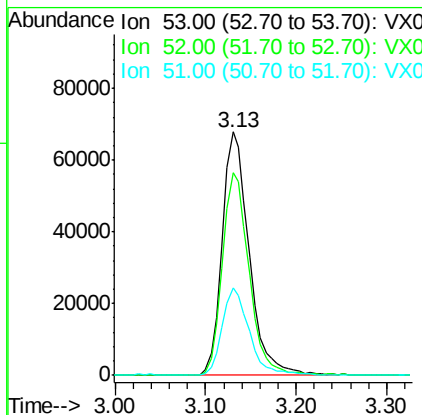
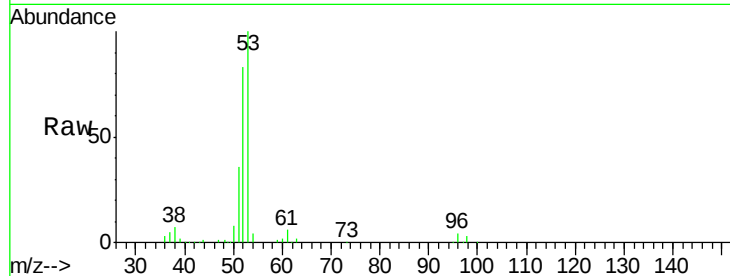
ClientSampleId :

VX0923WBS02

Tot Ion:	53	Resp:	141067
Ion Ratio		Lower	Upper
53	100		
52	81.9	67.0	100.4
51	36.2	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 104.014 ug/l

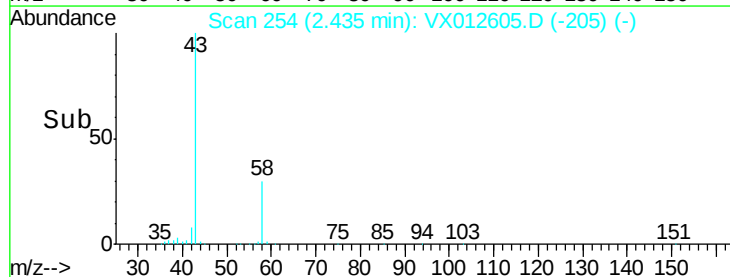
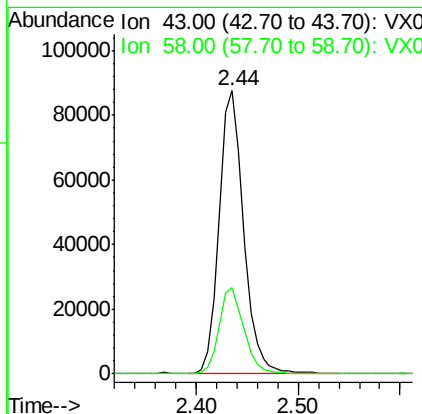
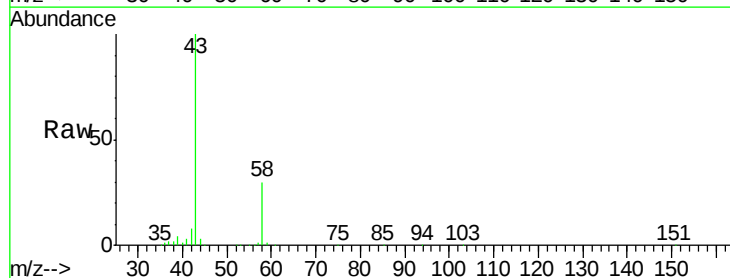
RT: 2.44 min Scan# 254

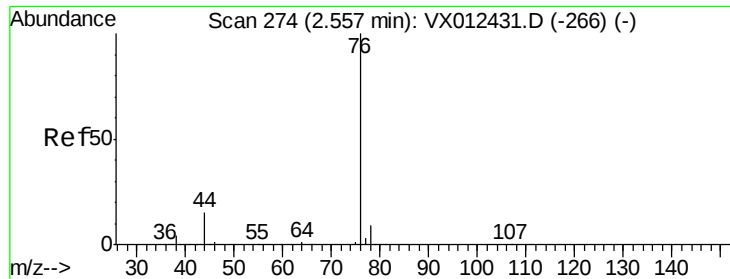
Delta R.T. 0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Tgt Ion:	43	Resp:	146992
Ion Ratio		Lower	Upper
43	100		
58	30.4	23.3	34.9





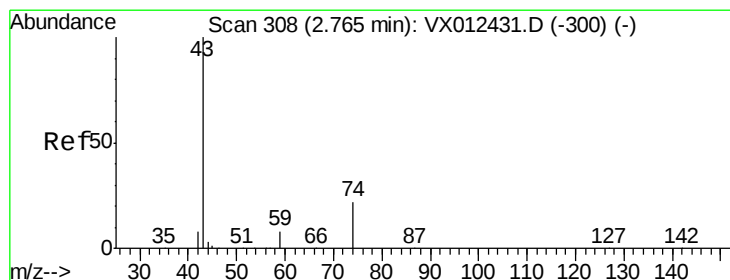
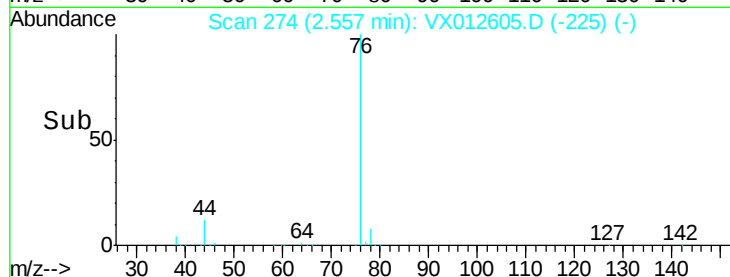
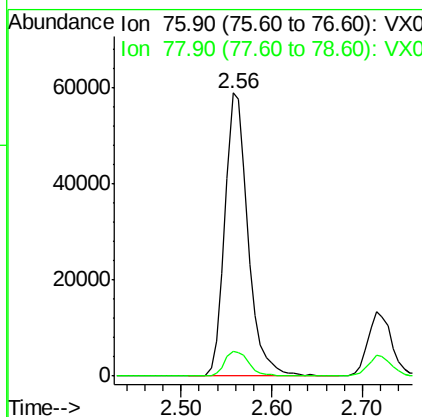
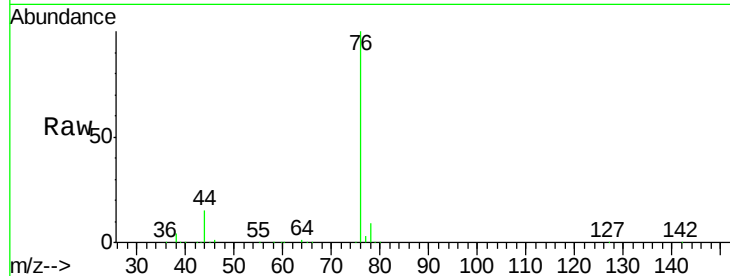
#17
Carbon Disulfide
Concen: 19.010 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

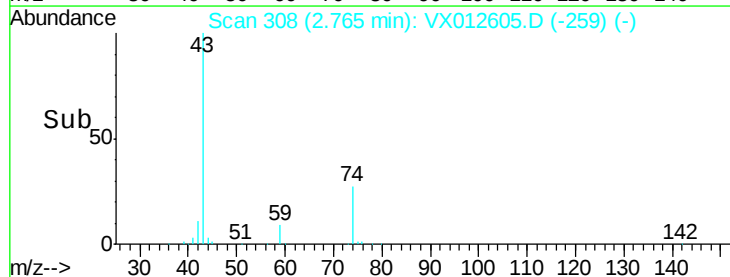
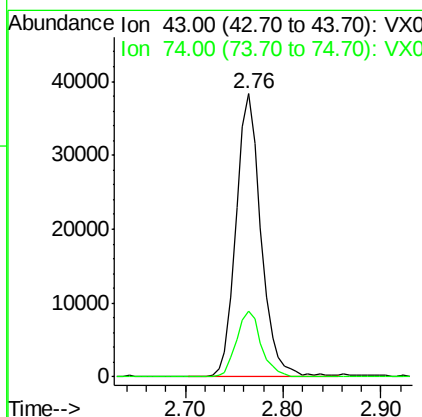
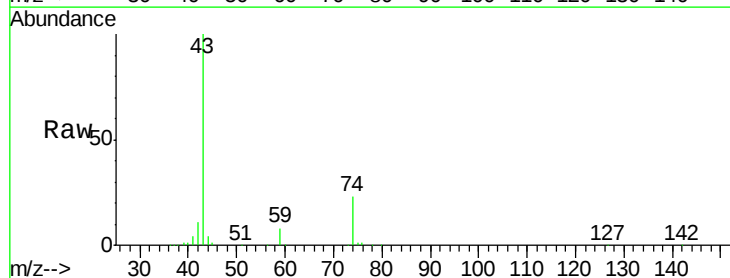
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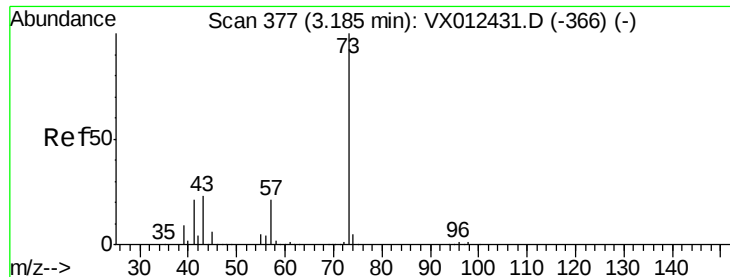
MMDadoda
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#18
Methyl Acetate
Concen: 20.371 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.7	26.5





#19

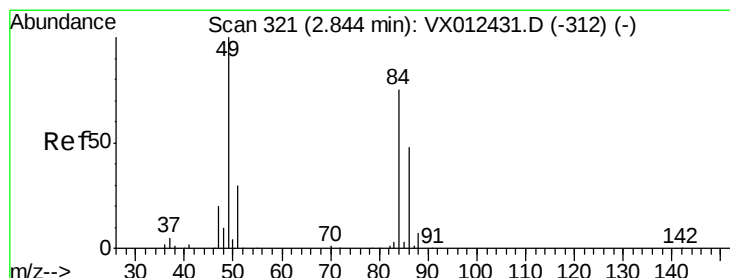
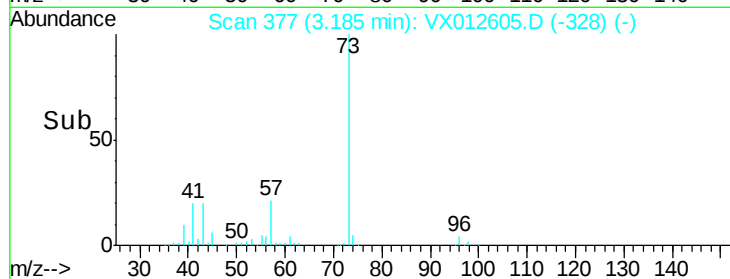
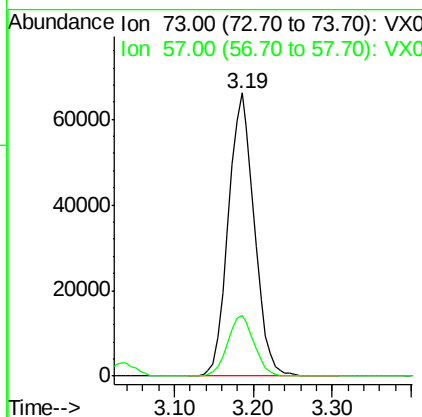
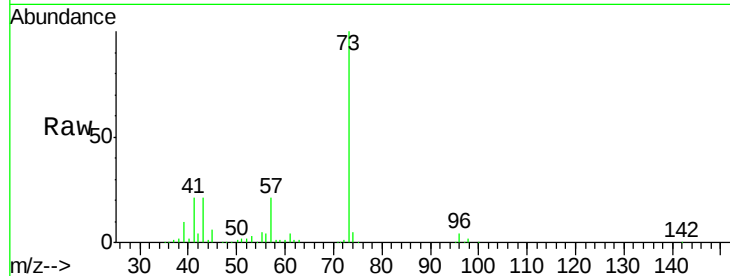
Methyl tert-butyl Ether
 Concen: 20.250 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX012605.D
 Acq: 23 Sep 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBS02

Tot Ion	73	Resp	150987
Ion Ratio	Lower	Upper	
73	100		
57	21.3	16.8	25.2

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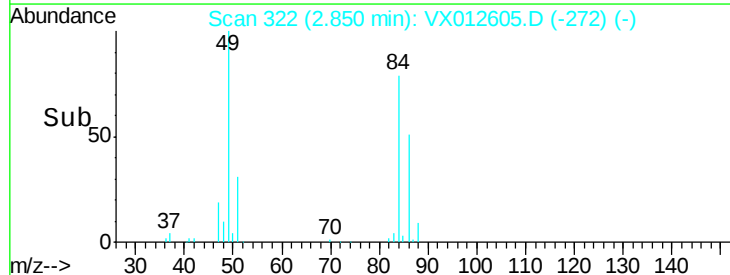
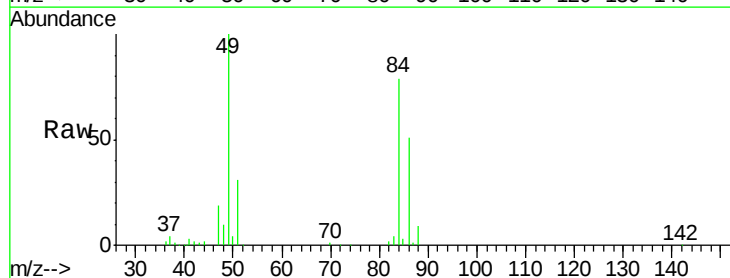
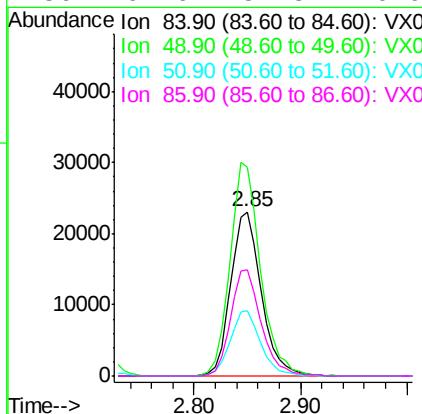
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 9/24/2019 10:05:53 AM

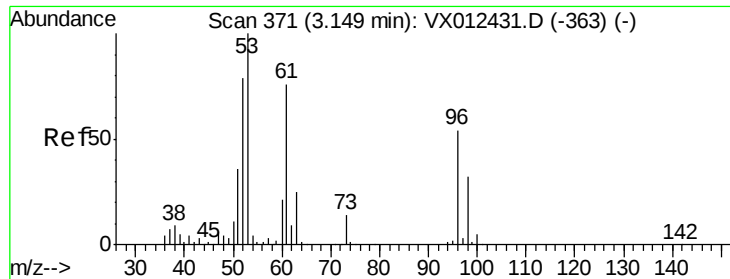


#20

Methylene Chloride
 Concen: 19.485 ug/l
 RT: 2.85 min Scan# 322
 Delta R.T. 0.01 min
 Lab File: VX012605.D
 Acq: 23 Sep 2019 15:33

Tgt Ion	84	Resp	46573
Ion Ratio	Lower	Upper	
84	100		
49	126.7	106.8	160.2
51	39.8	32.3	48.5
86	64.6	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 19.759 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS02

Tot Ion: 96 Resp: 43122

Ion Ratio Lower Upper

96 100

61 149.9 112.0 168.0

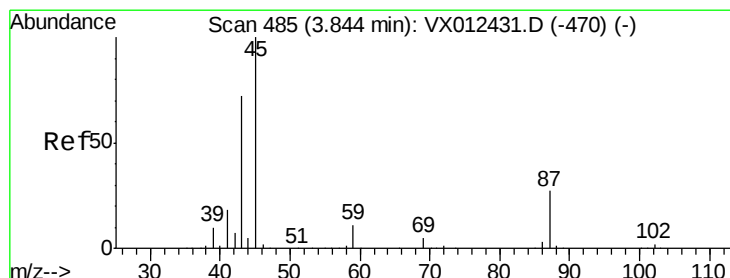
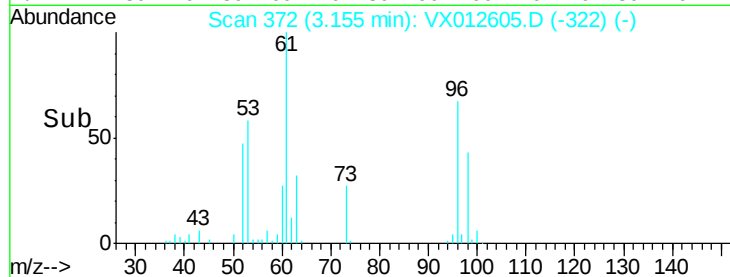
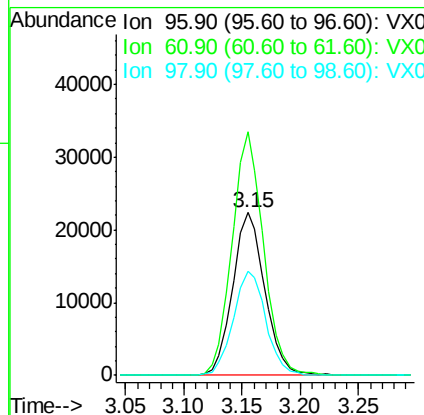
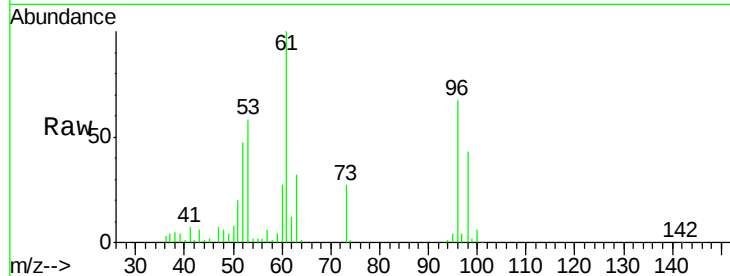
98 63.7 47.8 71.8

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#22

Diisopropyl ether

Concen: 20.059 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Tgt Ion: 45 Resp: 151485

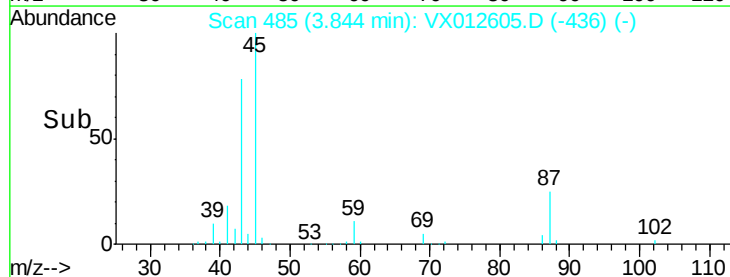
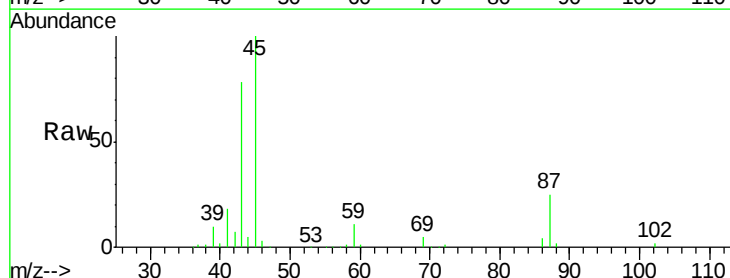
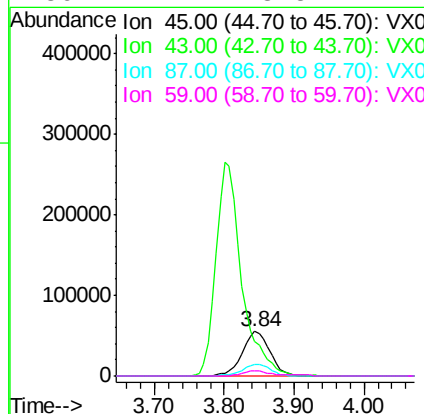
Ion Ratio Lower Upper

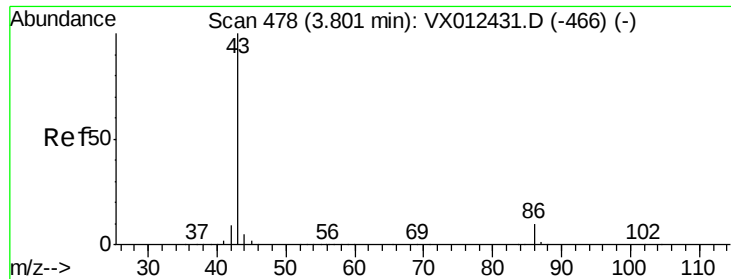
45 100

43 77.7 57.8 86.8

87 24.9 21.3 31.9

59 11.1 8.5 12.7





#23

Vinyl Acetate

Concen: 102.632 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS02

Tot Ion: 43 Resp: 679701

Ion Ratio Lower Upper

43 100

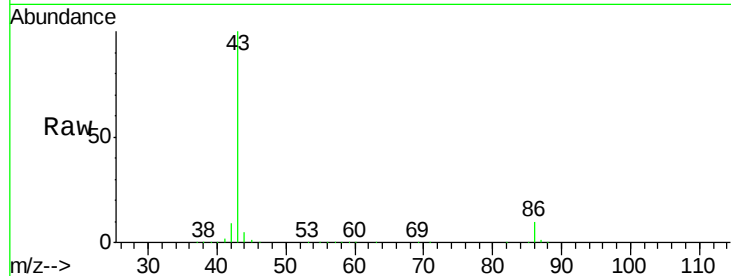
86 10.2 7.8 11.8

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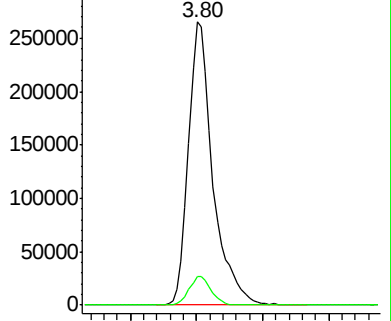
MMDadoda

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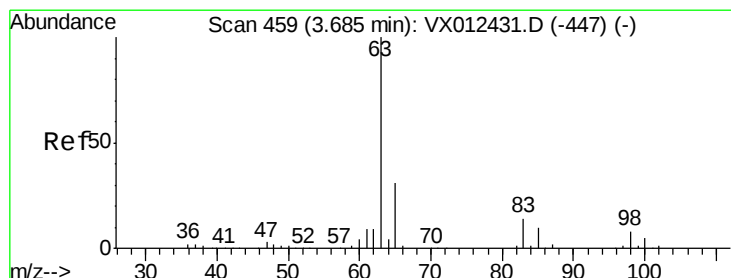
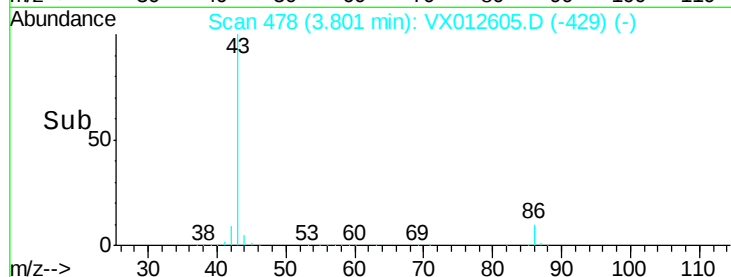


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 20.197 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

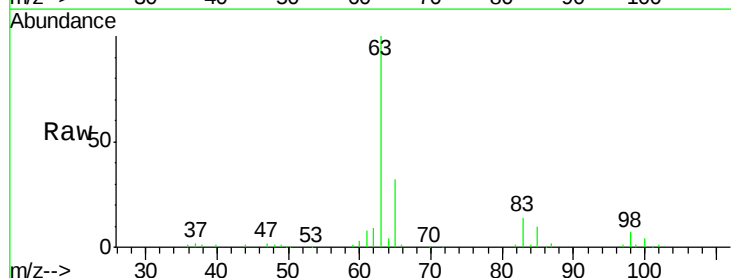
Tgt Ion: 63 Resp: 82910

Ion Ratio Lower Upper

63 100

98 7.0 3.9 11.7

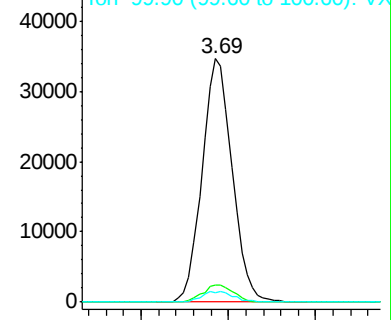
100 4.0 2.3 6.9



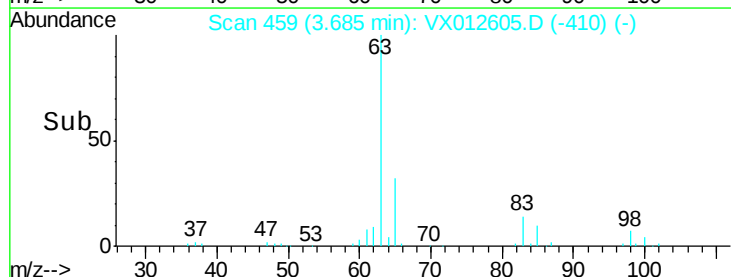
Abundance Ion 62.90 (62.60 to 63.60): VX0

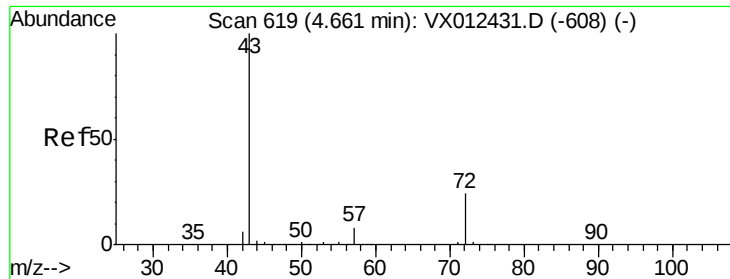
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 103.363 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS02

Tot Ion: 43 Resp: 209446

Ion Ratio Lower Upper

43 100

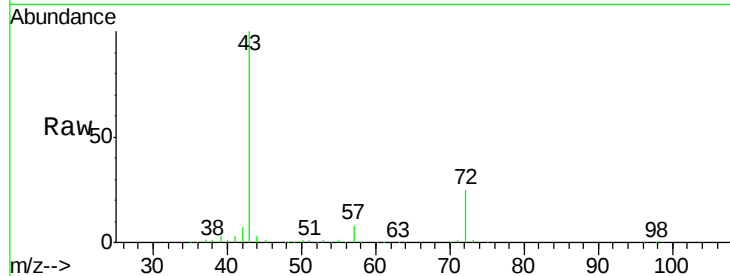
72 24.7 19.2 28.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

80000

60000

40000

20000

0

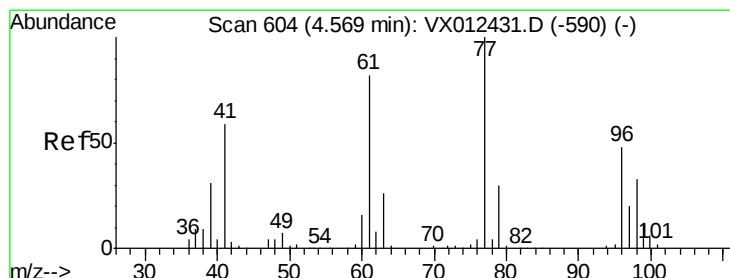
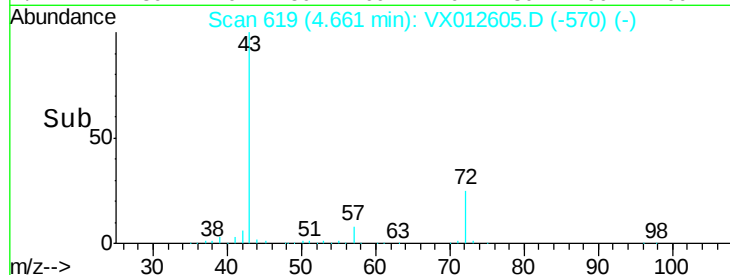
4.66

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.868 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX012605.D

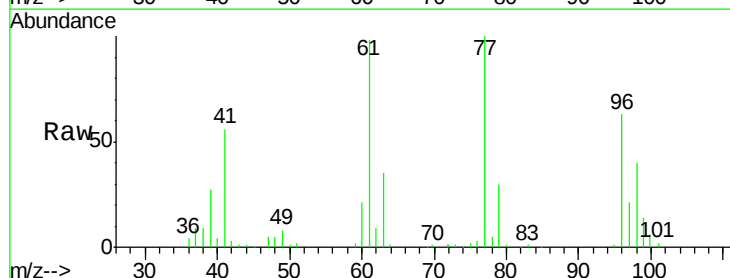
Acq: 23 Sep 2019 15:33

Tgt Ion: 77 Resp: 72537

Ion Ratio Lower Upper

77 100

97 21.9 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

25000

20000

15000

10000

5000

0

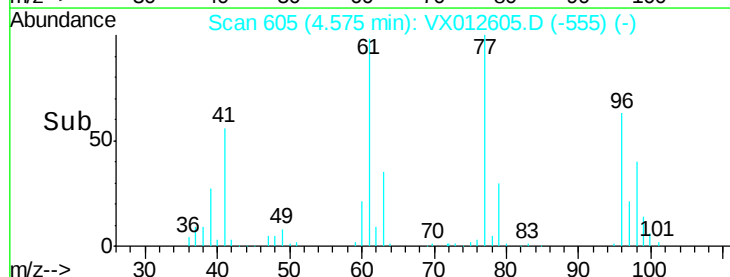
4.58

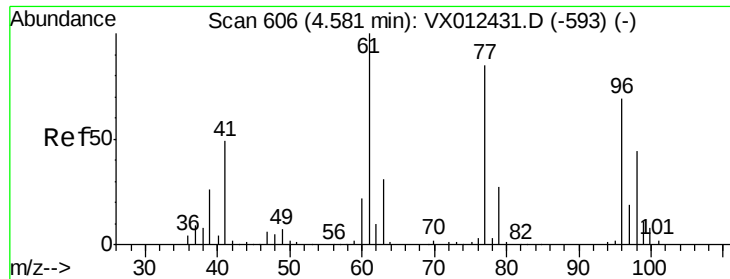
4.50

4.60

4.70

Time-->





#27

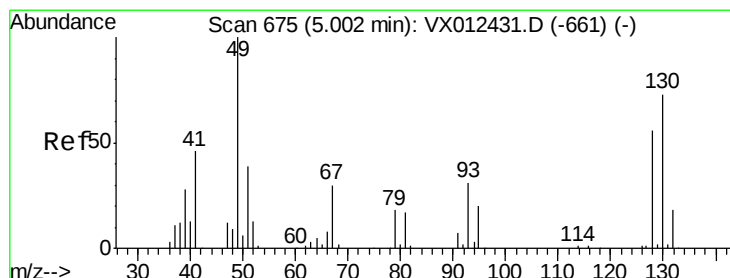
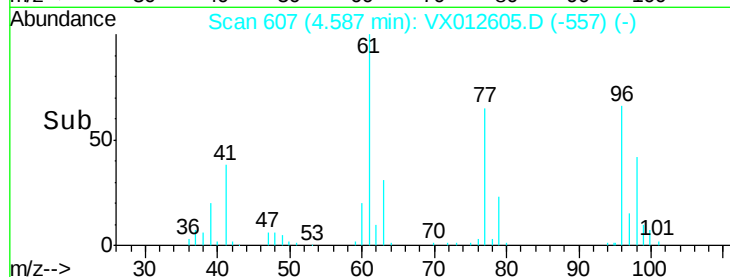
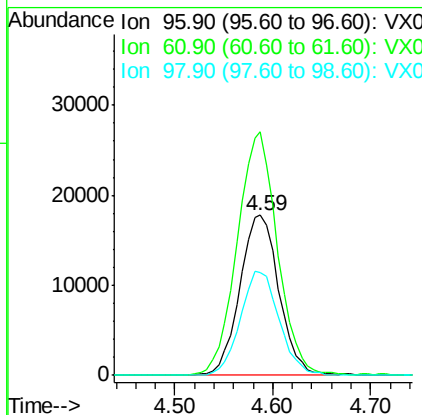
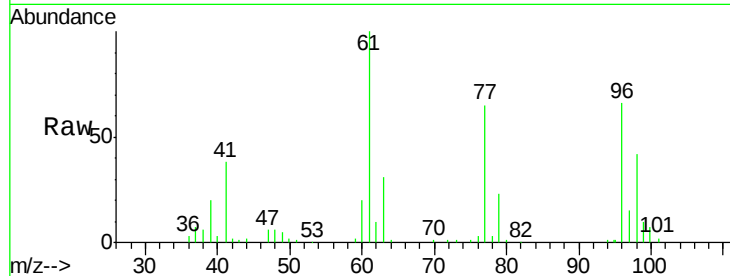
cis-1,2-Dichloroethene
Concen: 19.577 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	49573		
61	156.1	0.0	319.4	
98	64.8	0.0	130.6	

Manual Integrations
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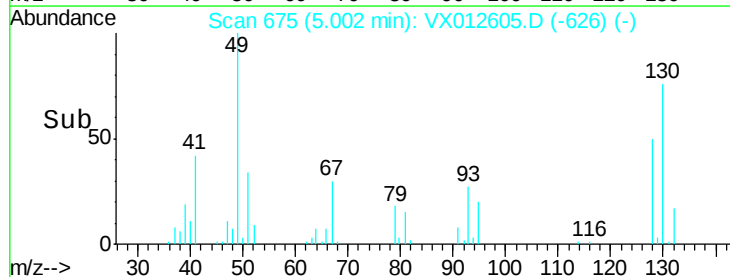
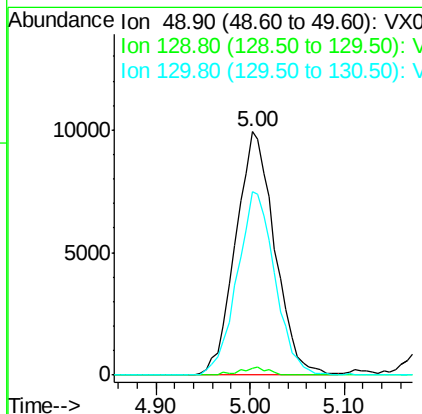
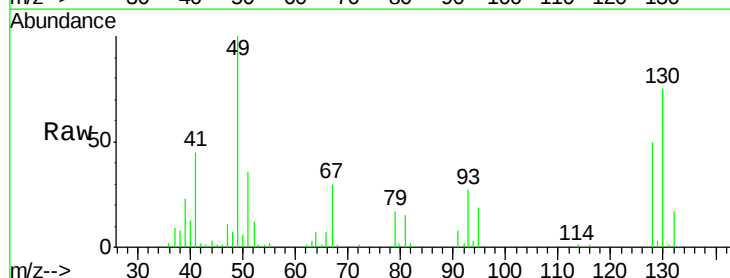
MMDadoda
9/24/2019 10:05:53 AM

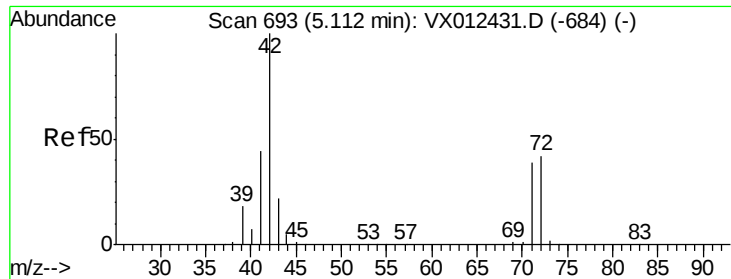


#28

Bromochloromethane
Concen: 19.355 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	28849		
129	2.2	0.0	3.8	
130	72.7	58.2	87.4	





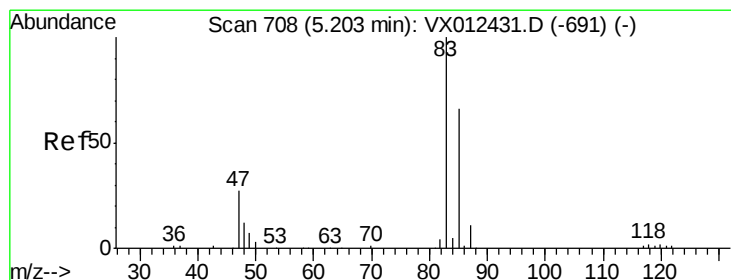
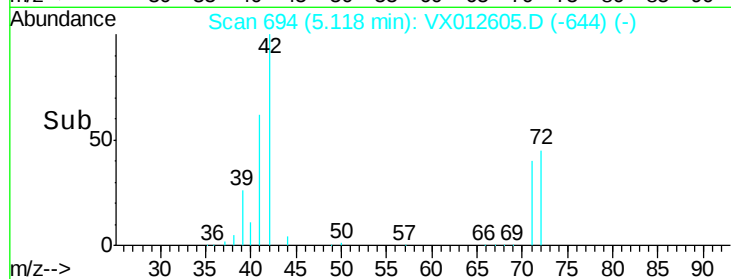
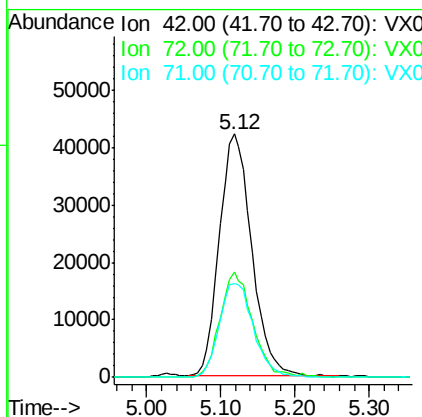
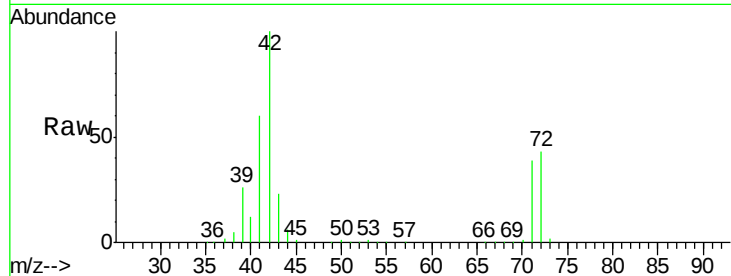
#29
Tetrahydrofuran
Concen: 103.804 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.0	51.0
71	41.1	31.5	47.3

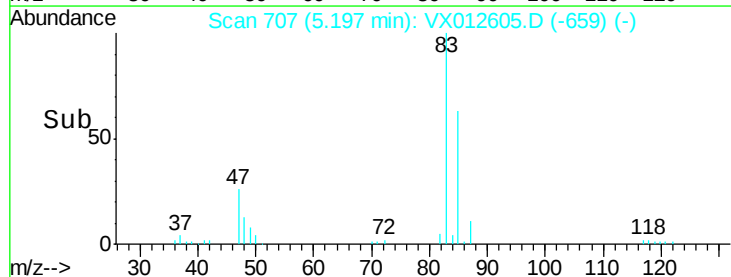
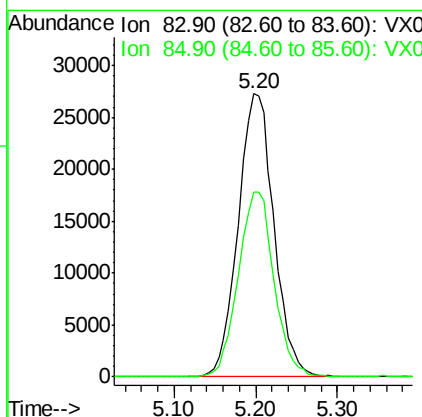
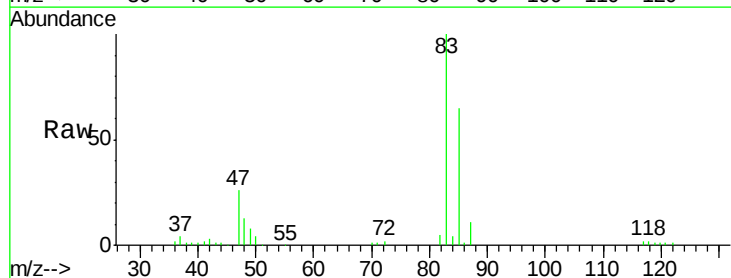
Manual Integrations
APPROVED

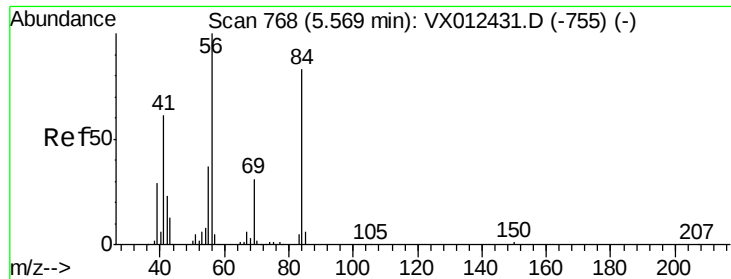
MMDadoda
9/24/2019 10:05:53 AM



#30
Chloroform
Concen: 19.783 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.0	79.4





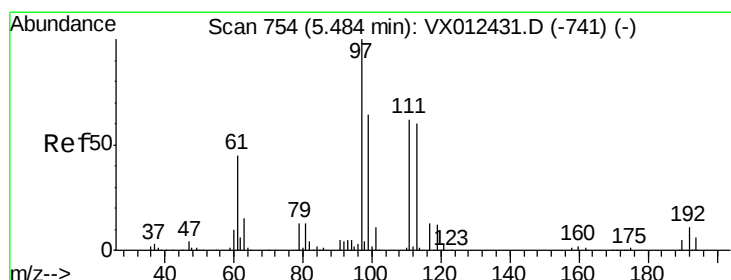
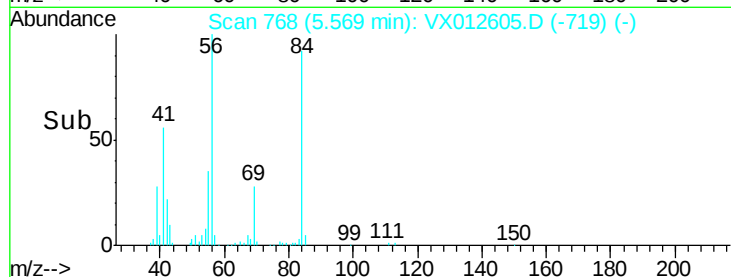
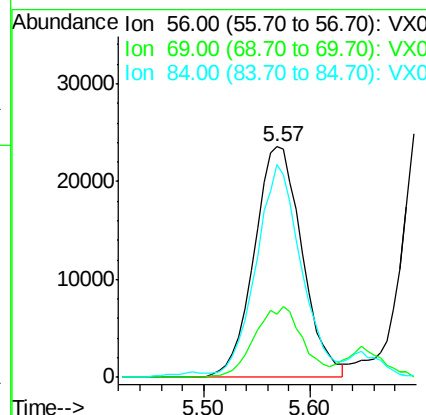
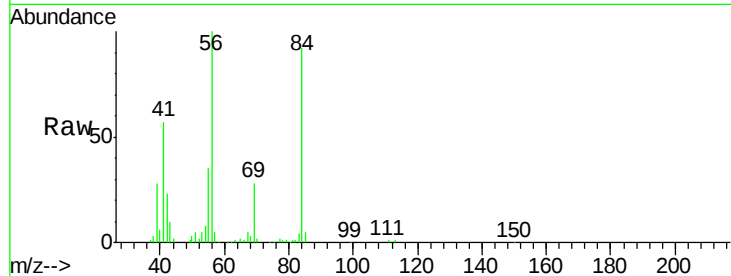
#31
Cyclohexane
Concen: 19.965 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.6	25.0	37.6
84	89.9	66.4	99.6

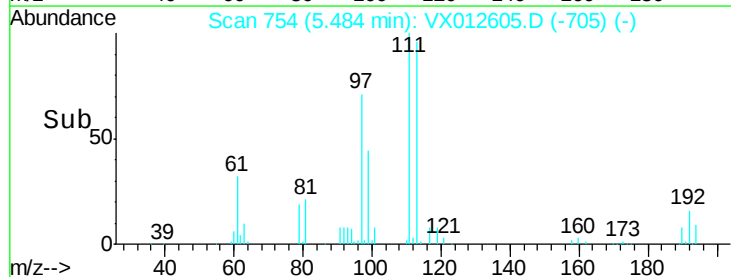
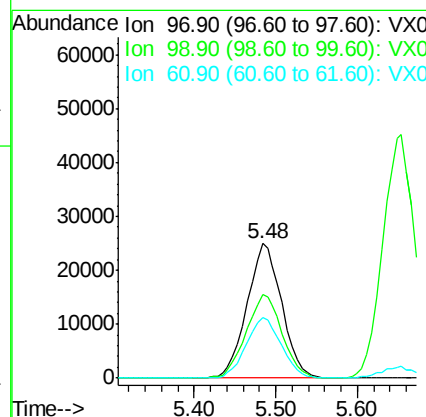
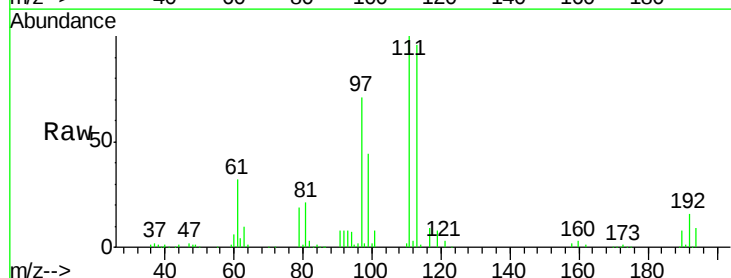
Manual Integrations
APPROVED

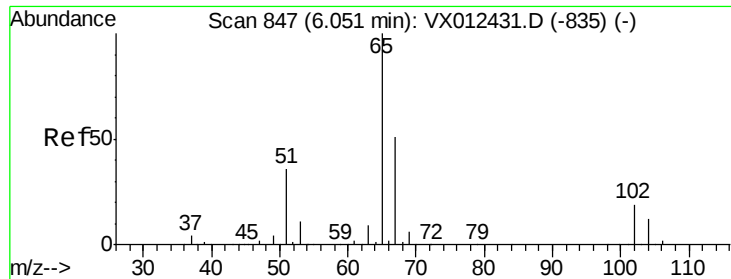
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.794 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	45.5	36.1	54.1





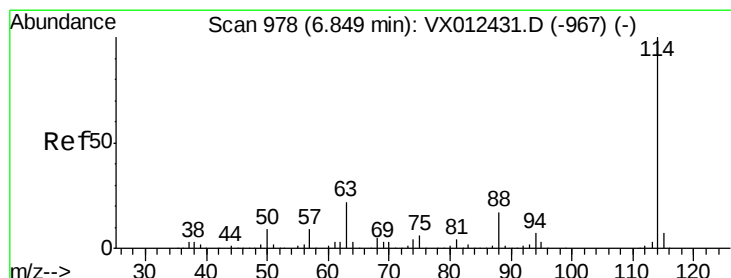
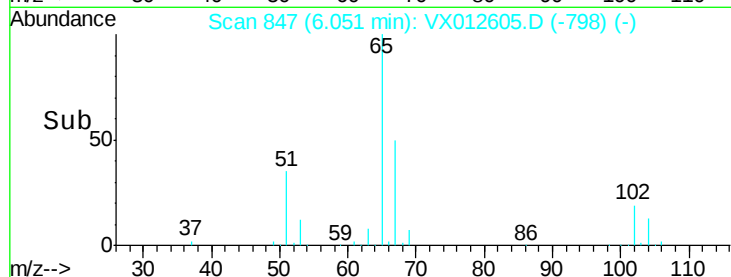
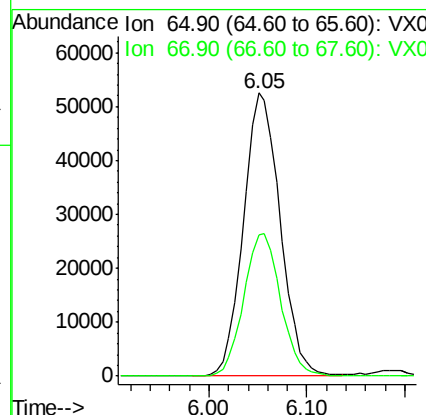
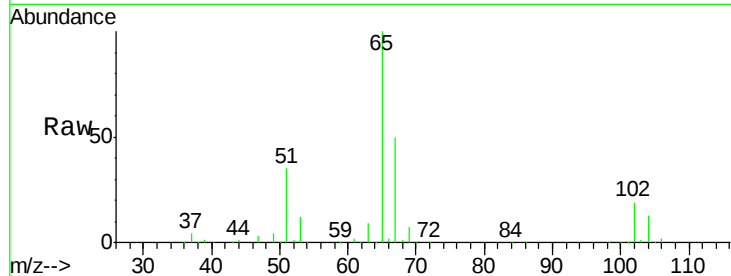
#33
 1,2-Dichloroethane-d4
 Concen: 51.304 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012605.D
 Acq: 23 Sep 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.5	0.0	101.2	

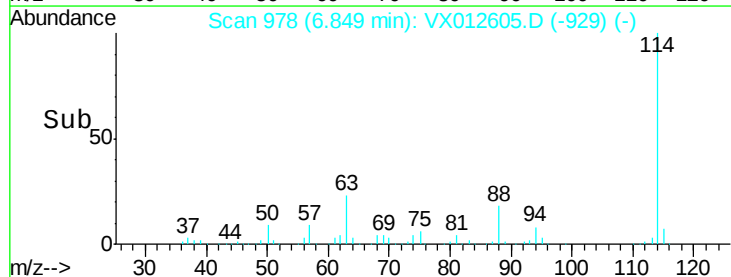
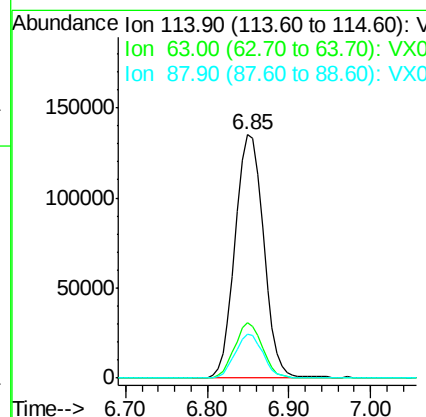
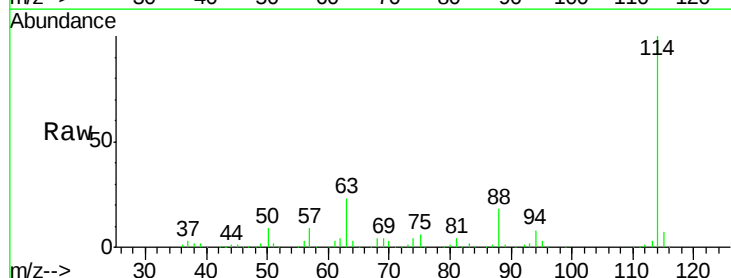
Manual Integrations
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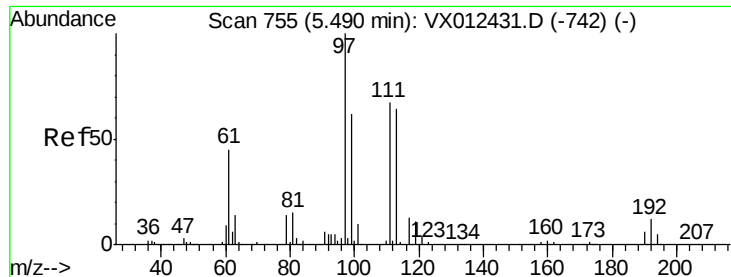
MMDadoda
 9/24/2019 10:05:53 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012605.D
 Acq: 23 Sep 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.6	0.0	43.2	
88	18.2	0.0	33.2	





#35

Dibromofluoromethane

Concen: 51.829 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Instrument :

MSVOA_X

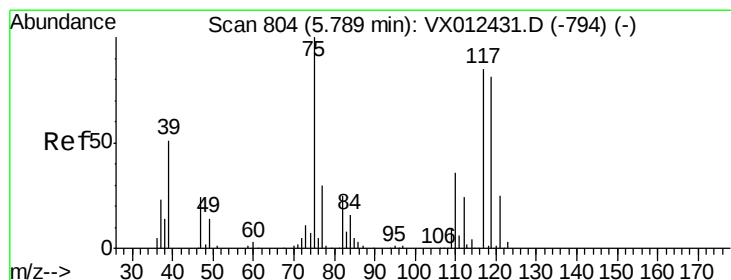
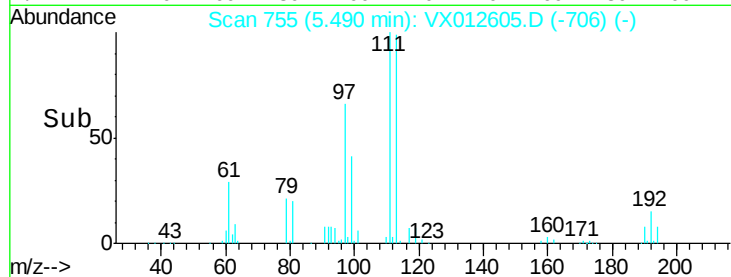
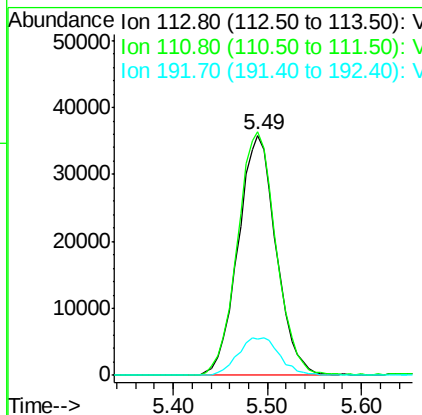
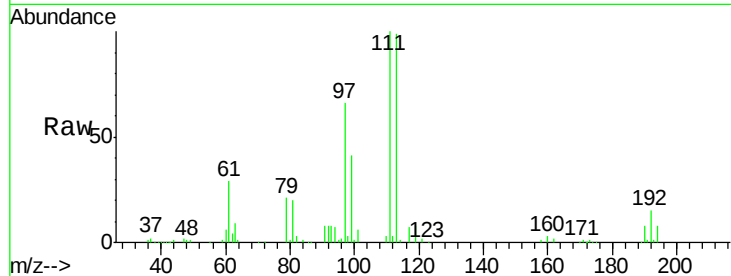
ClientSampleId :

VX0923WBS02

Tot Ion:	113	Resp:	100926
Ion Ratio	Lower	Upper	
113	100		
111	103.1	83.4	125.2
192	17.1	14.4	21.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.281 ug/l

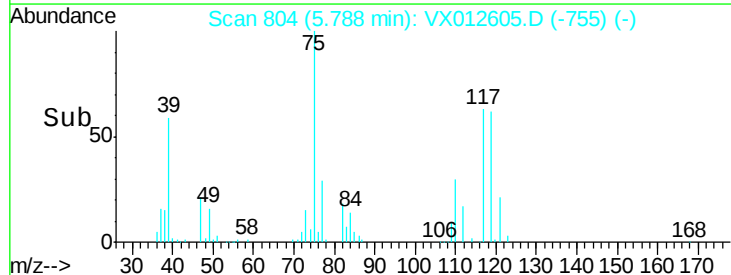
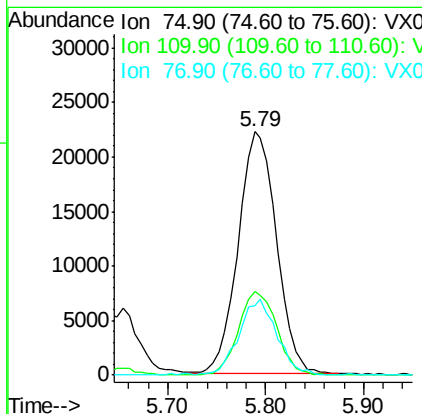
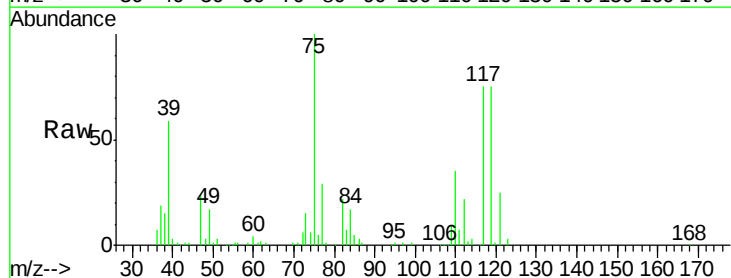
RT: 5.79 min Scan# 804

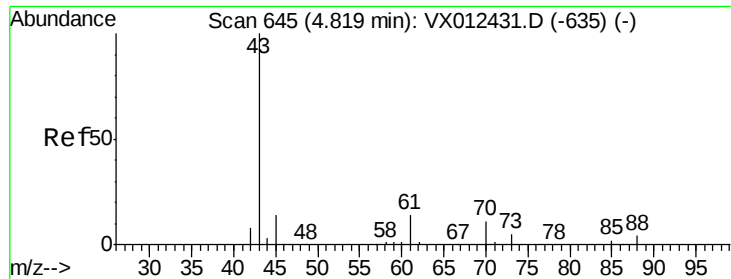
Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Tgt Ion:	75	Resp:	60769
Ion Ratio	Lower	Upper	
75	100		
110	34.3	16.7	50.0
77	30.9	24.2	36.2





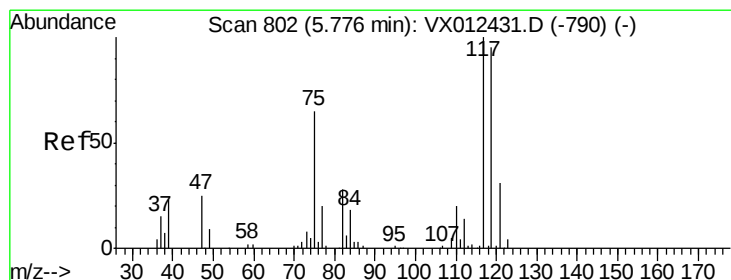
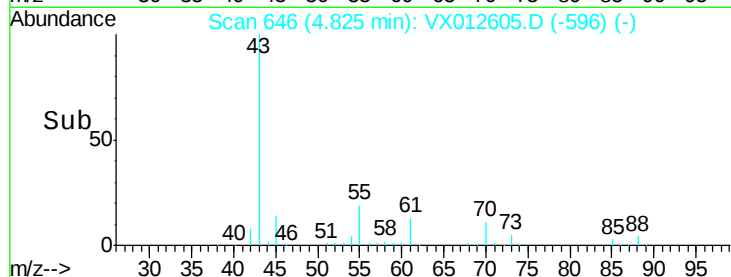
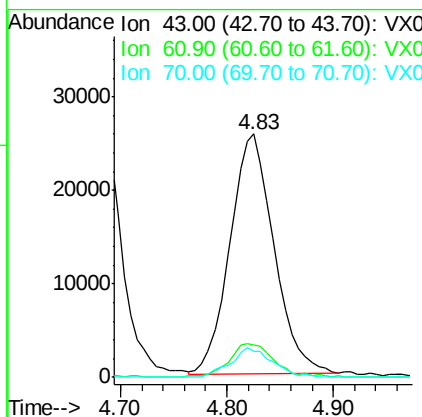
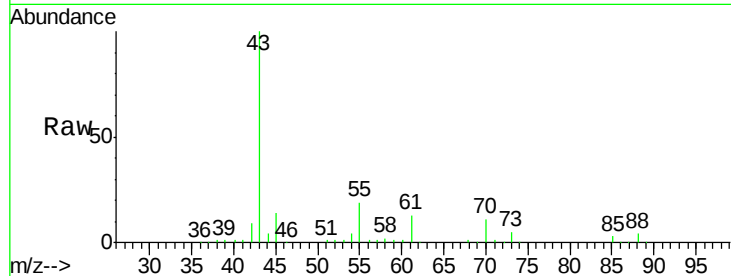
#37
Ethyl Acetate
Concen: 20.036 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.2	15.4
70	11.8	8.7	13.1

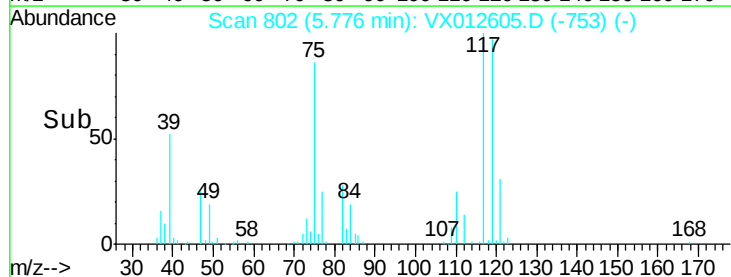
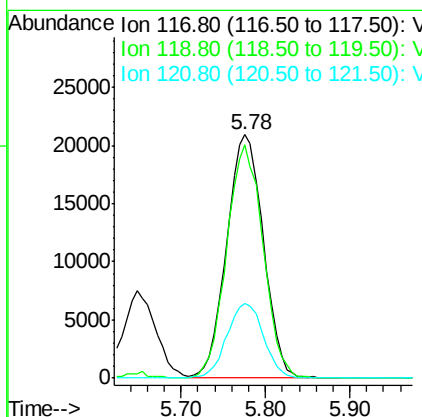
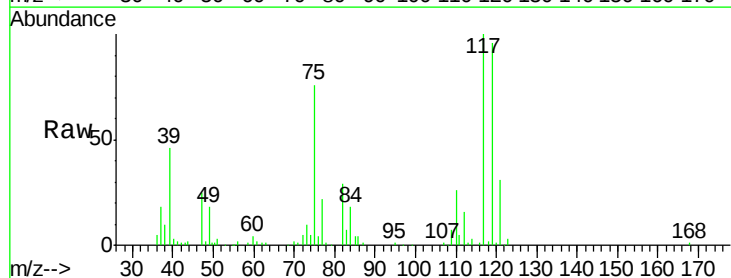
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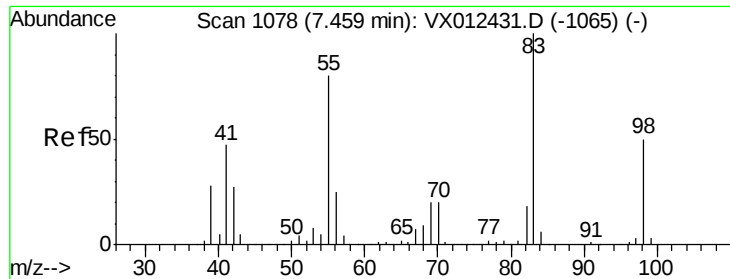
MMDadoda
9/24/2019 10:05:53 AM



#38
Carbon Tetrachloride
Concen: 19.348 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.7	113.5
121	30.8	24.2	36.4





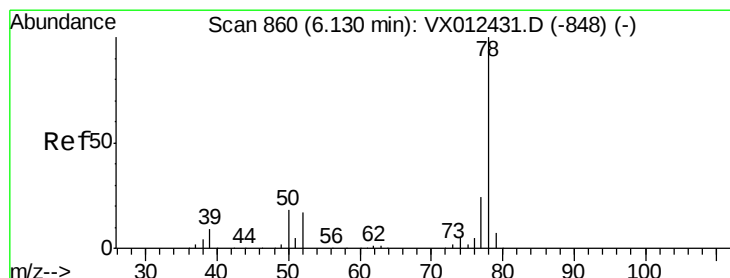
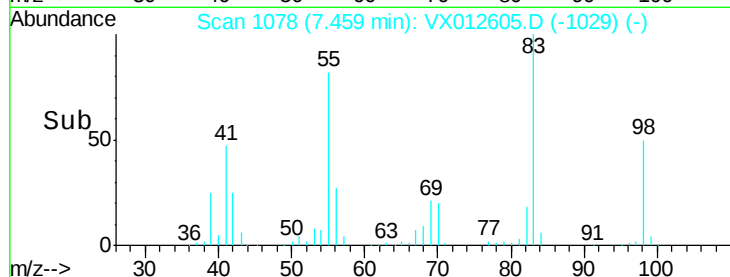
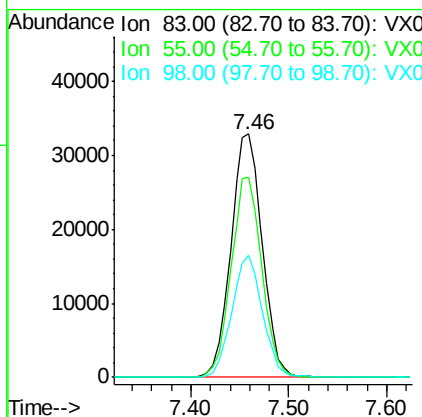
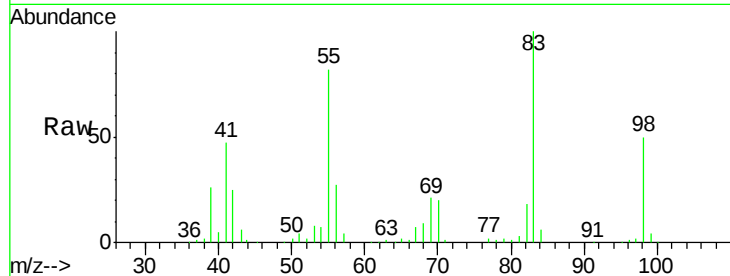
#39
Methvlcvclohexane
Concen: 19.217 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS02

Tot Ion	83	Resp	72914
Ion Ratio	100	Lower	Upper
83	100		
55	82.3	64.4	96.6
98	50.4	40.1	60.1

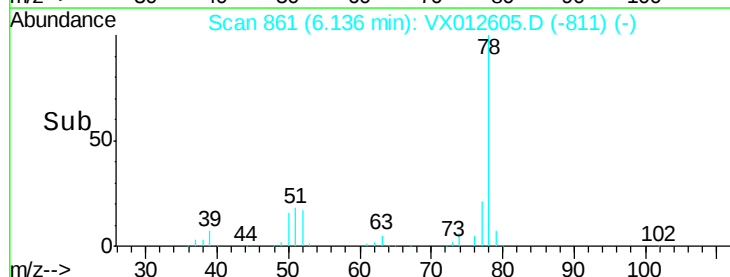
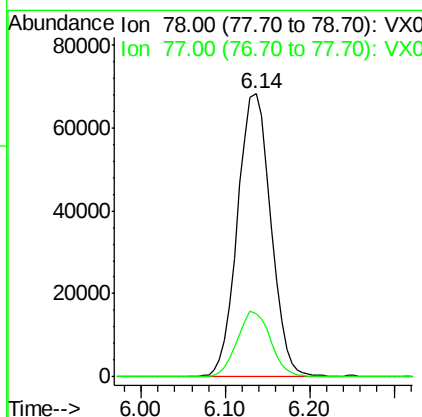
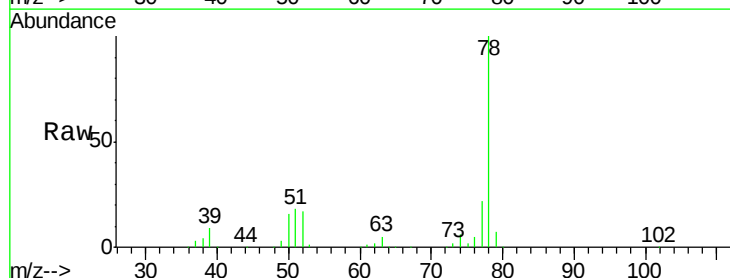
Manual Integrations
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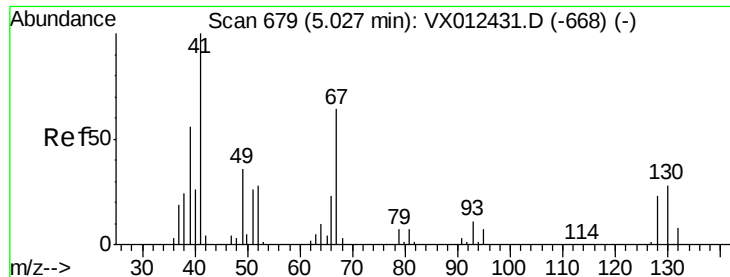
MMDadoda
9/24/2019 10:05:53 AM



#40
Benzene
Concen: 19.713 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Tgt Ion	78	Resp	182806
Ion Ratio	100	Lower	Upper
78	100		
77	22.4	19.2	28.8





#41

Methacrylonitrile

Concen: 19.896 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS02

Tot Ion: 41 Resp: 41133

Ion Ratio Lower Upper

41 100

39 54.2 46.0 69.0

67 71.3 52.2 78.2

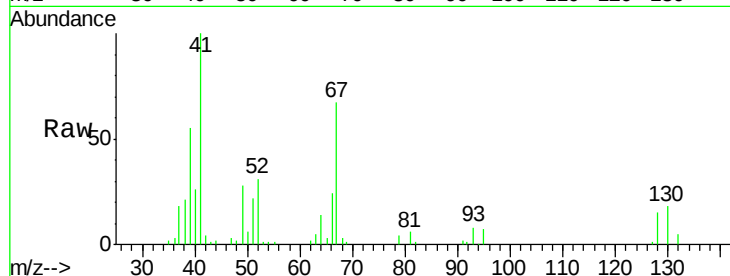
52 31.2 22.7 34.1

Manual Integrations

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9/24/2019 10:05:53 AM

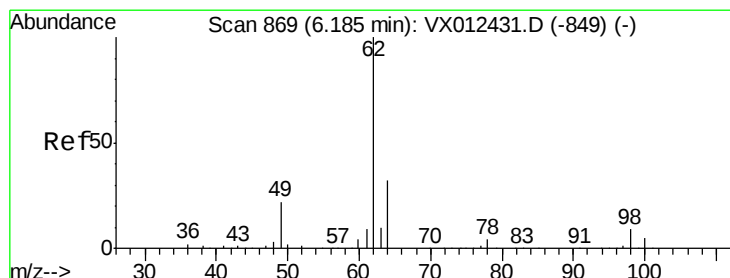
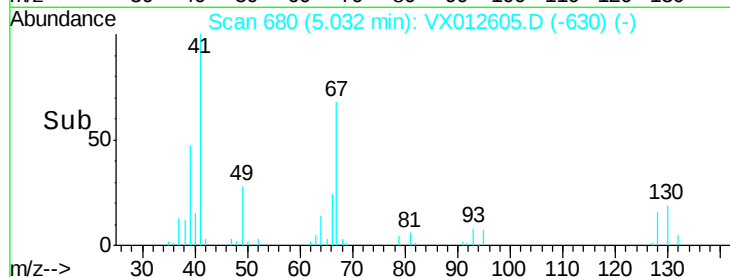
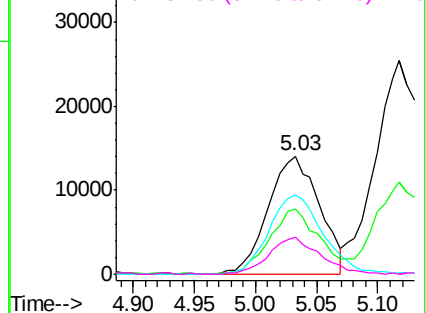


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 20.001 ug/l

RT: 6.18 min Scan# 869

Delta R.T. -0.00 min

Lab File: VX012605.D

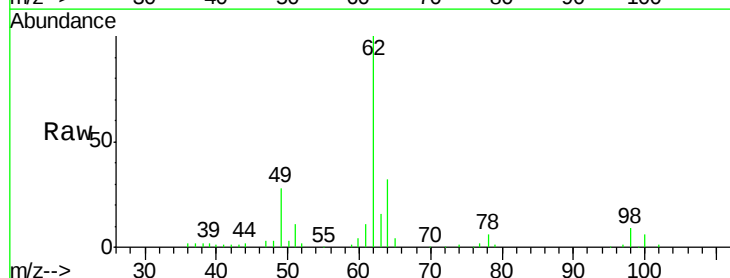
Acq: 23 Sep 2019 15:33

Tgt Ion: 62 Resp: 70434

Ion Ratio Lower Upper

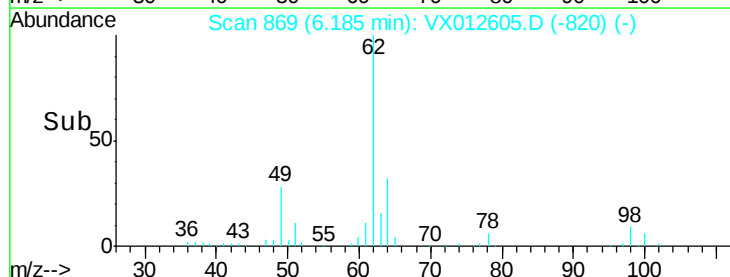
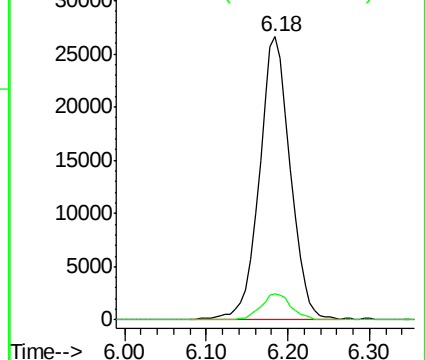
62 100

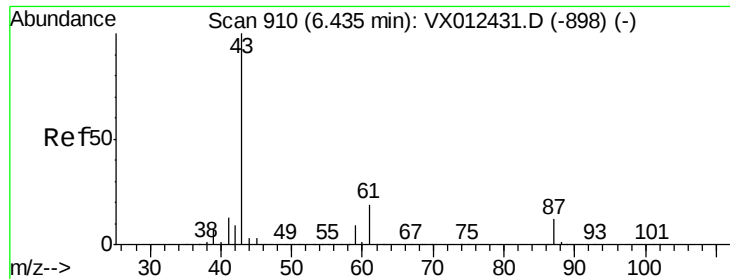
98 9.1 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





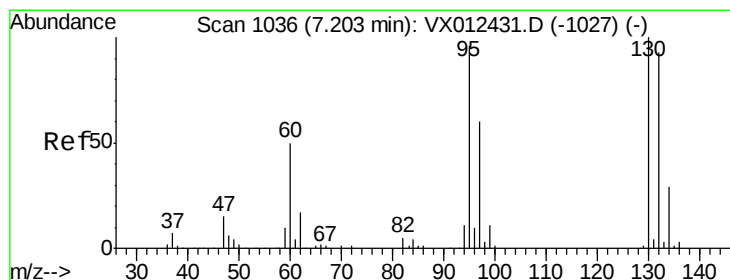
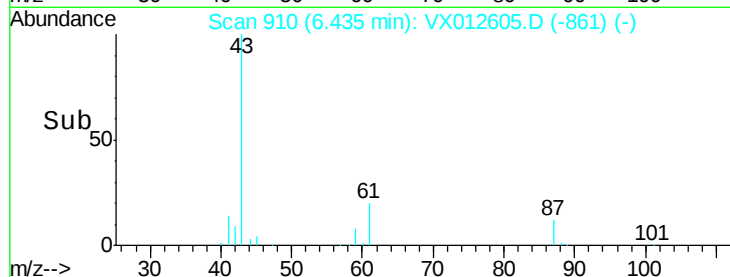
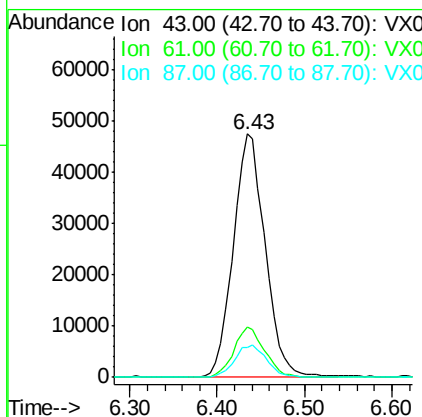
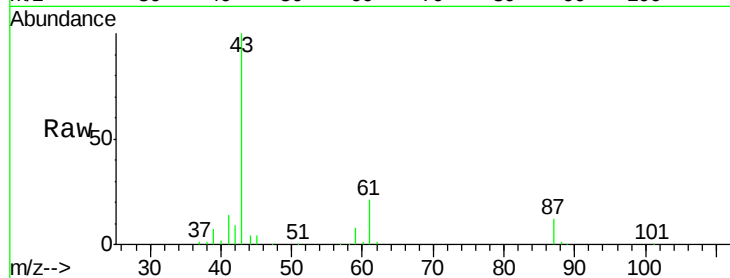
#43
Isopropyl Acetate
Concen: 19.454 ug/l
RT: 6.43 min Scan# 910
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.4	23.0
87	13.3	9.8	14.8

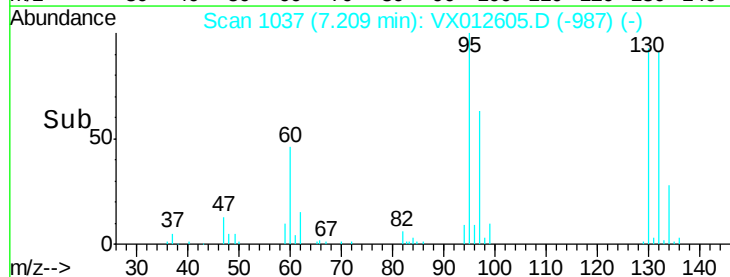
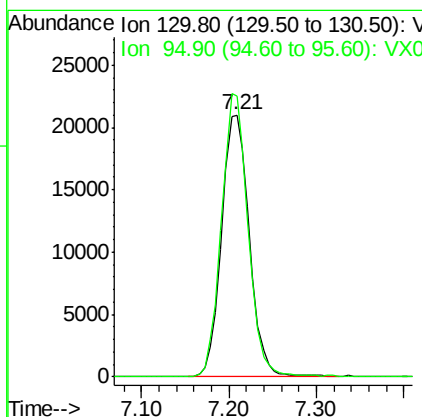
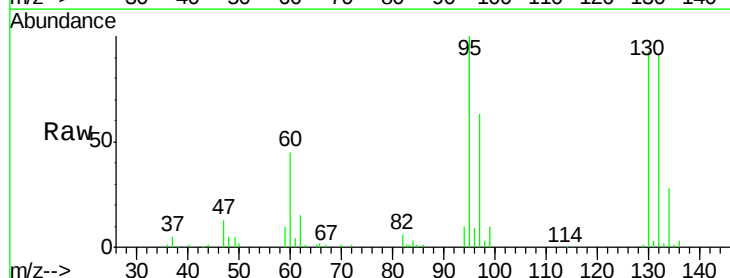
Manual Integrations
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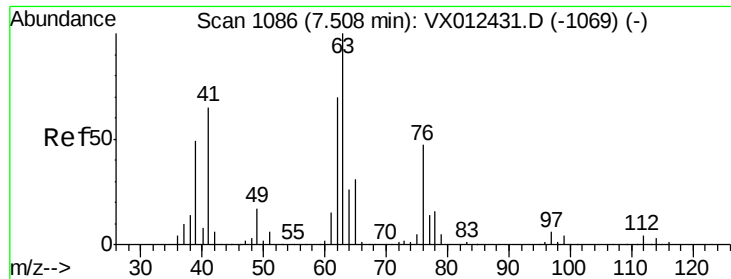
MMDadoda
9/24/2019 10:05:53 AM



#44
Trichloroethene
Concen: 19.494 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.6	0.0	193.0





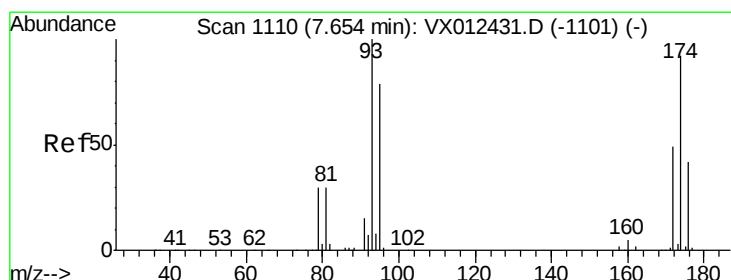
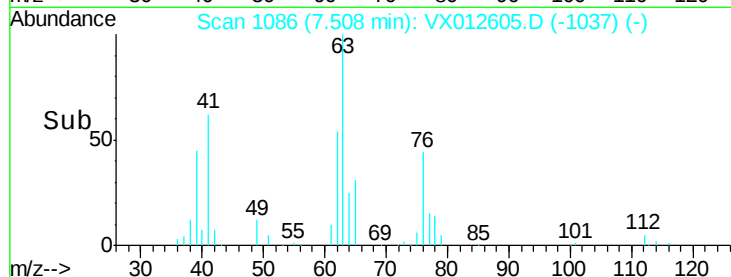
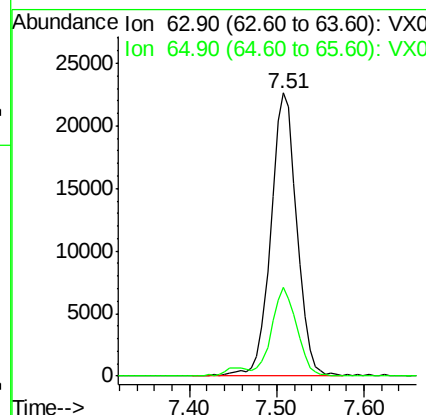
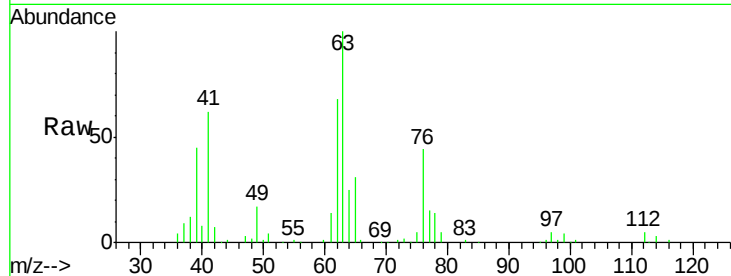
#45
 1,2-Dichloropropane
 Concen: 19.775 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX012605.D
 Acq: 23 Sep 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBS02

Tot Ion: 63 Resp: 46949
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.0 37.6

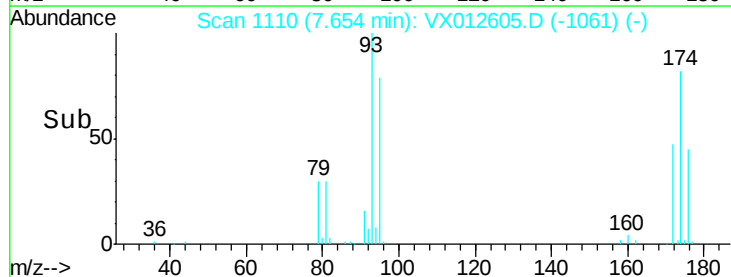
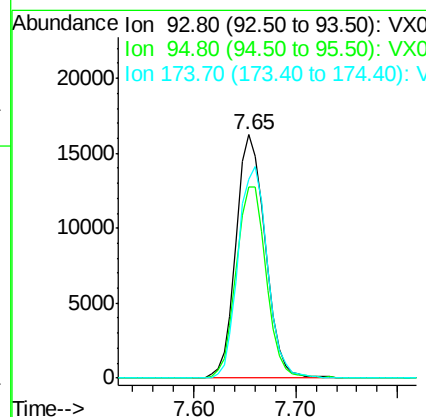
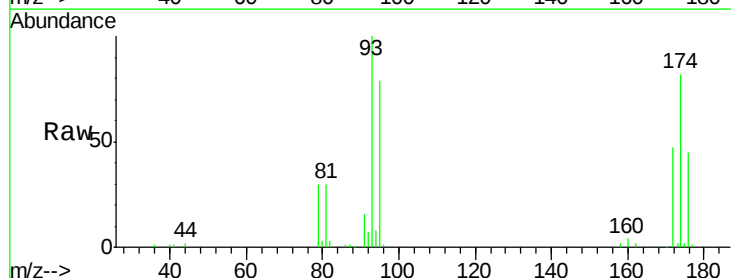
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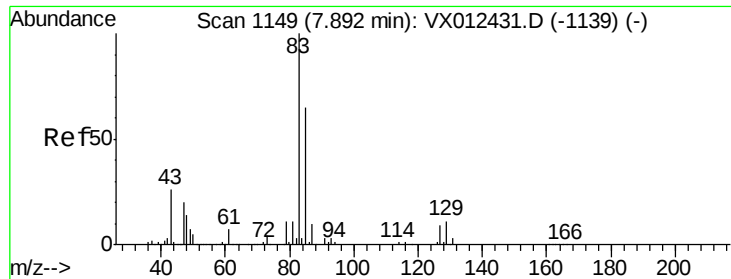
MMDadoda
 9/24/2019 10:05:53 AM



#46
 Dibromomethane
 Concen: 19.911 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012605.D
 Acq: 23 Sep 2019 15:33

Tgt Ion: 93 Resp: 32186
 Ion Ratio Lower Upper
 93 100
 95 80.8 66.6 100.0
 174 87.1 77.4 116.0





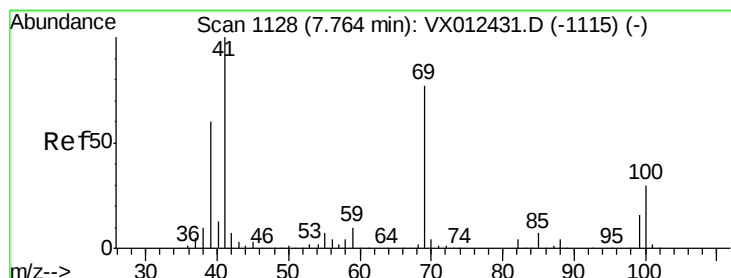
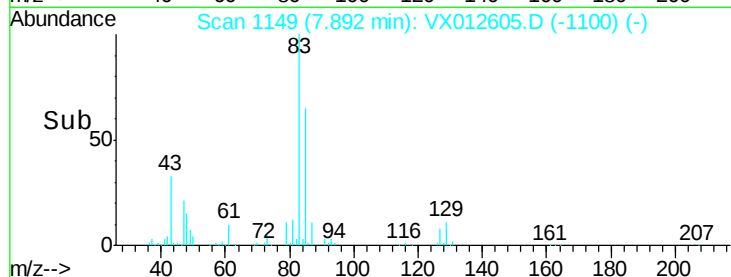
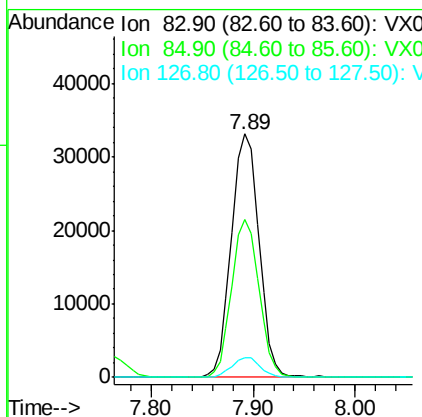
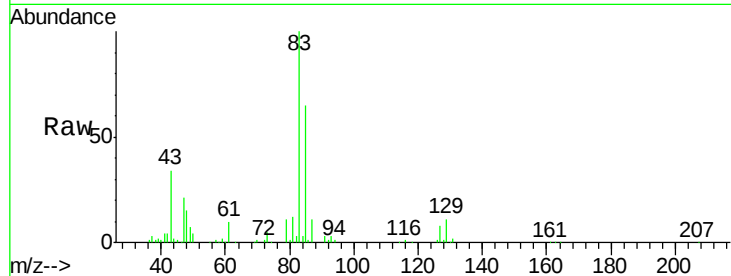
#47
Bromodichloromethane
Concen: 19.282 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS02

Tot Ion	83	Resp	62294
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	51.8	77.6
127	8.2	7.3	10.9

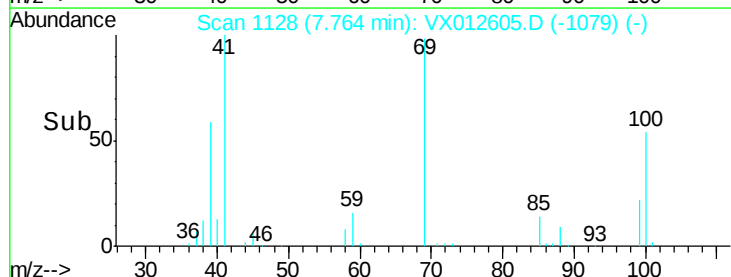
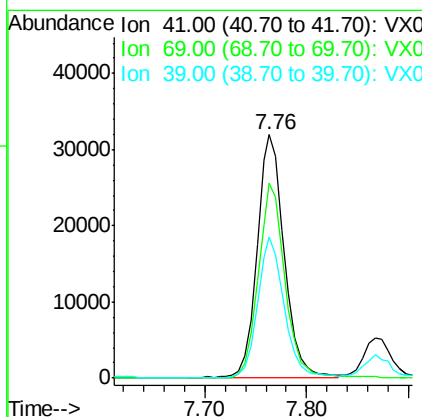
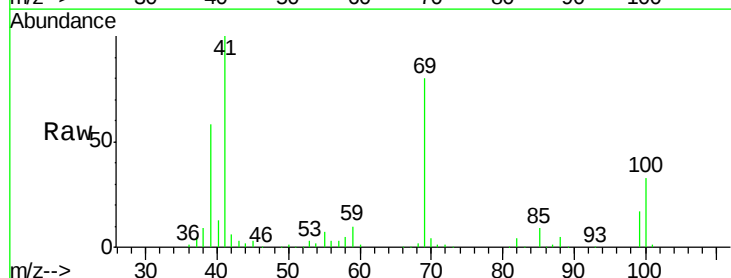
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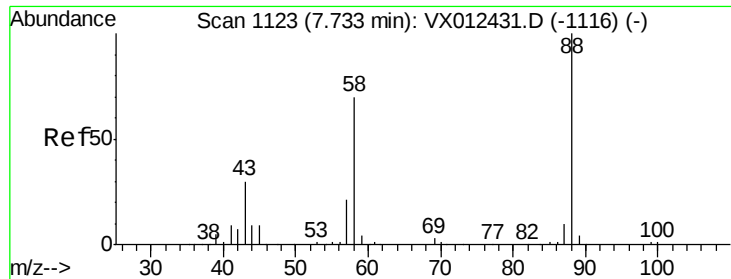
MMDadoda
9/24/2019 10:05:53 AM



#48
Methyl methacrylate
Concen: 20.107 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Tgt Ion	41	Resp	59409
Ion Ratio	100	Lower	Upper
41	100		
69	78.6	59.9	89.9
39	56.8	47.8	71.6





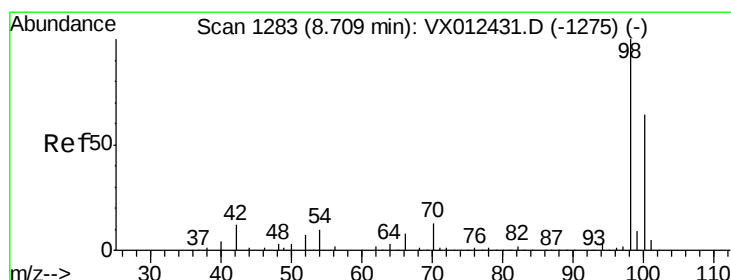
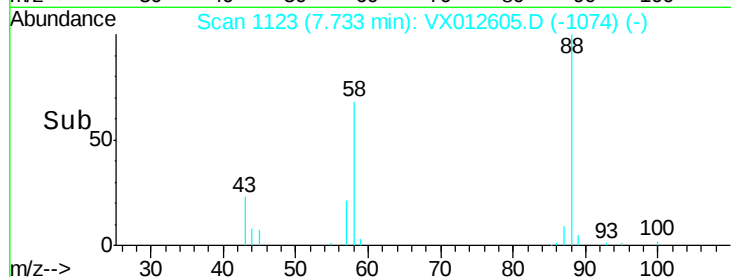
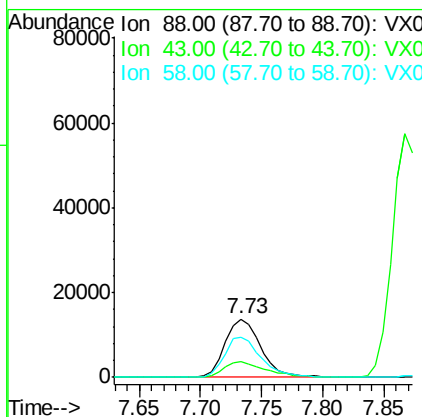
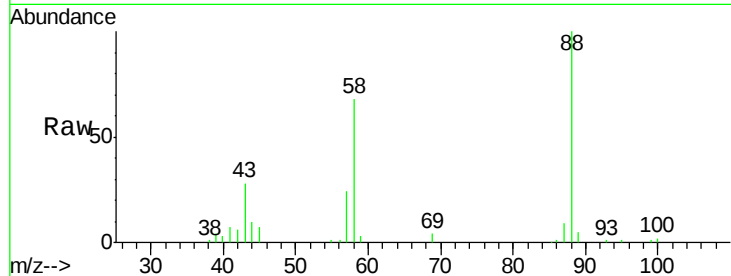
#49
1,4-Dioxane
Concen: 414.480 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	29.4	44.0
58	71.5	57.5	86.3

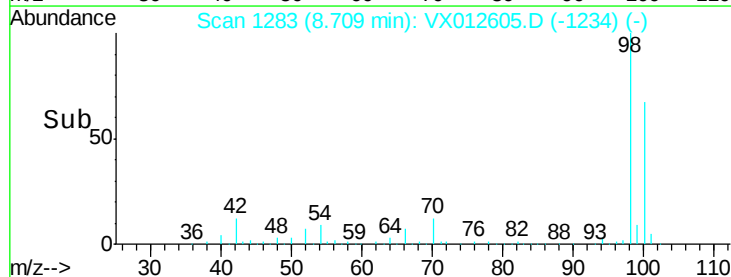
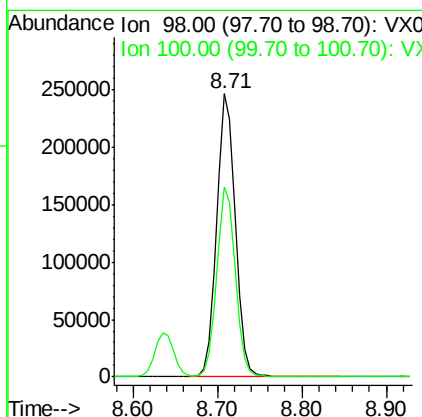
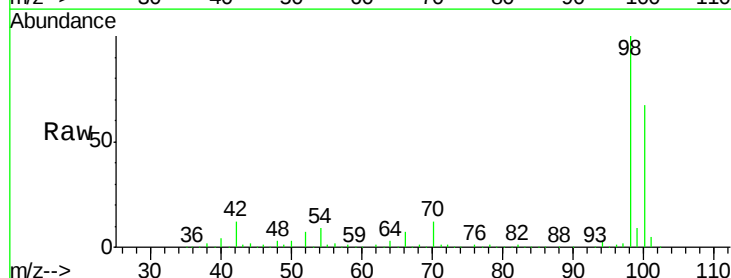
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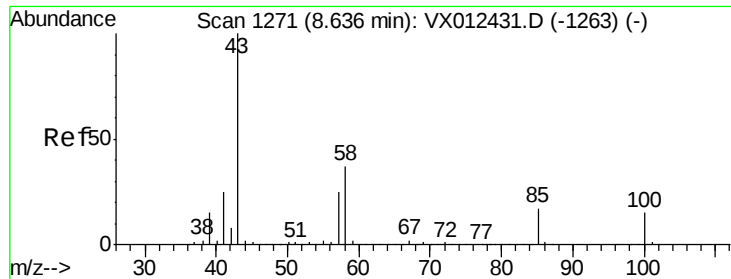
MMDadoda
9/24/2019 10:05:53 AM



#50
Toluene-d8
Concen: 50.882 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 101.266 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS02

Tot Ion: 43 Resp: 385183

Ion Ratio Lower Upper

43 100

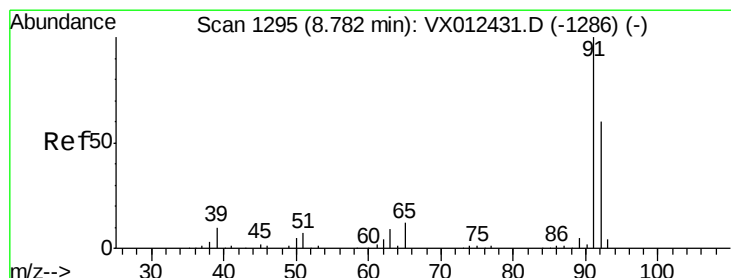
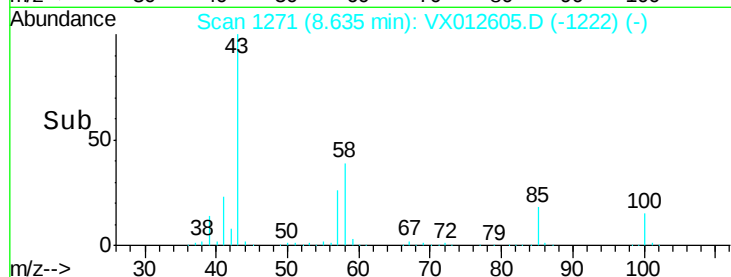
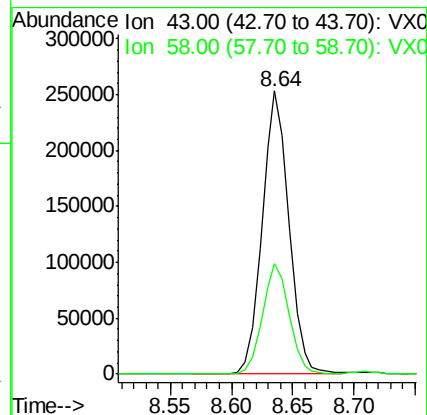
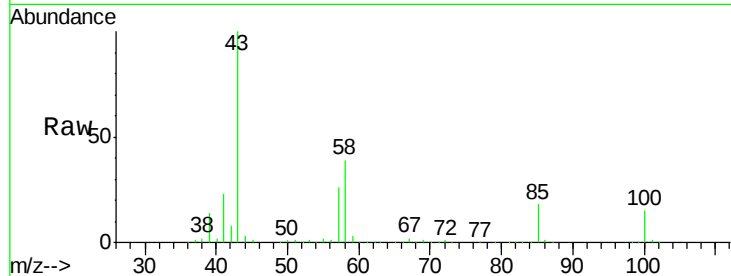
58 39.0 29.8 44.6

Manual Integrations

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MMDadoda

9/24/2019 10:05:53 AM



#52

Toluene

Concen: 19.728 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX012605.D

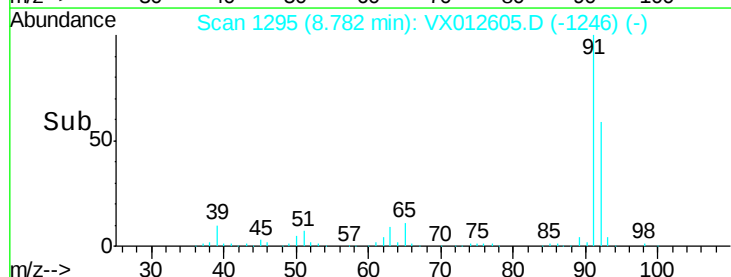
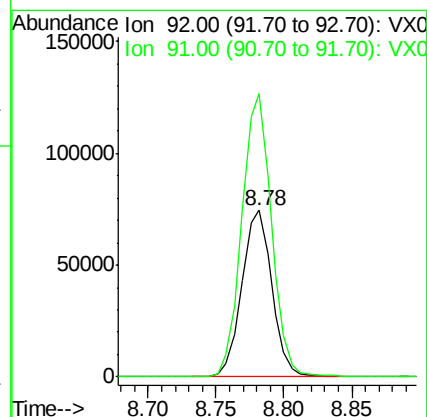
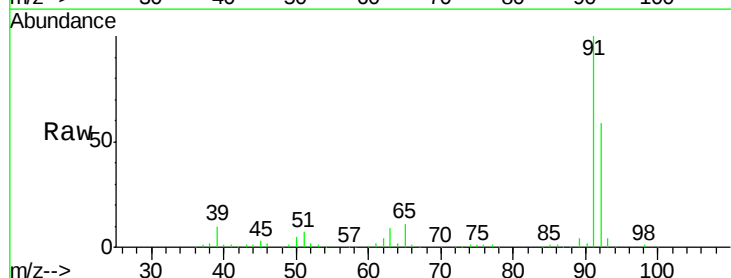
Acq: 23 Sep 2019 15:33

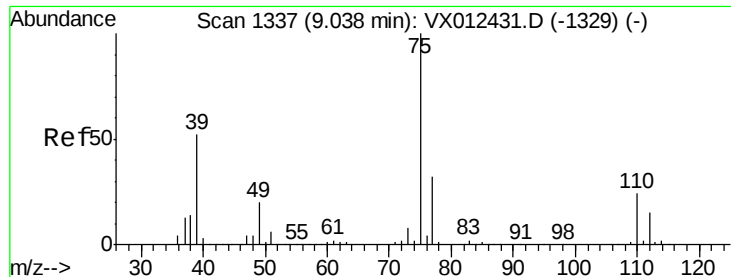
Tgt Ion: 92 Resp: 114984

Ion Ratio Lower Upper

92 100

91 168.4 135.4 203.0





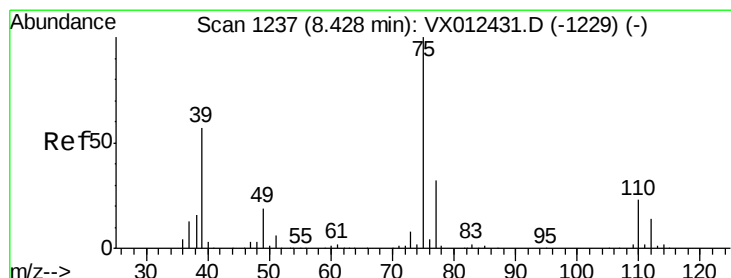
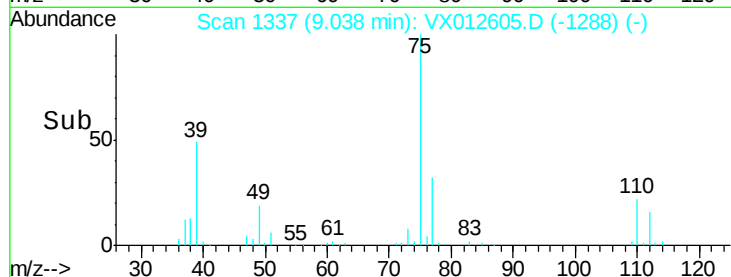
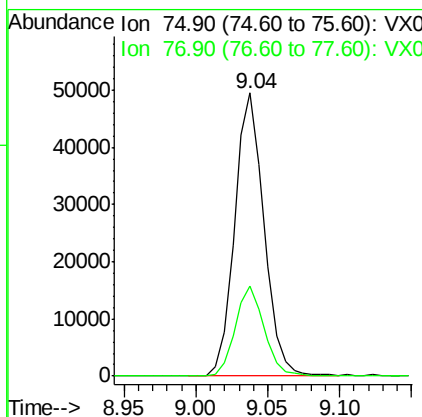
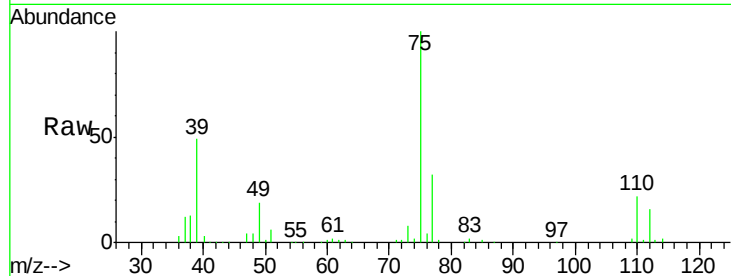
#53
 t-1,3-Dichloropropene
 Concen: 19.691 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VX012605.D
 Acq: 23 Sep 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBS02

Tot Ion: 75 Resp: 70385
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.2 37.8

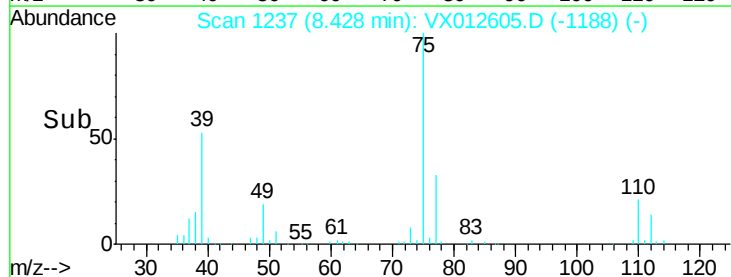
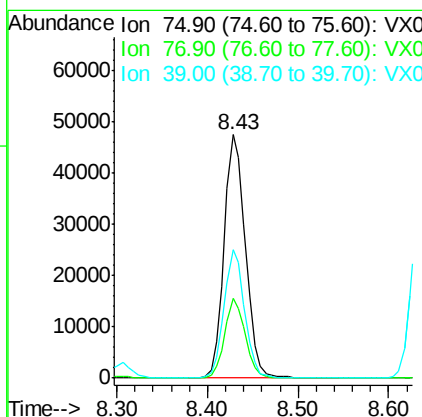
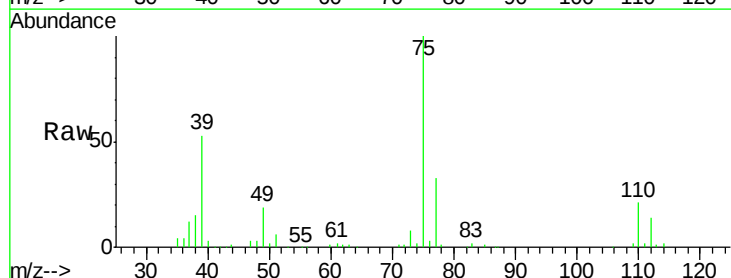
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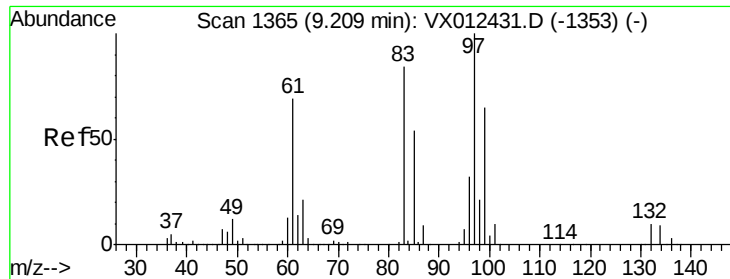
MMDadoda
 9/24/2019 10:05:53 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.849 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012605.D
 Acq: 23 Sep 2019 15:33

Tgt Ion: 75 Resp: 77468
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.8 38.8
 39 52.7 45.5 68.3





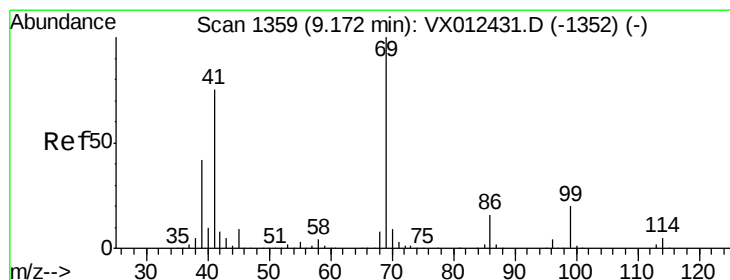
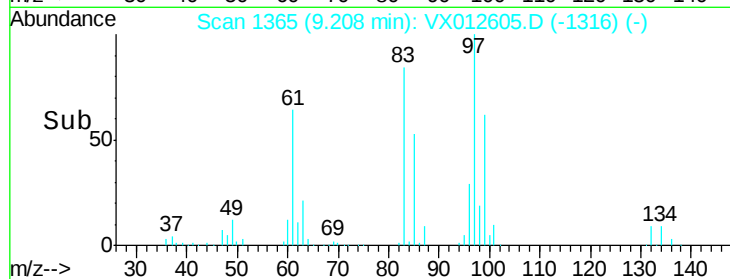
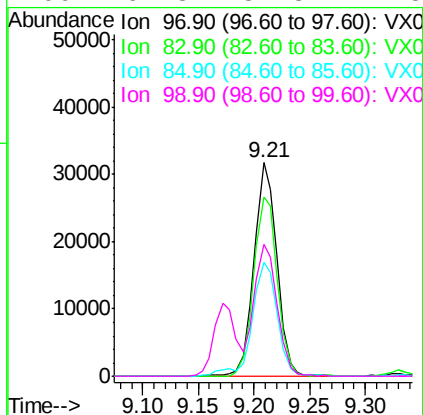
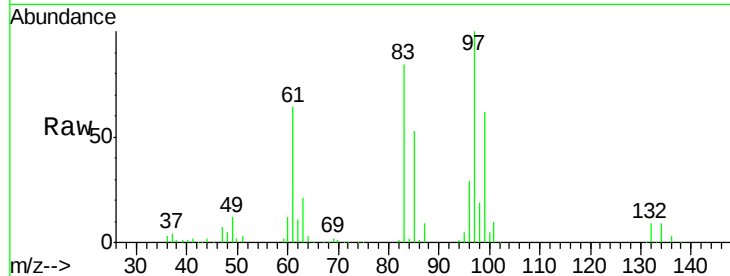
#55
 1,1,2-Trichloroethane
 Concen: 19.685 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012605.D
 Acq: 23 Sep 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		45614		
83	83.7	67.4	101.2		
85	53.4	43.5	65.3		
99	61.8	51.8	77.8		

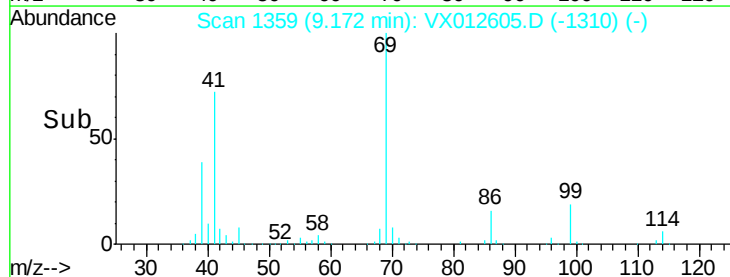
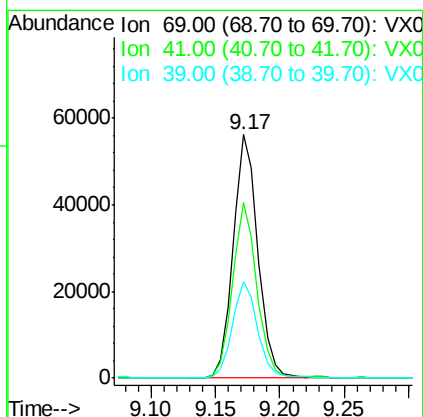
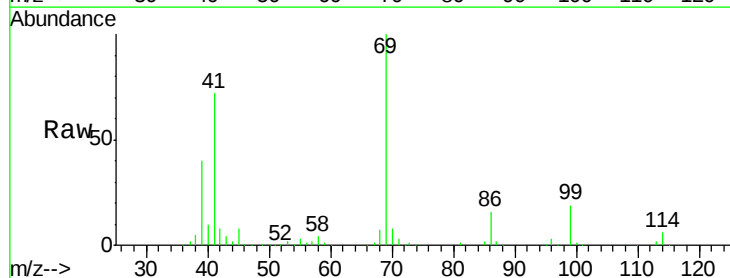
Manual Integrations
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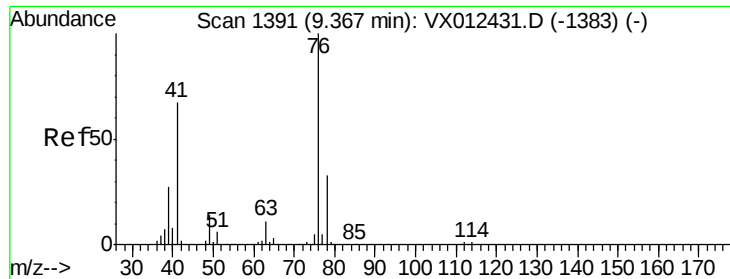
MMDadoda
 9/24/2019 10:05:53 AM



#56
 Ethyl methacrylate
 Concen: 19.400 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012605.D
 Acq: 23 Sep 2019 15:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		75522		
41	71.8	58.4	87.6		
39	39.9	33.4	50.0		





#57

1,3-Dichloropropane

Concen: 19.949 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS02

Tot Ion: 76 Resp: 80901

Ion Ratio Lower Upper

76 100

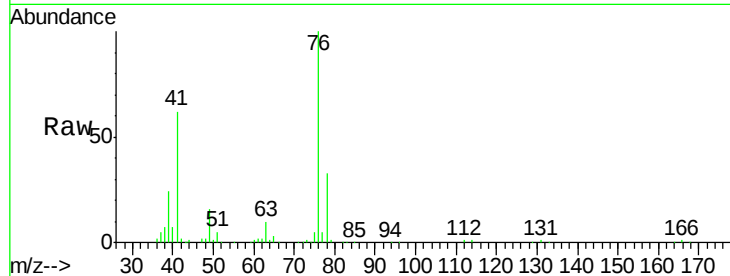
78 33.0 26.2 39.2

Manual Integrations

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MMDadoda

9/24/2019 10:05:53 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

60000

50000

40000

30000

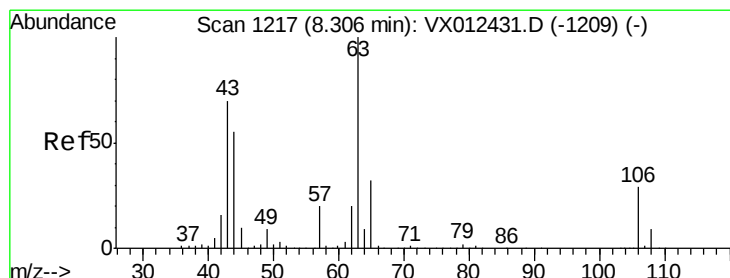
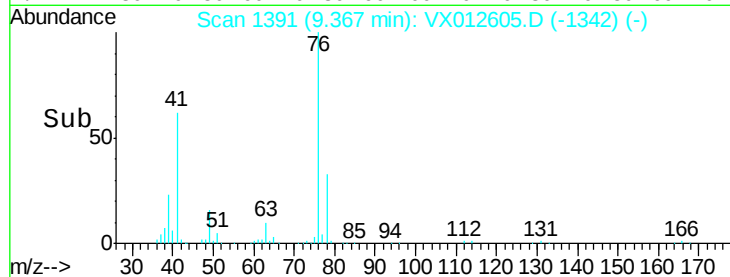
20000

10000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 107.384 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012605.D

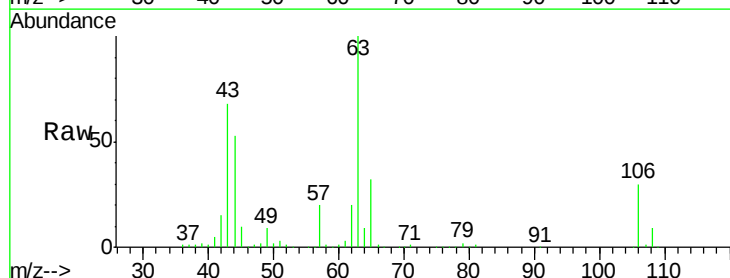
Acq: 23 Sep 2019 15:33

Tgt Ion: 63 Resp: 187644

Ion Ratio Lower Upper

63 100

106 29.0 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

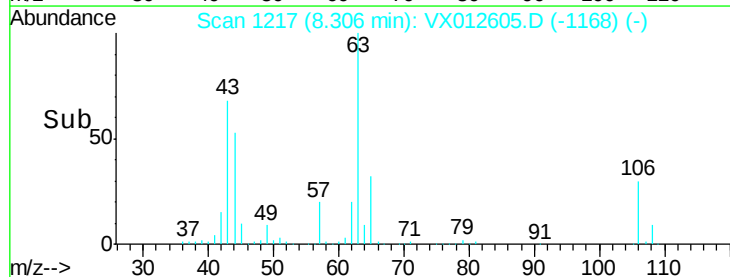
100000

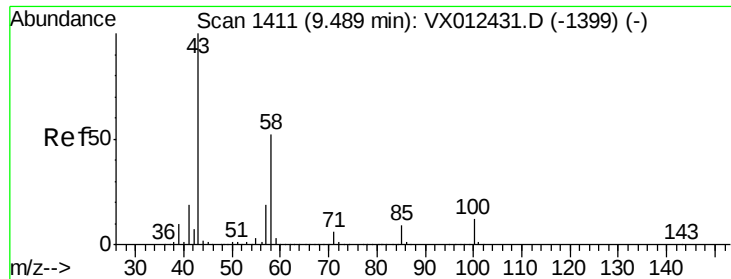
50000

0

8.20 8.25 8.30 8.35 8.40

Time-->





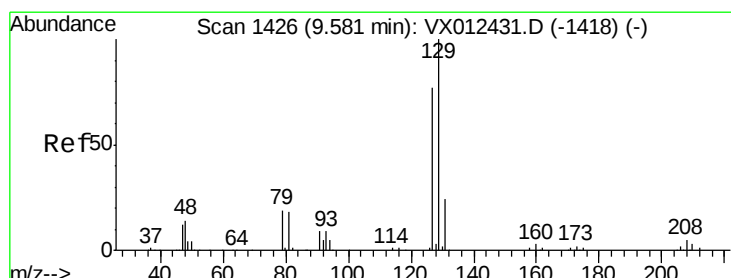
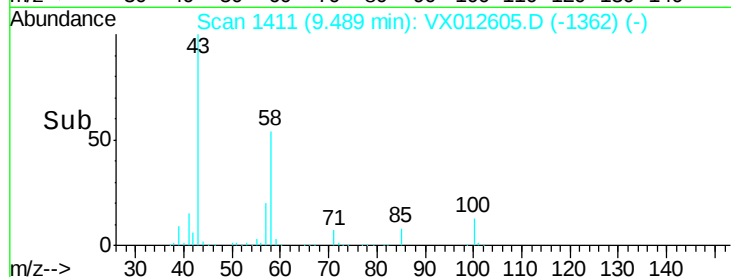
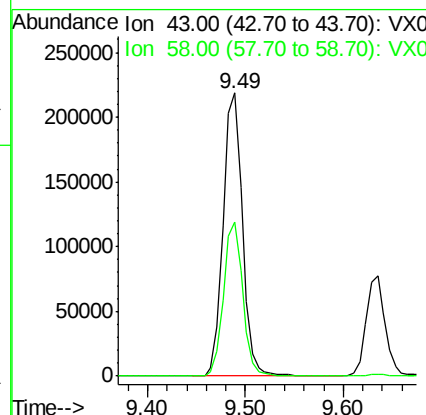
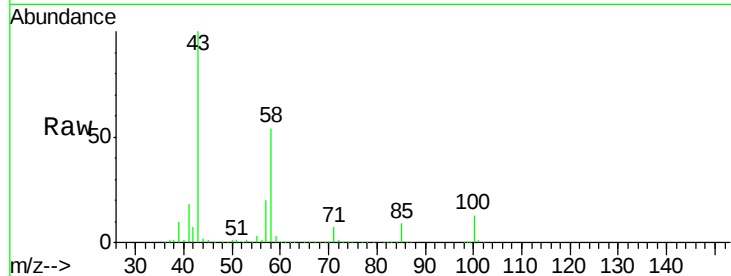
#59
2-Hexanone
Concen: 103.659 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS02

Tot Ion: 43 Resp: 301801
Ion Ratio Lower Upper
43 100
58 53.9 25.7 77.1

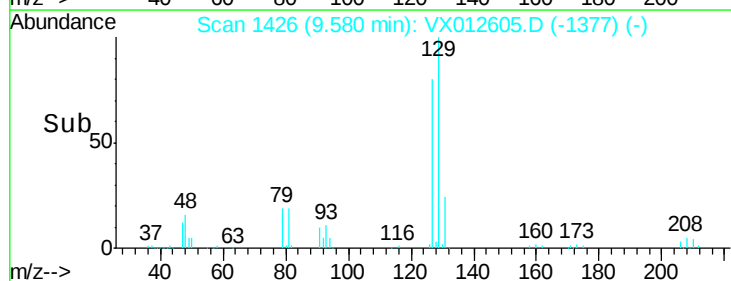
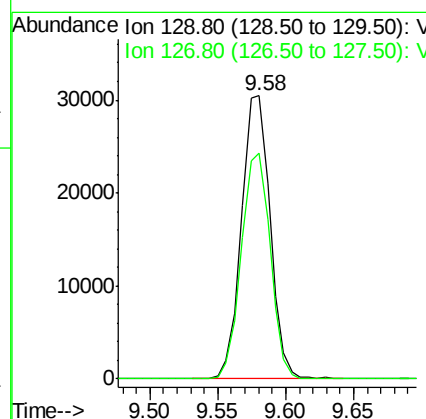
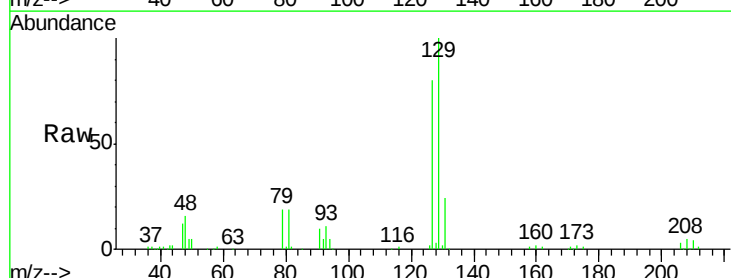
Manual Integrations
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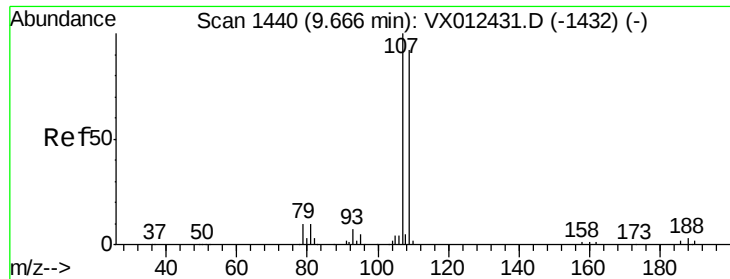
MMDadoda
9/24/2019 10:05:53 AM



#60
Dibromochloromethane
Concen: 19.168 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Tgt Ion: 129 Resp: 44961
Ion Ratio Lower Upper
129 100
127 80.4 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.215 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS02

Tot Ion:107 Resp: 48749

Ion Ratio Lower Upper

107 100

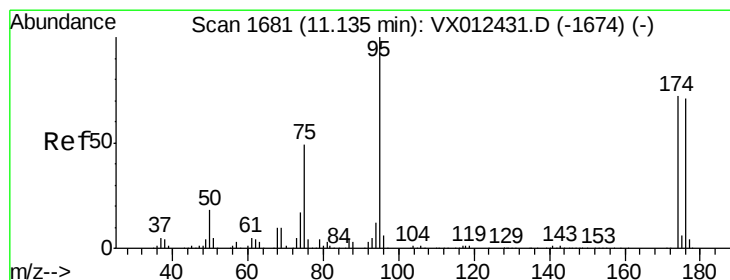
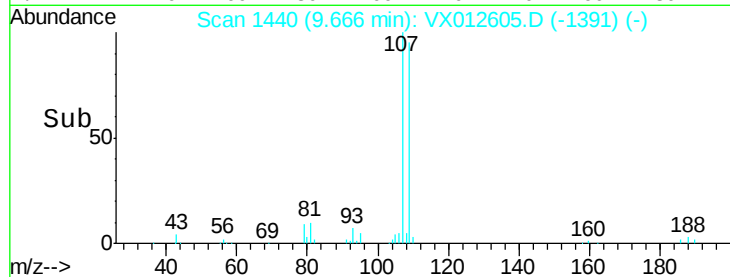
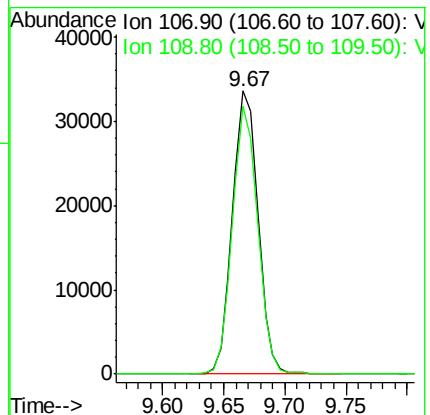
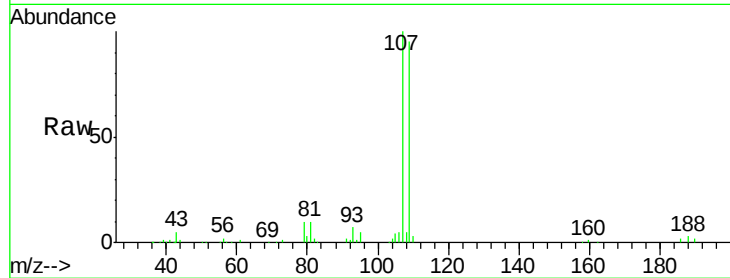
109 93.2 74.7 112.1

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 48.847 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

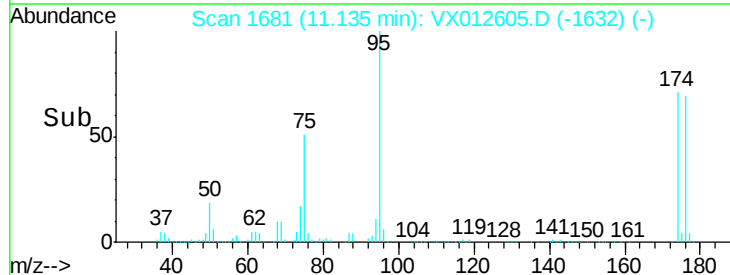
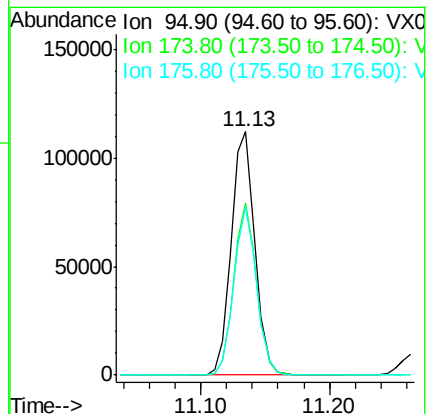
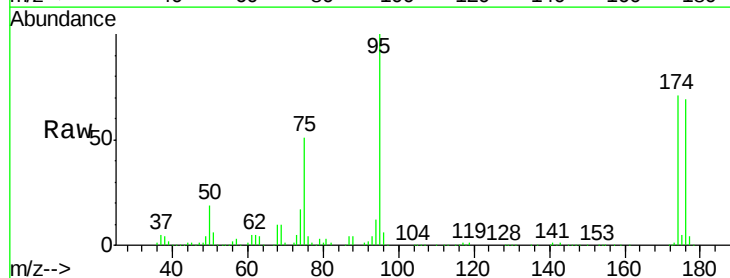
Tgt Ion: 95 Resp: 144036

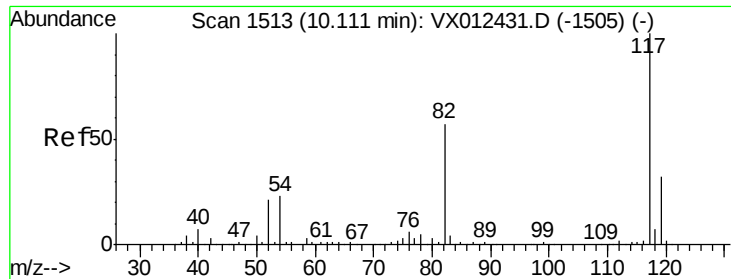
Ion Ratio Lower Upper

95 100

174 67.8 0.0 140.0

176 66.6 0.0 135.4





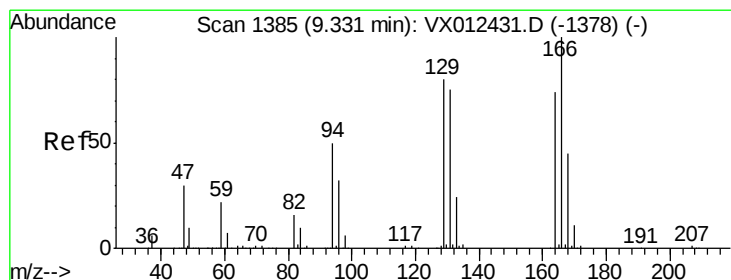
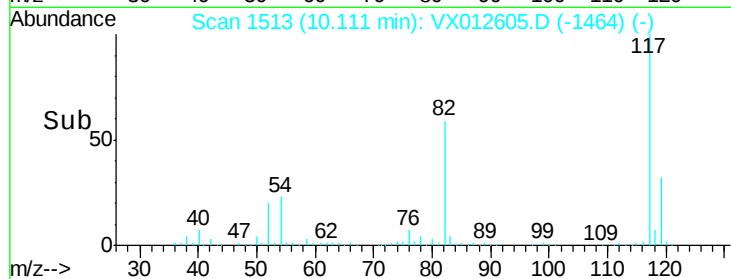
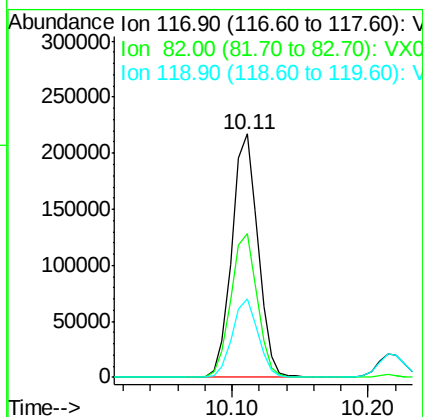
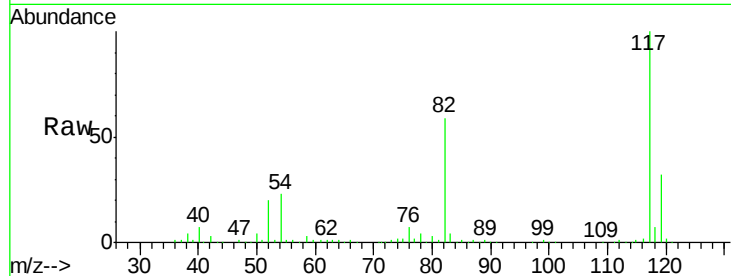
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	290199		
82	59.0	45.9	68.9	
119	32.4	25.3	37.9	

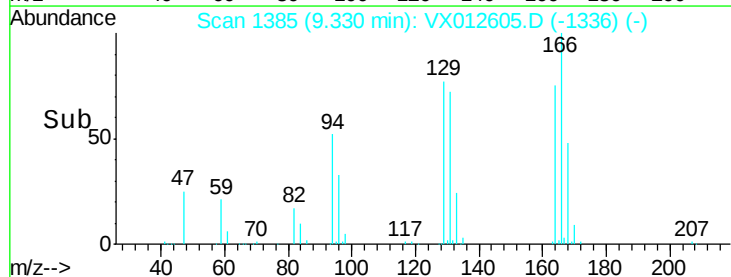
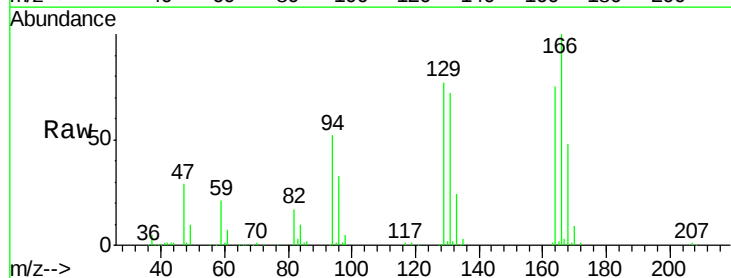
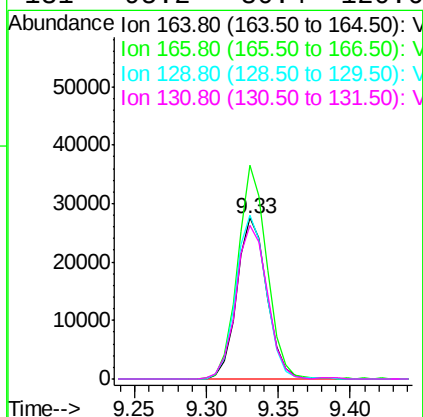
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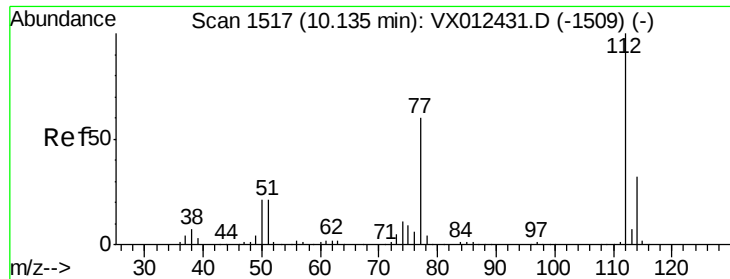
MMDadoda
9/24/2019 10:05:53 AM



#64
Tetrachloroethene
Concen: 19.625 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	39708		
166	132.6	107.8	161.6	
129	101.9	86.2	129.2	
131	95.2	80.4	120.6	





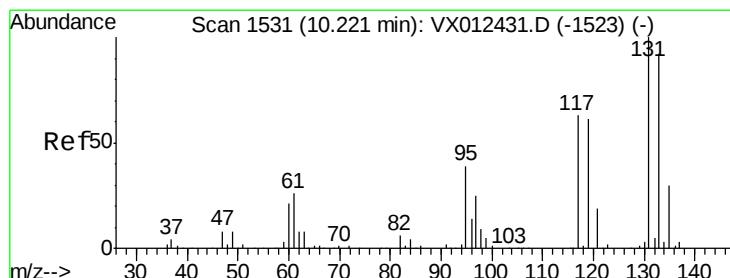
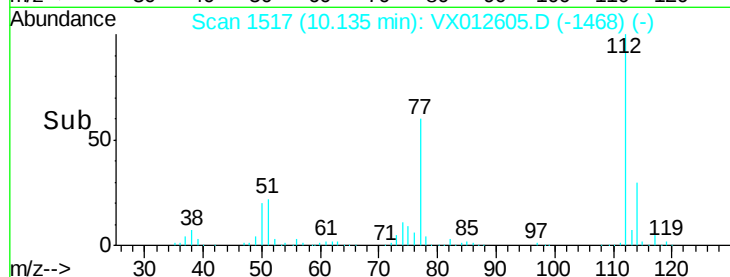
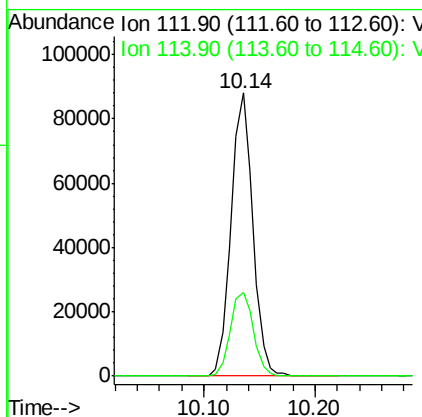
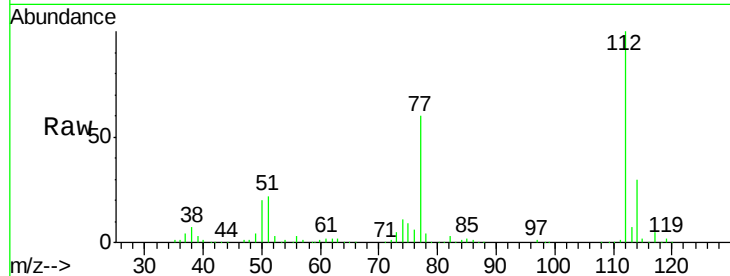
#65
Chlorobenzene
Concen: 19.490 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS02

Tot Ion:112 Resp: 119101
Ion Ratio Lower Upper
112 100
114 29.7 25.4 38.0

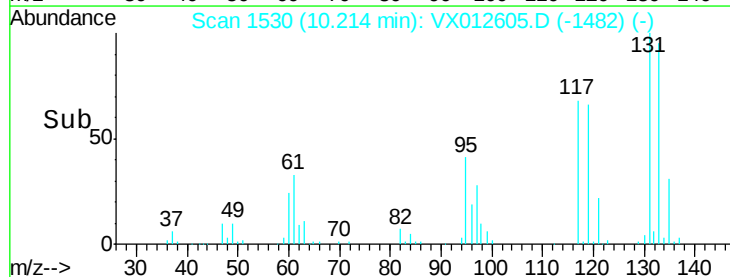
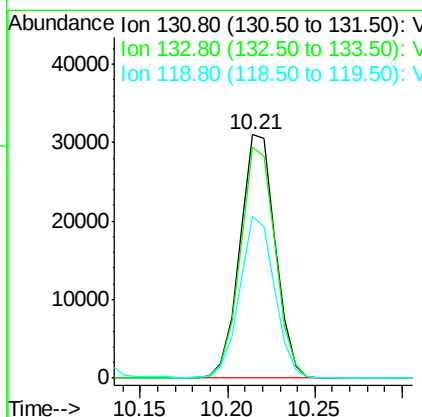
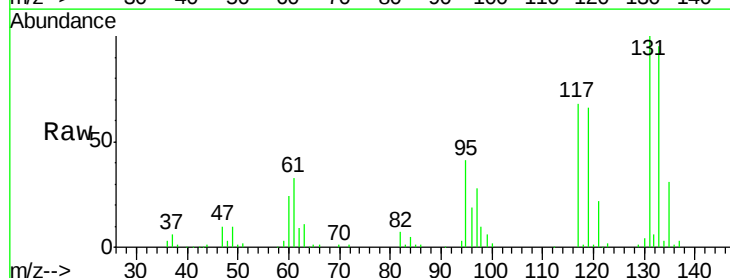
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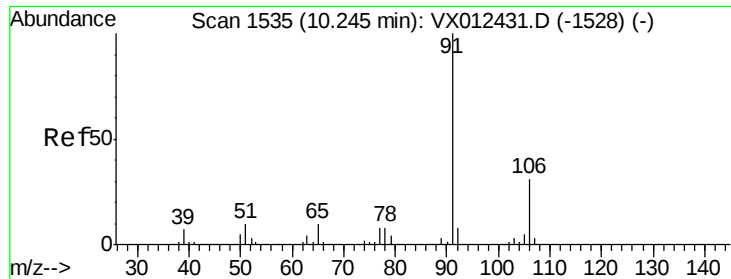
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.631 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Tgt Ion:131 Resp: 43466
Ion Ratio Lower Upper
131 100
133 93.9 47.6 142.9
119 65.7 31.3 93.8





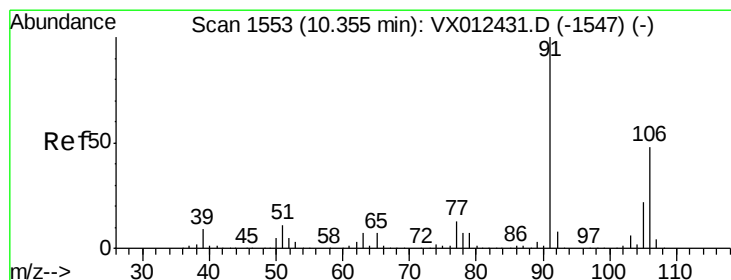
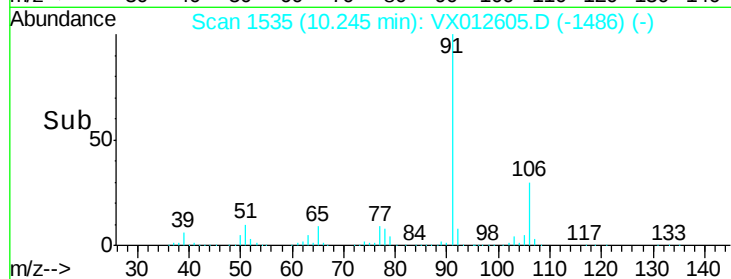
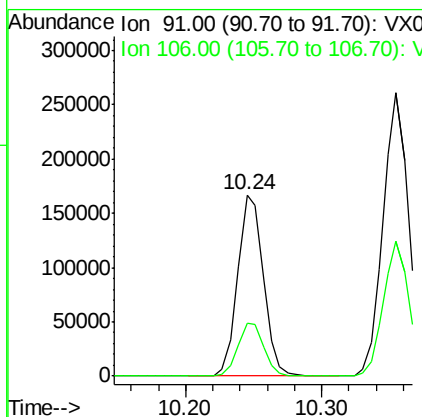
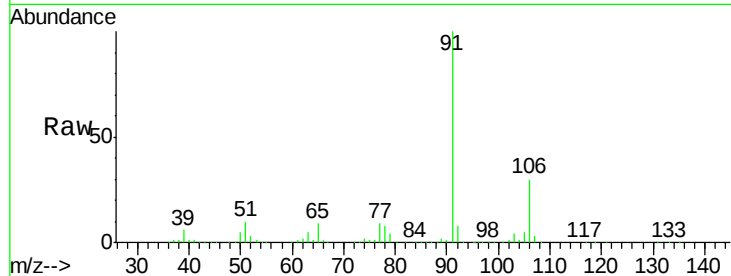
#67
Ethyl Benzene
Concen: 19.854 ug/l
RT: 10.24 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS02

Tot Ion: 91 Resp: 220061
Ion Ratio Lower Upper
91 100
106 29.6 24.6 37.0

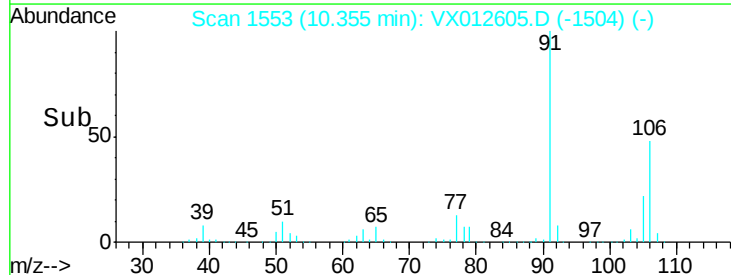
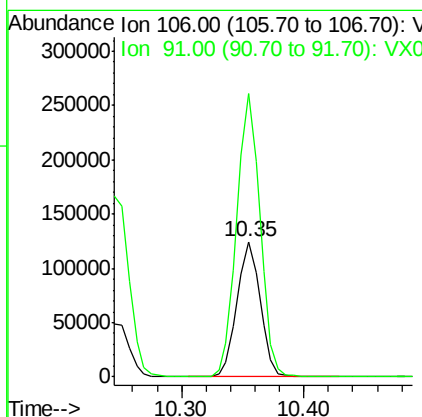
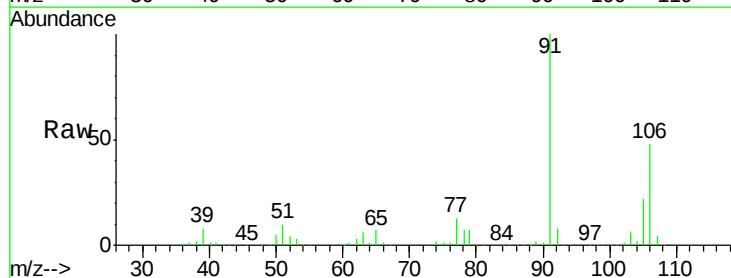
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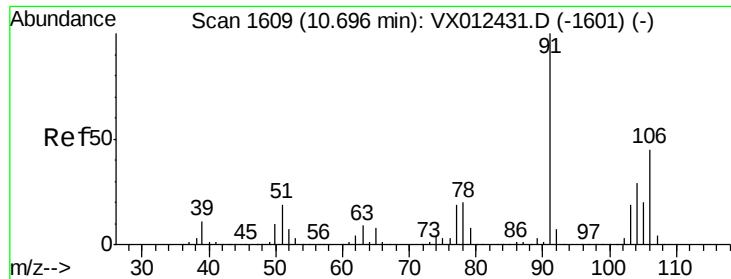
MMDadoda
9/24/2019 10:05:53 AM



#68
m/p-Xylenes
Concen: 39.399 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Tgt Ion: 106 Resp: 163582
Ion Ratio Lower Upper
106 100
91 209.8 166.6 250.0





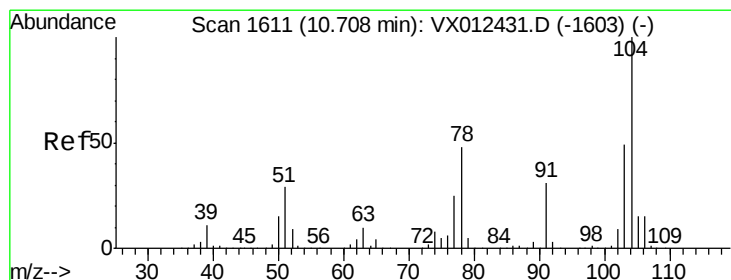
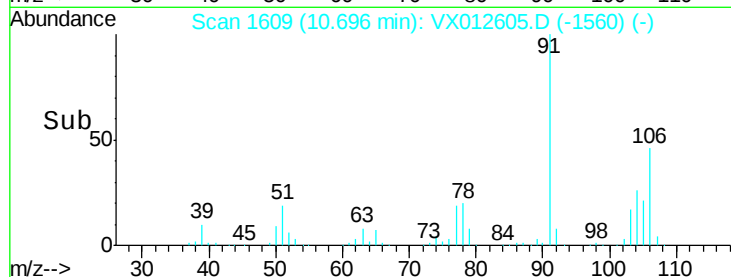
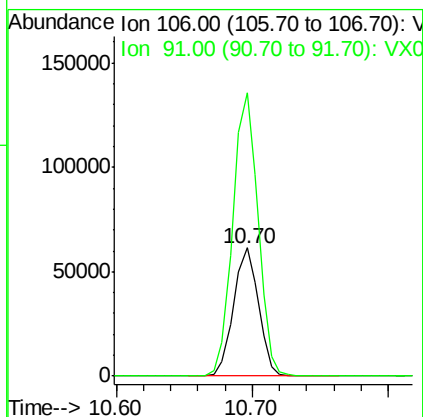
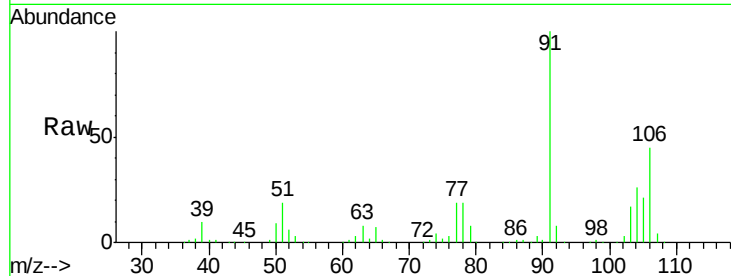
#69
o-Xylene
Concen: 19.557 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS02

Tot Ion:106 Resp: 78570
Ion Ratio Lower Upper
106 100
91 222.8 109.4 328.2

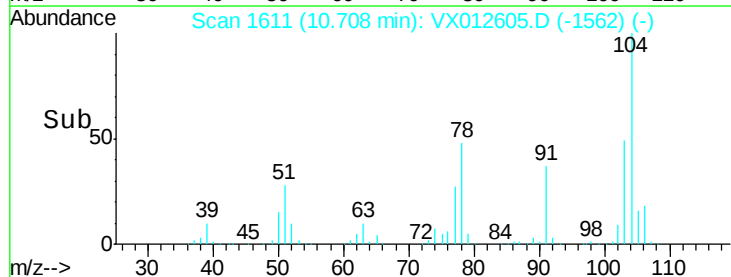
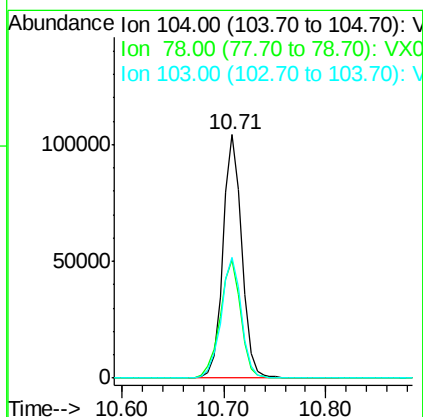
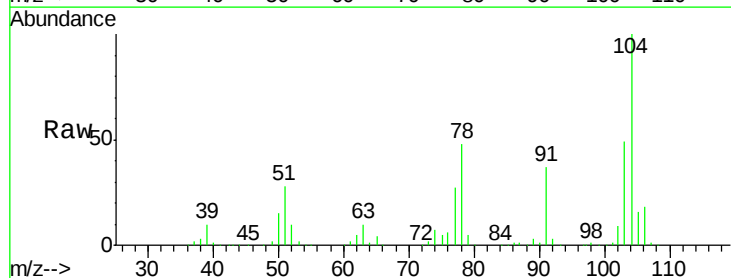
Manual Integrations
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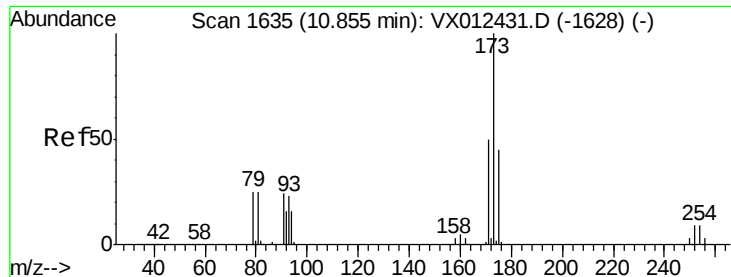
MMDadoda
9/24/2019 10:05:53 AM



#70
Styrene
Concen: 19.803 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Tgt Ion:104 Resp: 133372
Ion Ratio Lower Upper
104 100
78 53.6 43.4 65.2
103 53.8 43.3 64.9





#71

Bromoform

Concen: 18.864 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS02

Tot Ion:173 Resp: 29083

Ion Ratio Lower Upper

173 100

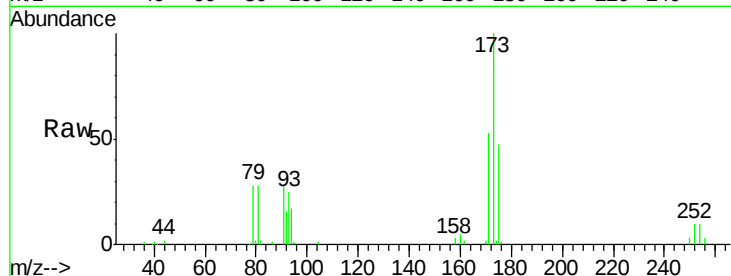
175 48.6 23.7 71.1

254 0.0 0.1 0.1#

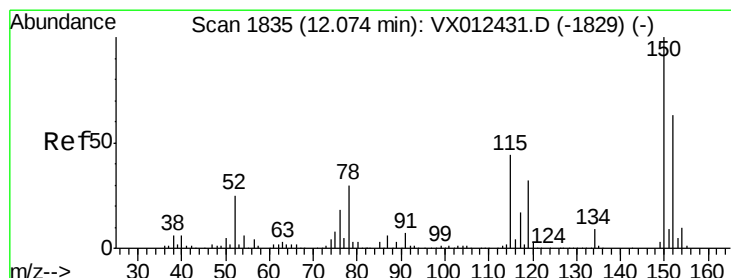
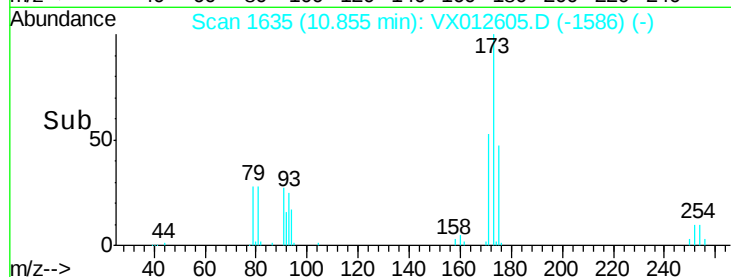
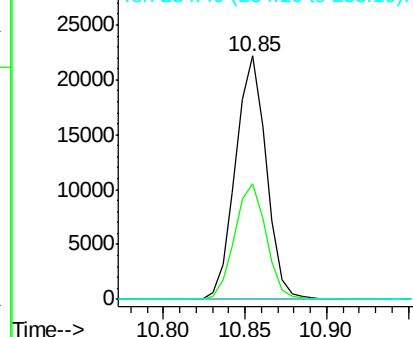
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

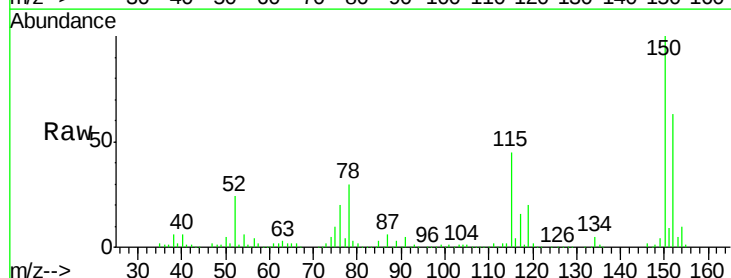
Tgt Ion:152 Resp: 130001

Ion Ratio Lower Upper

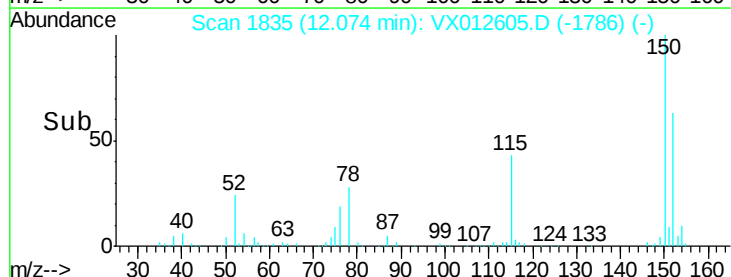
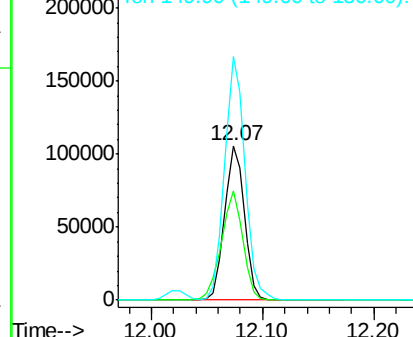
152 100

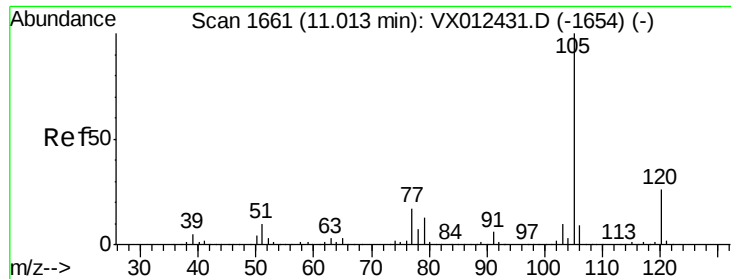
115 76.8 44.1 132.3

150 163.2 0.0 343.8



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





#73

Isopropylbenzene

Concen: 20.061 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS02

Tot Ion: 105 Resp: 212412

Ion Ratio Lower Upper

105 100

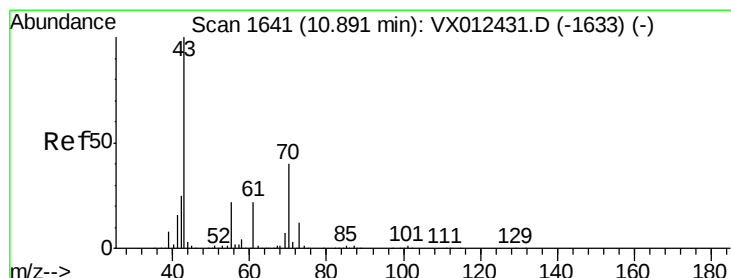
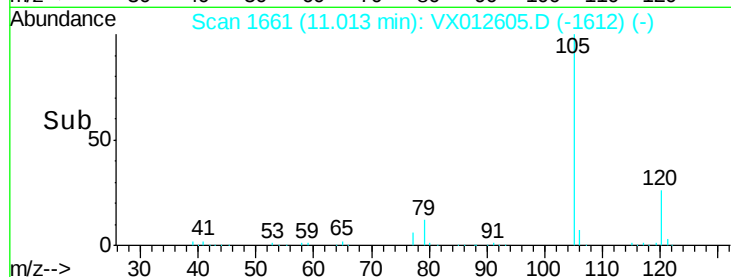
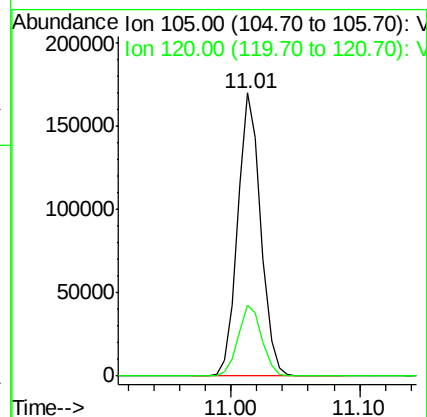
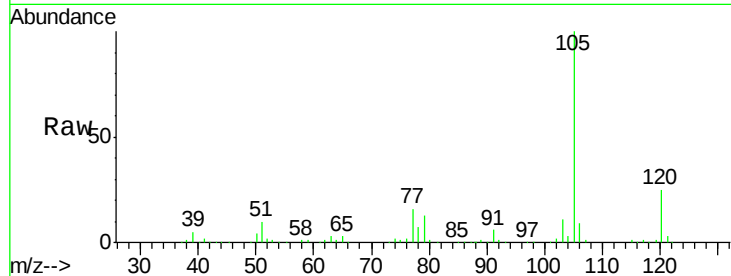
120 25.6 12.9 38.7

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#74

N-ethyl acetate

Concen: 20.226 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Tgt Ion: 43 Resp: 102169

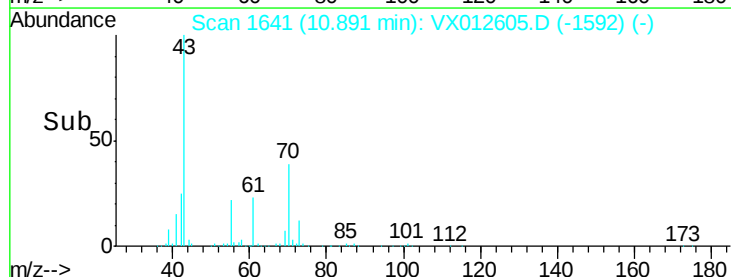
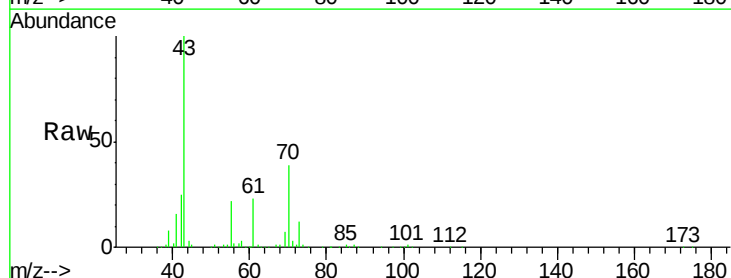
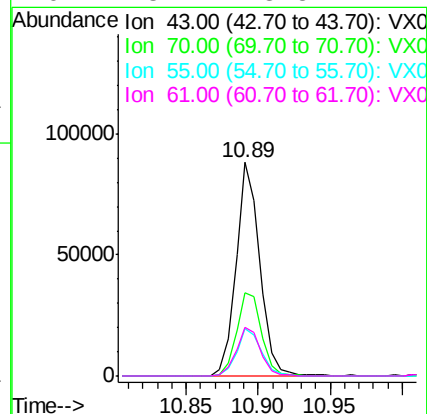
Ion Ratio Lower Upper

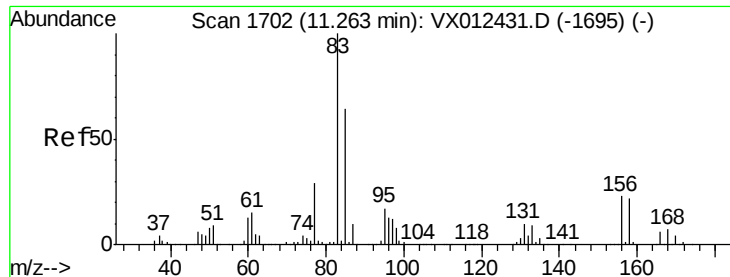
43 100

70 41.2 32.4 48.6

55 22.9 18.2 27.4

61 23.2 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.086 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Instrument :

MSVOA_X

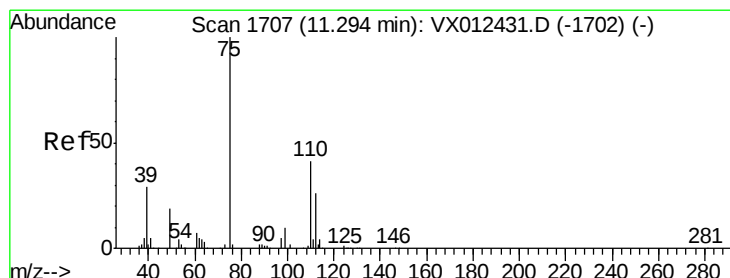
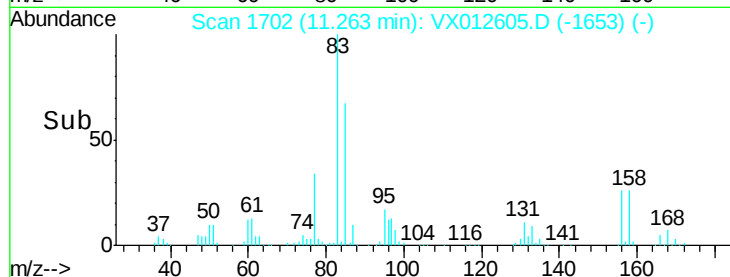
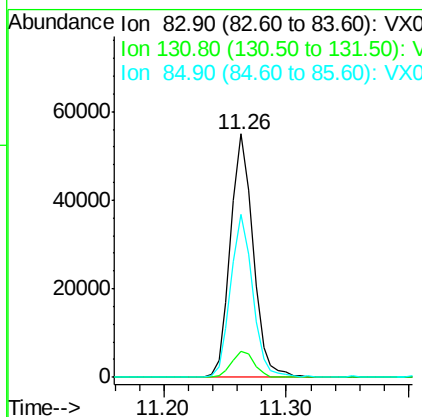
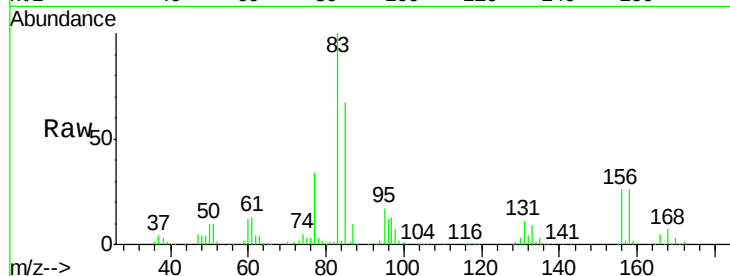
ClientSampleId :

VX0923WBS02

Tot Ion:	83	Resp:	70434
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.2	15.6
85	65.4	32.0	96.0

Manual Integrations
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MMDadoda
9/24/2019 10:05:53 AM



#76

1,2,3-Trichloropropane

Concen: 20.388 ug/l m

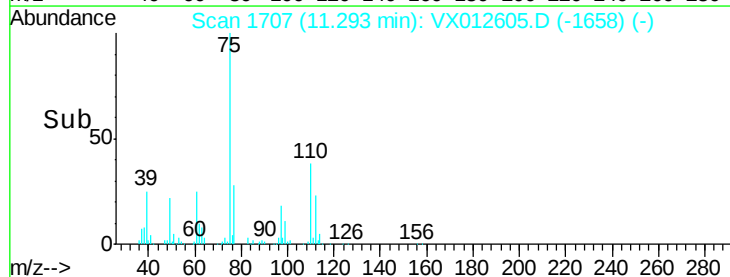
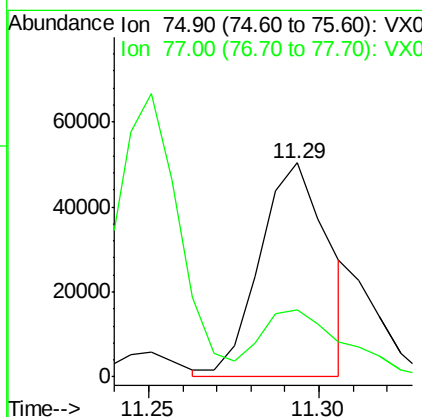
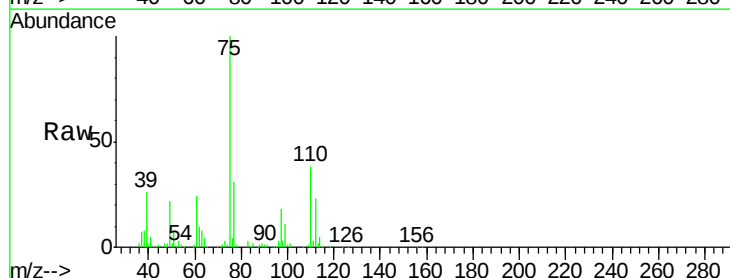
RT: 11.29 min Scan# 1707

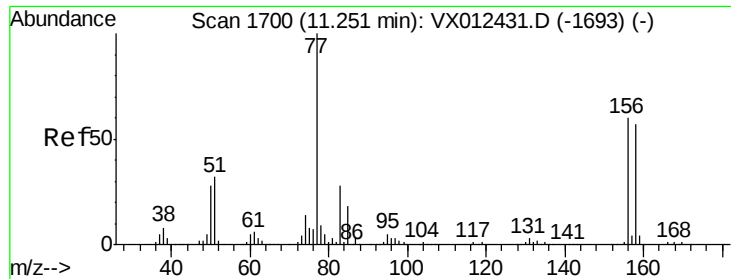
Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Tgt Ion:	75	Resp:	70110
Ion Ratio	Lower	Upper	
75	100		
77	38.3	19.7	59.0





#77

Bromobenzene

Concen: 19.782 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Instrument :

MSVOA_X

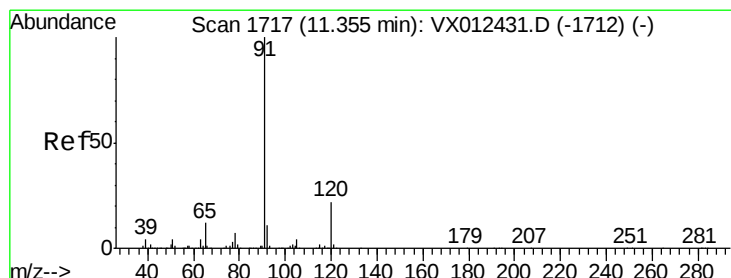
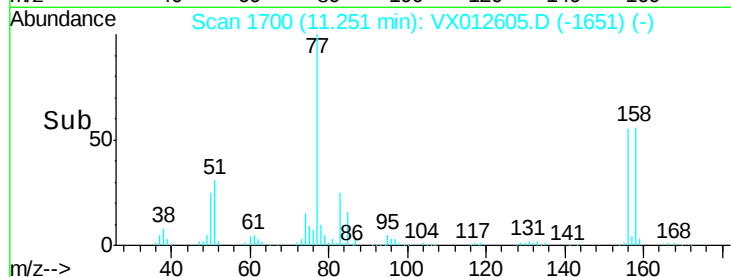
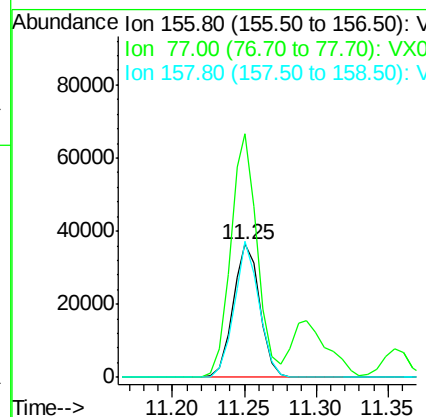
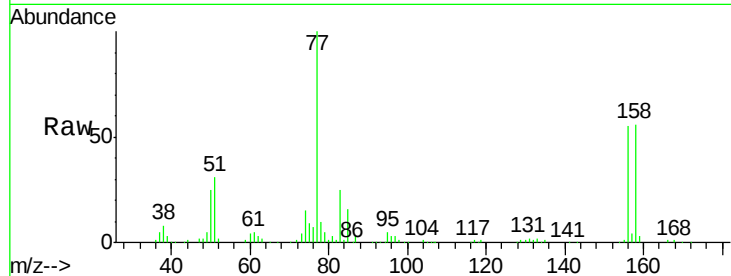
ClientSampleId :

VX0923WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		47406		
77	181.9	87.3	261.8		
158	95.5	48.5	145.6		

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#78

n-propylbenzene

Concen: 19.803 ug/l

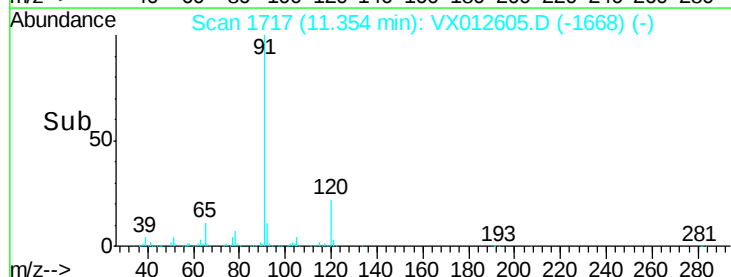
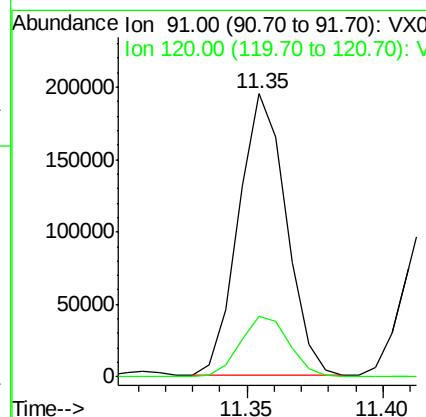
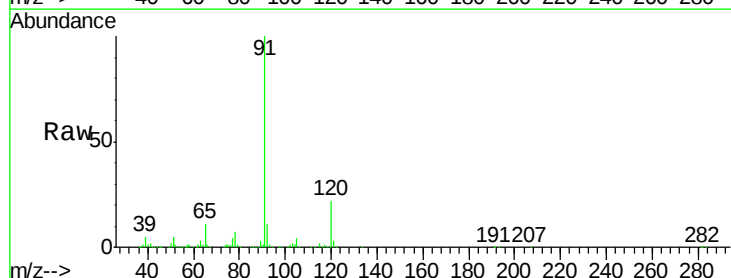
RT: 11.35 min Scan# 1717

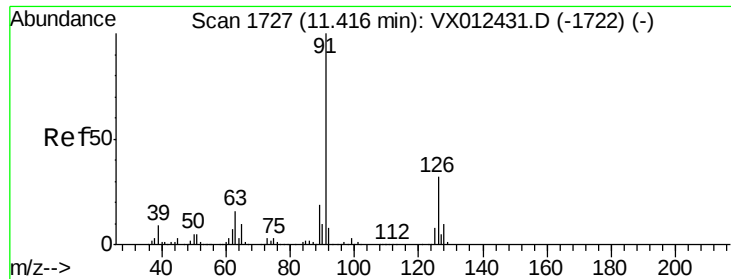
Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		236058		
120	22.1	11.3	33.8		





#79

2-Chlorotoluene

Concen: 19.753 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS02

Tot Ion: 91 Resp: 146887

Ion Ratio Lower Upper

91 100

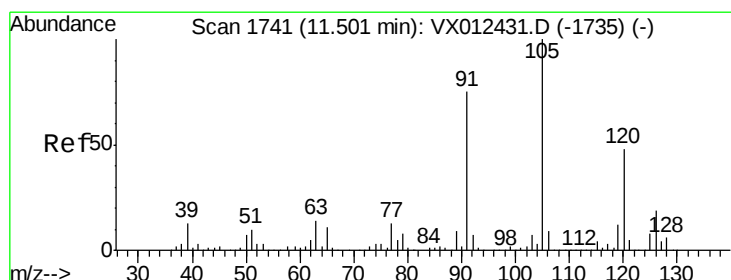
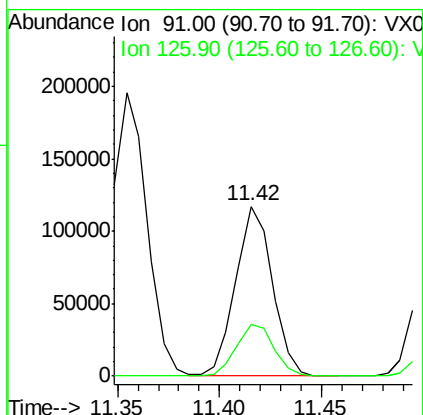
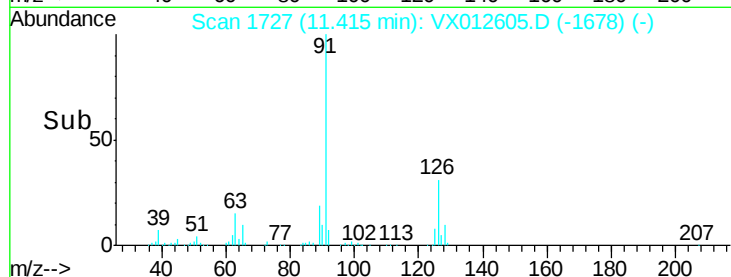
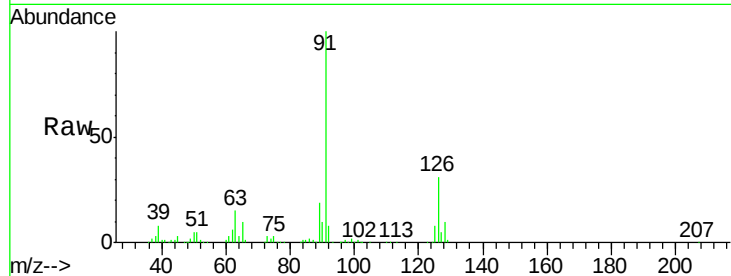
126 31.2 16.4 49.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.074 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012605.D

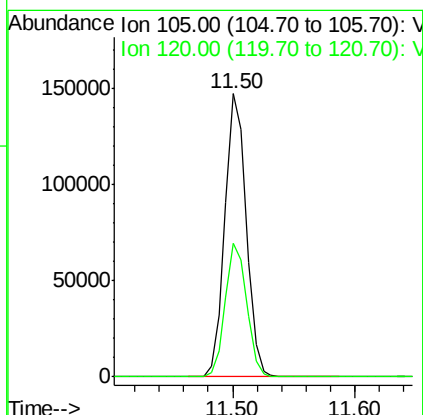
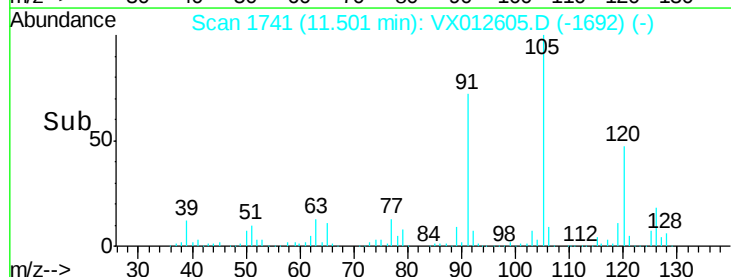
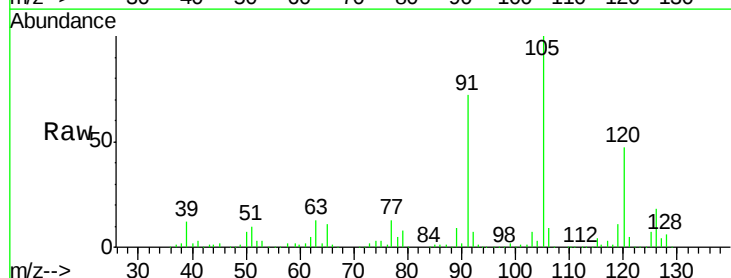
Acq: 23 Sep 2019 15:33

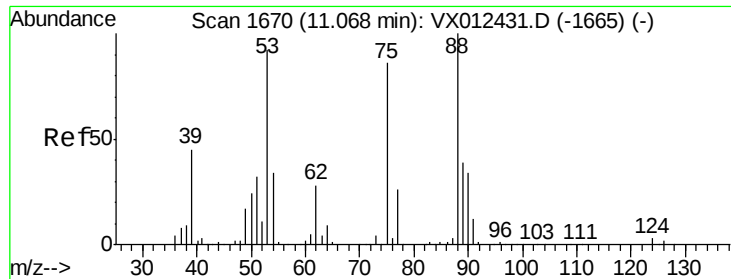
Tgt Ion: 105 Resp: 178234

Ion Ratio Lower Upper

105 100

120 47.1 24.3 72.8





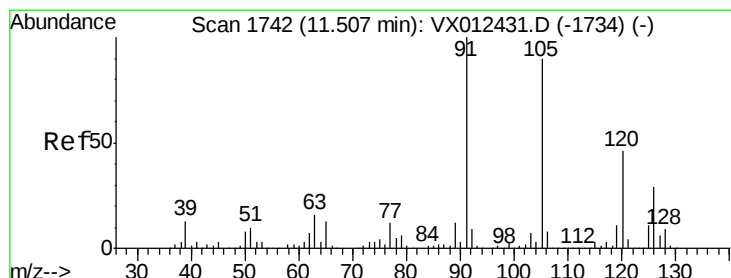
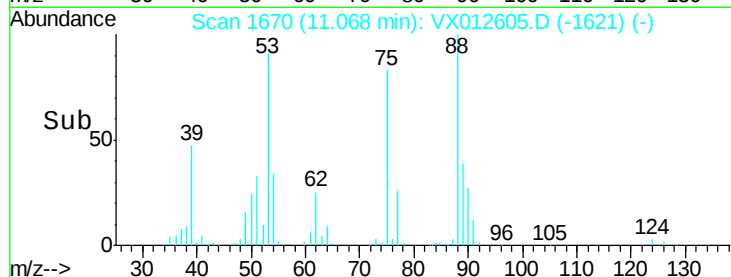
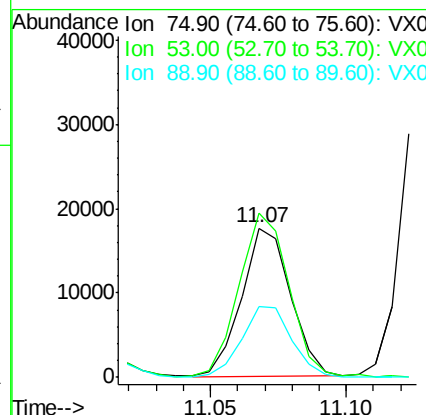
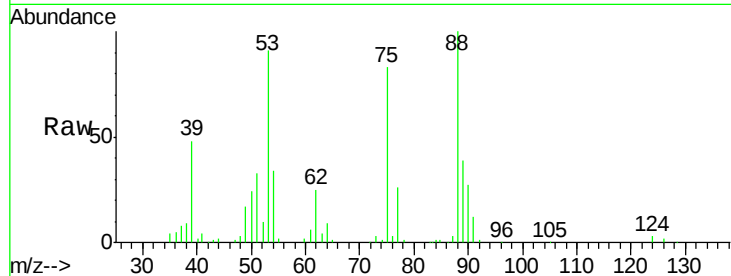
#81
trans-1,4-Dichloro-2-butene
Concen: 18.340 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.2	83.6	125.4
89	48.8	36.3	54.5

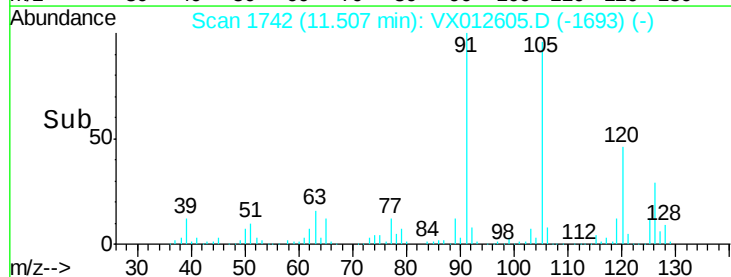
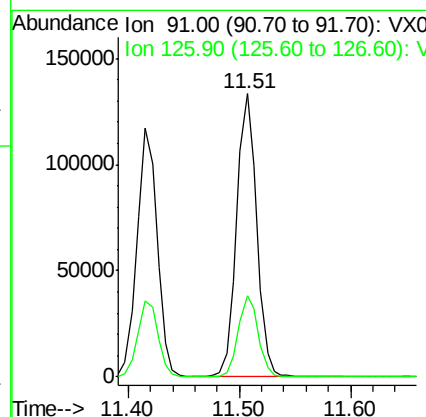
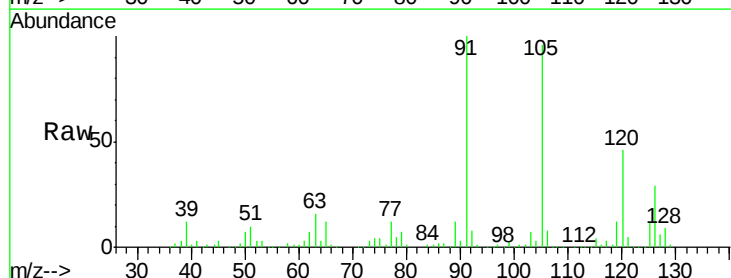
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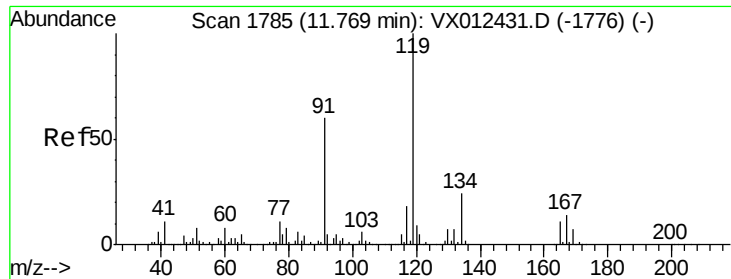
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.588 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.4	43.0





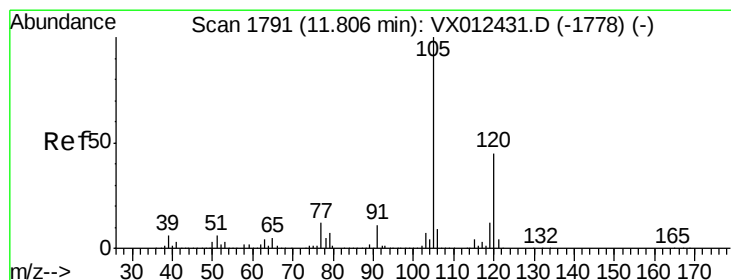
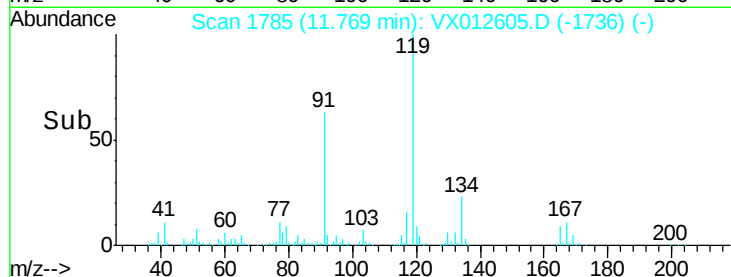
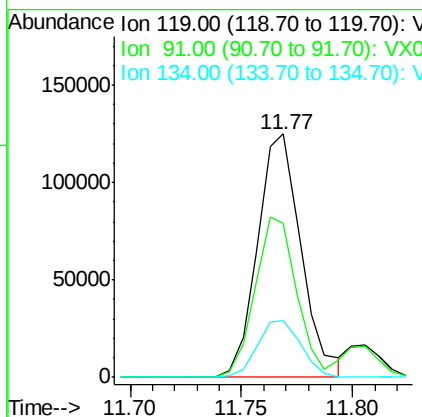
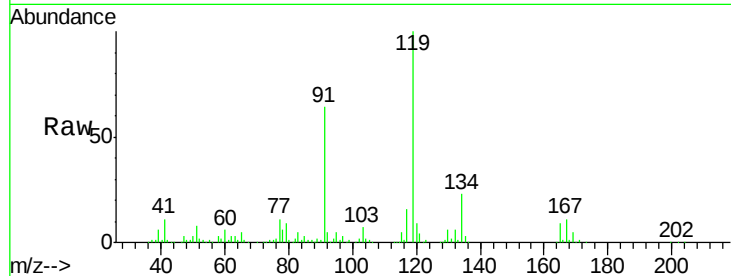
#83
 tert-Butylbenzene
 Concen: 19.884 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: VX012605.D
 Acq: 23 Sep 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	170310		
91	62.8	30.0	90.0	
134	23.1	11.3	33.9	

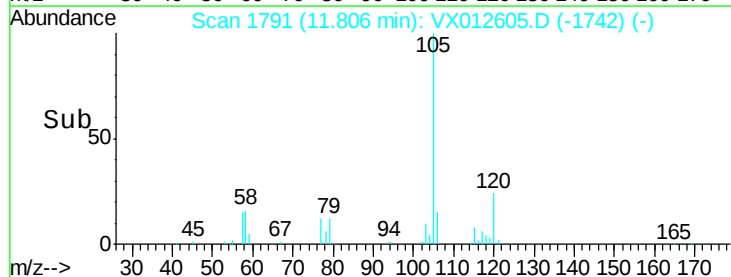
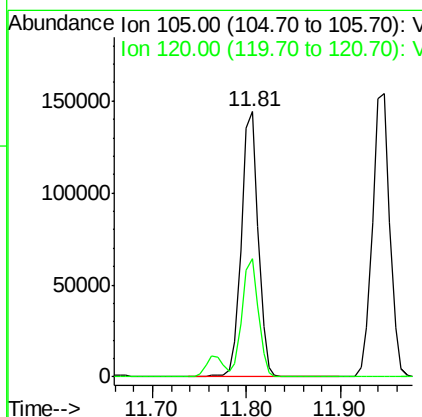
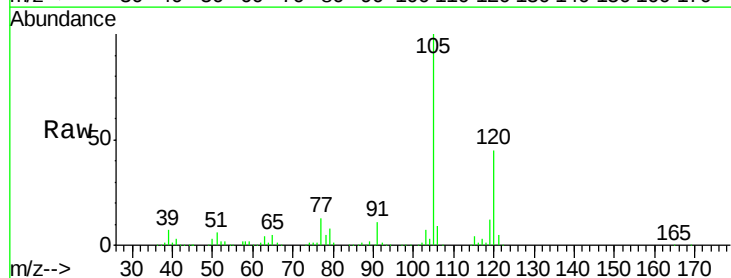
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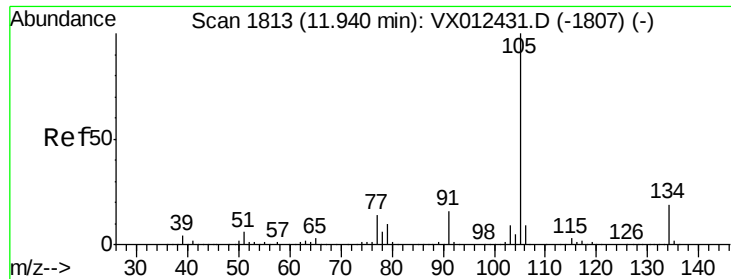
MMDadoda
 9/24/2019 10:05:53 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.016 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX012605.D
 Acq: 23 Sep 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	179285		
120	43.6	22.2	66.6	





#85

sec-Butylbenzene

Concen: 19.770 ug/l

RT: 11.95 min Scan# 1814

Delta R.T. 0.01 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBS02

Tot Ion:105 Resp: 196951

Ion Ratio Lower Upper

105 100

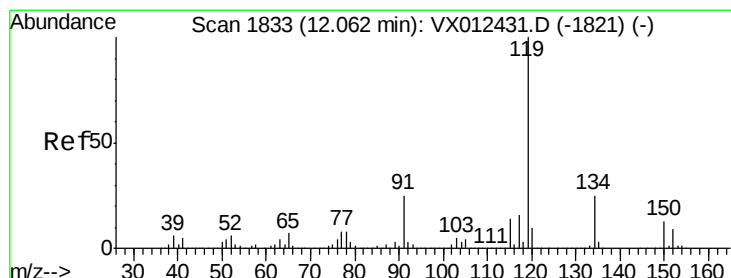
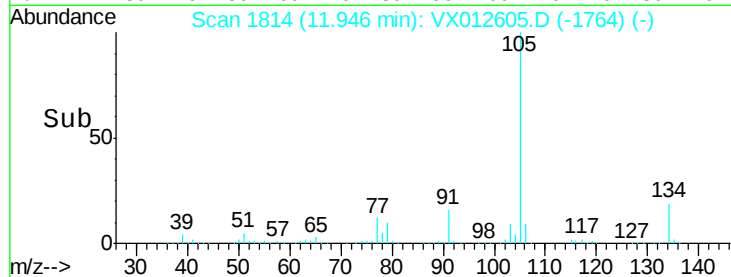
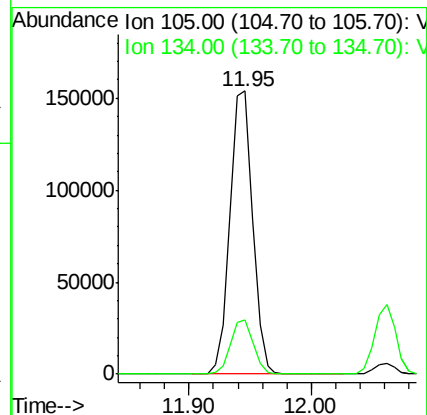
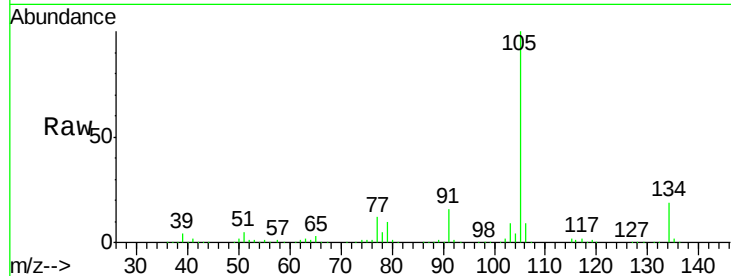
134 19.2 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 20.163 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012605.D

Acq: 23 Sep 2019 15:33

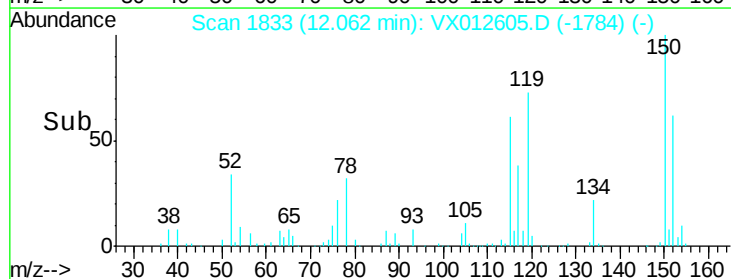
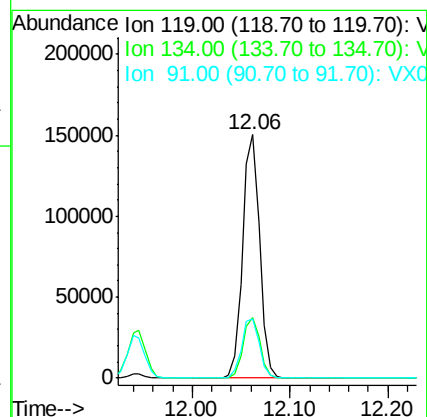
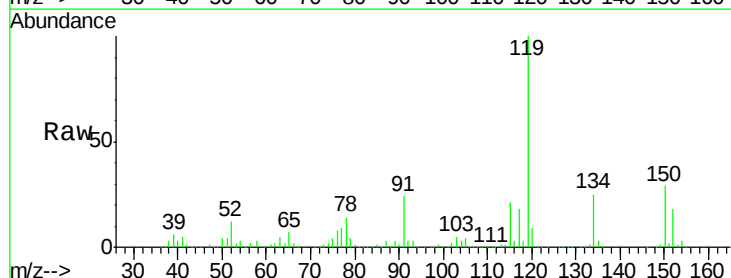
Tgt Ion:119 Resp: 181247

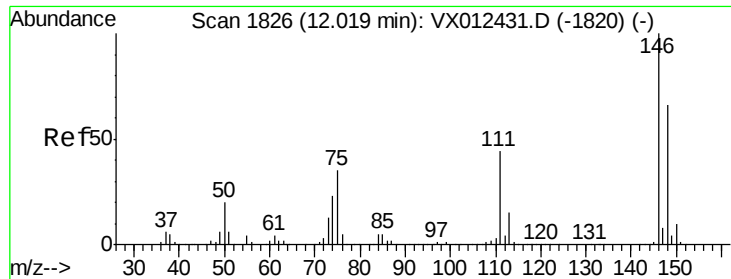
Ion Ratio Lower Upper

119 100

134 24.9 12.7 38.1

91 25.5 12.8 38.4





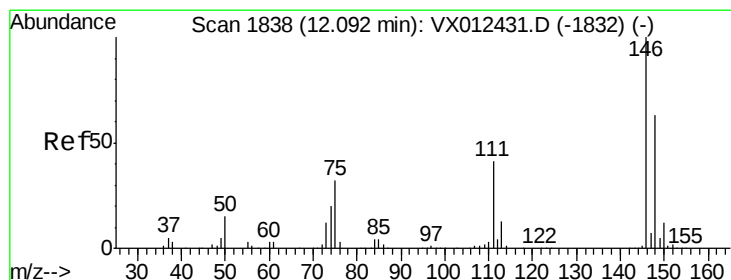
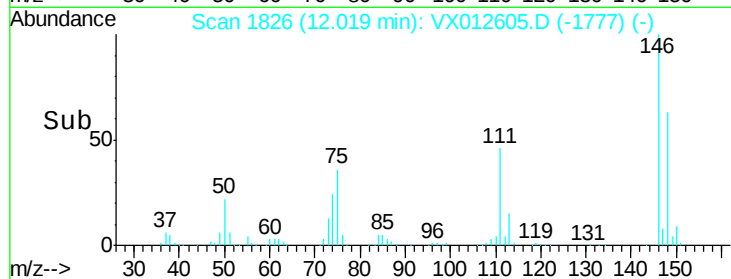
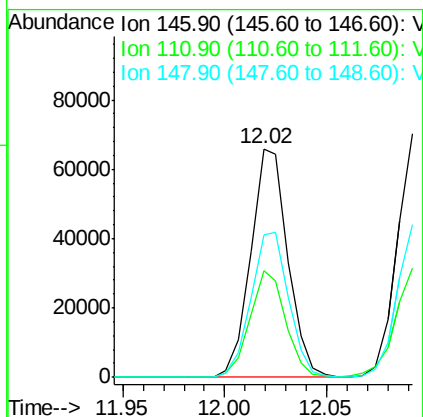
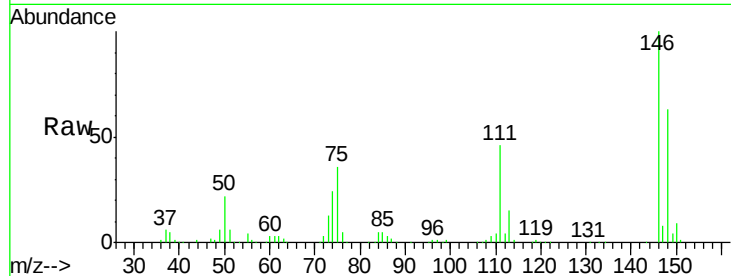
#87
 1,3-Dichlorobenzene
 Concen: 19.334 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012605.D
 Acq: 23 Sep 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.3	64.0
148	64.8	32.4	97.2

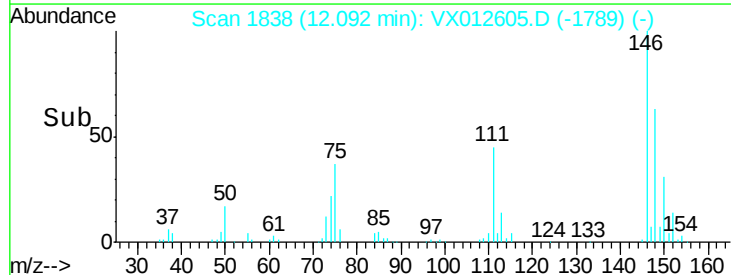
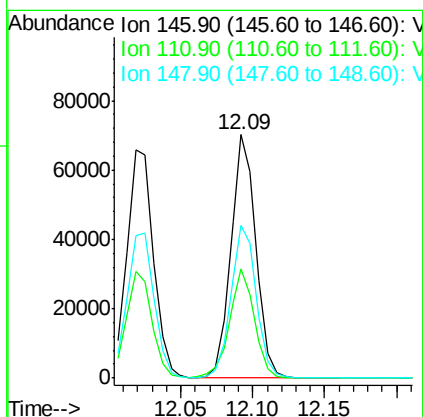
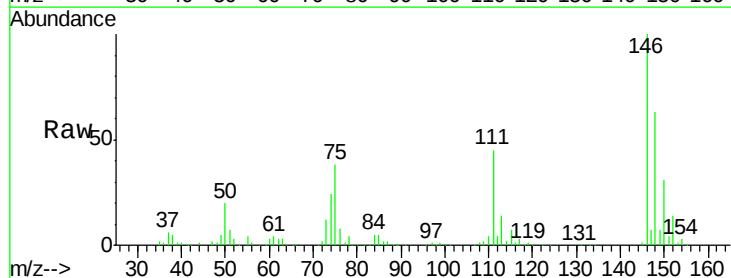
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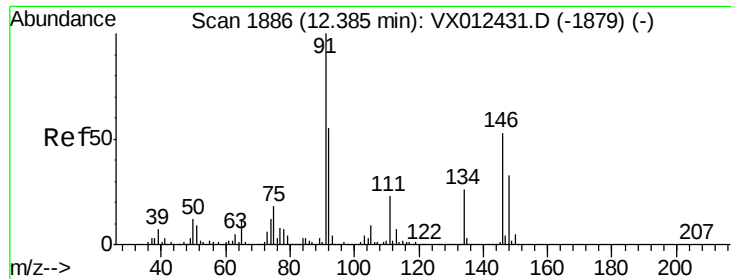
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#88
 1,4-Dichlorobenzene
 Concen: 19.552 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012605.D
 Acq: 23 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.1	63.3
148	64.0	32.1	96.5





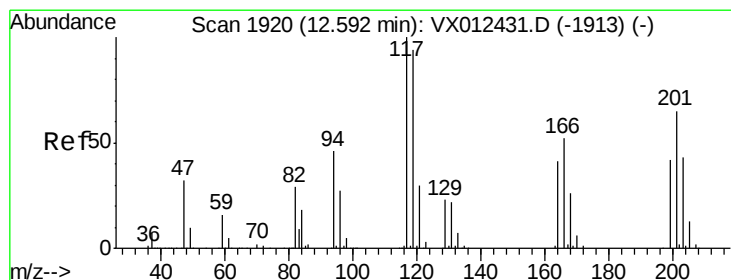
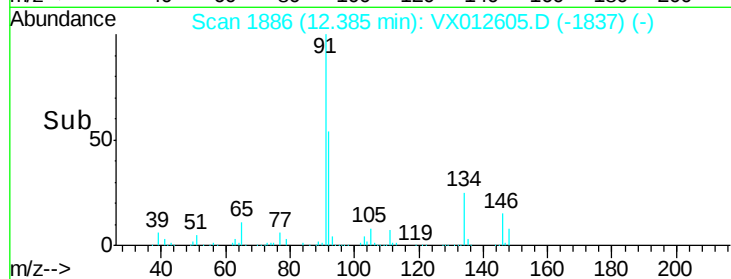
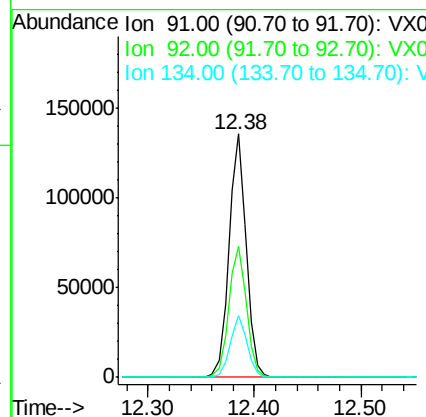
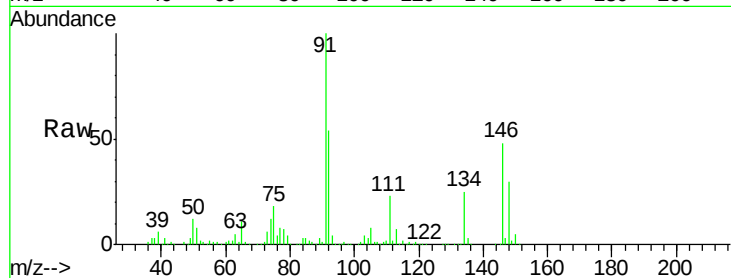
#89
n-Butylbenzene
Concen: 19.265 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.7	83.0
134	25.0	12.9	38.6

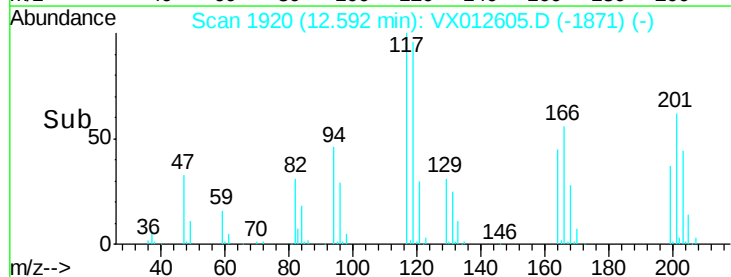
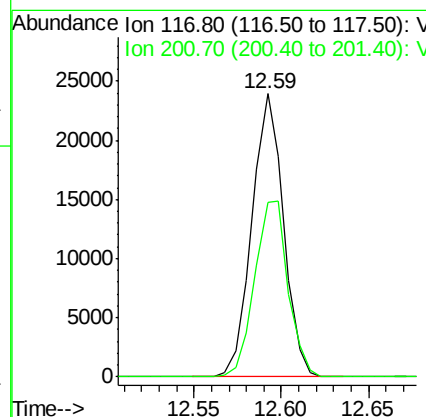
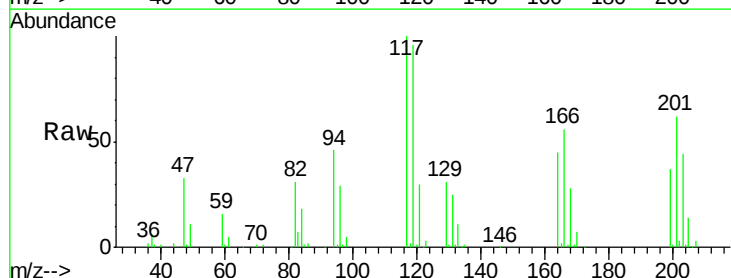
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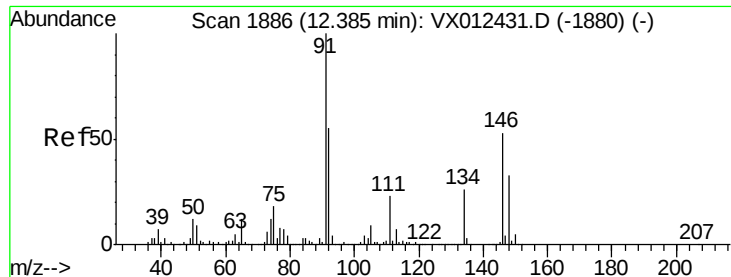
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#90
Hexachloroethane
Concen: 18.670 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.1	33.3	99.8





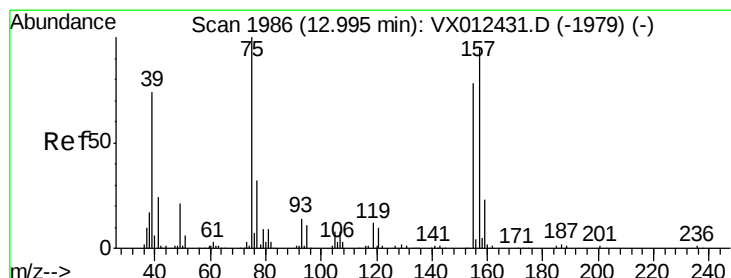
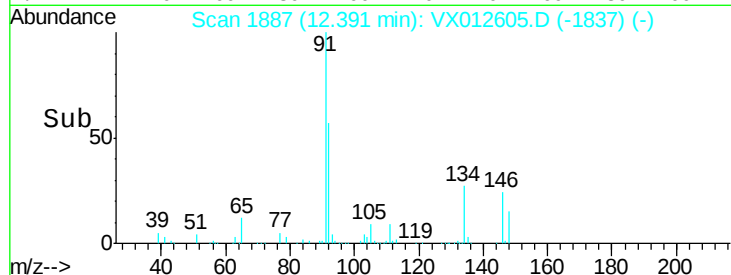
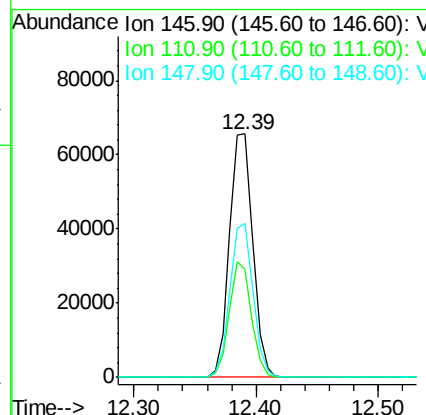
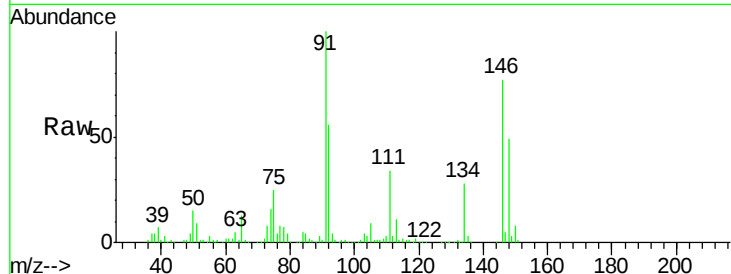
#91
 1,2-Dichlorobenzene
 Concen: 20.082 ug/l
 RT: 12.39 min Scan# 1887
 Delta R.T. 0.01 min
 Lab File: VX012605.D
 Acq: 23 Sep 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.1	66.1
148	62.7	31.3	93.9

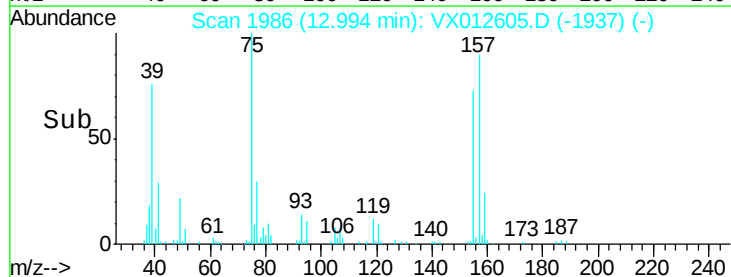
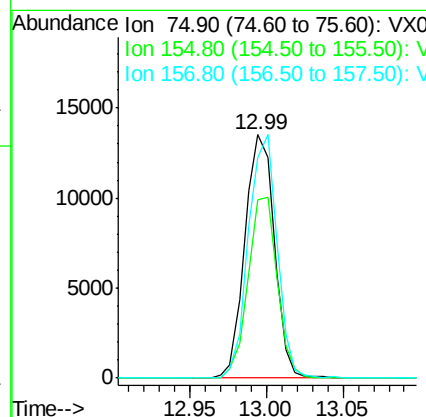
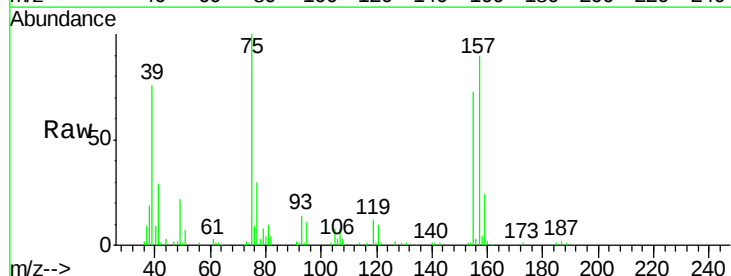
Manual Integrations
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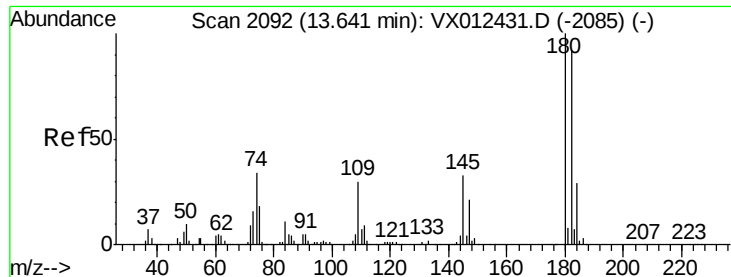
MMDadoda
 9/24/2019 10:05:53 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.613 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012605.D
 Acq: 23 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.5	38.6	115.8
157	97.0	50.6	151.9





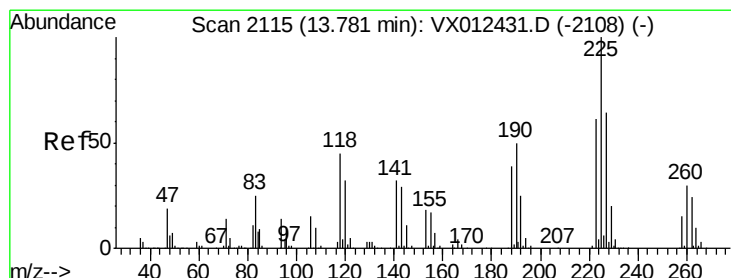
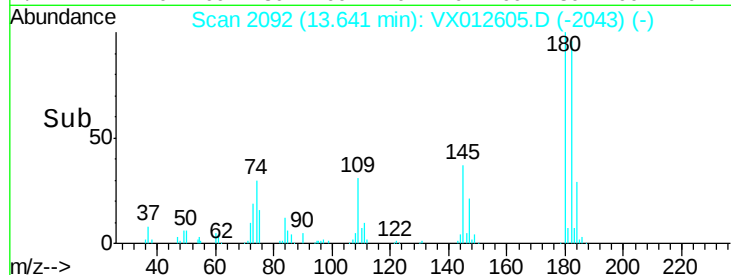
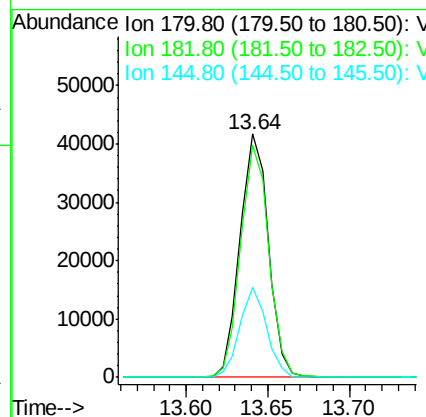
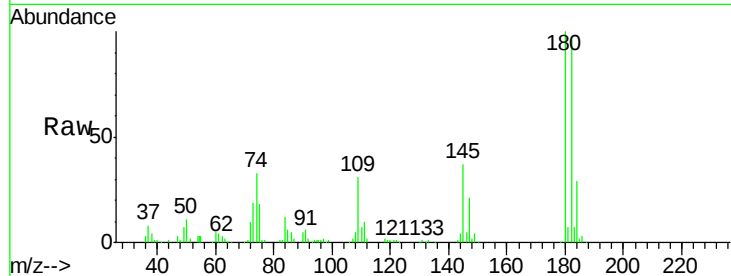
#93
 1,2,4-Trichlorobenzene
 Concen: 19.210 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012605.D
 Acq: 23 Sep 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	50581		
182	94.8	47.0	141.0	
145	35.1	16.8	50.4	

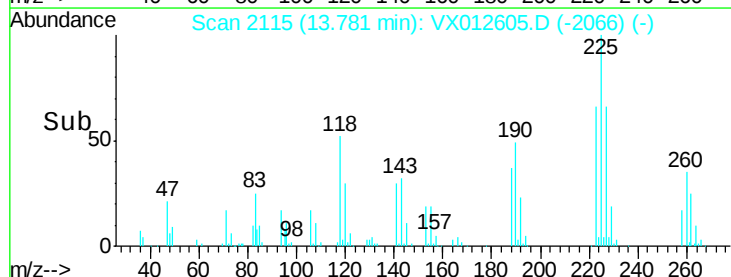
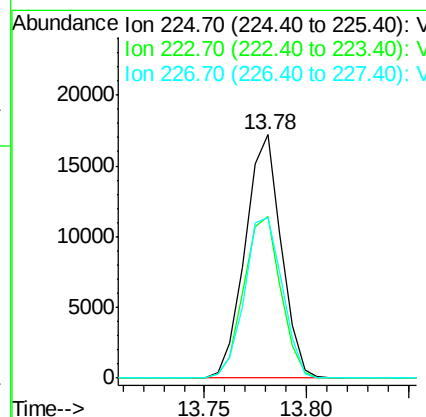
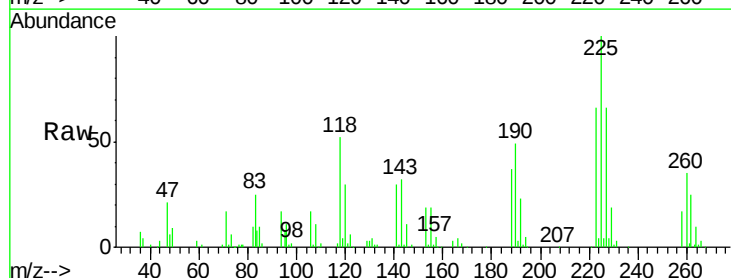
Manual Integrations
 APPROVED

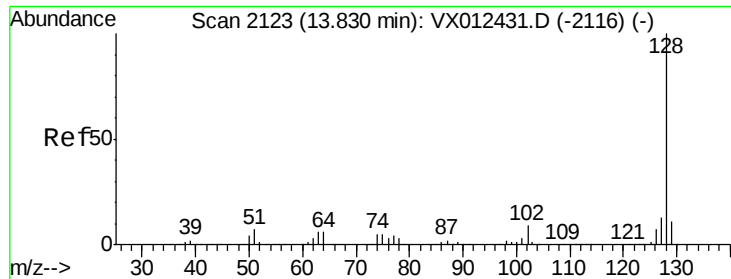
MMDadoda
 9/24/2019 10:05:53 AM



#94
 Hexachlorobutadiene
 Concen: 18.649 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012605.D
 Acq: 23 Sep 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21125		
223	67.9	32.0	96.2	
227	68.9	31.9	95.5	





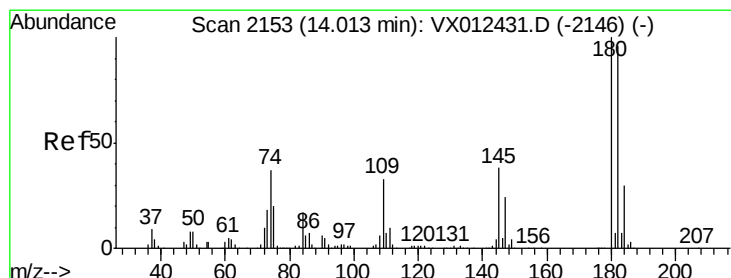
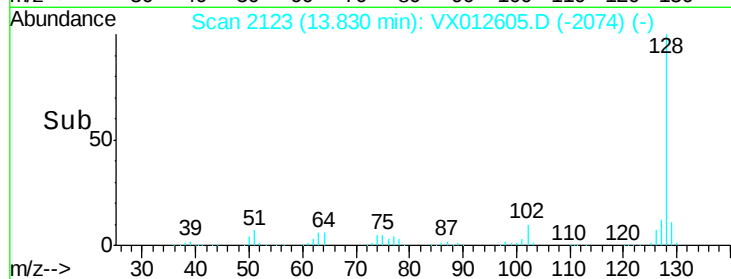
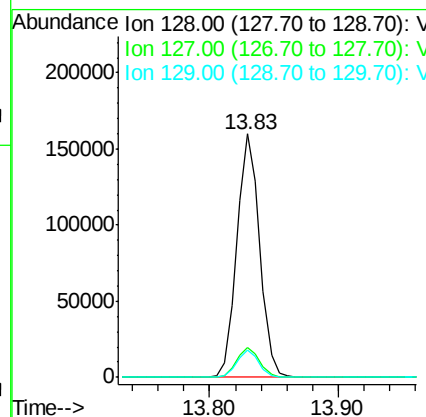
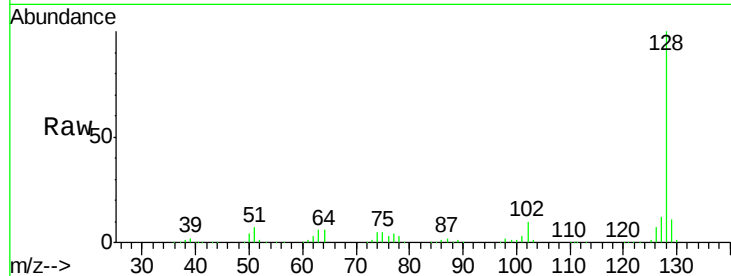
#95
Naphthalene
Concen: 20.711 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/24/2019 10:05:53 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.528 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX012605.D
Acq: 23 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.1	141.3
145	36.2	18.0	54.0

