

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092319\
 Data File : VX012598.D
 Acq On : 23 Sep 2019 11:42
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 10:07:19 AM

Quant Time: Sep 23 12:15:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 11:56:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	195535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	349195	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	318048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	150904	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	283873	100.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.28%	
35) Dibromofluoromethane	5.48	113	214777	101.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.56%	
50) Toluene-d8	8.71	98	806951	102.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.48%	
62) 4-Bromofluorobenzene	11.14	95	330882	102.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	212813	163.802	ug/l	99
3) Chloromethane	1.32	50	237887	185.343	ug/l	98
4) Vinyl Chloride	1.40	62	254246	187.574	ug/l	97
5) Bromomethane	1.62	94	93481	172.100	ug/l	100
6) Chloroethane	1.70	64	150614	144.446	ug/l	99
7) Trichlorofluoromethane	1.91	101	345319	150.089	ug/l	100
8) Diethyl Ether	2.18	74	141311	138.136	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	209892	129.671	ug/l	100
10) Methyl Iodide	2.50	142	240604	180.472	ug/l	99
11) Tert butyl alcohol	3.05	59	369626	495.152	ug/l	99
12) 1,1-Dichloroethene	2.36	96	214956	157.859	ug/l	96
13) Acrolein	2.28	56	208483	691.609	ug/l	99
14) Allyl chloride	2.72	41	432283	142.516	ug/l	98
15) Acrylonitrile	3.14	53	739634	596.676	ug/l	99
16) Acetone	2.44	43	739132	513.271	ug/l	100
17) Carbon Disulfide	2.56	76	604304	278.163	ug/l	99
18) Methyl Acetate	2.76	43	348786	117.131	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	800100	116.875	ug/l	100
20) Methylene Chloride	2.84	84	247506	136.681	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	234606	164.590	ug/l	97
22) Diisopropyl ether	3.85	45	800373	116.853	ug/l	90
23) Vinyl Acetate	3.81	43	3648686	640.802	ug/l	99
24) 1,1-Dichloroethane	3.69	63	439714	131.074	ug/l	99
25) 2-Butanone	4.66	43	1093303	555.501	ug/l	97
26) 2,2-Dichloropropane	4.57	77	388432	119.910	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	269449	133.755	ug/l	100
28) Bromochloromethane	5.01	49	150158	91.172	ug/l	99
29) Tetrahydrofuran	5.12	42	681678	619.344	ug/l	100
30) Chloroform	5.20	83	440467	116.858	ug/l	98
31) Cyclohexane	5.57	56	393059	171.927	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	399160	125.326	ug/l	100
36) 1,1-Dichloropropene	5.79	75	334516	147.377	ug/l	99
37) Ethyl Acetate	4.83	43	401736	121.959	ug/l	99
38) Carbon Tetrachloride	5.78	117	347093	127.389	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	398643	172.430	ug/l	98
40) Benzene	6.14	78	978590	137.099	ug/l	99
41) Methacrylonitrile	5.03	41	223912	107.083	ug/l	100
42) 1,2-Dichloroethane	6.18	62	371954	116.540	ug/l	100
43) Isopropyl Acetate	6.43	43	663506	113.281	ug/l	100
44) Trichloroethene	7.21	130	250354	134.928	ug/l	99
45) 1,2-Dichloropropane	7.51	63	254089	119.875	ug/l	98
46) Dibromomethane	7.65	93	172364	124.798	ug/l	99
47) Bromodichloromethane	7.89	83	358007	118.740	ug/l	99
48) Methyl methacrylate	7.76	41	325320	117.106	ug/l	97
49) 1,4-Dioxane	7.73	88	151962	2254.921	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2097690	551.004	ug/l	100
52) Toluene	8.78	92	621792	136.056	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	413910	130.745	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	437597	132.251	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	249438	110.791	ug/l	98
56) Ethyl methacrylate	9.17	69	441181	123.906	ug/l	100
57) 1,3-Dichloropropane	9.37	76	429238	118.162	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	995269	546.370	ug/l	100
59) 2-Hexanone	9.49	43	1659486	558.090	ug/l	99
60) Dibromochloromethane	9.58	129	272351	119.498	ug/l	99
61) 1,2-Dibromoethane	9.67	107	264745	126.562	ug/l	99
64) Tetrachloroethene	9.33	164	211527	136.369	ug/l	99
65) Chlorobenzene	10.14	112	658636	121.740	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	246723	113.010	ug/l	99
67) Ethyl Benzene	10.25	91	1212269	129.395	ug/l	97
68) m/p-Xylenes	10.35	106	902135	262.970	ug/l	100
69) o-Xylene	10.70	106	438921	126.132	ug/l	99
70) Styrene	10.71	104	785669	128.488	ug/l	99
71) Bromoform	10.85	173	195514	121.408	ug/l #	98
73) Isopropylbenzene	11.01	105	1178959	120.950	ug/l	100
74) N-amyl acetate	10.89	43	609467	118.479	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	402542	108.254	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	394090m	112.874	ug/l	
77) Bromobenzene	11.25	156	273388	116.542	ug/l	99
78) n-propylbenzene	11.35	91	1371151	126.186	ug/l	98
79) 2-Chlorotoluene	11.42	91	833016	118.321	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1017700	122.839	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	153313	128.999	ug/l	97
82) 4-Chlorotoluene	11.51	91	978532	121.232	ug/l	100
83) tert-Butylbenzene	11.77	119	978599	112.272	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1050728	123.738	ug/l	97
85) sec-Butylbenzene	11.94	105	1148263	118.450	ug/l	100
86) p-Isopropyltoluene	12.06	119	1066589	119.980	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	504793	115.018	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	507235	112.761	ug/l	99
89) n-Butylbenzene	12.39	91	946723	119.633	ug/l	98
90) Hexachloroethane	12.59	117	198326	122.987	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	491719	108.113	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	101984	106.211	ug/l	98

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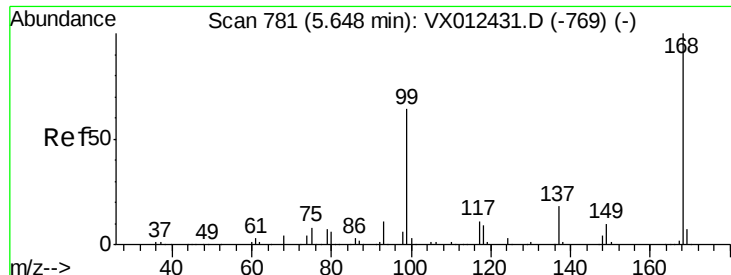
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	310627	107.585	ug/l	99
94) Hexachlorobutadiene	13.78	225	130212	96.442	ug/l	99
95) Naphthalene	13.83	128	1153270	111.474	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	306672	104.135	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: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 195535

Ion Ratio Lower Upper

168 100

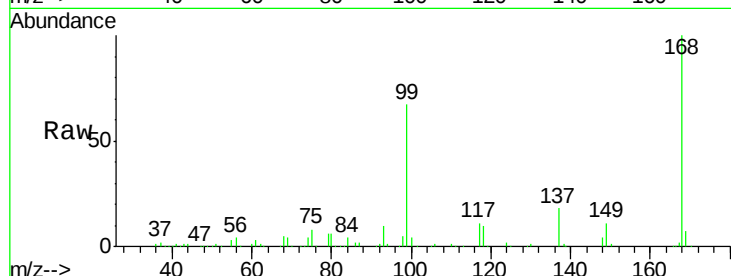
99 67.1 53.3 79.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

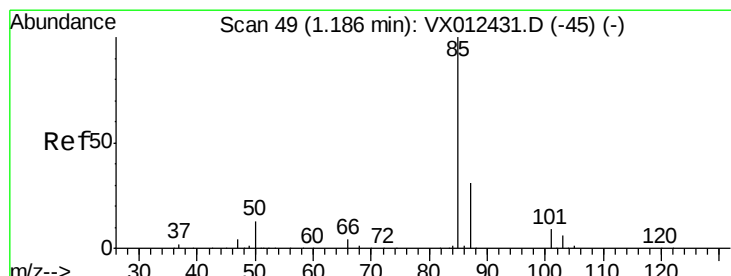
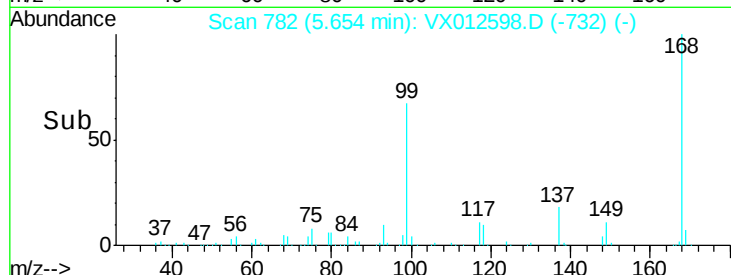
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 163.802 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX012598.D

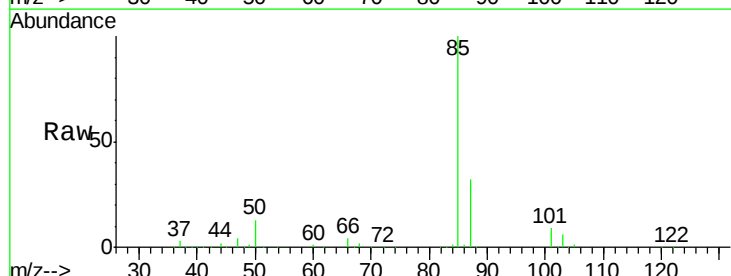
Acq: 23 Sep 2019 11:42

Tgt Ion: 85 Resp: 212813

Ion Ratio Lower Upper

85 100

87 32.2 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

200000

150000

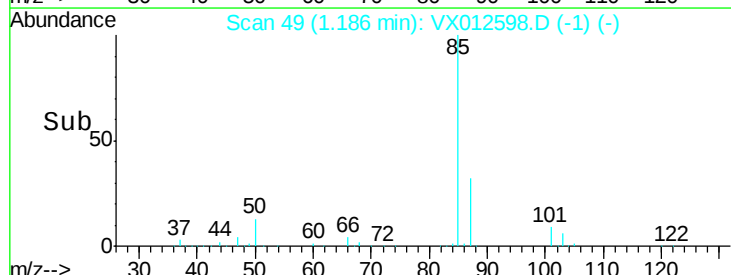
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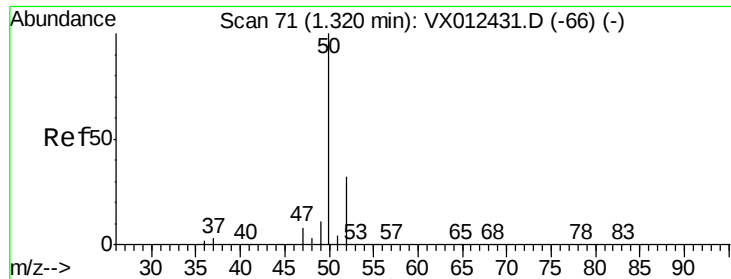
50000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 185.343 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 237887

Ion Ratio Lower Upper

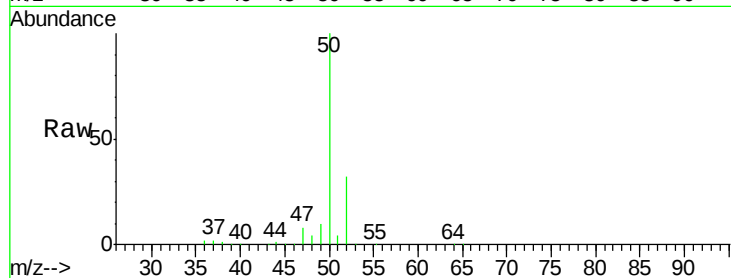
50 100

52 32.4 27.0 40.4

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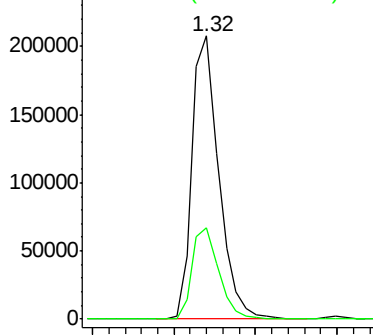
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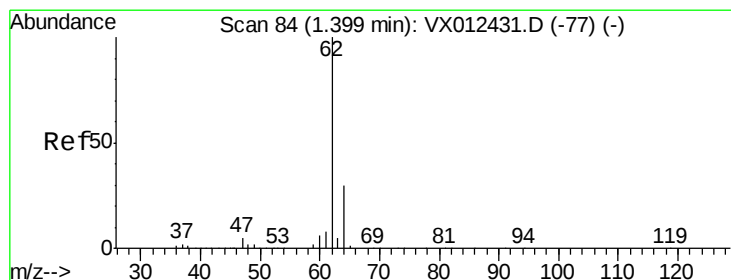
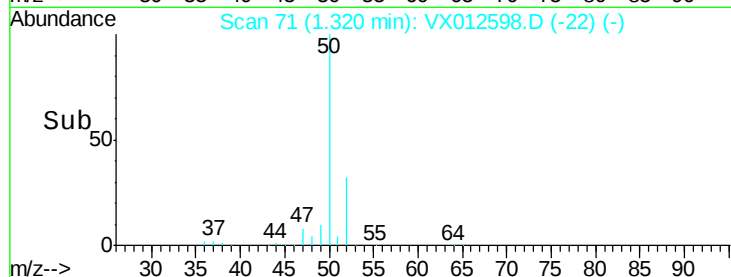


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 187.574 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012598.D

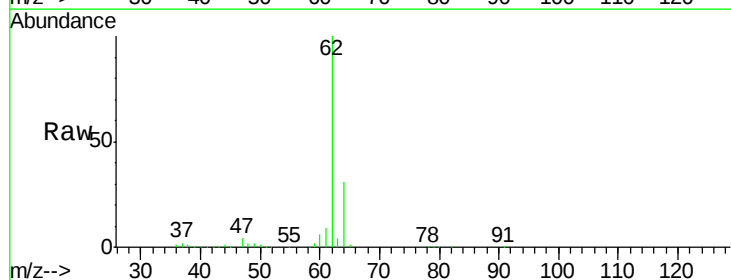
Acq: 23 Sep 2019 11:42

Tgt Ion: 62 Resp: 254246

Ion Ratio Lower Upper

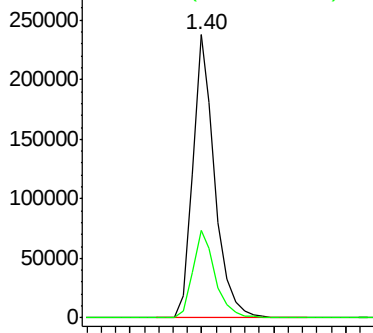
62 100

64 30.6 25.8 38.8

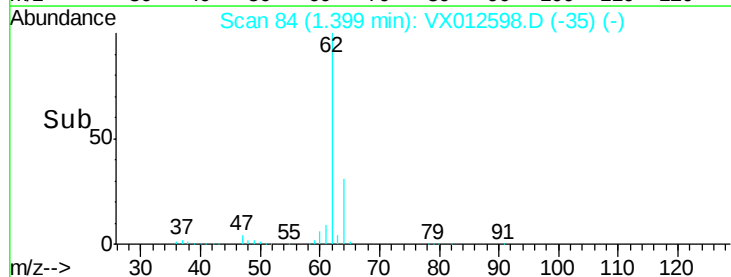


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 172.100 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 93481

Ion Ratio Lower Upper

94 100

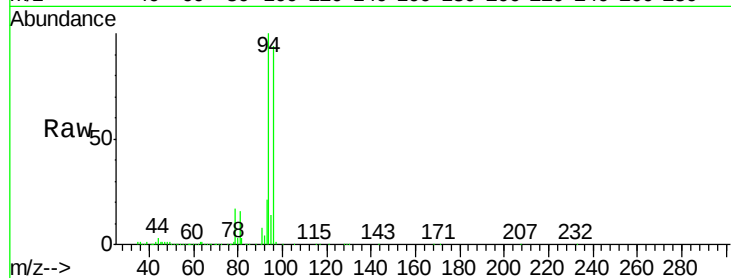
96 93.9 75.4 113.0

Manual Integrations

APPROVED

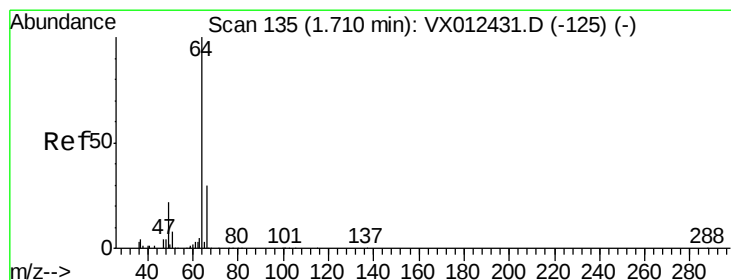
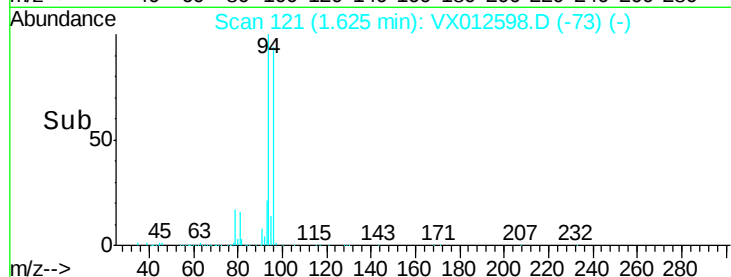
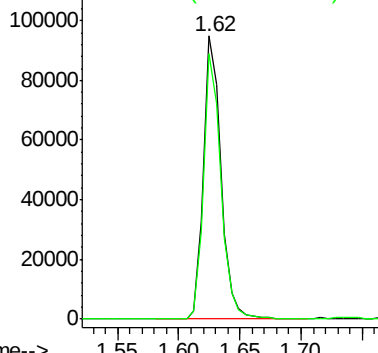
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 144.446 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX012598.D

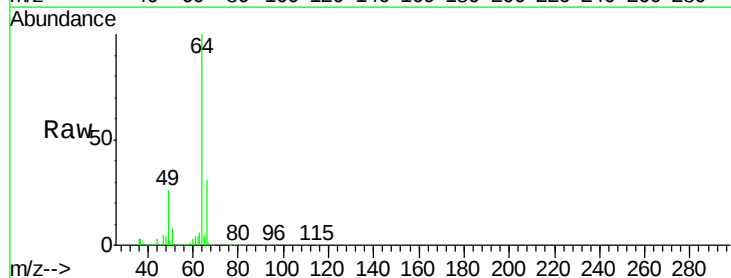
Acq: 23 Sep 2019 11:42

Tgt Ion: 64 Resp: 150614

Ion Ratio Lower Upper

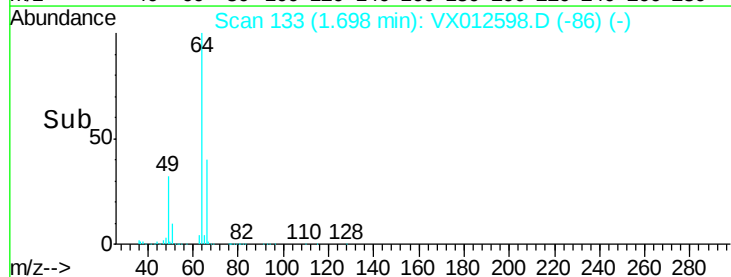
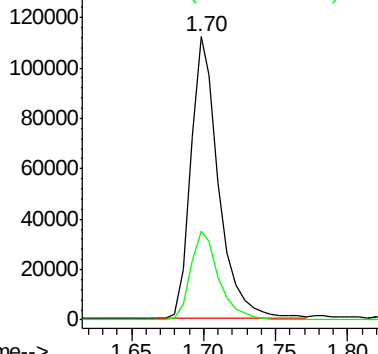
64 100

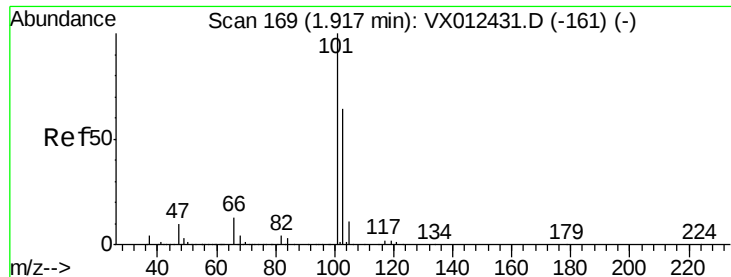
66 31.3 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

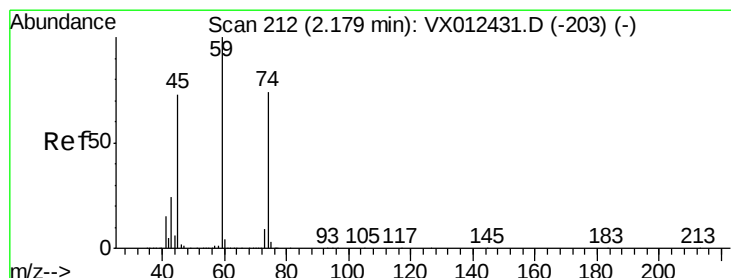
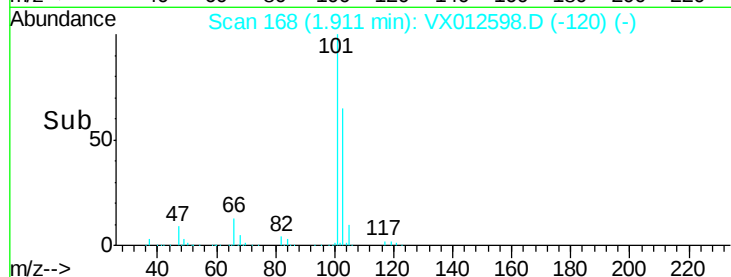
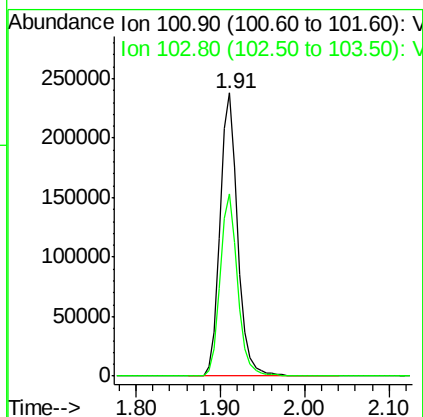
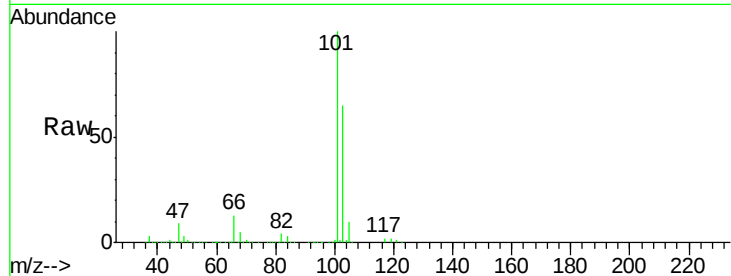
Trichlorofluoromethane
Concen: 150.089 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Instrument :
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VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		345319		
103	64.6	51.7	77.5		

Manual Integrations
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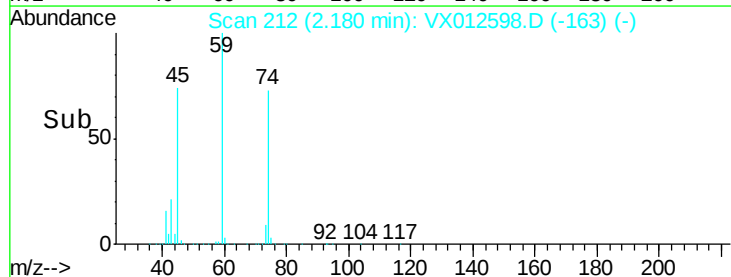
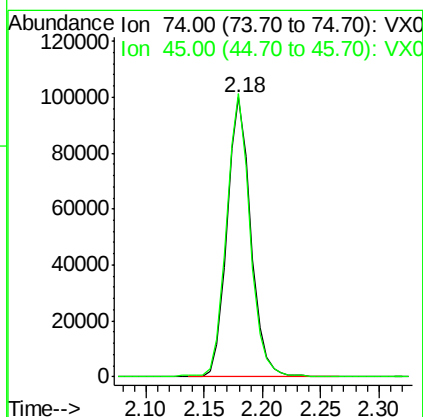
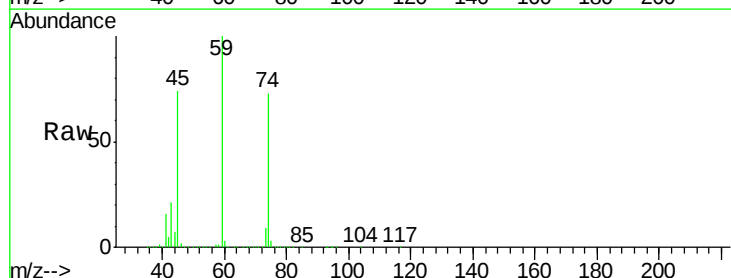
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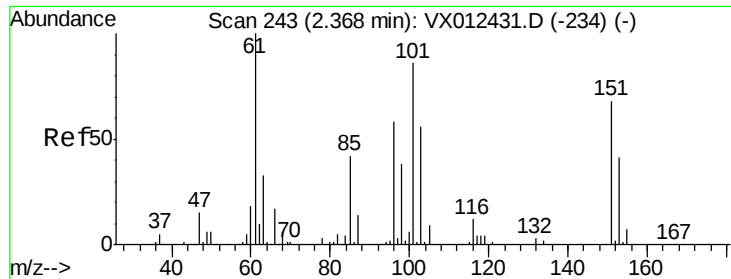


#8

Diethyl Ether
Concen: 138.136 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		141311		
45	101.1	50.0	149.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 129.671 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

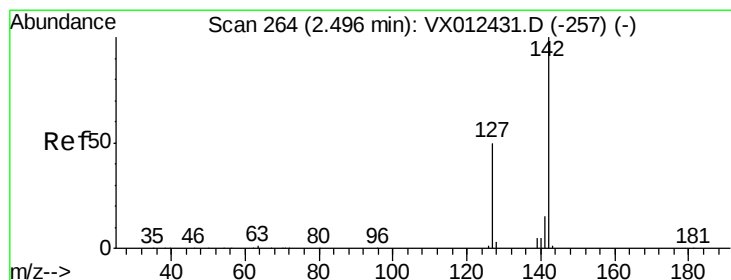
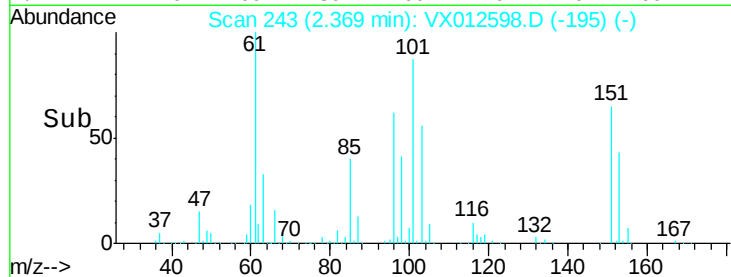
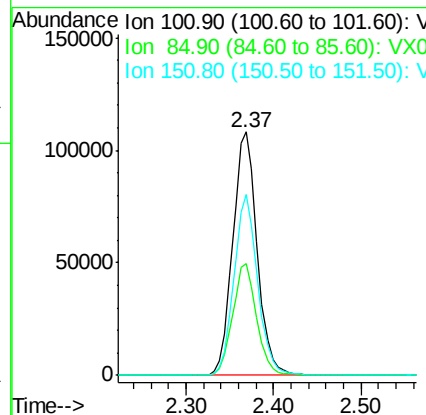
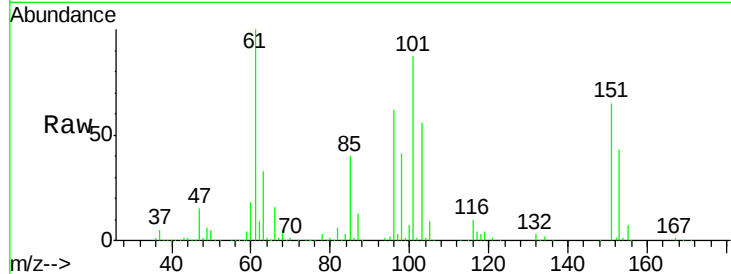
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	209892
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.8	53.6
151	72.1	57.4	86.2

Manual Integrations
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#10

Methyl Iodide

Concen: 180.472 ug/l

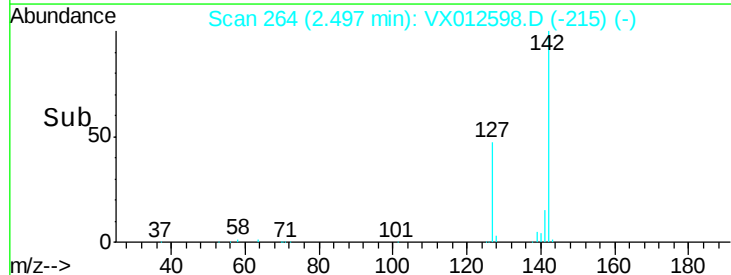
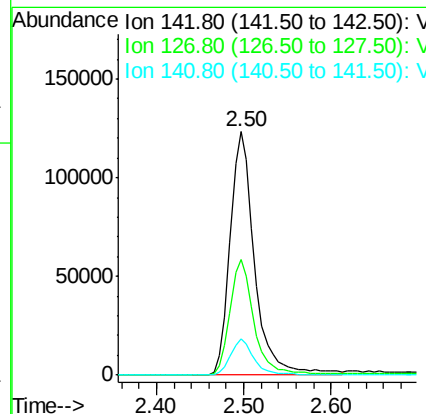
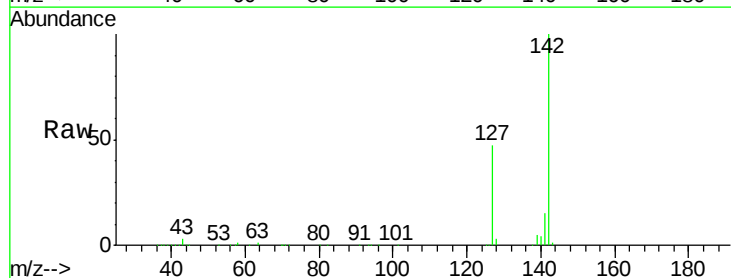
RT: 2.50 min Scan# 264

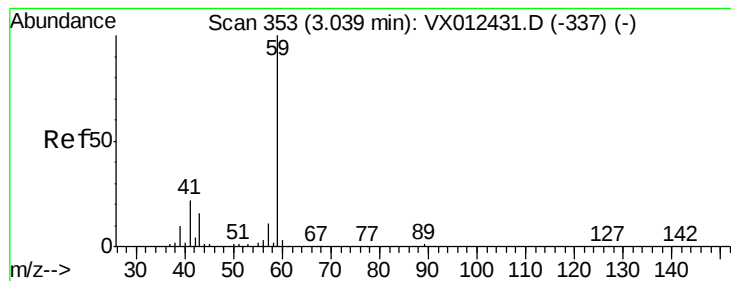
Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Tgt Ion:	142	Resp:	240604
Ion Ratio	Lower	Upper	
142	100		
127	46.7	38.1	57.1
141	14.4	11.4	17.0





#11

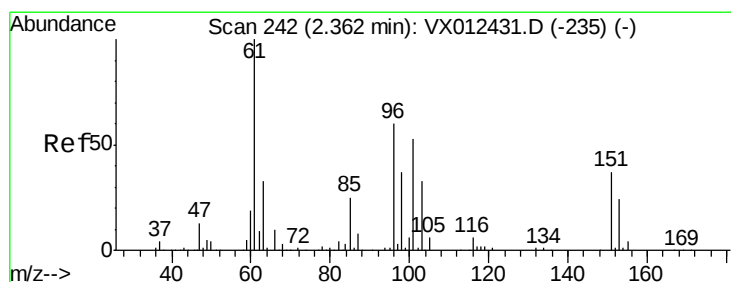
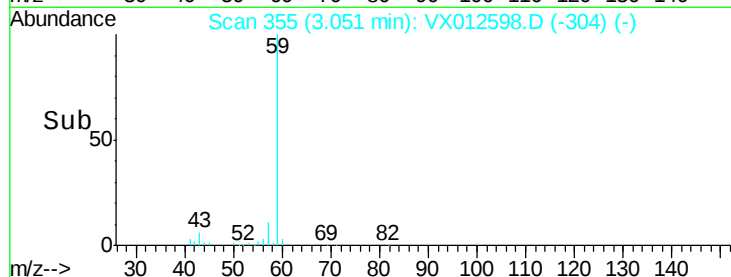
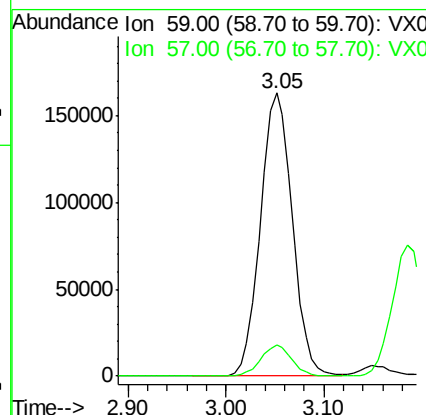
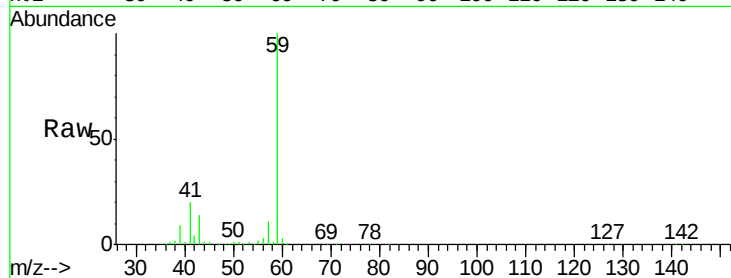
Tert butyl alcohol
 Concen: 495.152 ug/l
 RT: 3.05 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VX012598.D
 Acq: 23 Sep 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

Manual Integrations
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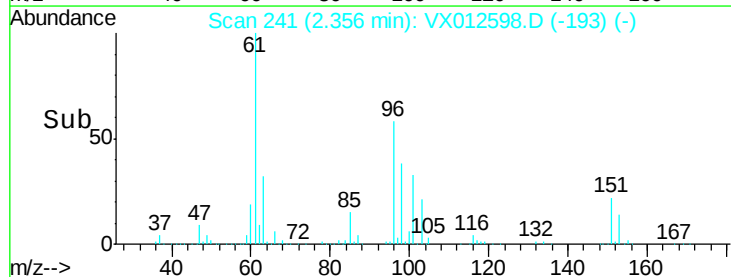
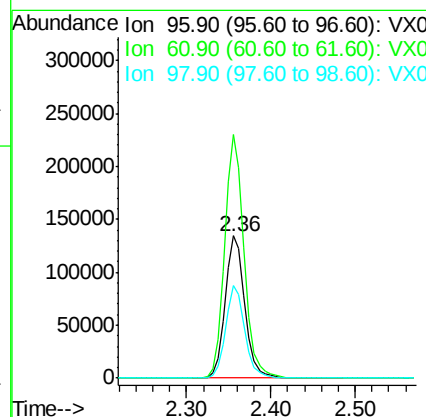
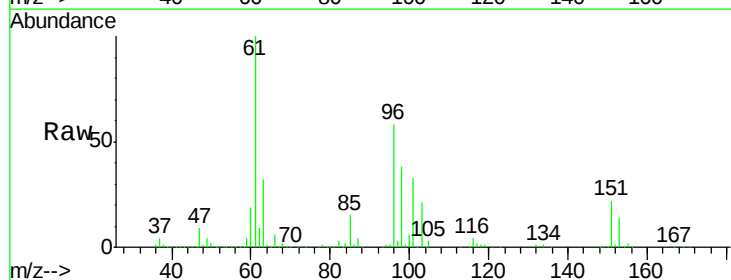
MMDadoda
 9/24/2019 10:07:19 AM

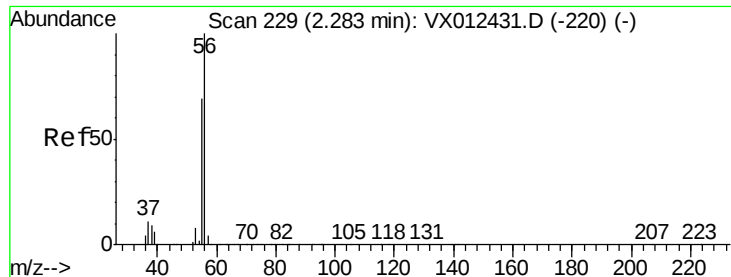


#12

1,1-Dichloroethene
 Concen: 157.859 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX012598.D
 Acq: 23 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.3	133.4	200.0
98	64.8	48.8	73.2





#13

Acrolein

Concen: 691.609 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 208483

Ion Ratio Lower Upper

56 100

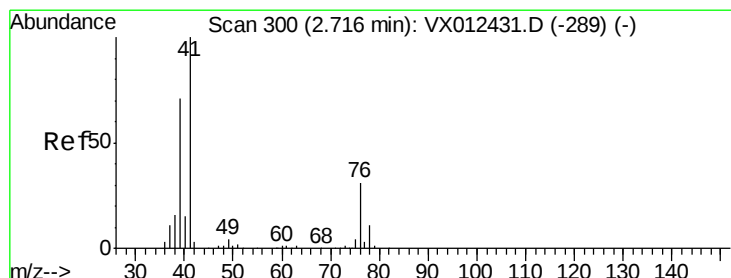
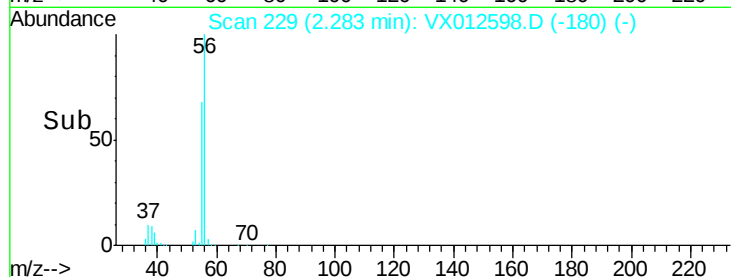
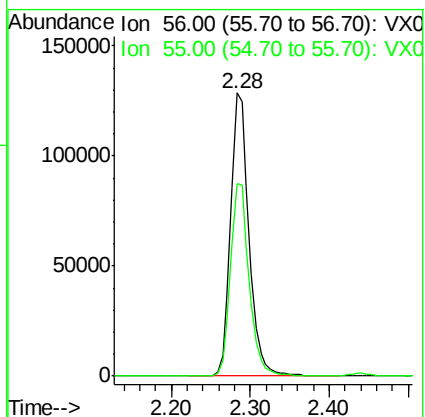
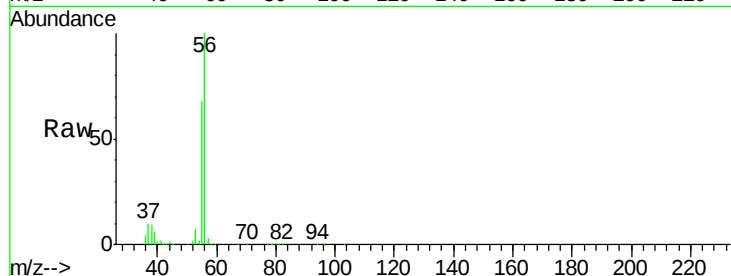
55 69.2 56.2 84.4

Manual Integrations

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#14

Allyl chloride

Concen: 142.516 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

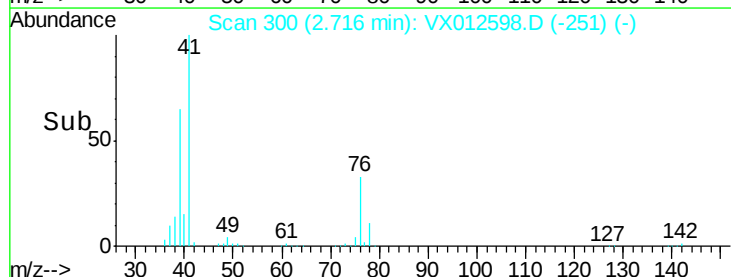
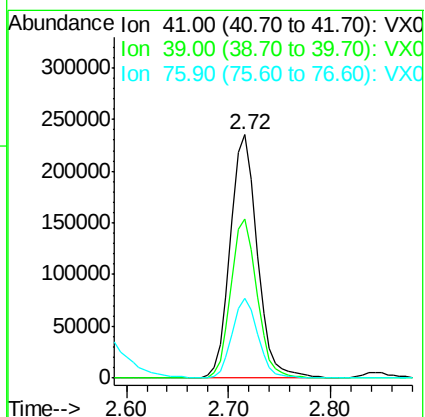
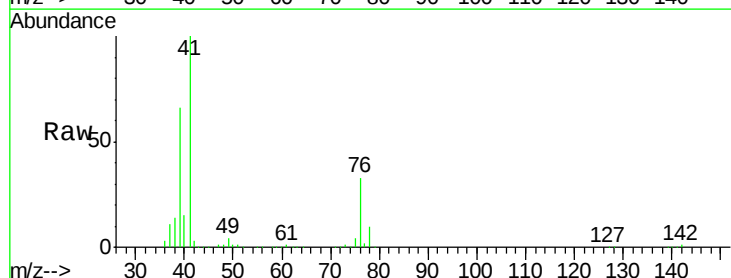
Tgt Ion: 41 Resp: 432283

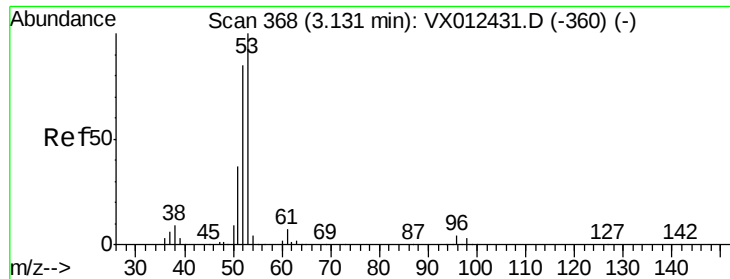
Ion Ratio Lower Upper

41 100

39 63.2 52.1 78.1

76 31.4 25.0 37.6





#15

Acrylonitrile

Concen: 596.676 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

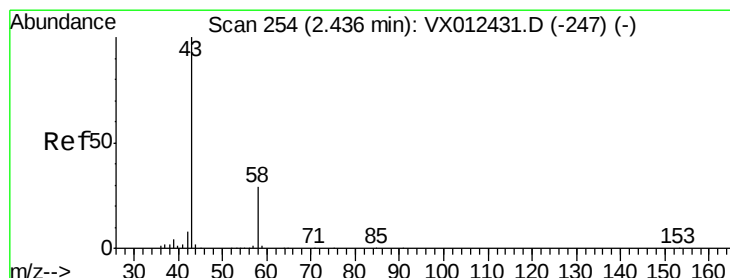
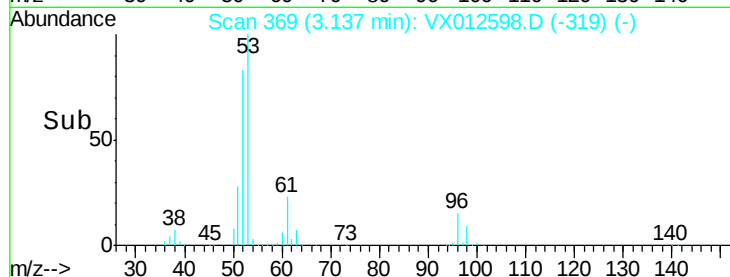
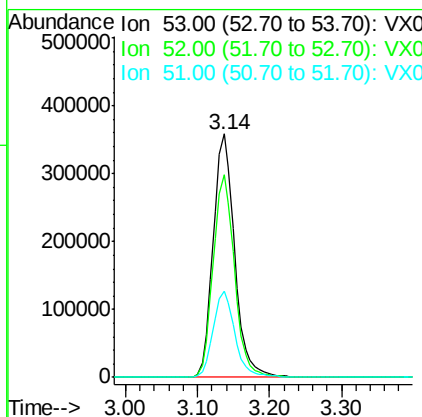
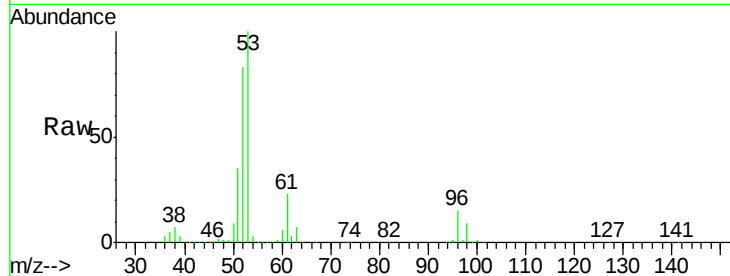
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	739634
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.1	99.1
51	36.0	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 513.271 ug/l

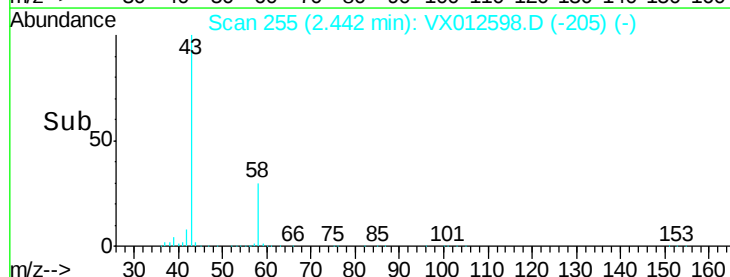
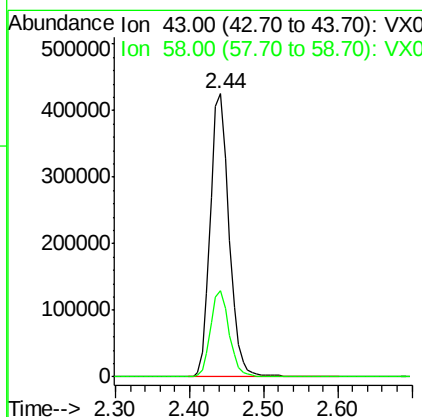
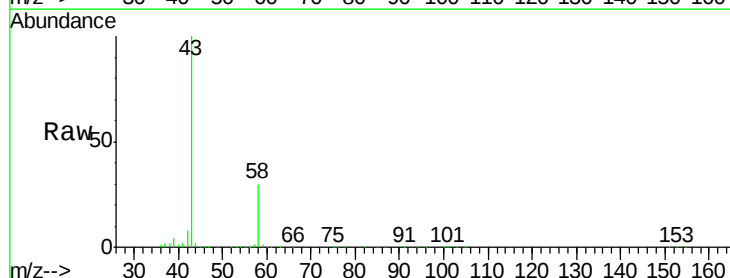
RT: 2.44 min Scan# 255

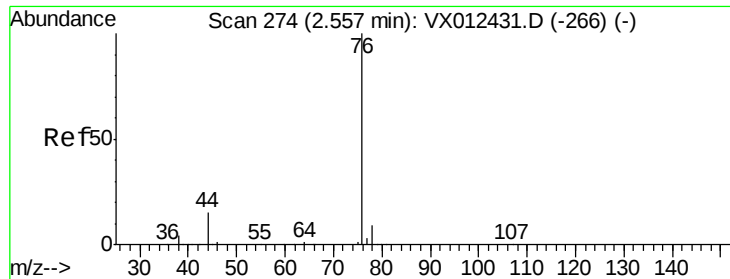
Delta R.T. 0.01 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Tgt Ion:	43	Resp:	739132
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.3	36.5





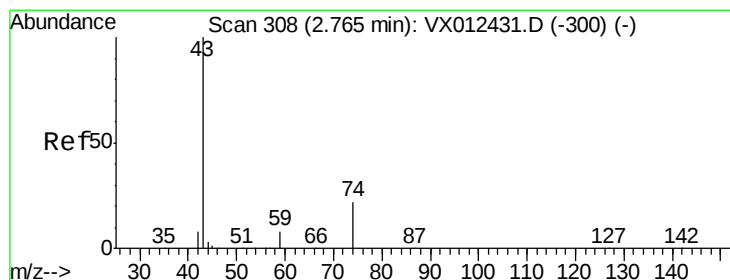
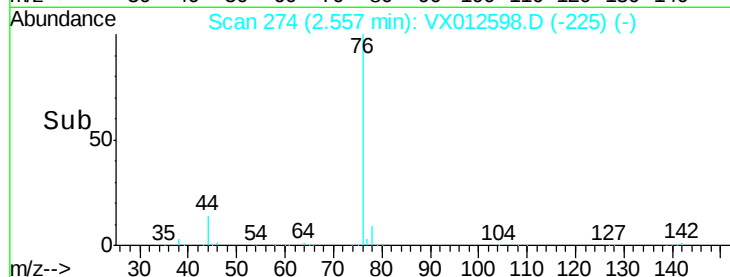
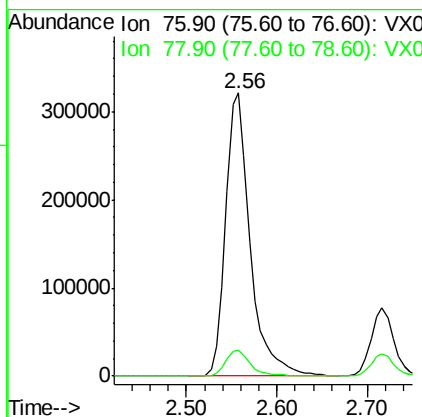
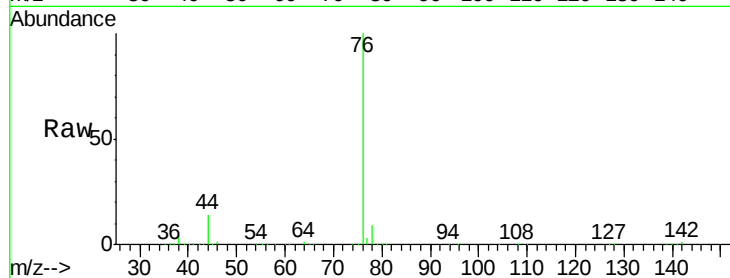
#17
Carbon Disulfide
Concen: 278.163 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

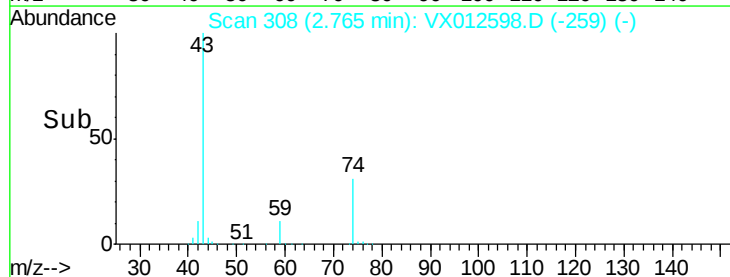
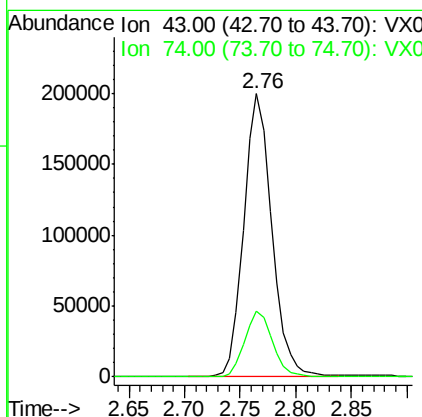
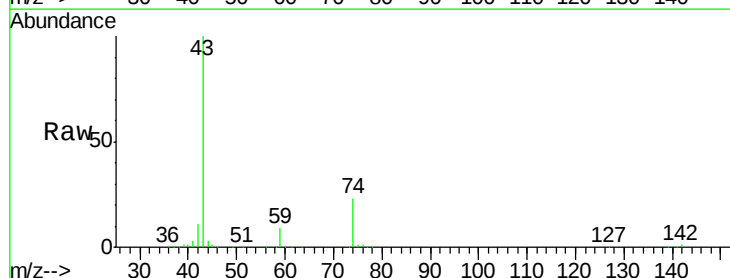
Manual Integrations
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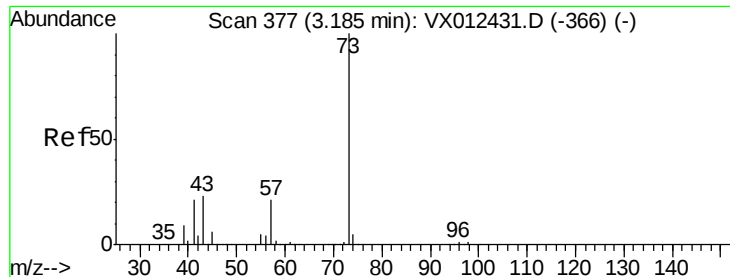
MMDadoda
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#18
Methyl Acetate
Concen: 117.131 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.6	27.8





#19

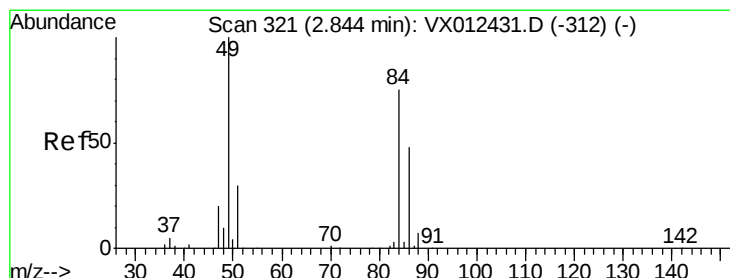
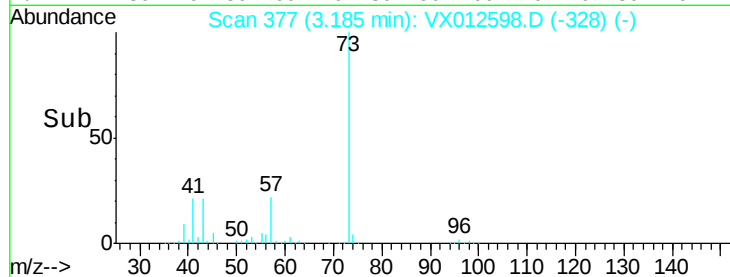
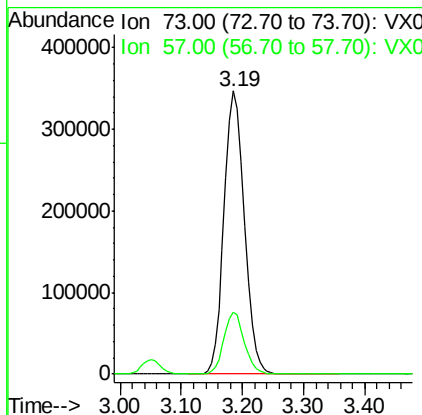
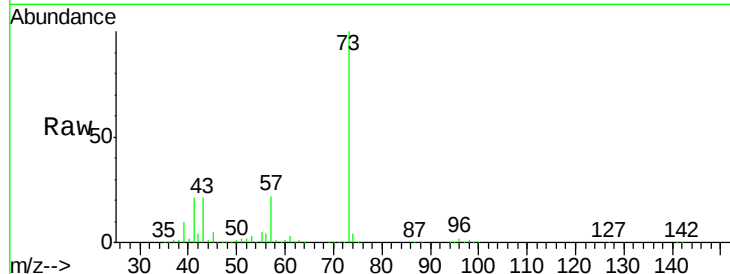
Methyl tert-butyl Ether
 Concen: 116.875 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX012598.D
 Acq: 23 Sep 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.5	26.3

Manual Integrations
 APPROVED

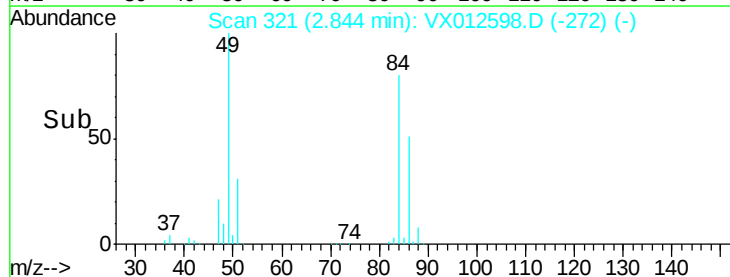
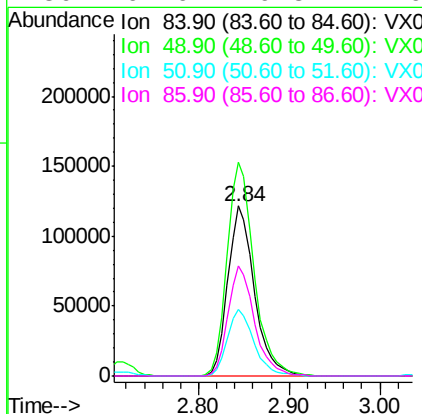
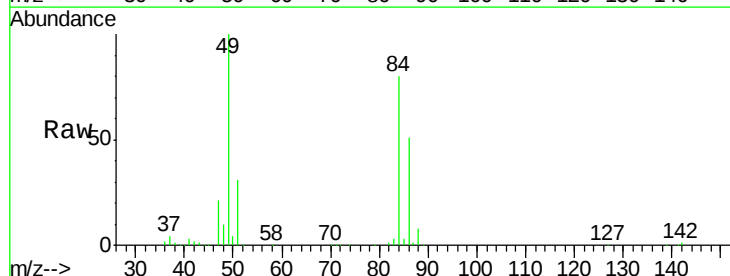
MMDadoda
 9/24/2019 10:07:19 AM

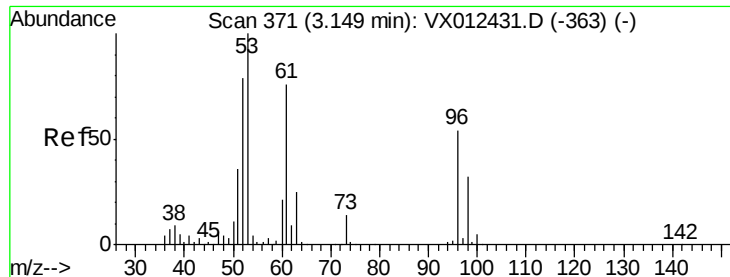


#20

Methylene Chloride
 Concen: 136.681 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. -0.00 min
 Lab File: VX012598.D
 Acq: 23 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.6	99.3	148.9
51	39.0	30.4	45.6
86	64.6	49.8	74.6





#21

trans-1,2-Dichloroethene

Concen: 164.590 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 234606

Ion Ratio Lower Upper

96 100

61 140.0 115.7 173.5

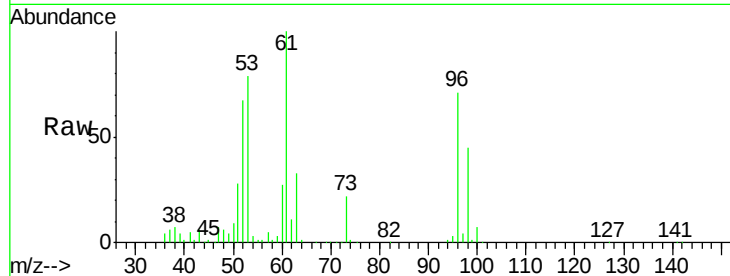
98 63.6 50.6 75.8

Manual Integrations

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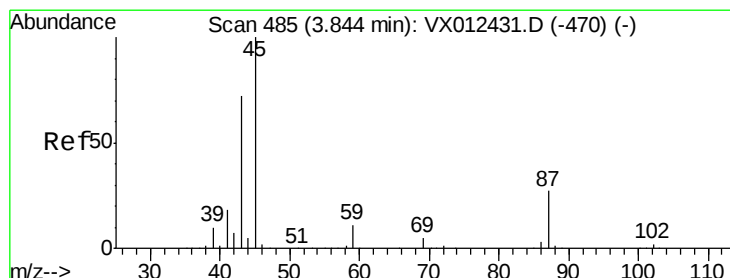
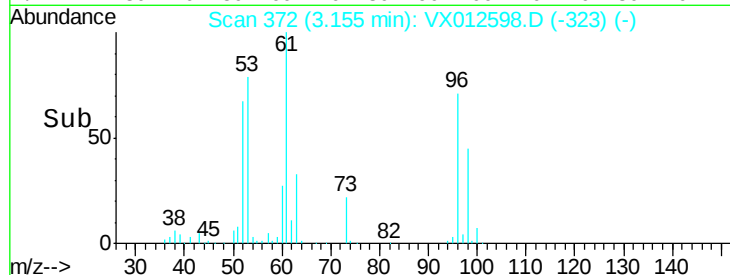
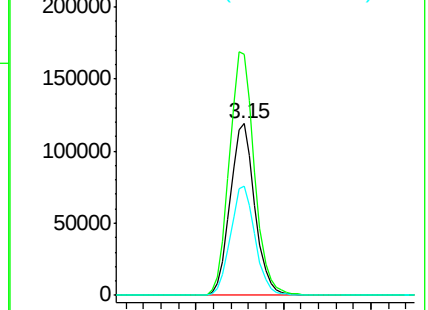
9/24/2019 10:07:19 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 116.853 ug/l

RT: 3.85 min Scan# 486

Delta R.T. 0.01 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Tgt Ion: 45 Resp: 800373

Ion Ratio Lower Upper

45 100

43 63.3 60.8 91.2

87 26.9 21.9 32.9

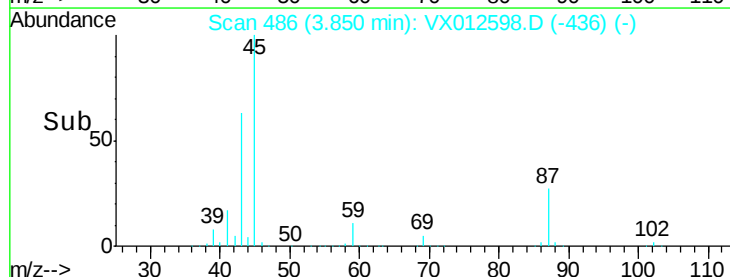
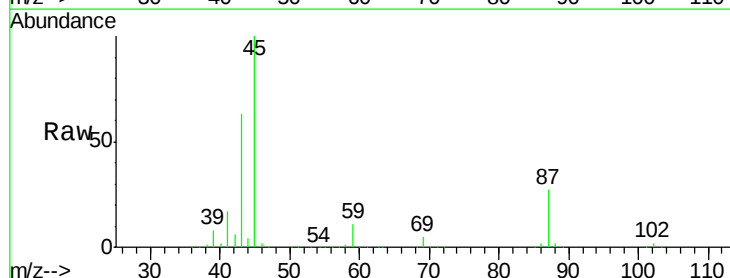
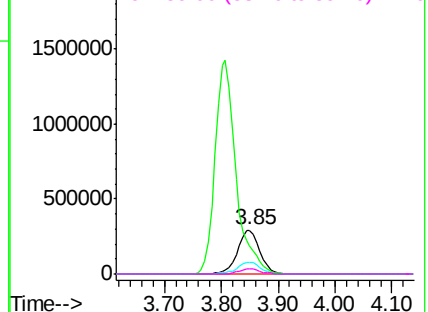
59 10.9 8.6 12.8

Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 640.802 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.01 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3648686

Ion Ratio Lower Upper

43 100

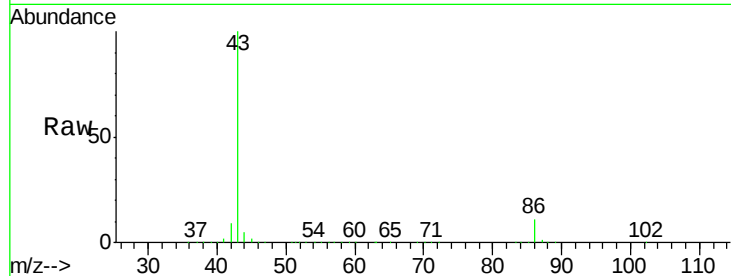
86 10.7 8.4 12.6

Manual Integrations

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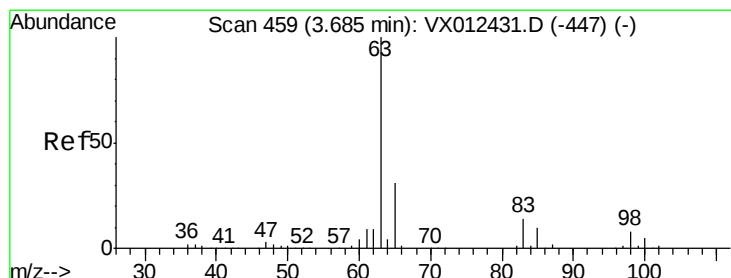
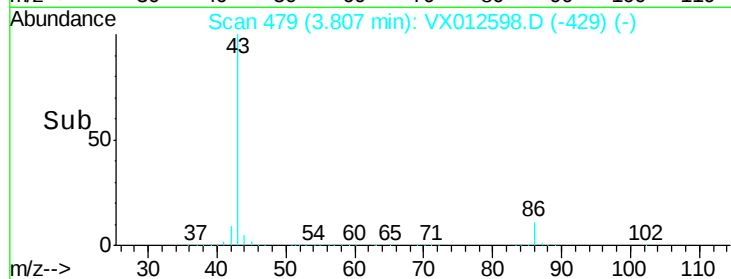
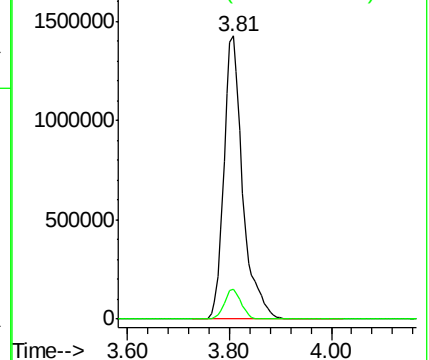
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 131.074 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

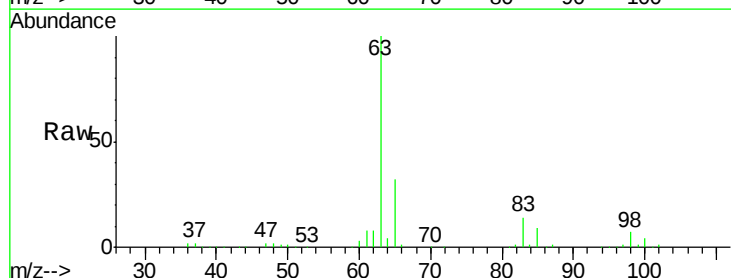
Tgt Ion: 63 Resp: 439714

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

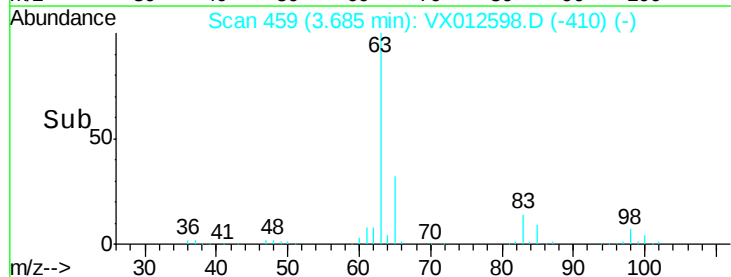
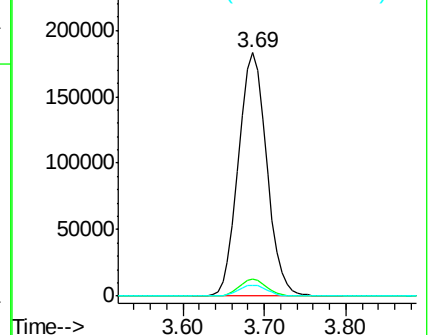
100 4.4 2.0 6.0

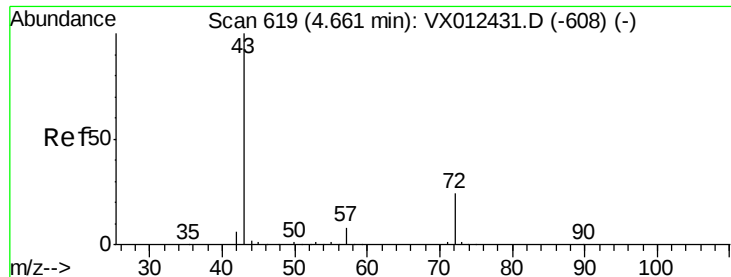


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 555.501 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1093303

Ion Ratio Lower Upper

43 100

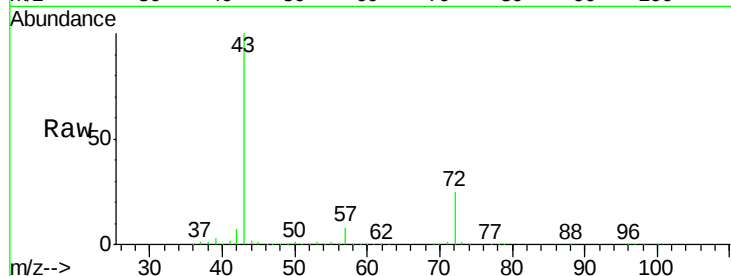
72 25.1 21.2 31.8

Manual Integrations

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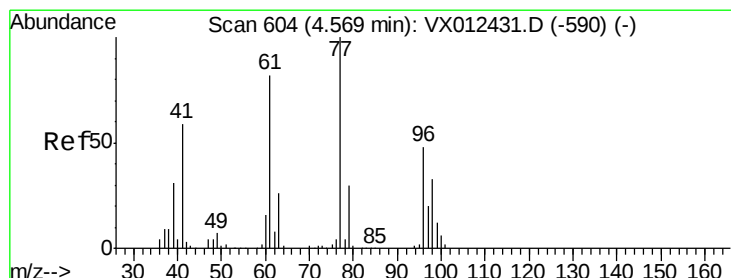
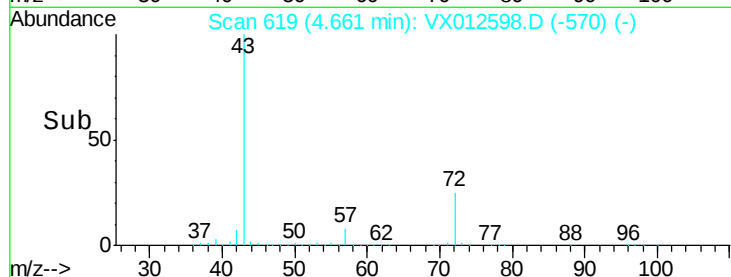
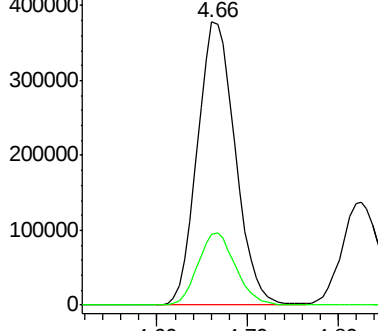
MMDadoda

9/24/2019 10:07:19 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 119.910 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX012598.D

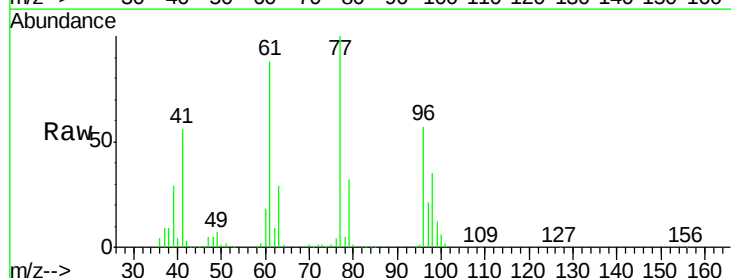
Acq: 23 Sep 2019 11:42

Tgt Ion: 77 Resp: 388432

Ion Ratio Lower Upper

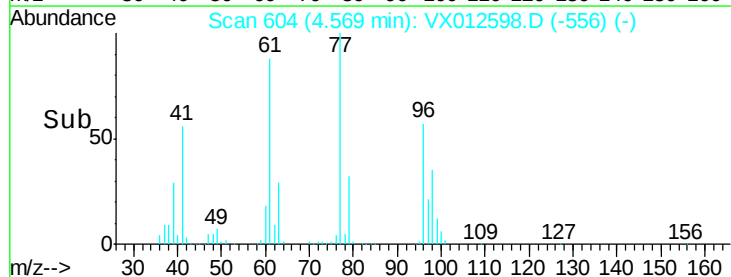
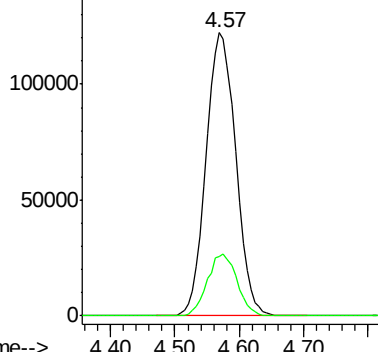
77 100

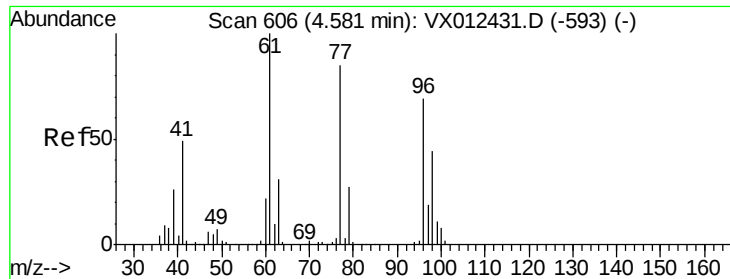
97 21.9 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

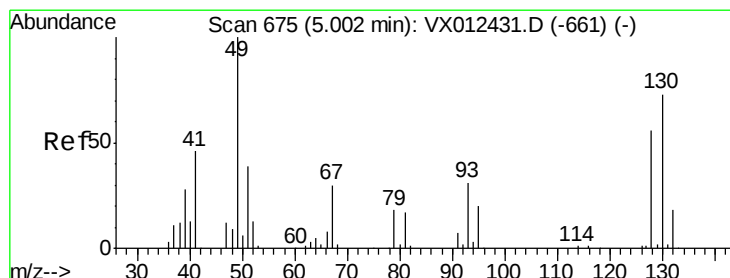
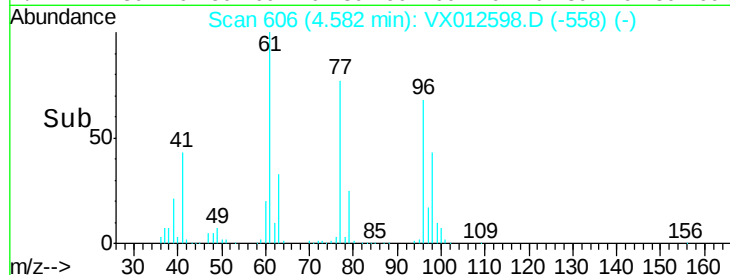
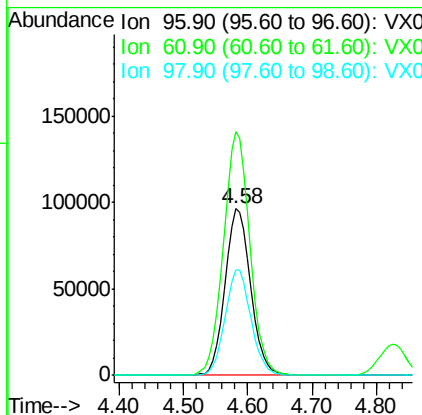
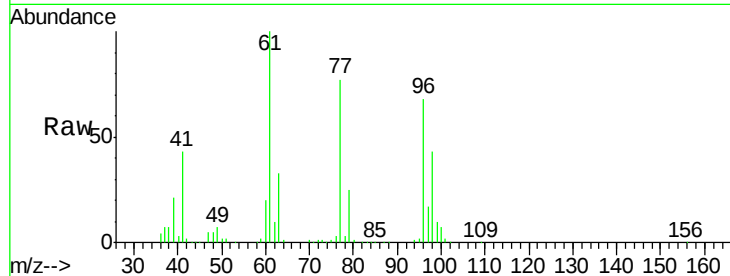
cis-1,2-Dichloroethene
 Concen: 133.755 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VX012598.D
 Acq: 23 Sep 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	269449		
61	151.5		0.0	303.8
98	64.0		0.0	127.6

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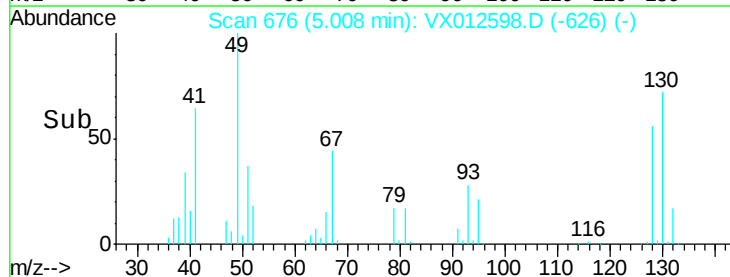
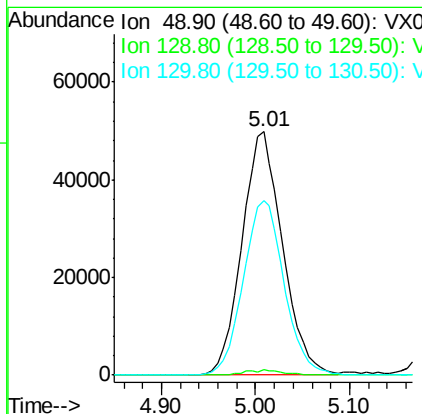
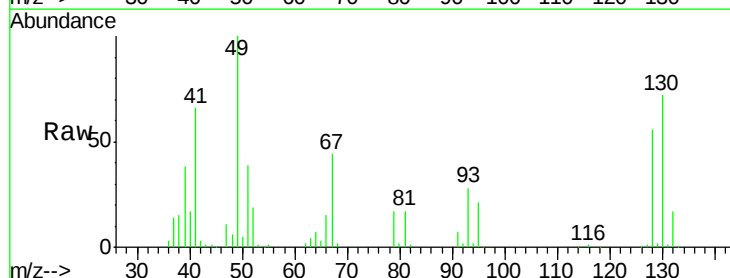
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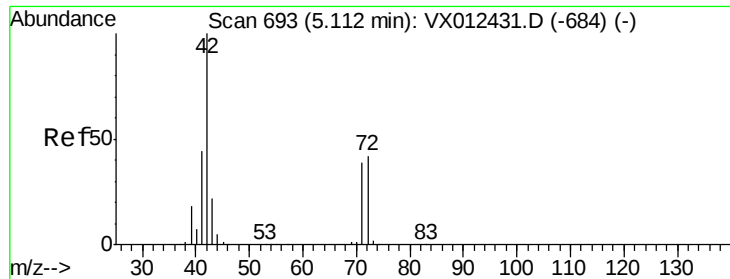


#28

Bromochloromethane
 Concen: 91.172 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX012598.D
 Acq: 23 Sep 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	150158		
129	2.0		0.0	4.0
130	72.5		57.0	85.6





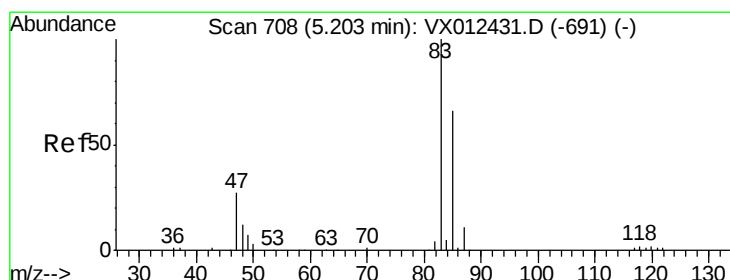
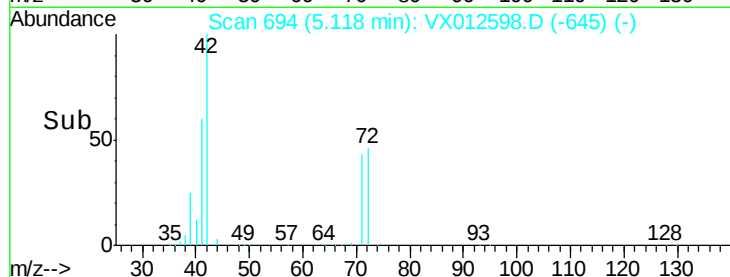
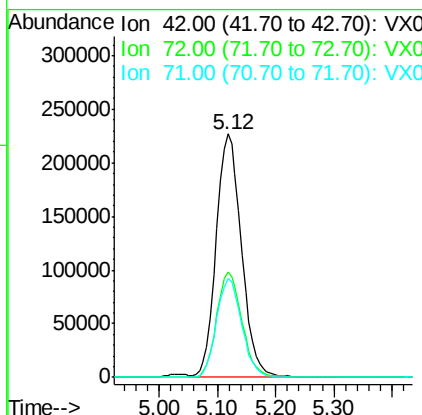
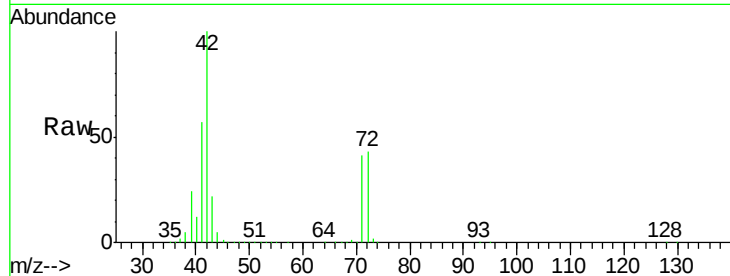
#29
Tetrahydrofuran
Concen: 619.344 ug/l
RT: 5.12 min Scan# 694
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.6	51.8
71	40.6	32.6	48.8

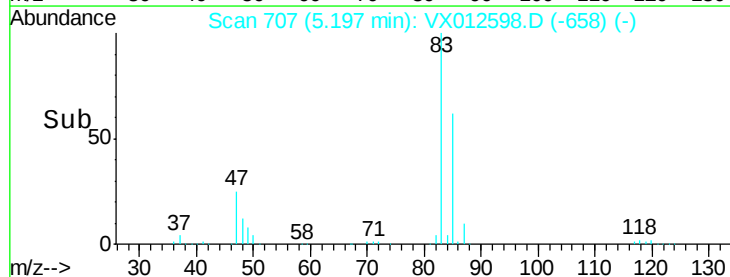
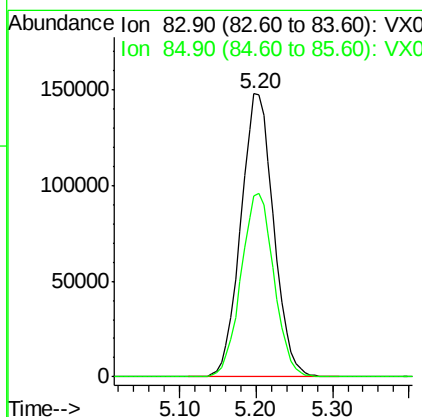
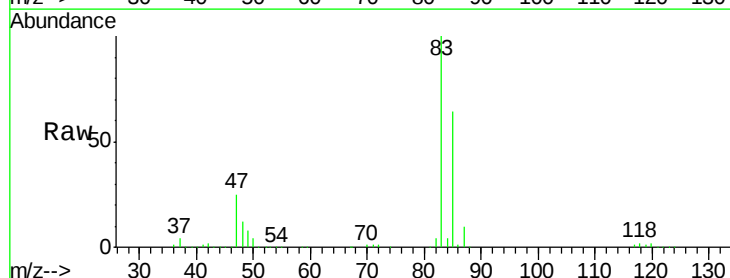
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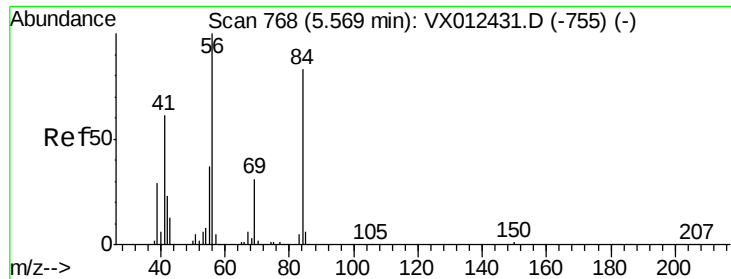
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#30
Chloroform
Concen: 116.858 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.6	78.8





#31

Cyclohexane

Concen: 171.927 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

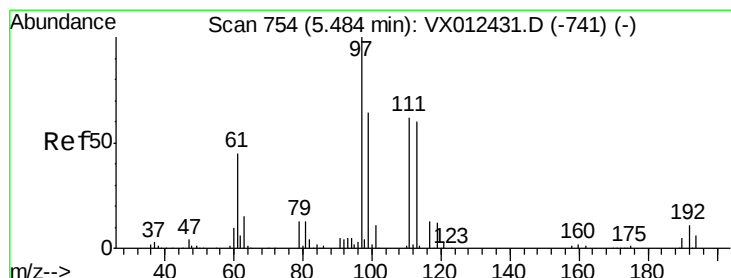
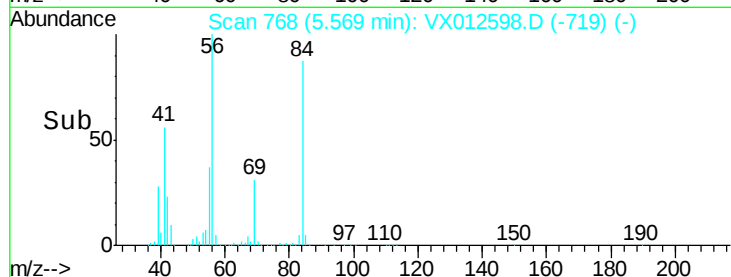
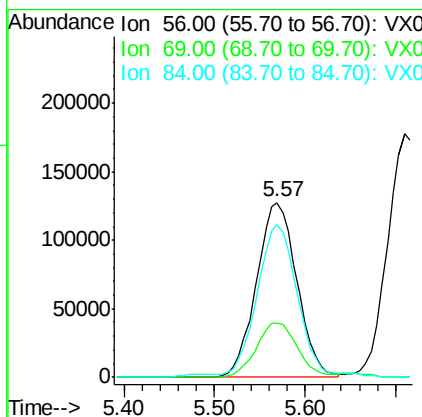
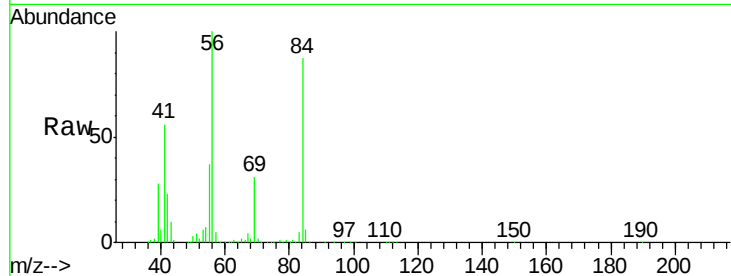
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.3	36.5
84	85.9	65.0	97.6

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#32

1,1,1-Trichloroethane

Concen: 125.326 ug/l

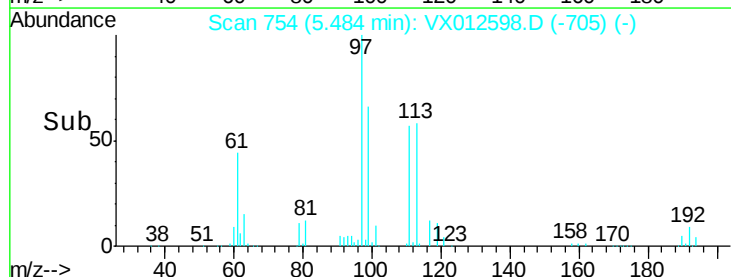
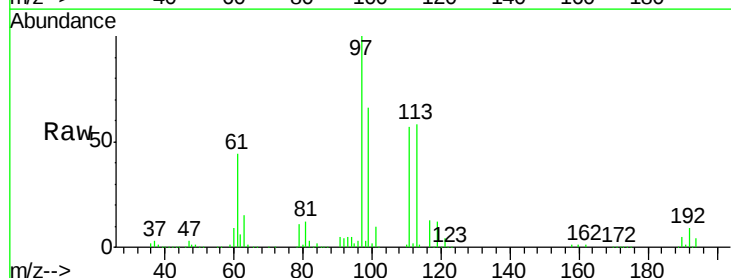
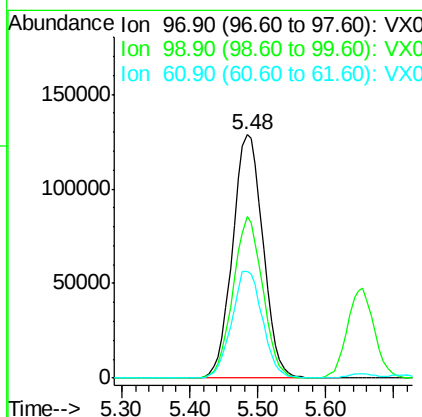
RT: 5.48 min Scan# 754

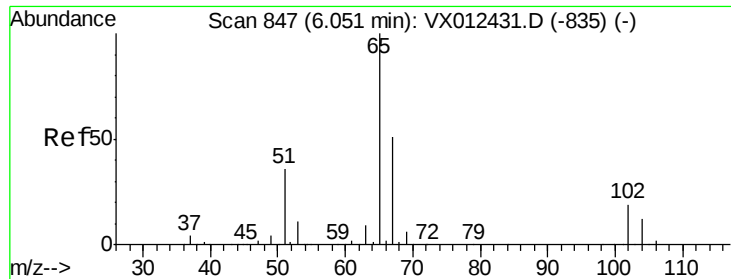
Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.3	76.9
61	44.4	35.5	53.3





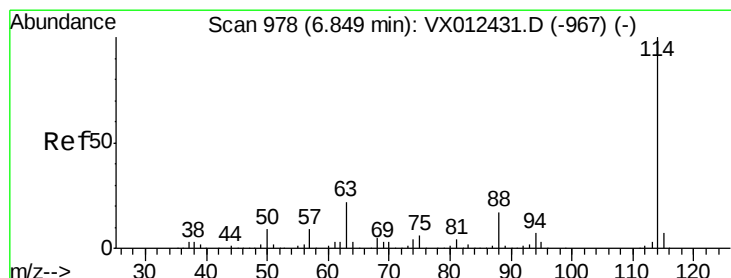
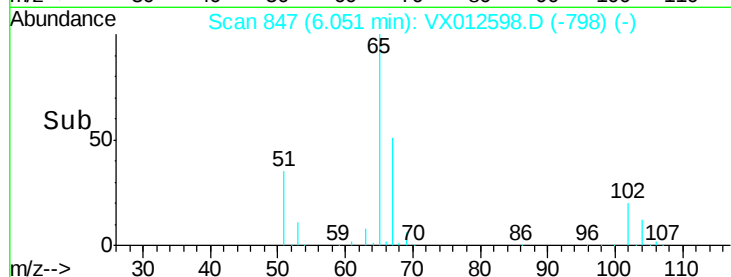
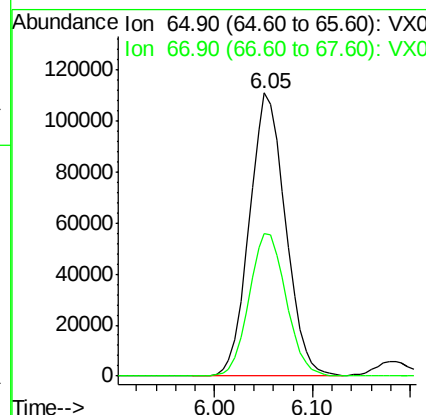
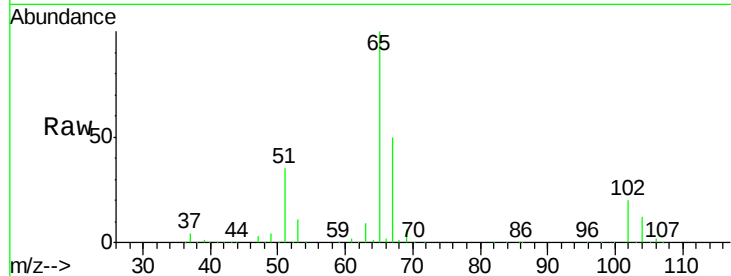
#33
 1,2-Dichloroethane-d4
 Concen: 100.141 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012598.D
 Acq: 23 Sep 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	283873		
67	51.8	0.0	103.0	

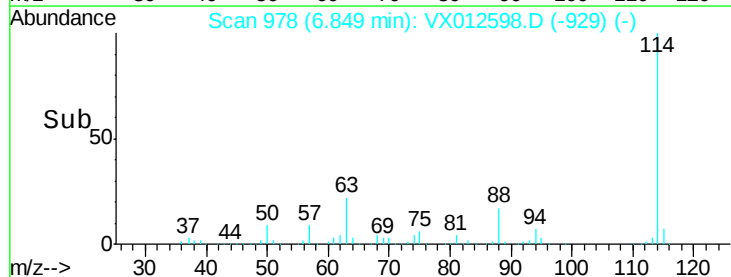
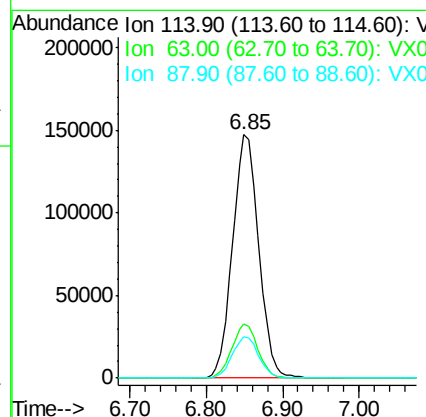
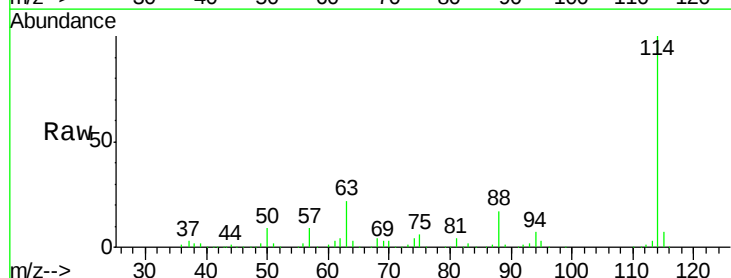
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012598.D
 Acq: 23 Sep 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	349195		
63	22.1	0.0	44.4	
88	17.0	0.0	33.2	





#35

Dibromofluoromethane

Concen: 101.280 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

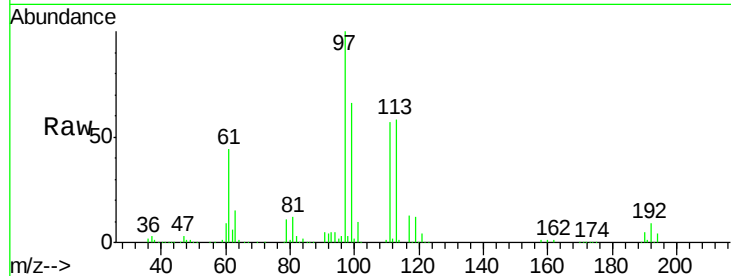
ClientSampled :

VSTDIC100

Tot Ion:	113	Resp:	214777
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.8	122.6
192	17.4	14.5	21.7

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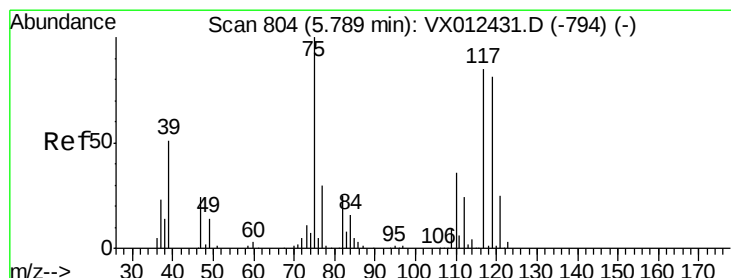
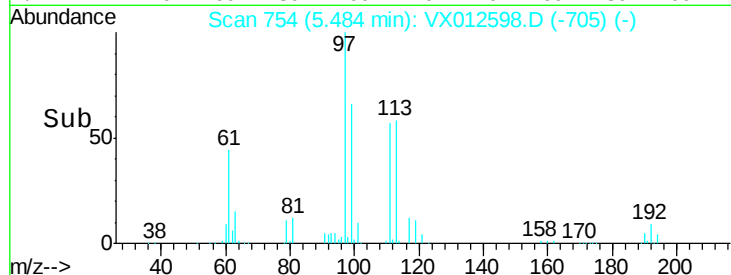
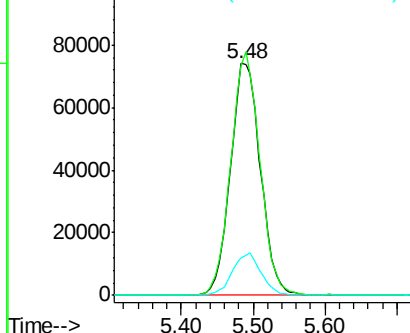
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 147.377 ug/l

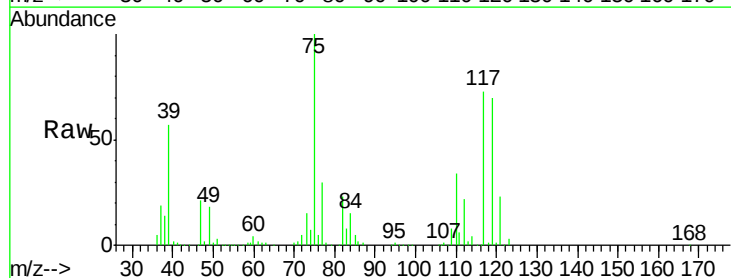
RT: 5.79 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

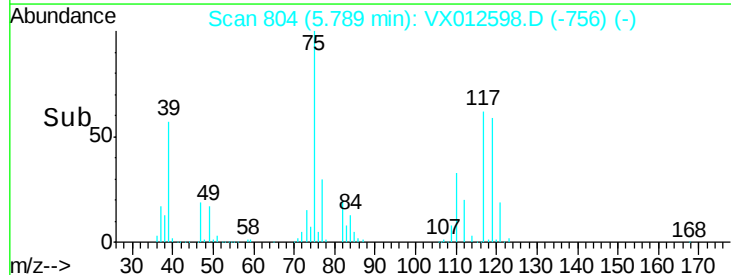
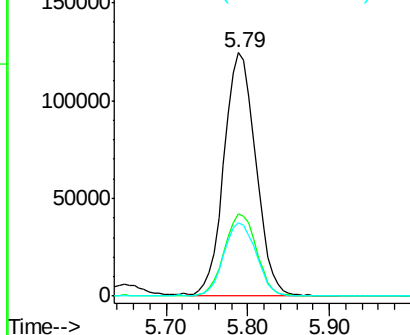
Tgt Ion:	75	Resp:	334516
Ion Ratio	Lower	Upper	
75	100		
110	34.5	17.6	52.8
77	31.0	25.1	37.7

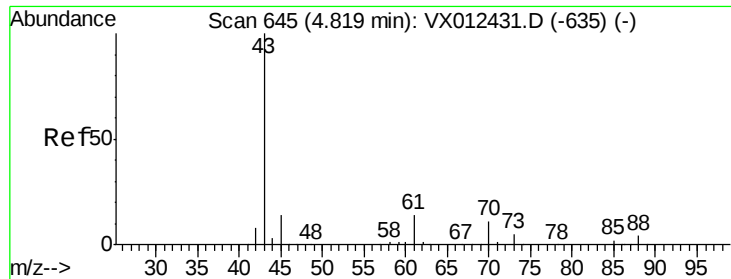


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 121.959 ug/l

RT: 4.83 min Scan# 646

Delta R.T. 0.01 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

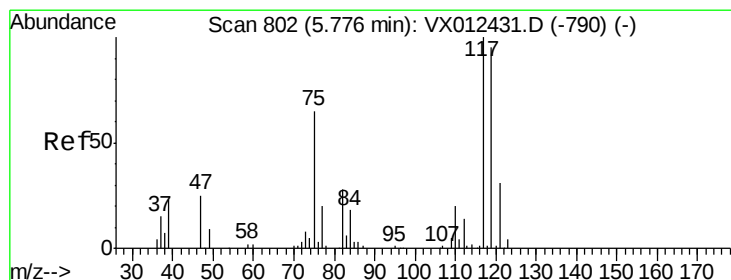
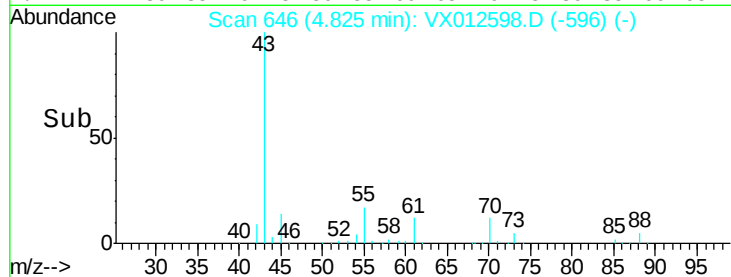
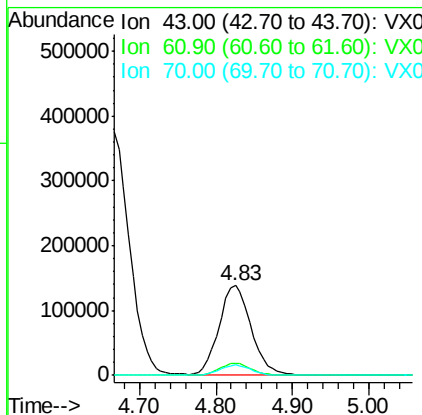
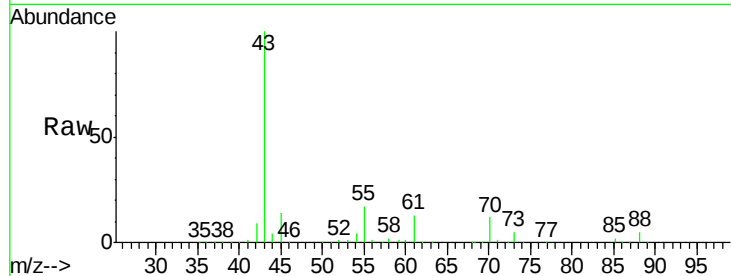
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	401736
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.8	16.2
70	11.3	9.0	13.6

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#38

Carbon Tetrachloride

Concen: 127.389 ug/l

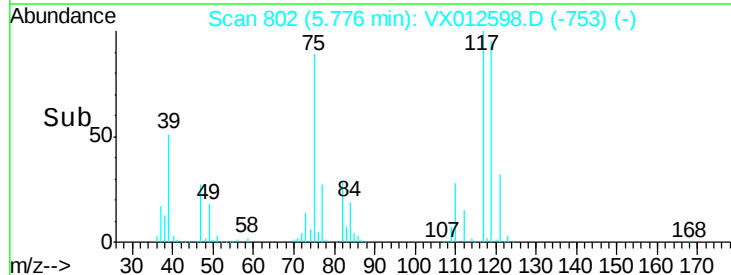
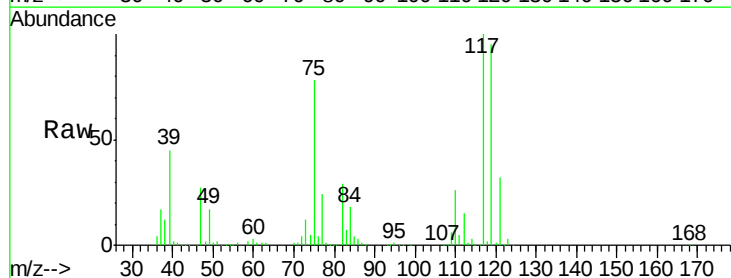
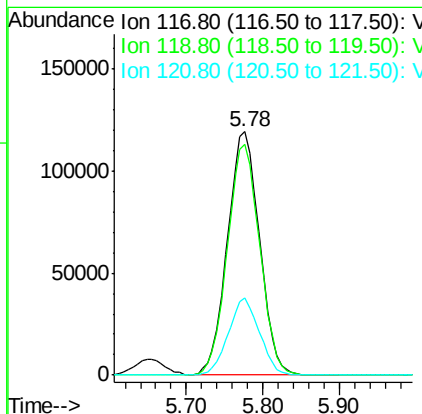
RT: 5.78 min Scan# 802

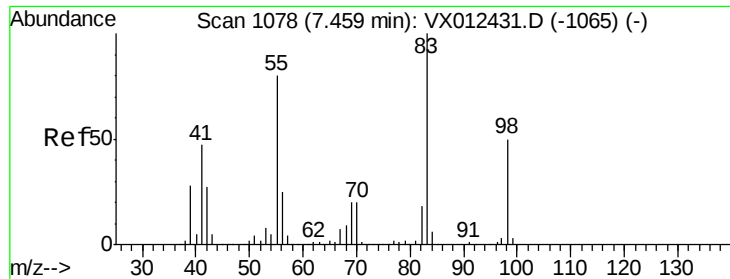
Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Tgt Ion:	117	Resp:	347093
Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.1	115.7
121	31.7	23.7	35.5





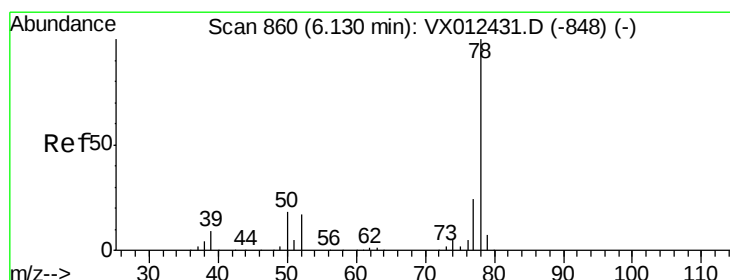
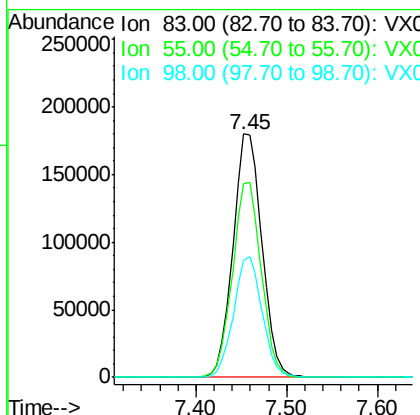
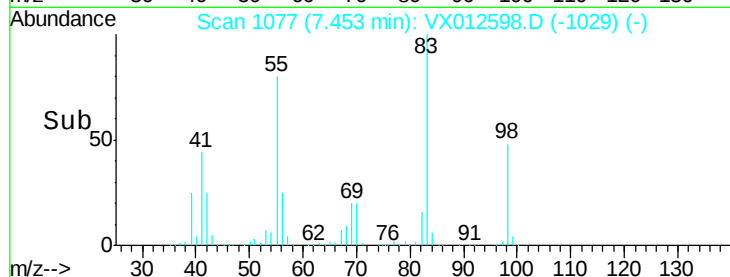
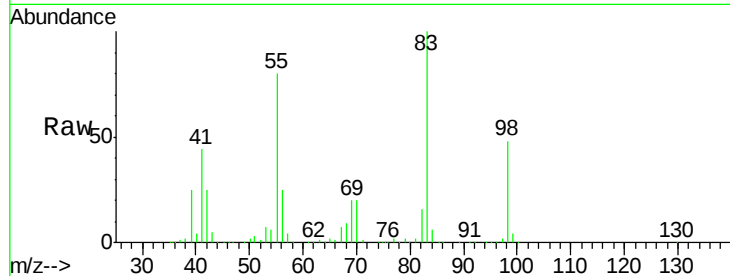
#39
Methvlcvclohexane
Concen: 172.430 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	398643		
55	79.7	65.6	98.4	
98	48.2	39.4	59.0	

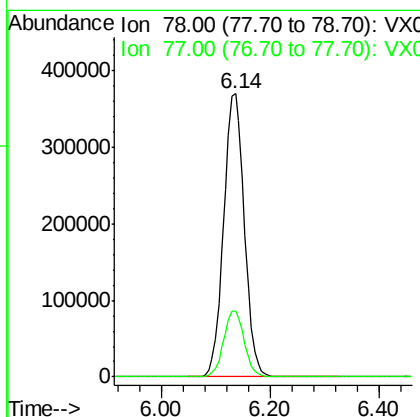
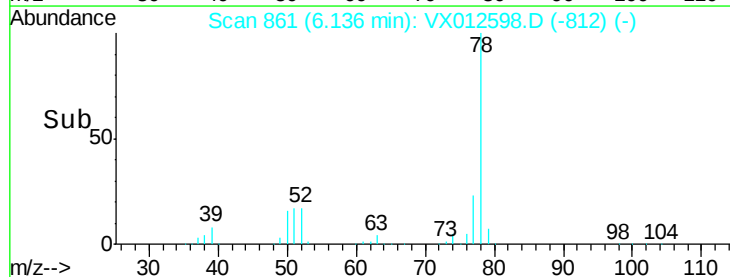
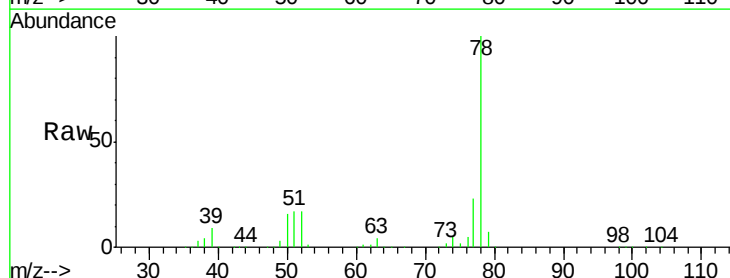
Manual Integrations
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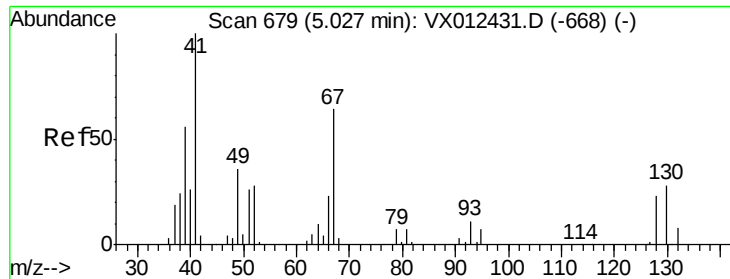
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#40
Benzene
Concen: 137.099 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	978590		
77	23.3	19.0	28.6	





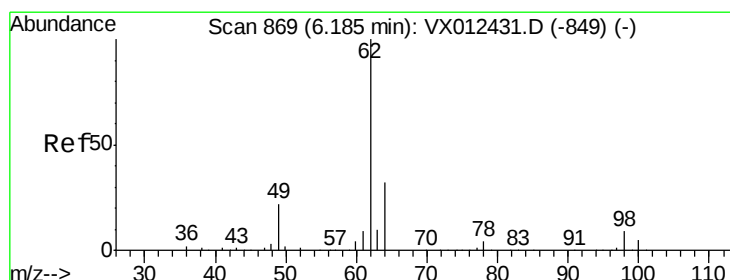
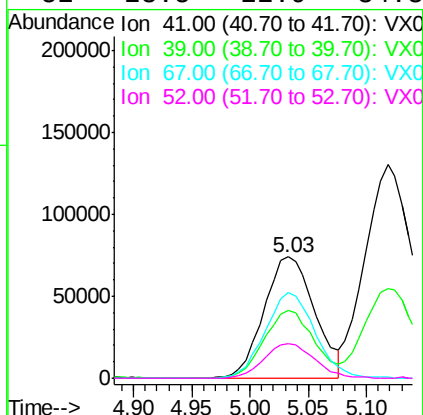
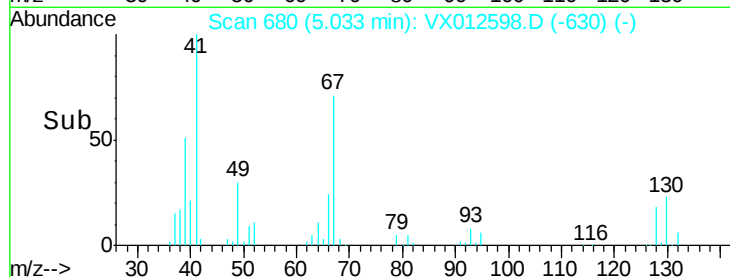
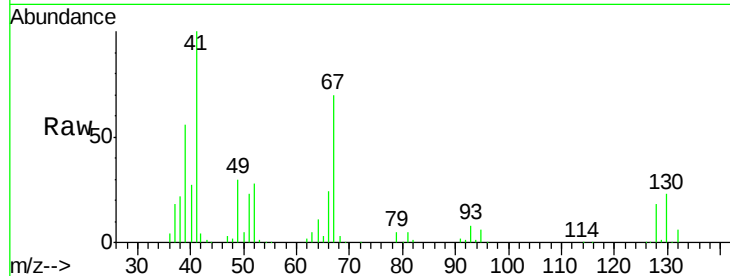
#41
Methacrylonitrile
Concen: 107.083 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		223912		
39	54.9	44.2	66.4		
67	69.2	55.2	82.8		
52	28.5	22.9	34.3		

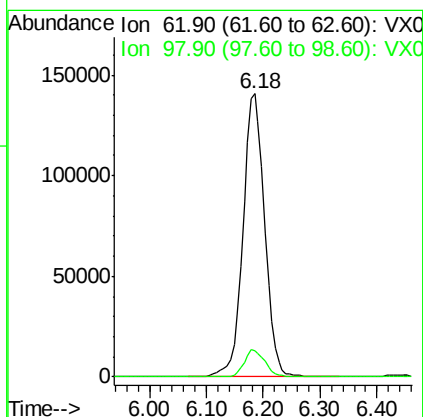
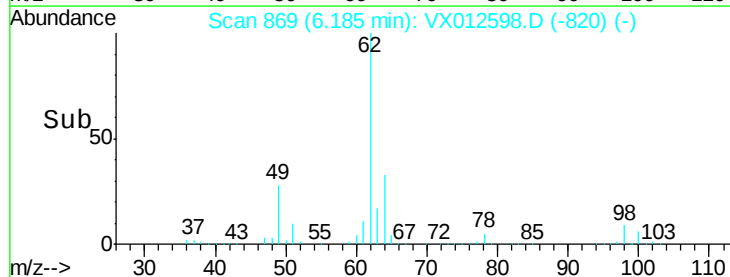
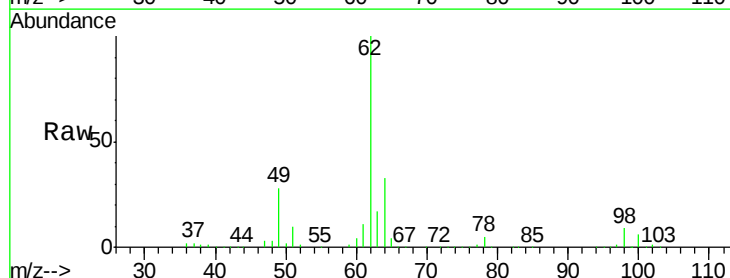
Manual Integrations
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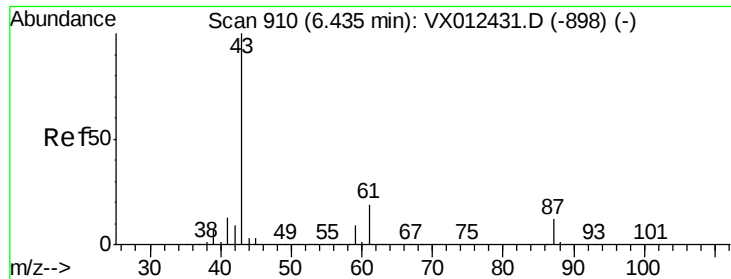
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#42
1,2-Dichloroethane
Concen: 116.540 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		371954		
98	9.2	0.0	18.4		





#43

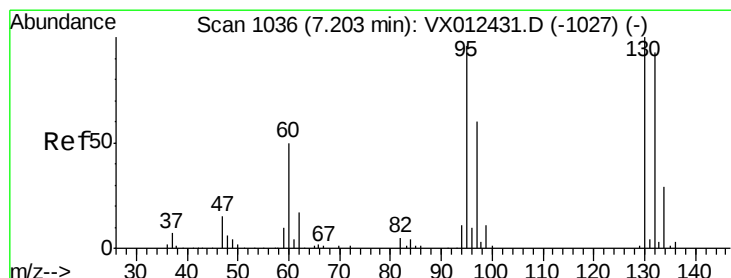
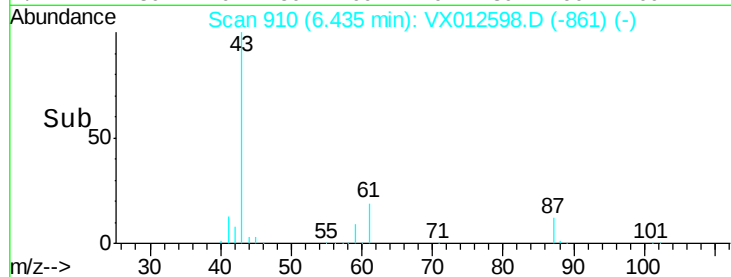
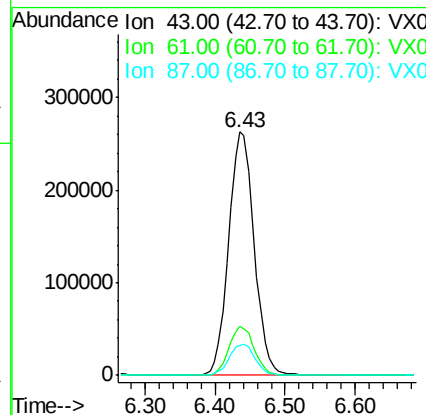
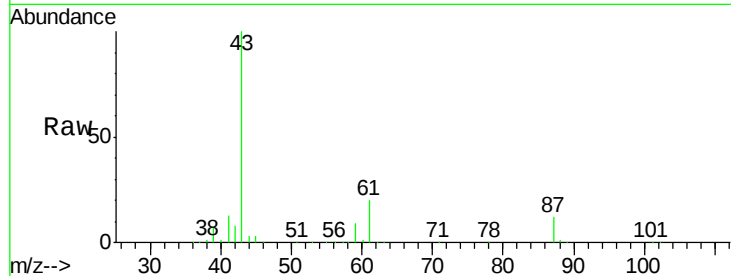
Isopropyl Acetate
 Concen: 113.281 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX012598.D
 Acq: 23 Sep 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.8	23.8
87	13.0	10.2	15.4

Manual Integrations
 APPROVED

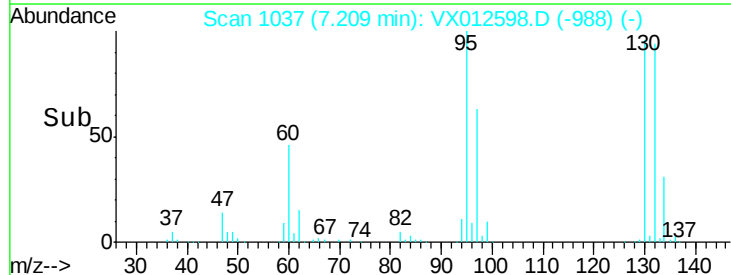
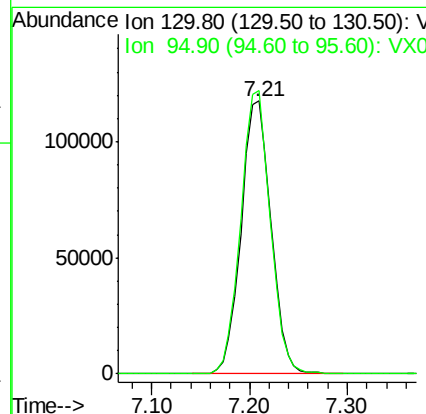
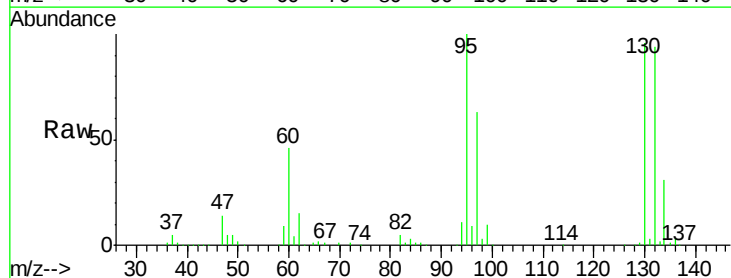
MMDadoda
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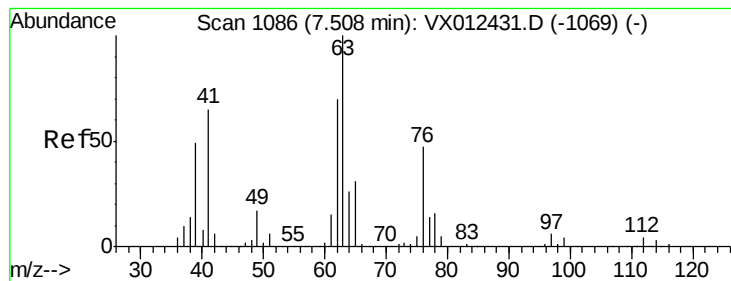


#44

Trichloroethene
 Concen: 134.928 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VX012598.D
 Acq: 23 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	204.8





#45

1,2-Dichloropropane

Concen: 119.875 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 254089

Ion Ratio Lower Upper

63 100

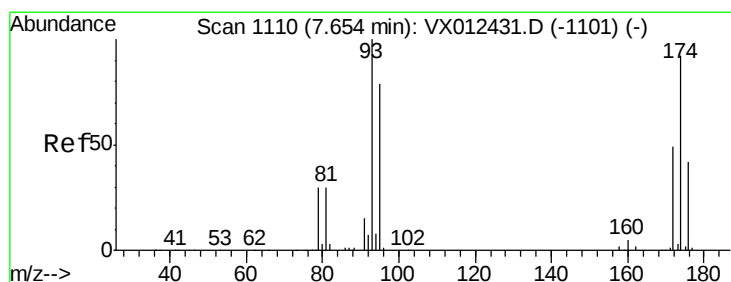
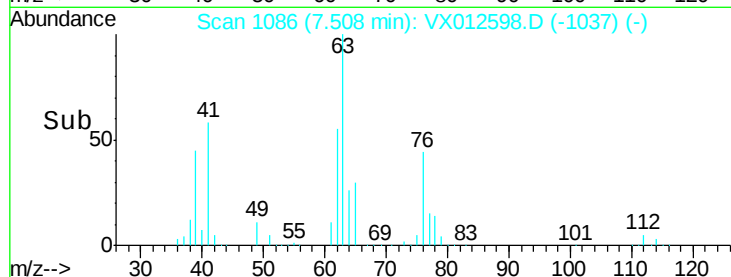
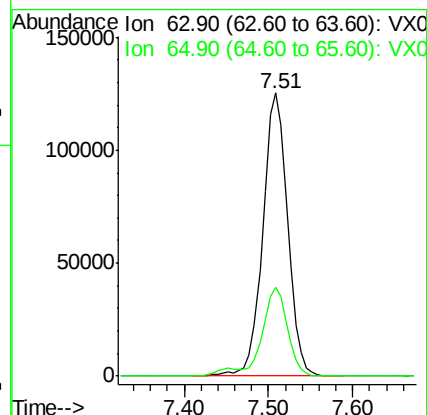
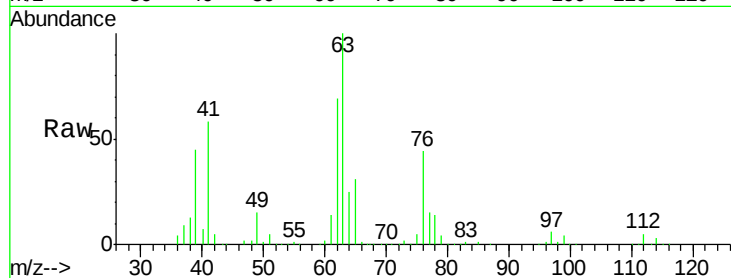
65 31.2 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 124.798 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

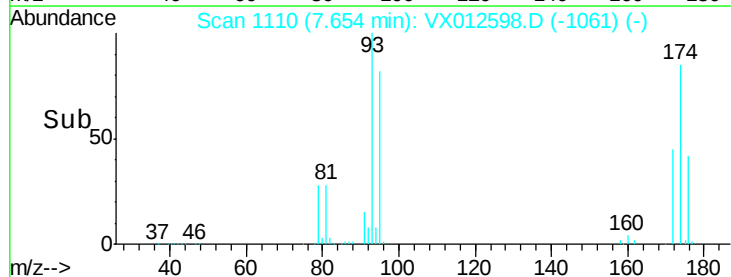
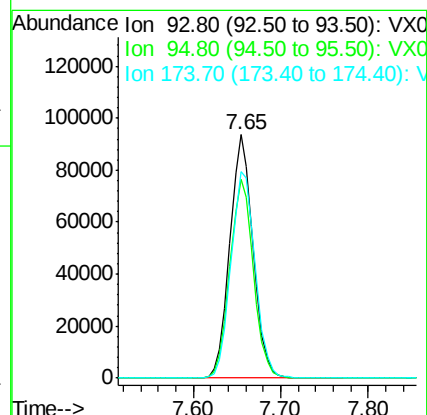
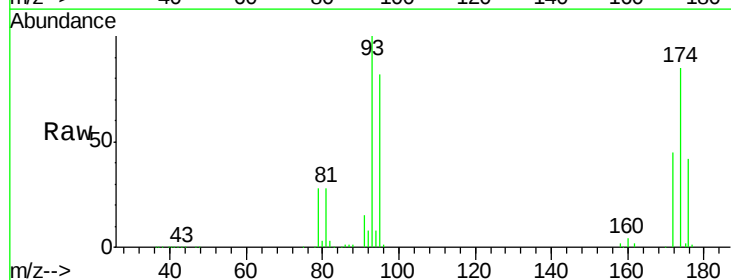
Tgt Ion: 93 Resp: 172364

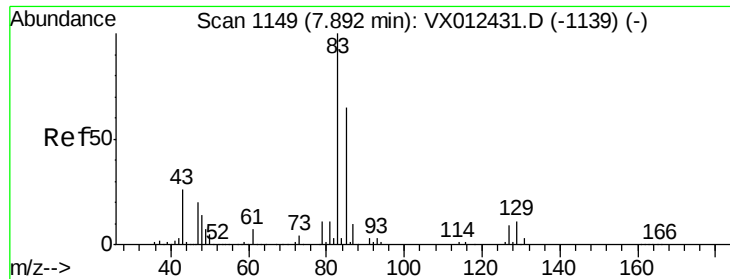
Ion Ratio Lower Upper

93 100

95 83.0 65.4 98.0

174 88.8 72.0 108.0





#47

Bromodichloromethane

Concen: 118.740 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

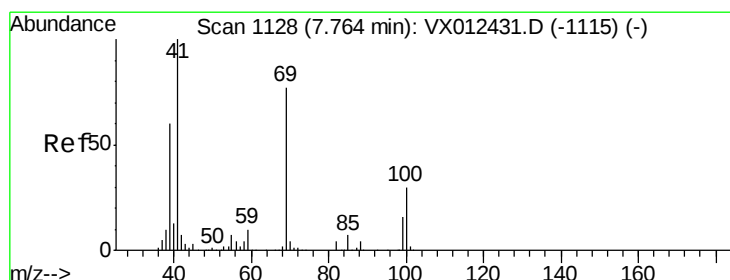
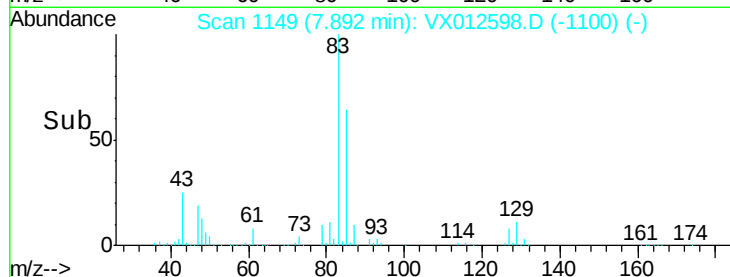
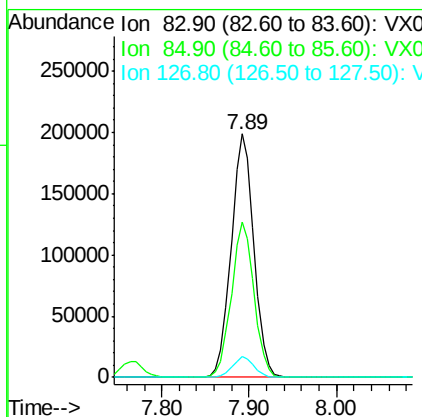
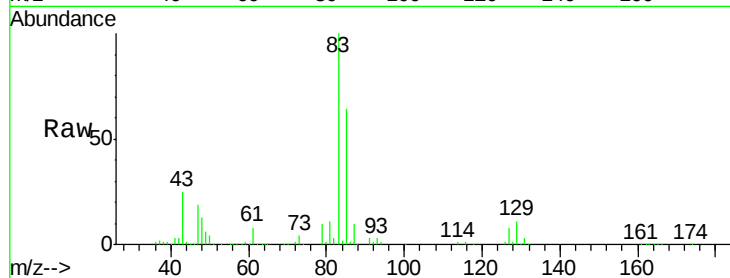
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	358007
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6
127	8.5	6.2	9.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 117.106 ug/l

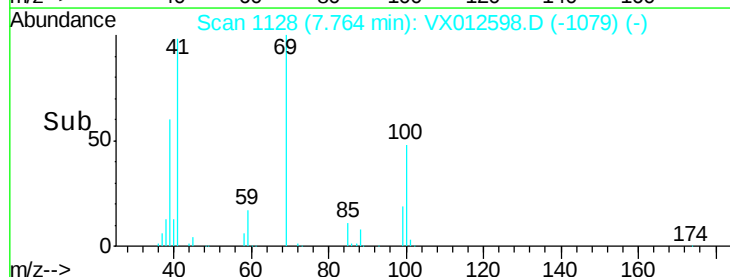
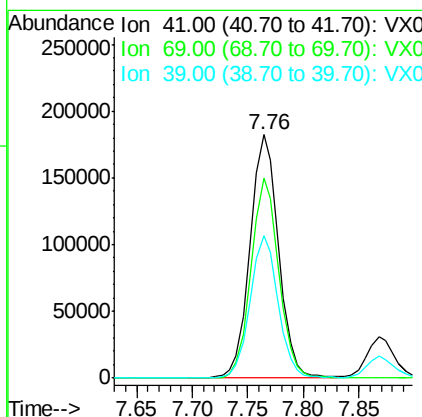
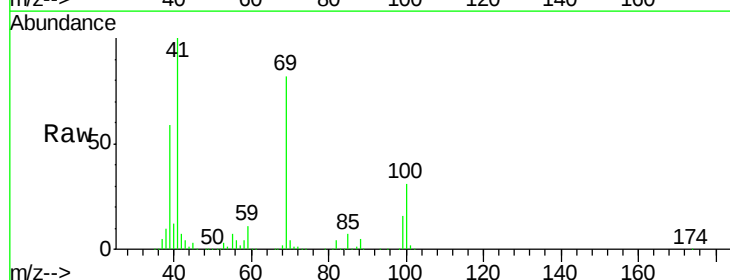
RT: 7.76 min Scan# 1128

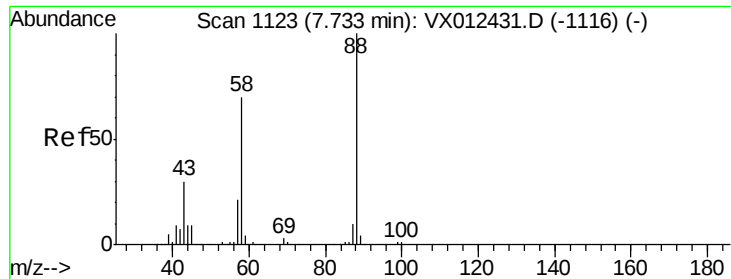
Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Tgt Ion:	41	Resp:	325320
Ion	Ratio	Lower	Upper
41	100		
69	80.3	62.6	93.8
39	57.5	44.4	66.6





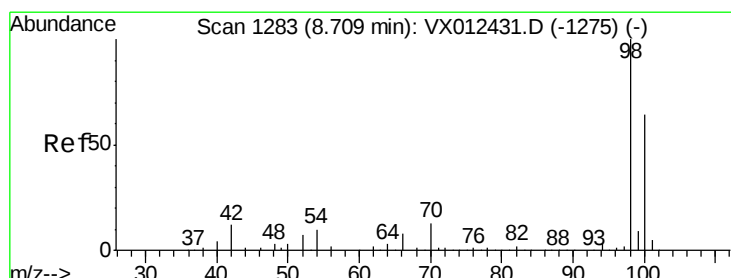
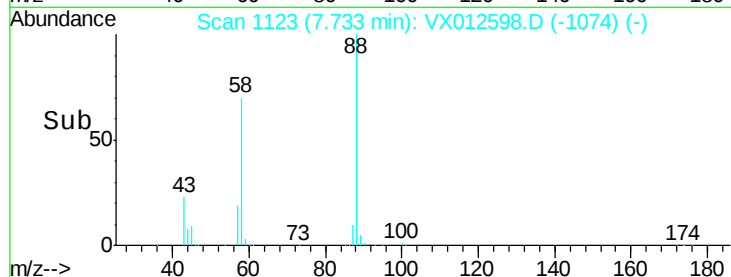
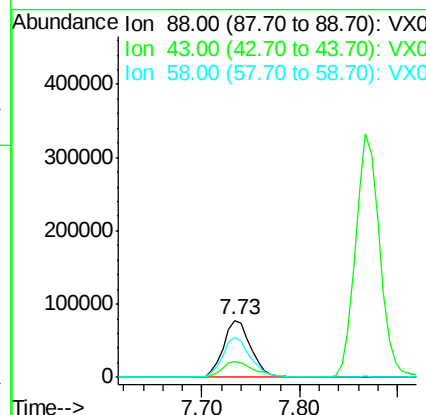
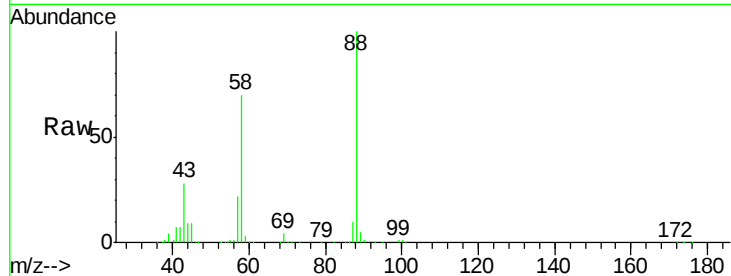
#49
1,4-Dioxane
Concen: 2254.921 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	27.6	41.4
58	71.6	57.1	85.7

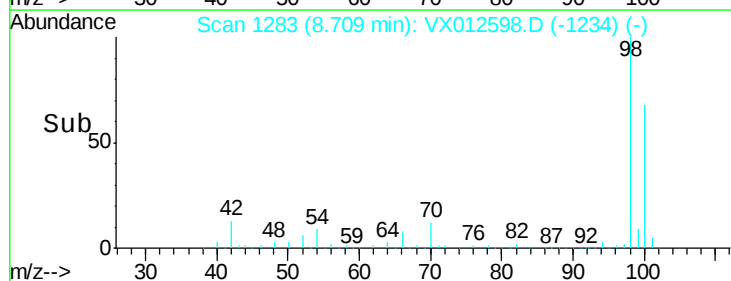
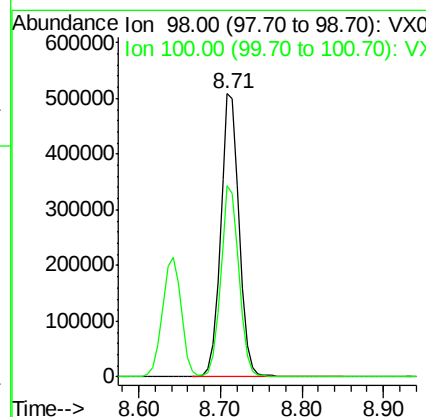
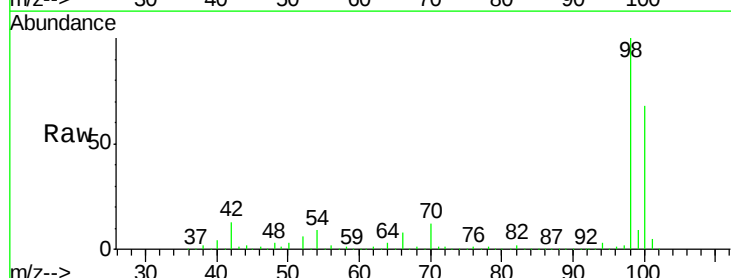
Manual Integrations
APPROVED

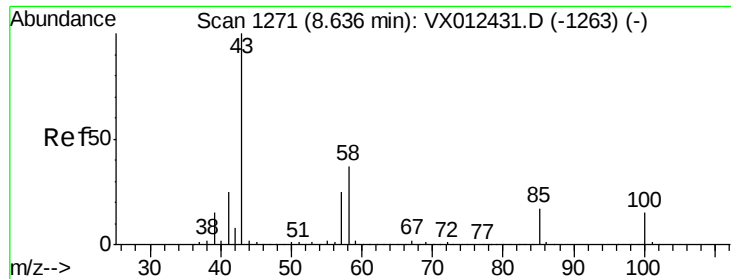
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#50
Toluene-d8
Concen: 102.240 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 551.004 ug/l

RT: 8.64 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2097690

Ion Ratio Lower Upper

43 100

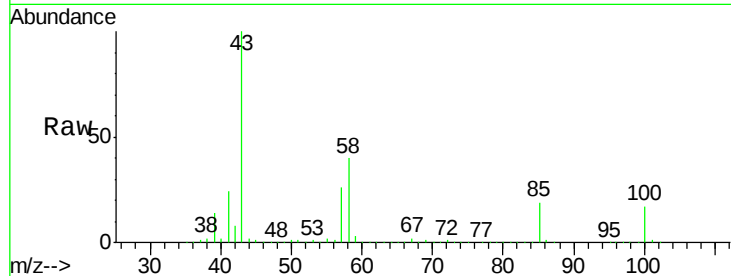
58 39.4 31.4 47.0

Manual Integrations

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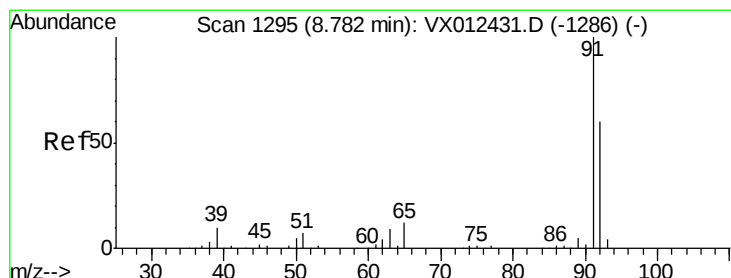
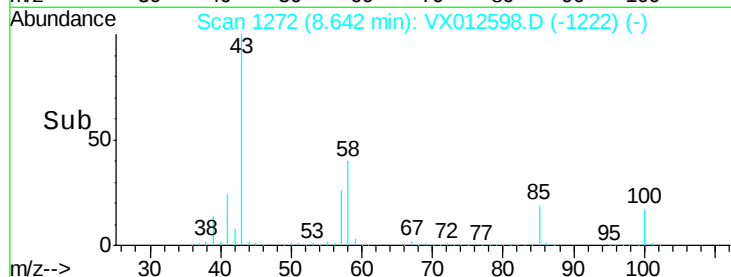
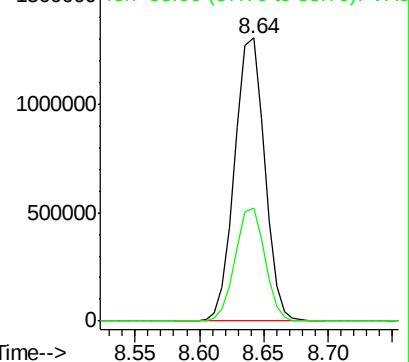
MMDadoda

9/24/2019 10:07:19 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 136.056 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX012598.D

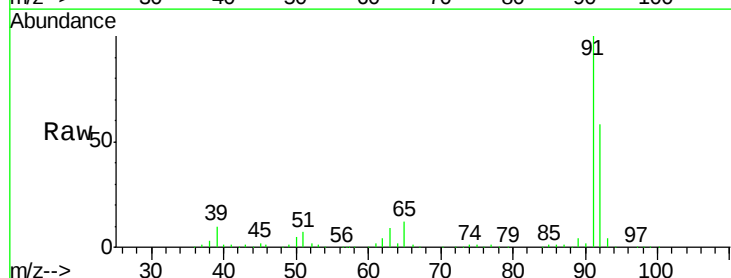
Acq: 23 Sep 2019 11:42

Tgt Ion: 92 Resp: 621792

Ion Ratio Lower Upper

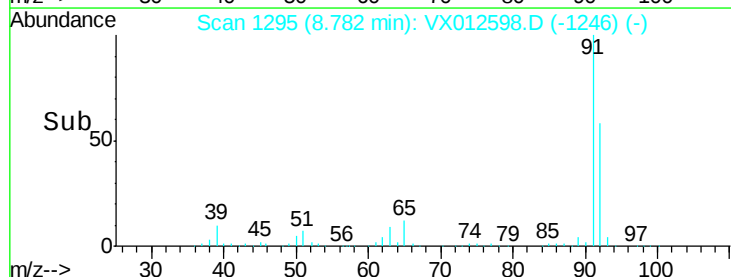
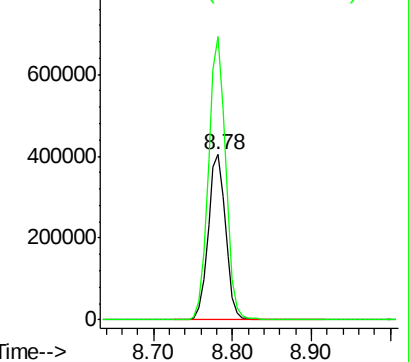
92 100

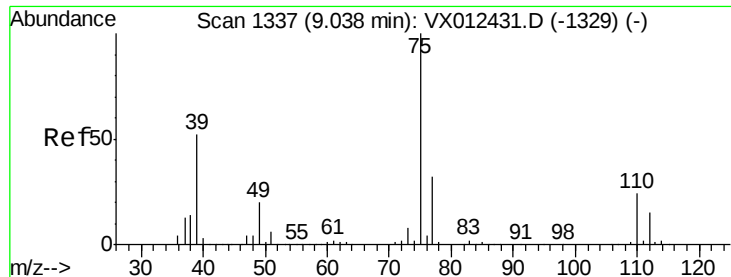
91 168.5 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





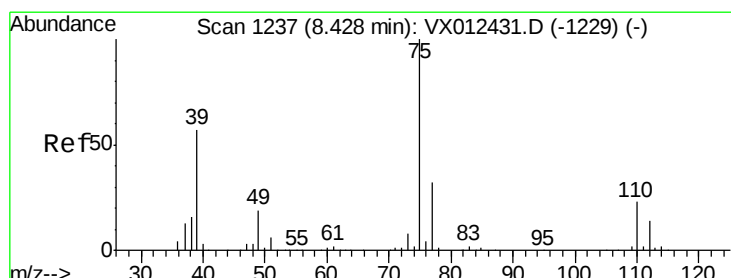
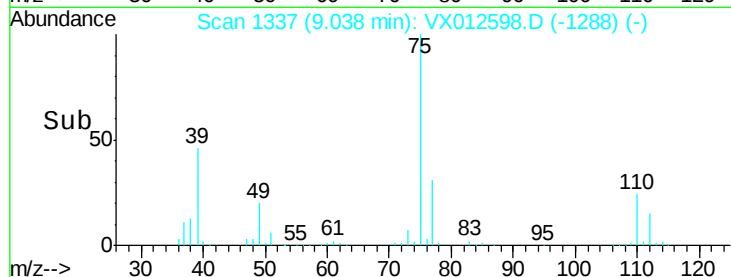
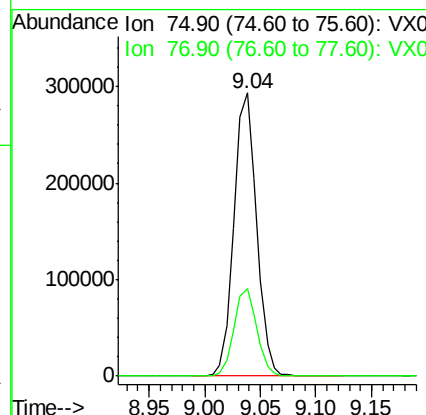
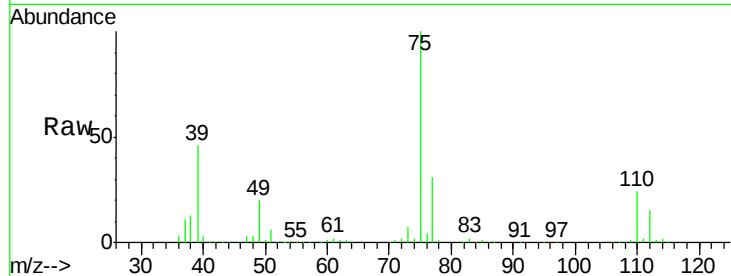
#53
t-1,3-Dichloropropene
Concen: 130.745 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
75	100	413910		
77	31.1	24.9	37.3	

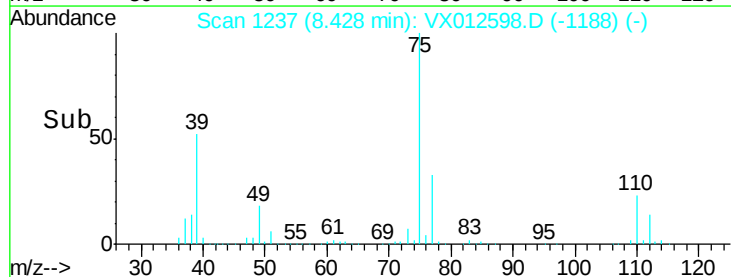
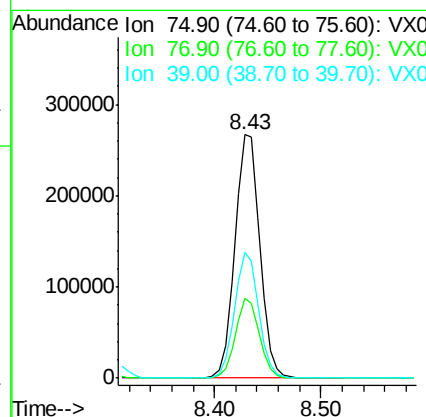
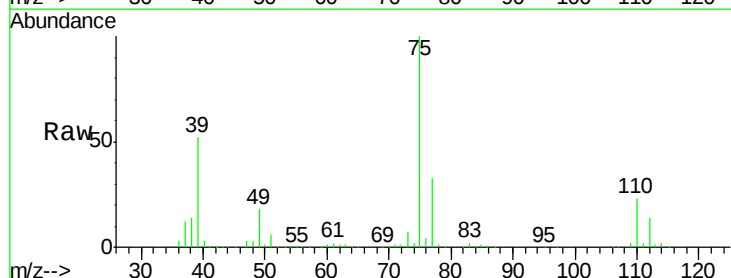
Manual Integrations
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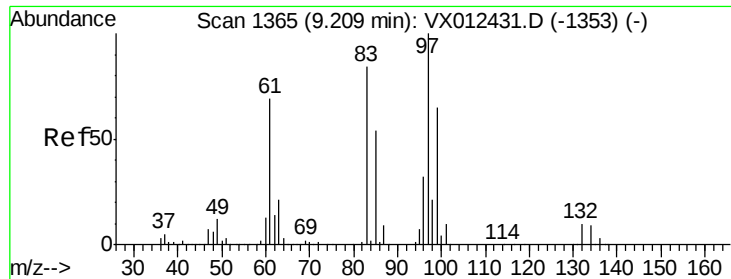
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#54
cis-1,3-Dichloropropene
Concen: 132.251 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	437597		
77	32.5	25.5	38.3	
39	51.7	40.7	61.1	





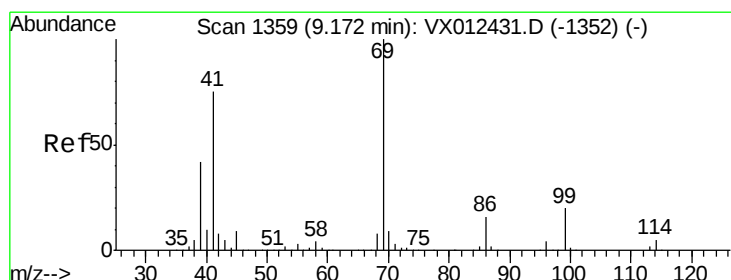
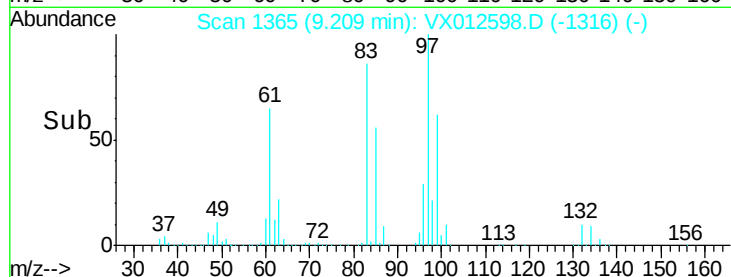
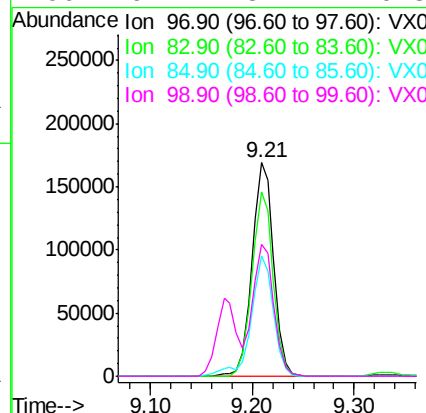
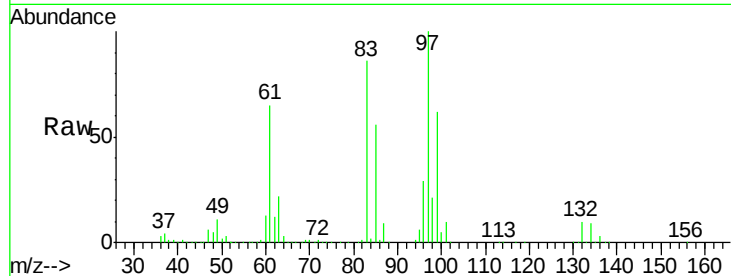
#55
 1,1,2-Trichloroethane
 Concen: 110.791 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012598.D
 Acq: 23 Sep 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	249438
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.5	105.7
85	56.3	43.9	65.9
99	61.7	51.2	76.8

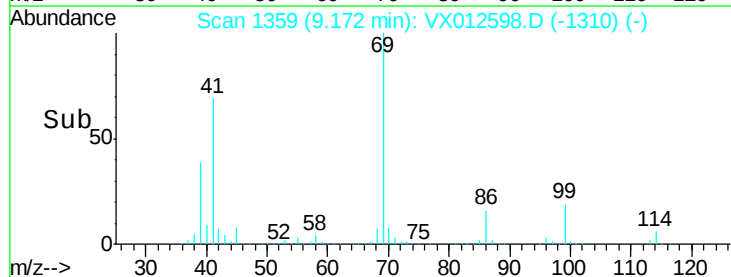
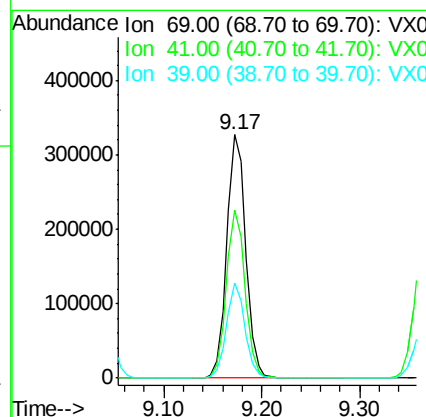
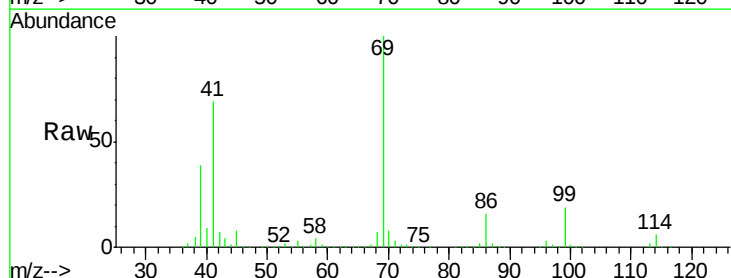
Manual Integrations
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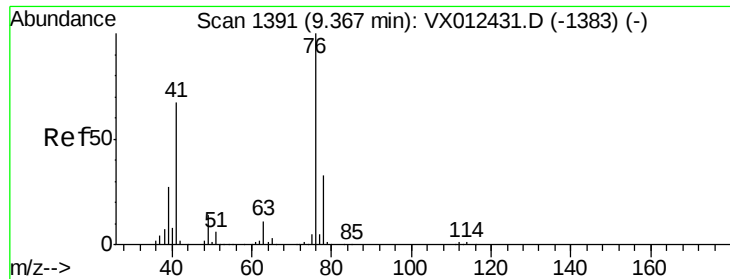
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#56
 Ethyl methacrylate
 Concen: 123.906 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012598.D
 Acq: 23 Sep 2019 11:42

Tgt Ion:	69	Resp:	441181
Ion	Ratio	Lower	Upper
69	100		
41	68.4	54.7	82.1
39	37.9	30.6	46.0





#57

1,3-Dichloropropane

Concen: 118.162 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 429238

Ion Ratio Lower Upper

76 100

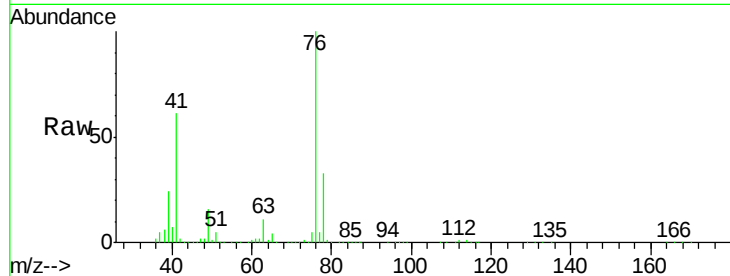
78 32.7 26.0 39.0

Manual Integrations

APPROVED

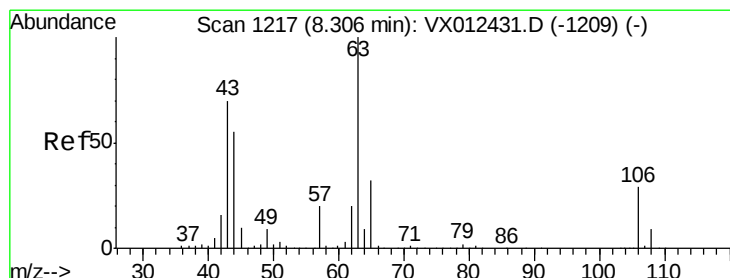
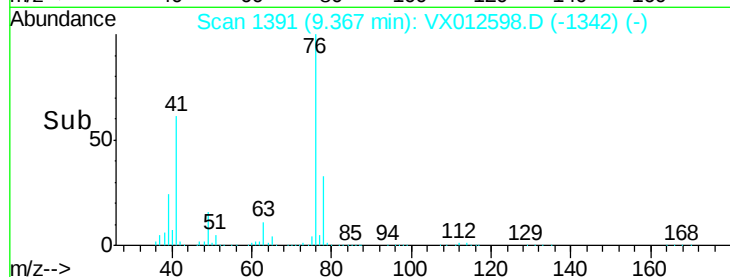
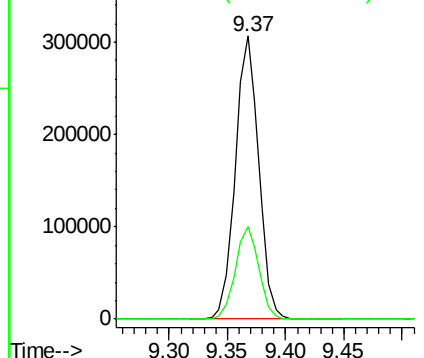
MMDadoda

9/24/2019 10:07:19 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 546.370 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012598.D

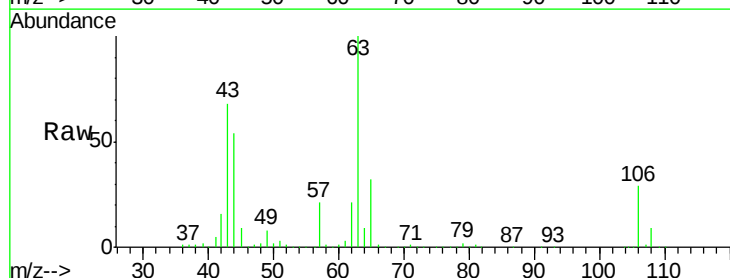
Acq: 23 Sep 2019 11:42

Tgt Ion: 63 Resp: 995269

Ion Ratio Lower Upper

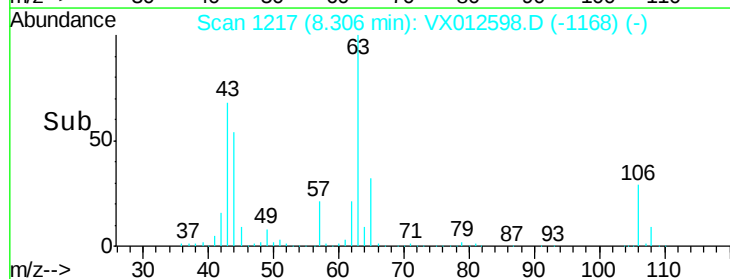
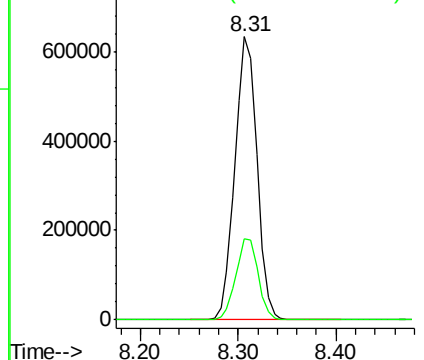
63 100

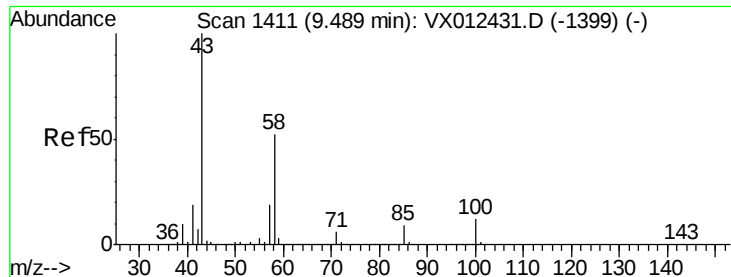
106 29.0 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





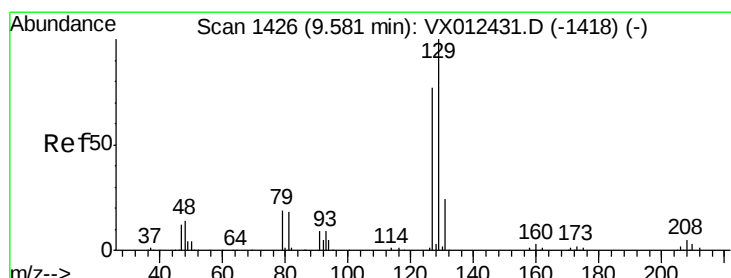
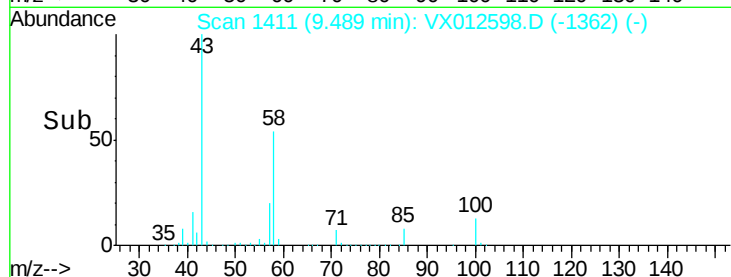
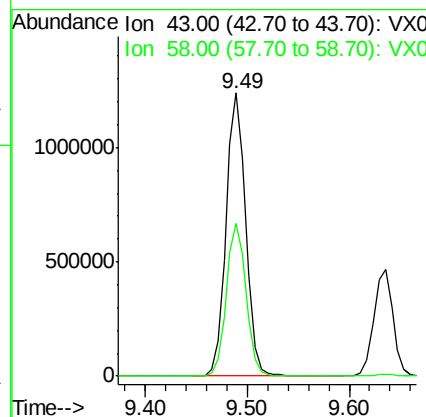
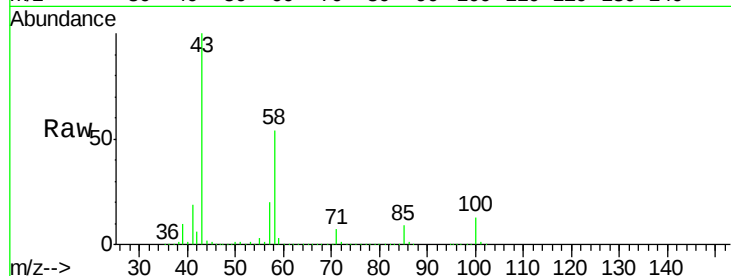
#59
2-Hexanone
Concen: 558.090 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1659486
Ion Ratio Lower Upper
43 100
58 54.1 26.8 80.4

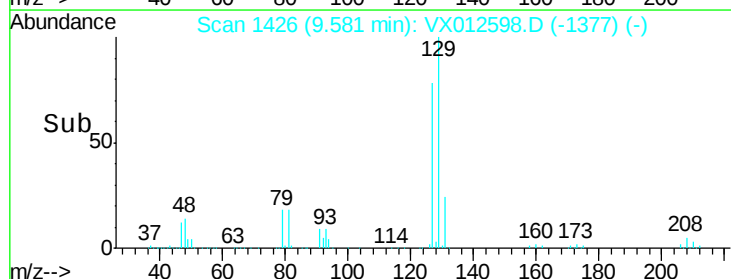
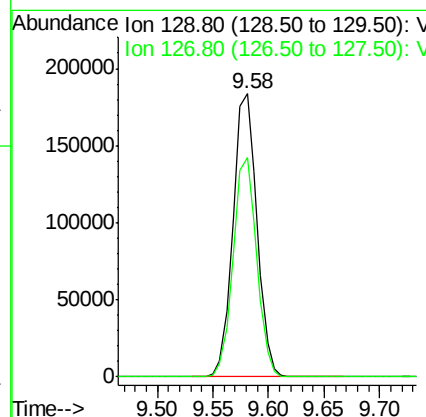
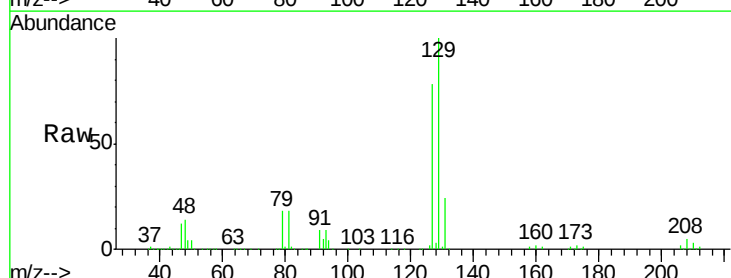
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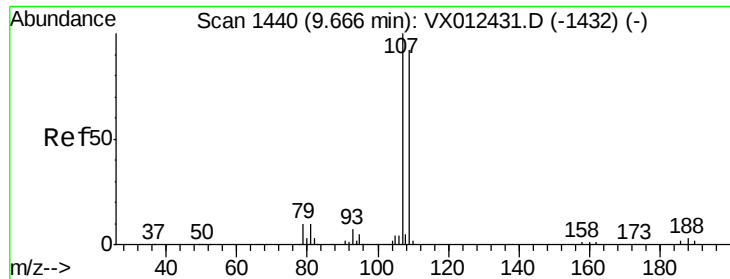
MMDadoda
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#60
Dibromochloromethane
Concen: 119.498 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Tgt Ion: 129 Resp: 272351
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.7





#61

1,2-Dibromoethane

Concen: 126.562 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 264745

Ion Ratio Lower Upper

107 100

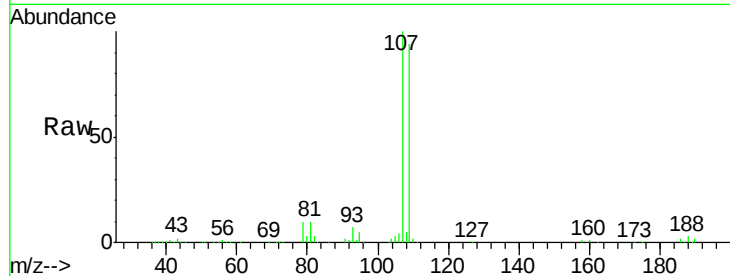
109 93.8 74.3 111.5

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

200000

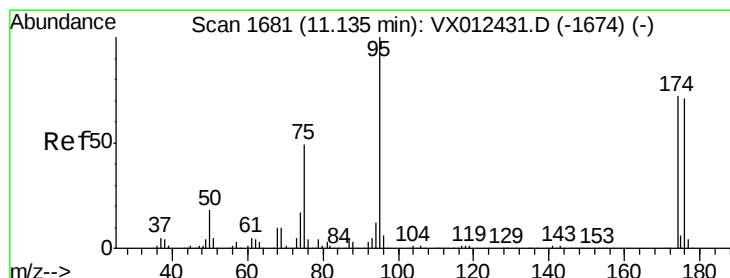
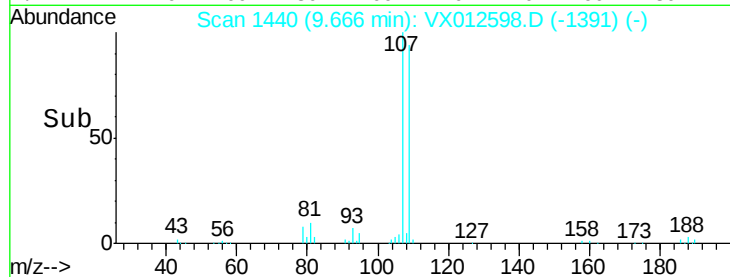
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 102.038 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

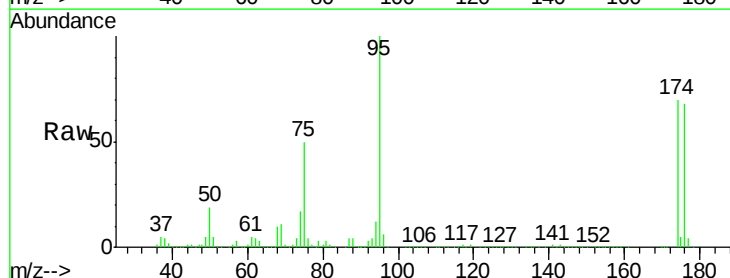
Tgt Ion: 95 Resp: 330882

Ion Ratio Lower Upper

95 100

174 68.3 0.0 134.6

176 65.6 0.0 132.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

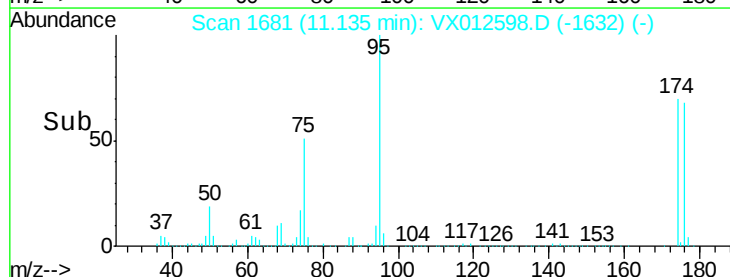
300000

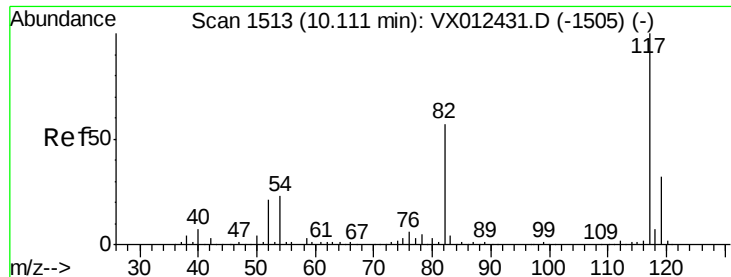
200000

100000

0

Time-->





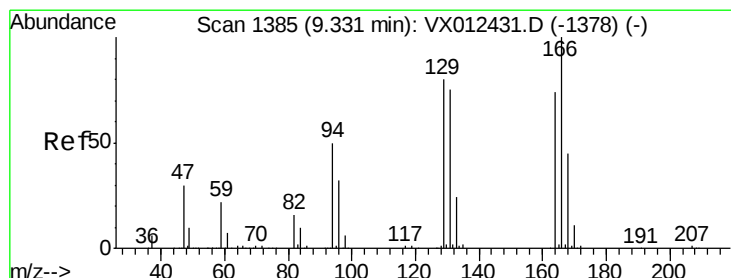
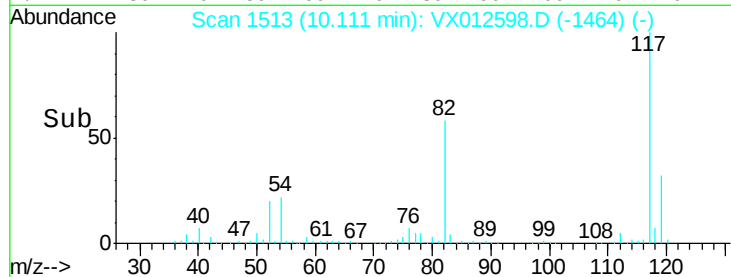
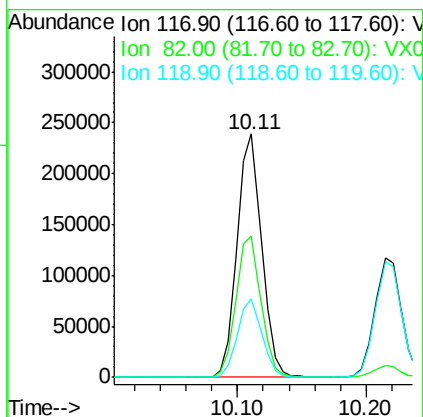
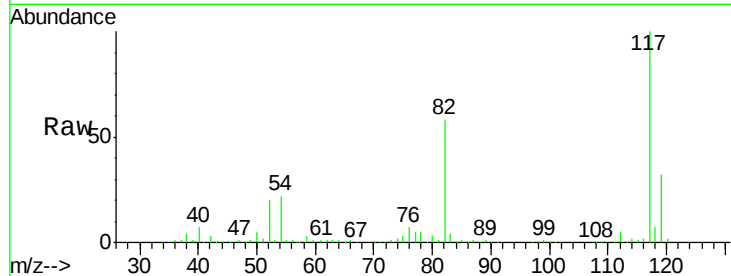
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.0	70.4
119	32.0	25.8	38.6

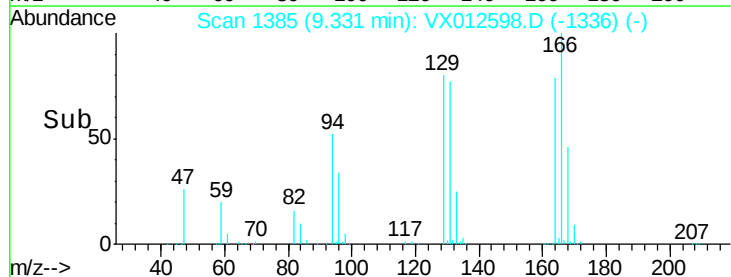
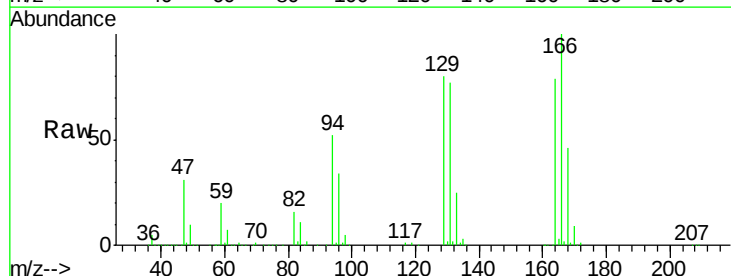
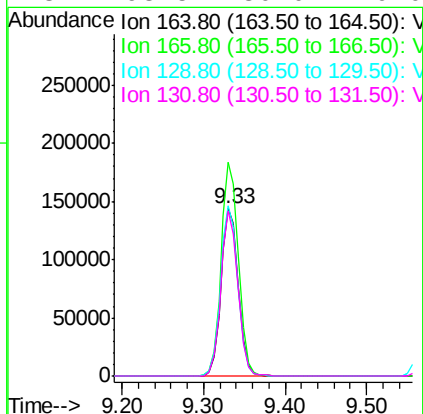
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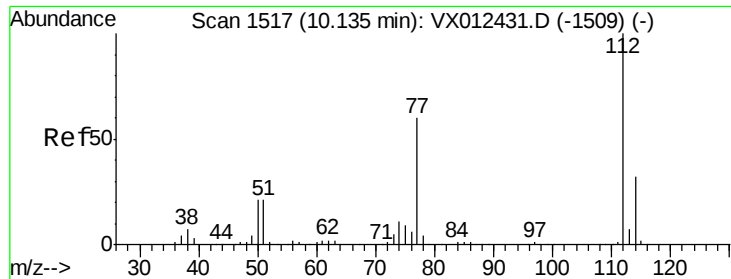
MMDadoda
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#64
Tetrachloroethene
Concen: 136.369 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.3	151.9
129	101.6	81.1	121.7
131	98.5	80.0	120.0





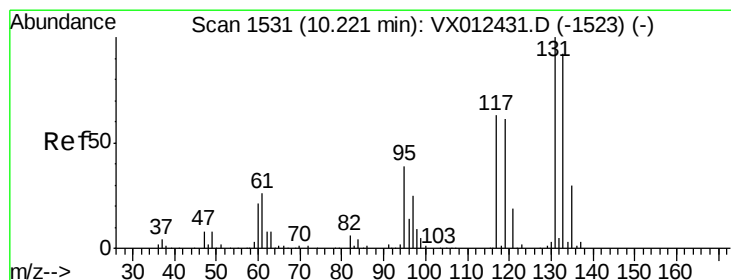
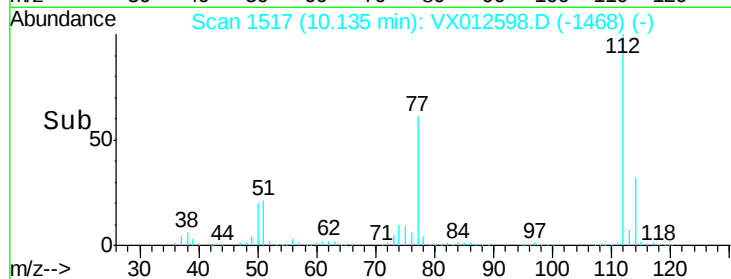
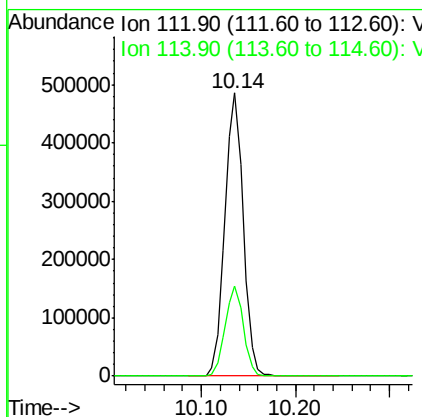
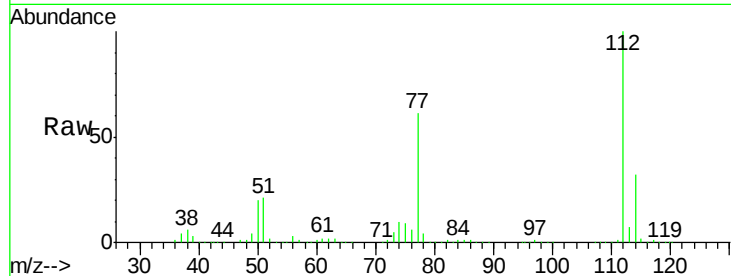
#65
Chlorobenzene
Concen: 121.740 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion:112 Resp: 658636
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3

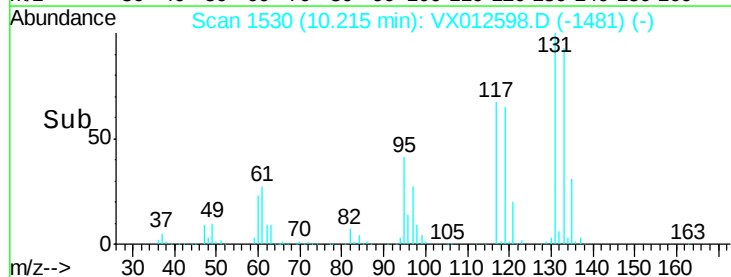
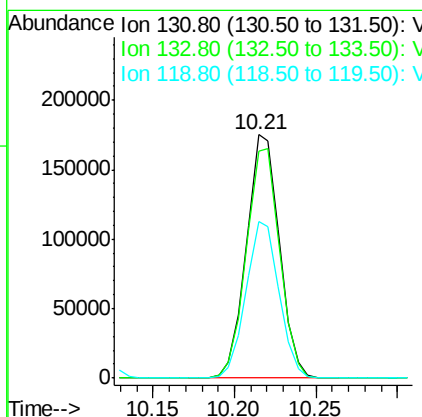
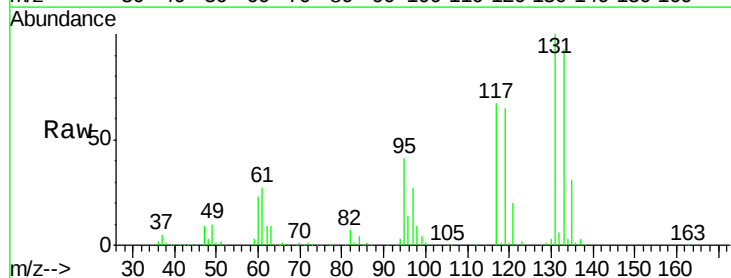
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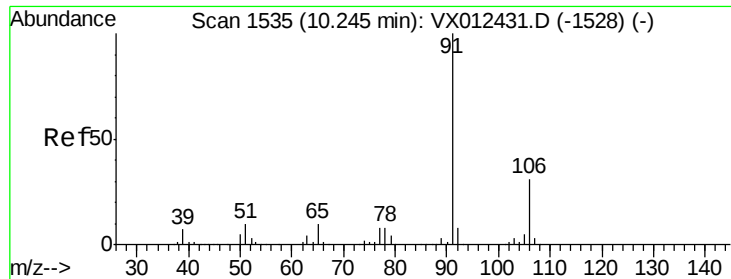
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#66
1,1,1,2-Tetrachloroethane
Concen: 113.010 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Tgt Ion:131 Resp: 246723
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.2
119 64.6 33.0 99.0





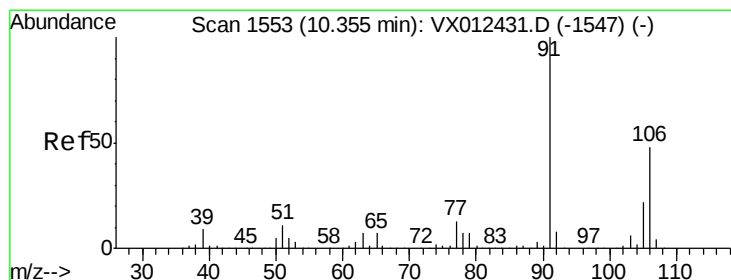
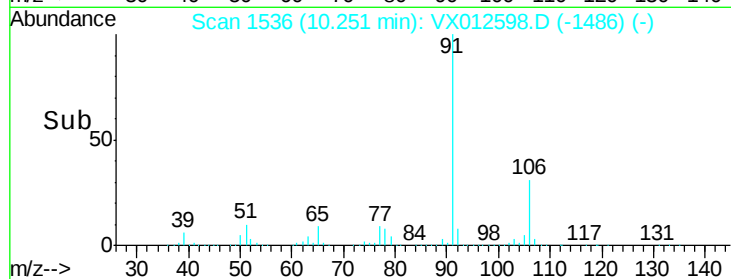
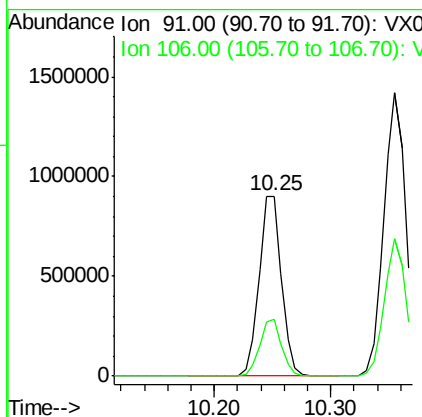
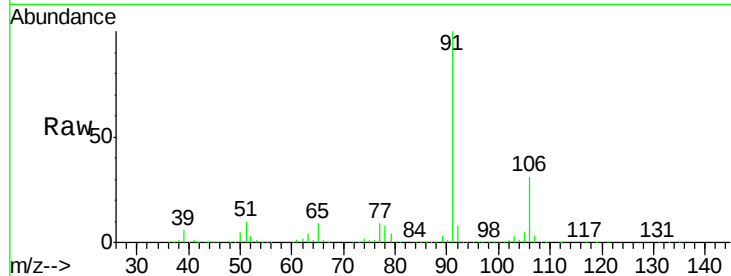
#67
Ethyl Benzene
Concen: 129.395 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1212269
Ion Ratio Lower Upper
91 100
106 31.3 23.8 35.6

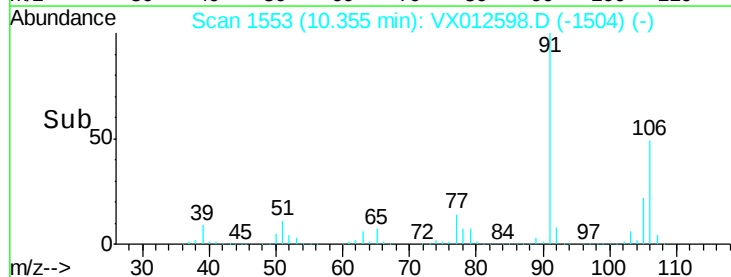
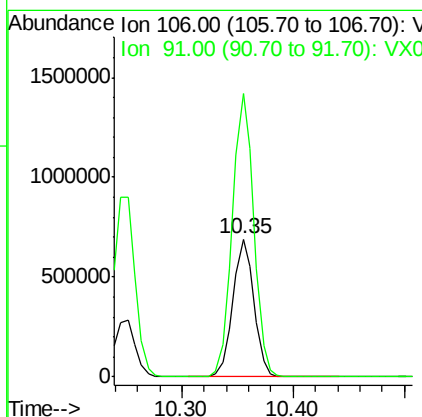
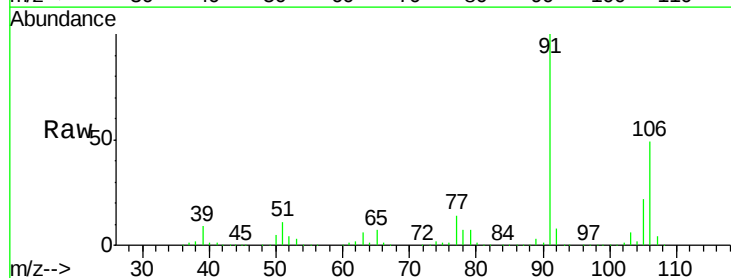
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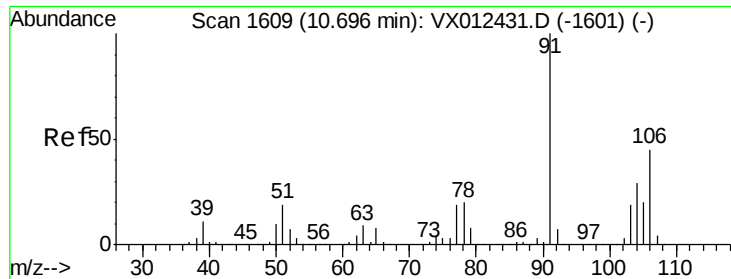
MMDadoda
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#68
m/p-Xylenes
Concen: 262.970 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Tgt Ion: 106 Resp: 902135
Ion Ratio Lower Upper
106 100
91 209.2 167.3 250.9





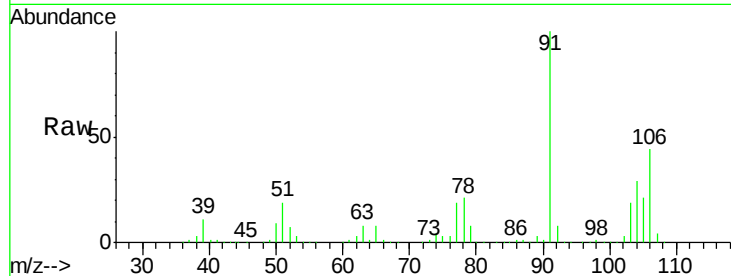
#69
o-Xylene
Concen: 126.132 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

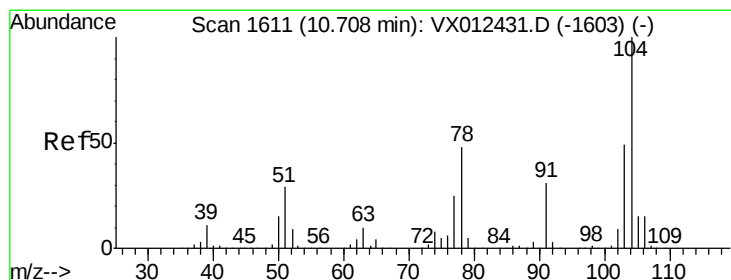
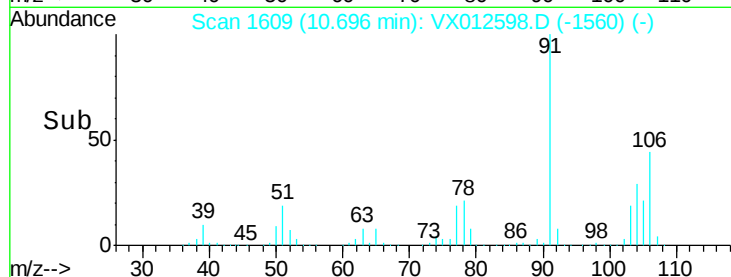
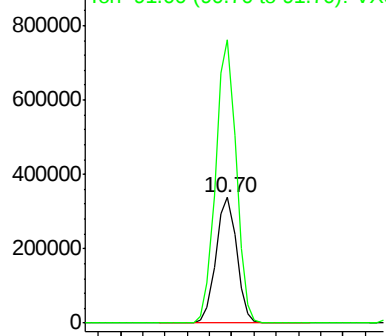
Tot Ion:106 Resp: 438921
Ion Ratio Lower Upper
106 100
91 222.7 110.3 331.0

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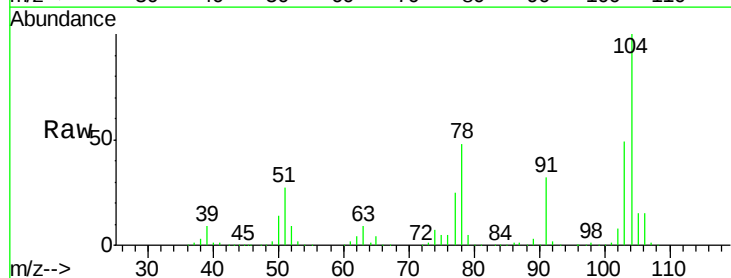


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

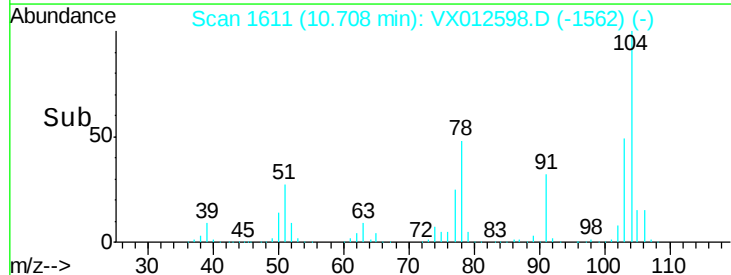
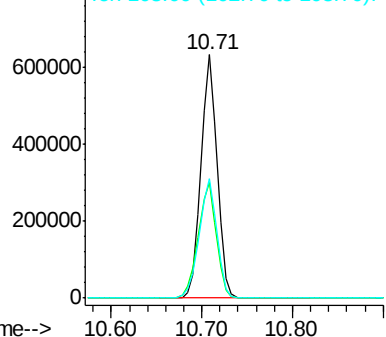


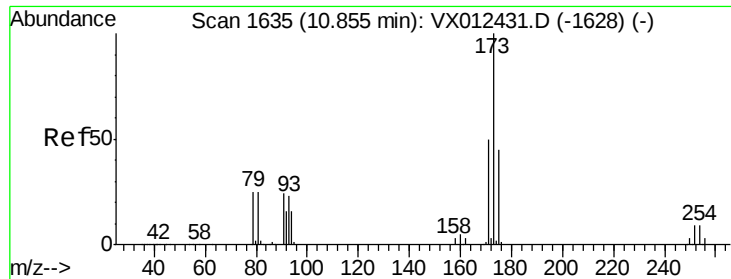
#70
Styrene
Concen: 128.488 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Tgt Ion:104 Resp: 785669
Ion Ratio Lower Upper
104 100
78 53.2 43.4 65.2
103 53.6 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 121.408 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

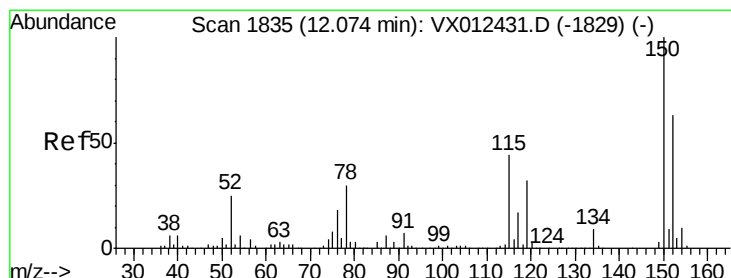
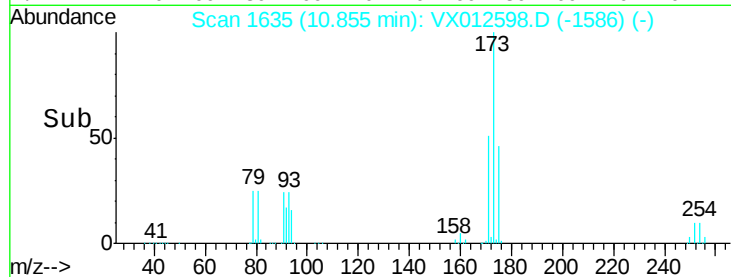
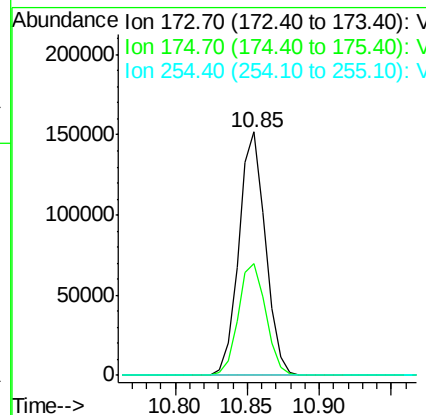
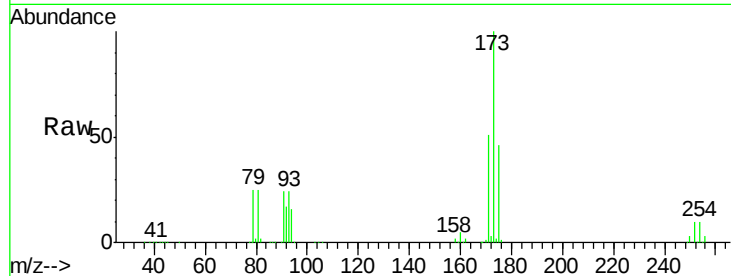
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.6	73.8
254	0.1	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

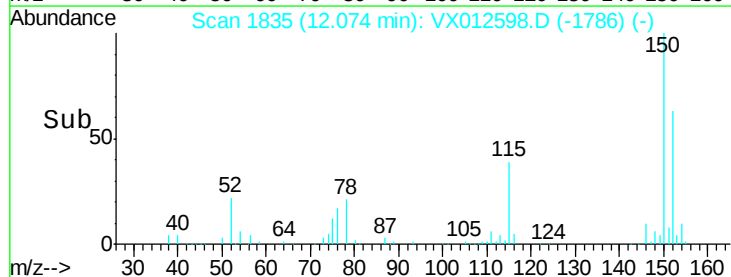
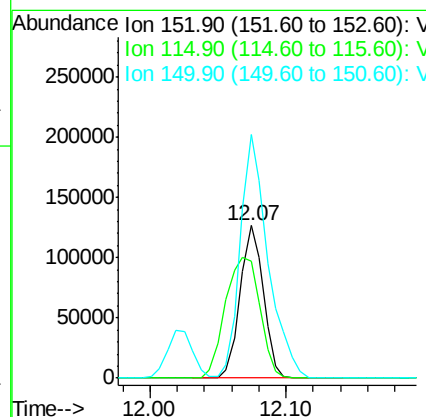
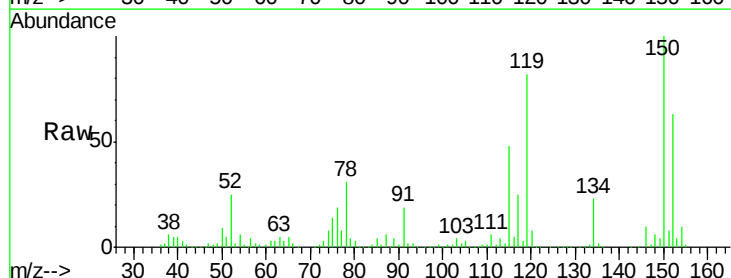
RT: 12.07 min Scan# 1835

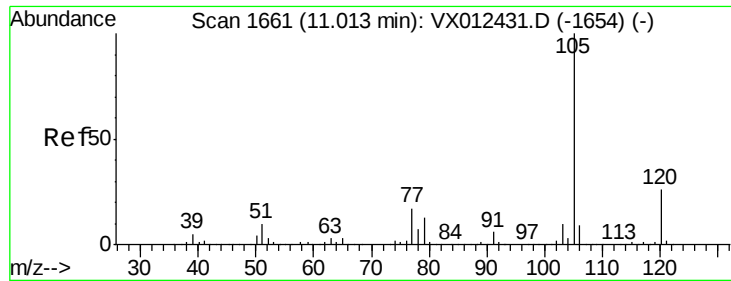
Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	117.3	45.2	135.6
150	190.3	0.0	346.2





#73

Isopropylbenzene

Concen: 120.950 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1178959

Ion Ratio Lower Upper

105 100

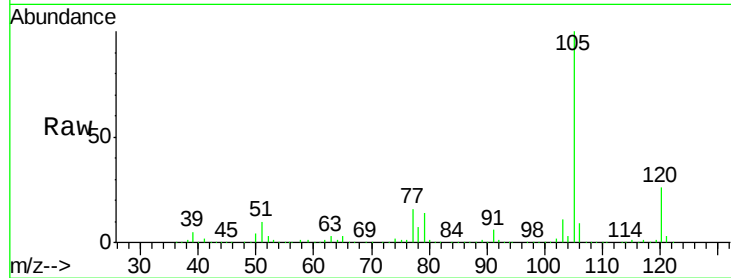
120 25.8 12.9 38.7

Manual Integrations

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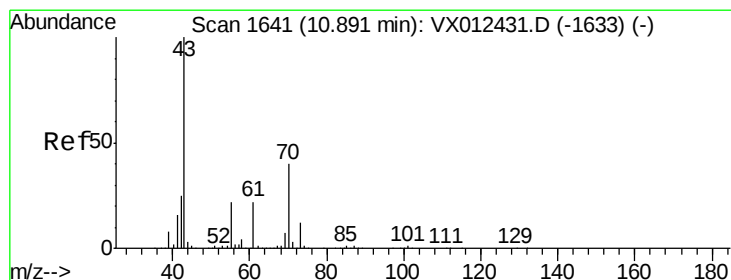
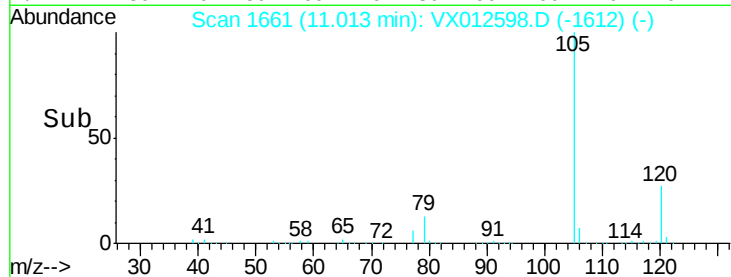
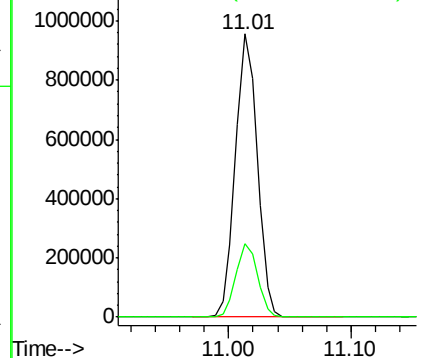
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 118.479 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Tgt Ion: 43 Resp: 609467

Ion Ratio Lower Upper

43 100

70 42.3 33.8 50.8

55 23.3 19.2 28.8

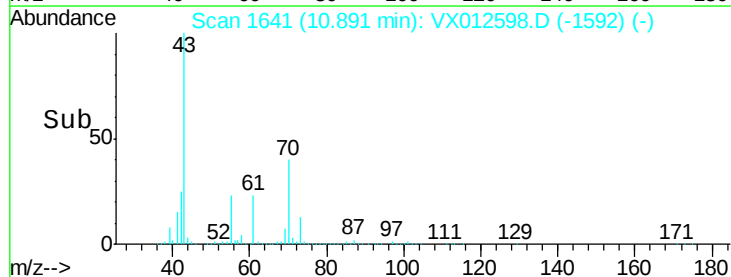
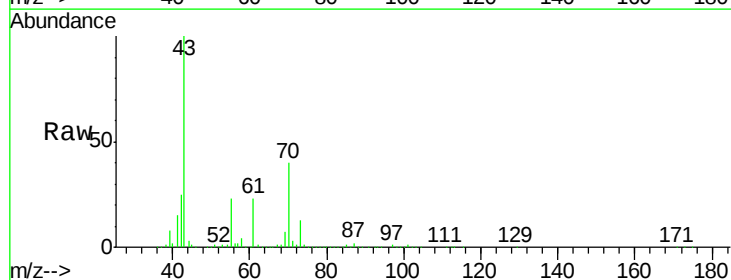
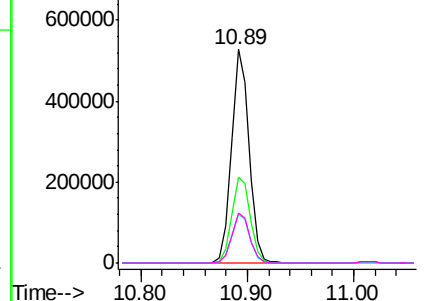
61 24.1 19.4 29.0

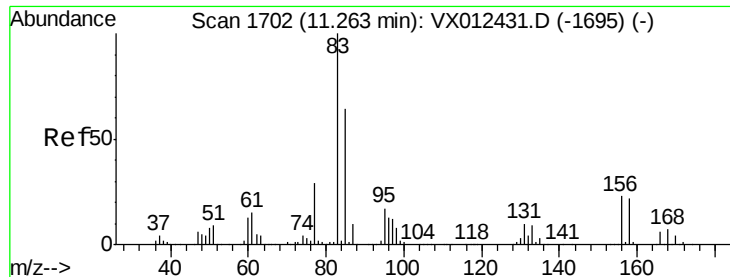
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 108.254 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

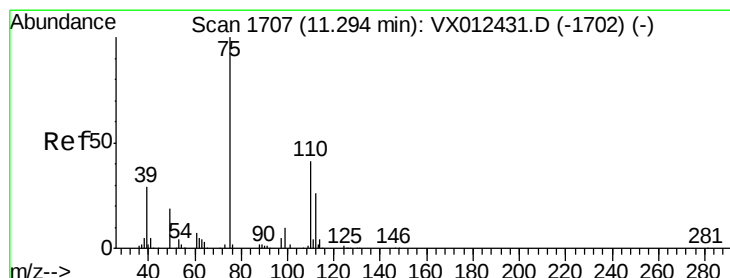
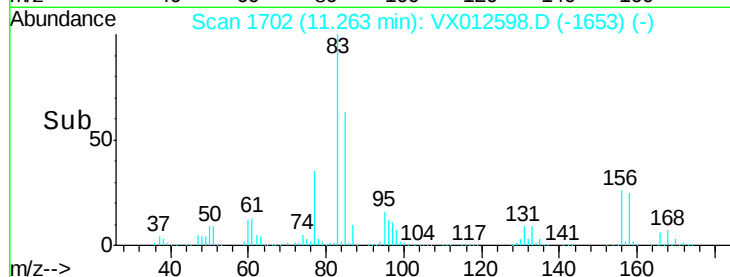
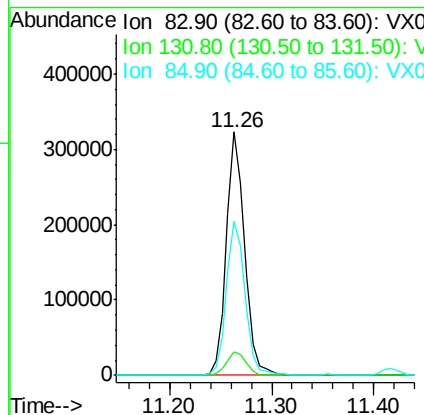
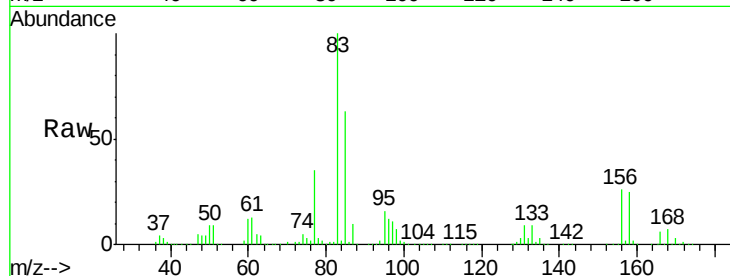
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	402542
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.4
85	64.7	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 112.874 ug/l m

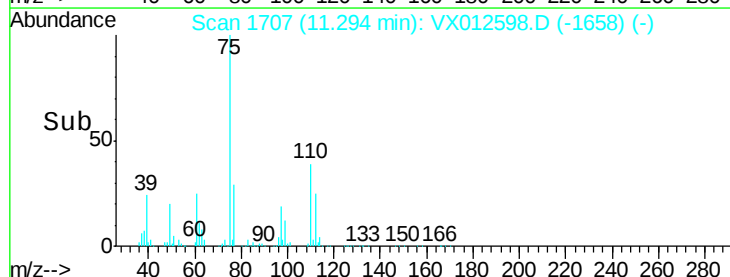
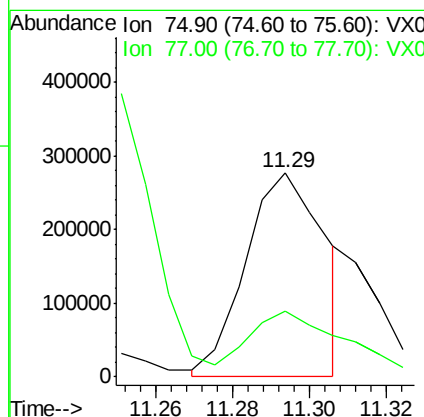
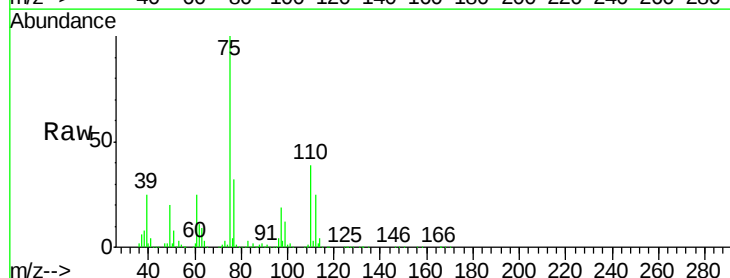
RT: 11.29 min Scan# 1707

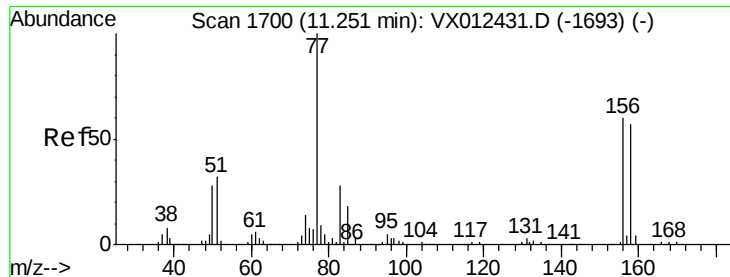
Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Tgt Ion:	75	Resp:	394090
Ion Ratio	Lower	Upper	
75	100		
77	39.5	19.3	57.8





#77

Bromobenzene

Concen: 116.542 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 273388

Ion Ratio Lower Upper

156 100

77 179.7 91.2 273.6

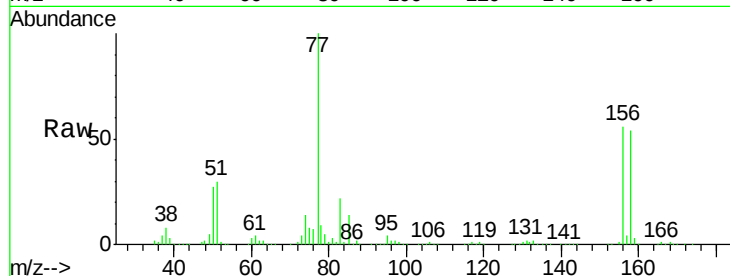
158 95.6 48.0 144.2

Manual Integrations

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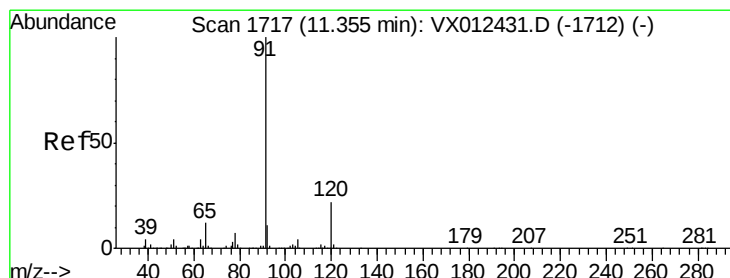
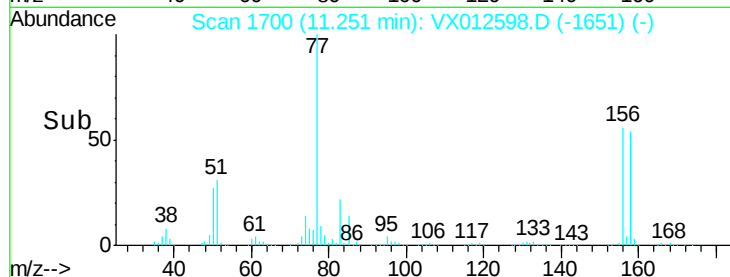
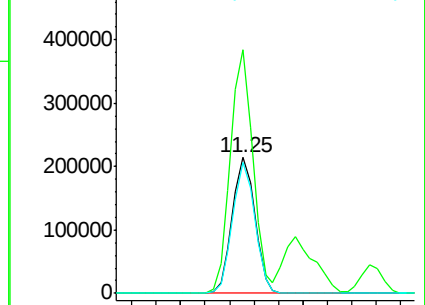
9/24/2019 10:07:19 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 126.186 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012598.D

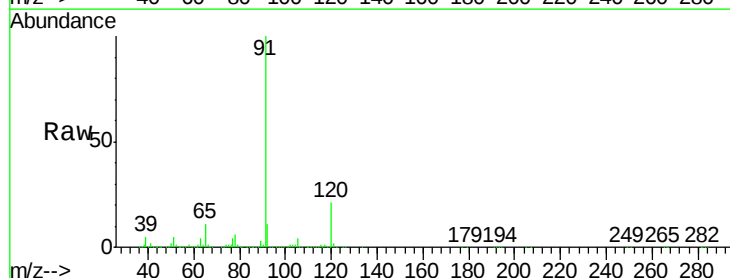
Acq: 23 Sep 2019 11:42

Tgt Ion: 91 Resp: 1371151

Ion Ratio Lower Upper

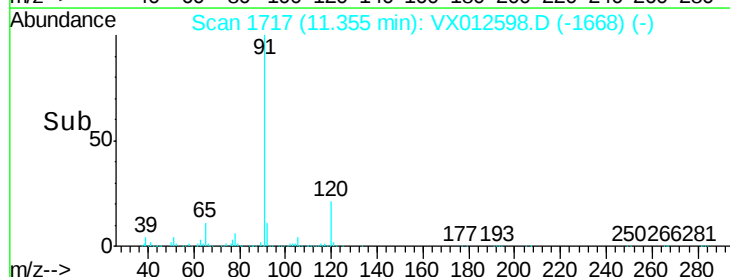
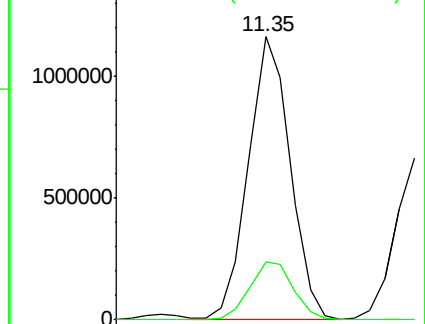
91 100

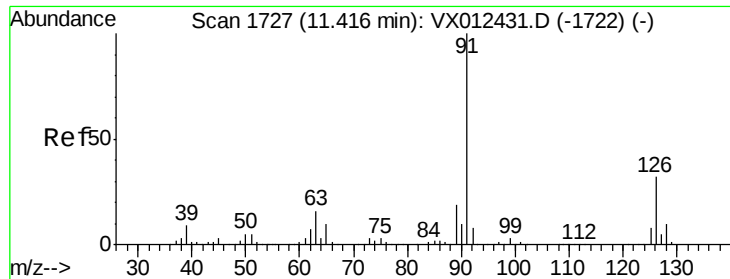
120 21.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





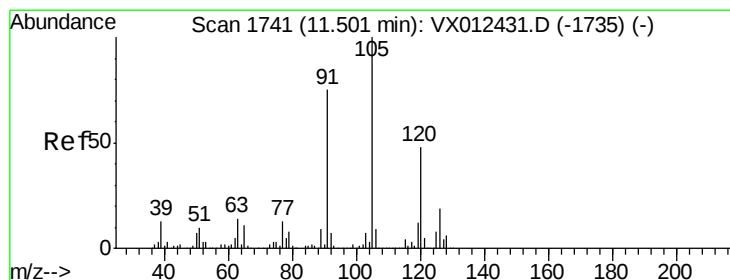
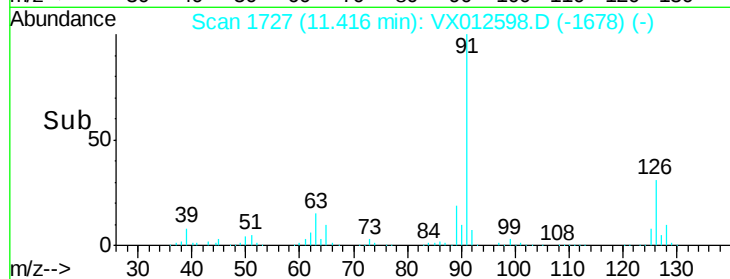
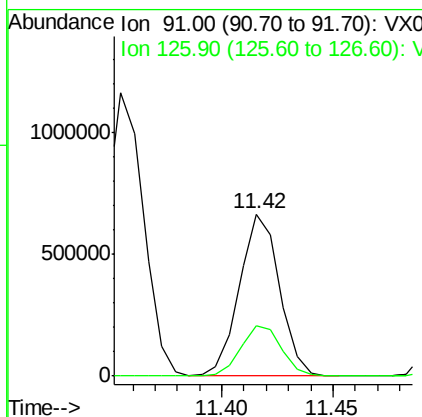
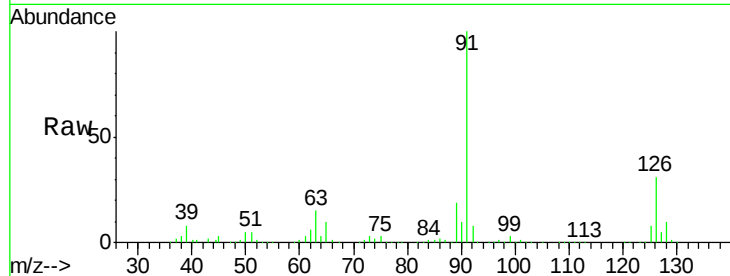
#79
2-Chlorotoluene
Concen: 118.321 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.1	48.3

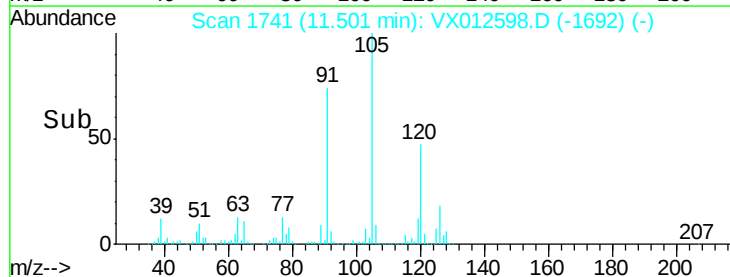
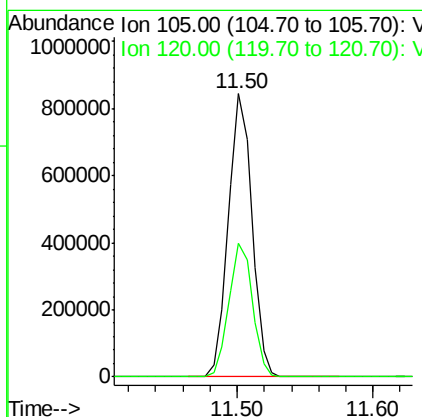
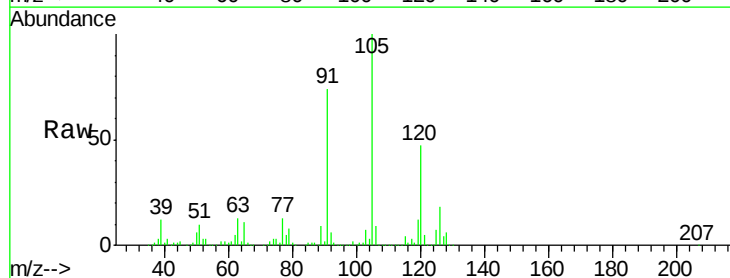
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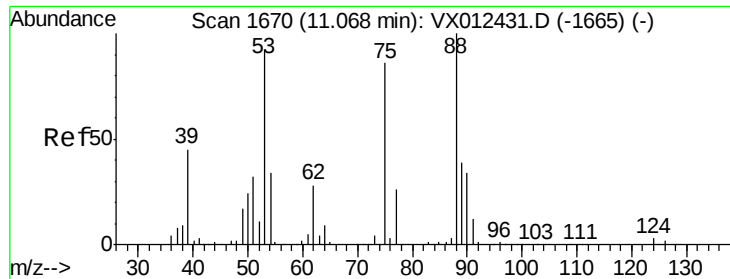
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 122.839 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	24.1	72.2





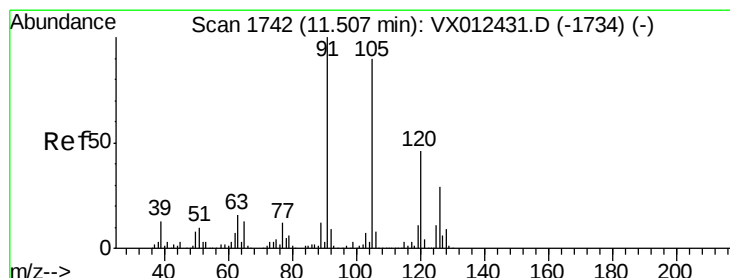
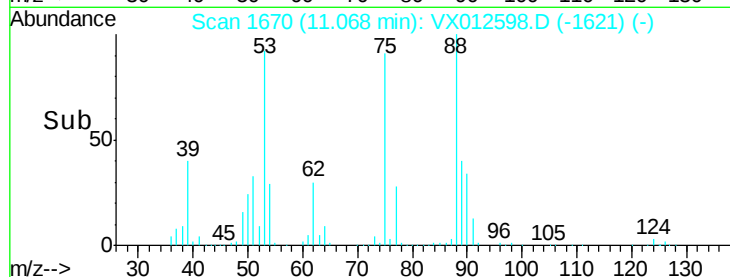
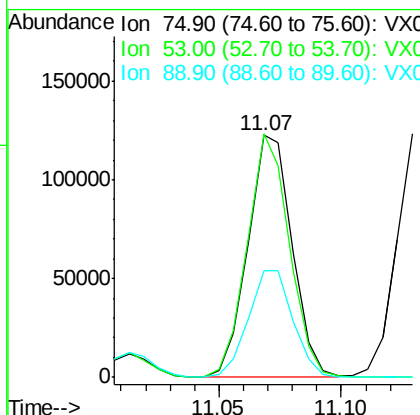
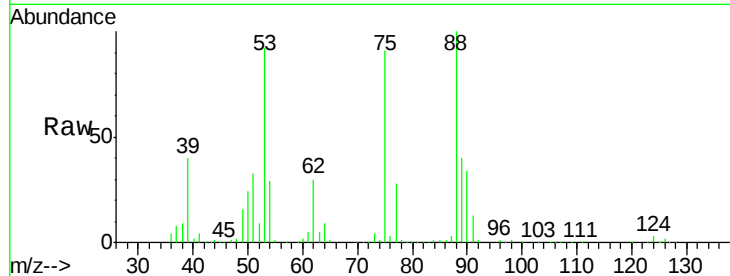
#81
trans-1,4-Dichloro-2-butene
Concen: 128.999 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.3	79.5	119.3
89	45.1	36.8	55.2

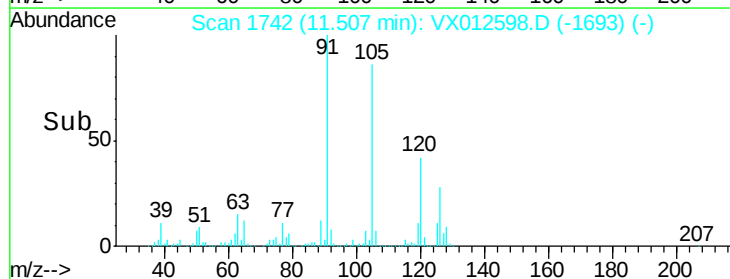
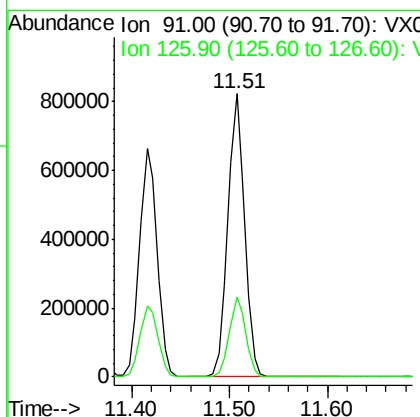
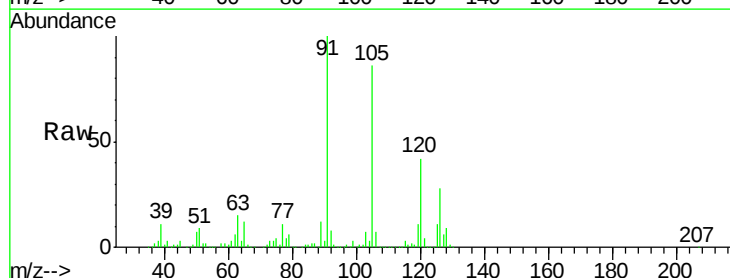
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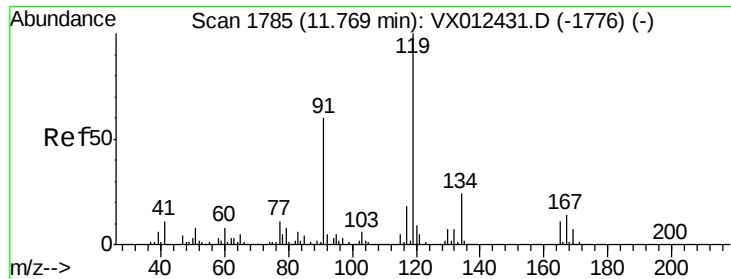
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#82
4-Chlorotoluene
Concen: 121.232 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.9	13.9	41.7





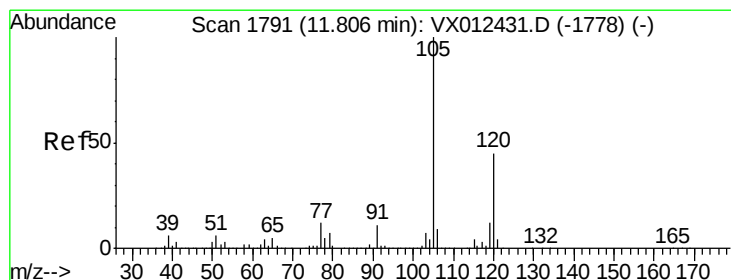
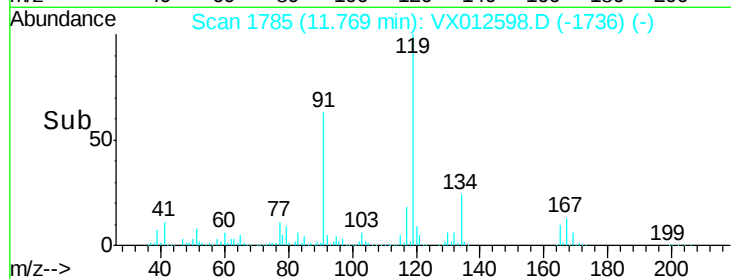
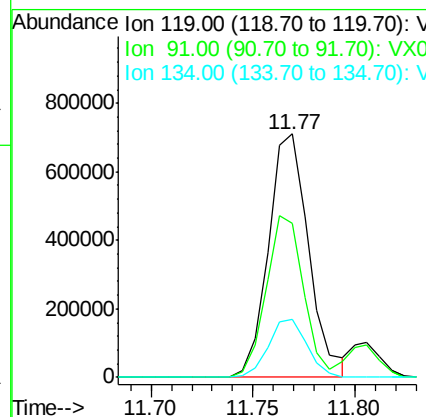
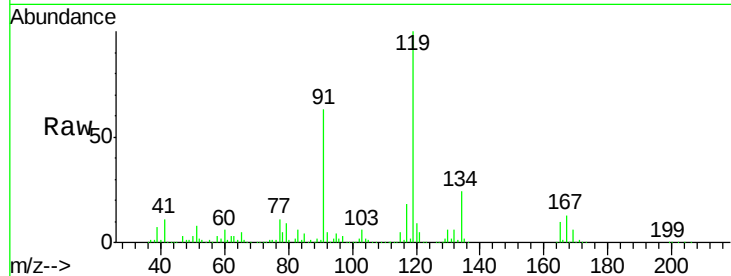
#83
 tert-Butylbenzene
 Concen: 112.272 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: VX012598.D
 Acq: 23 Sep 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	978599		
91	61.8		31.1	93.5
134	22.8		11.5	34.5

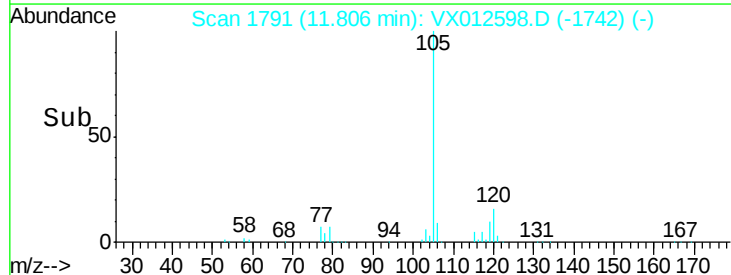
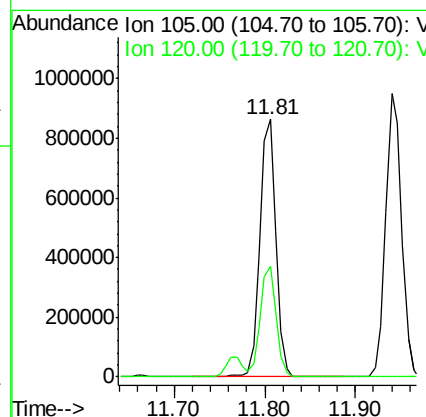
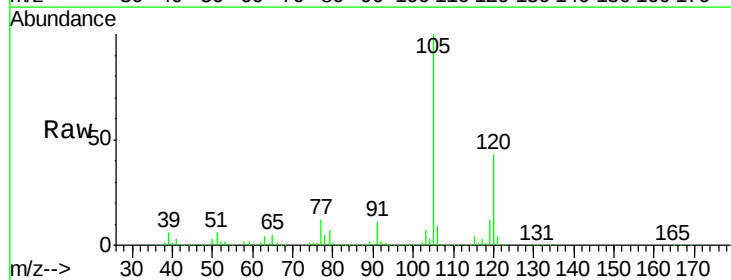
Manual Integrations
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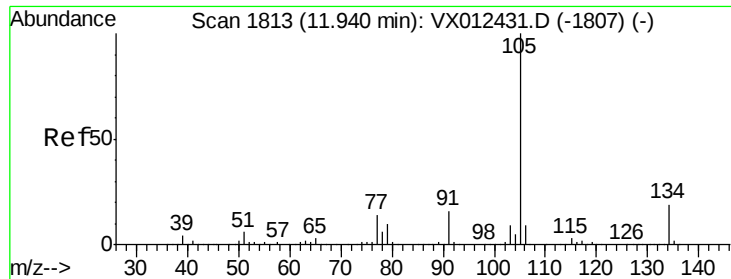
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#84
 1,2,4-Trimethylbenzene
 Concen: 123.738 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX012598.D
 Acq: 23 Sep 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1050728		
120	42.8		22.3	66.8





#85

sec-Butylbenzene

Concen: 118.450 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleID :

VSTDIC100

Tot Ion:105 Resp: 1148263

Ion Ratio Lower Upper

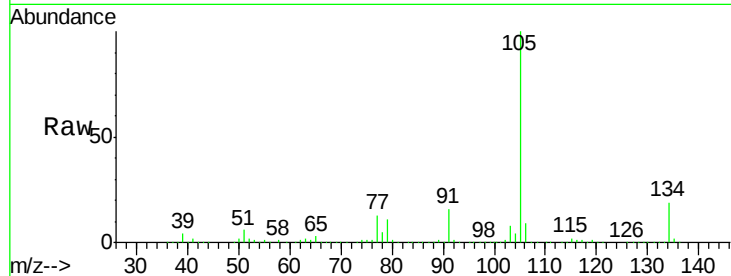
105 100

134 19.3 9.7 29.1

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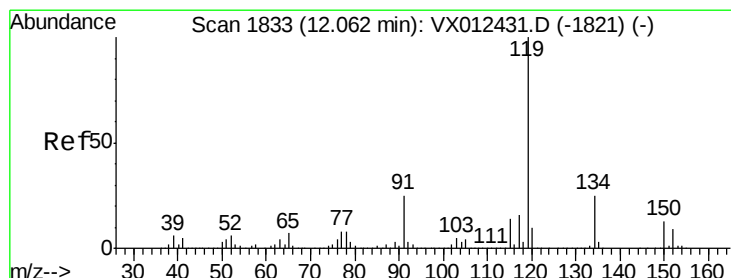
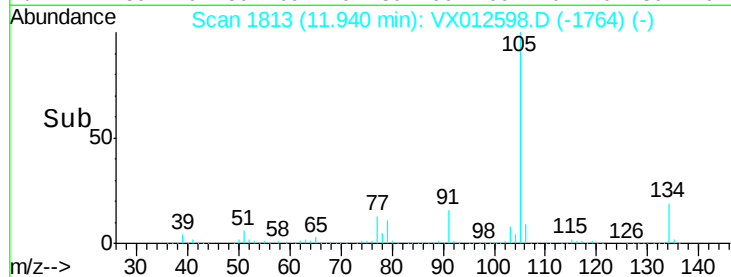
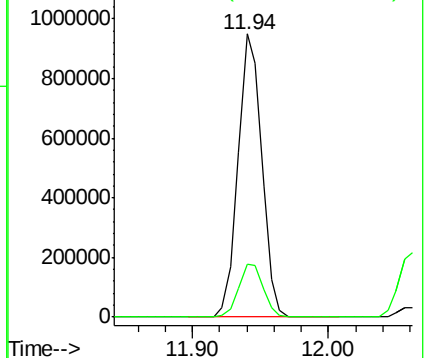
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 119.980 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

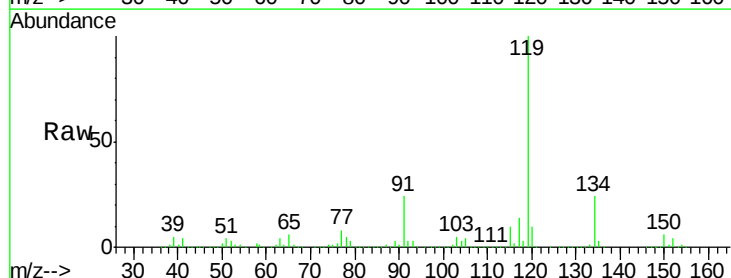
Tgt Ion:119 Resp: 1066589

Ion Ratio Lower Upper

119 100

134 24.6 12.4 37.4

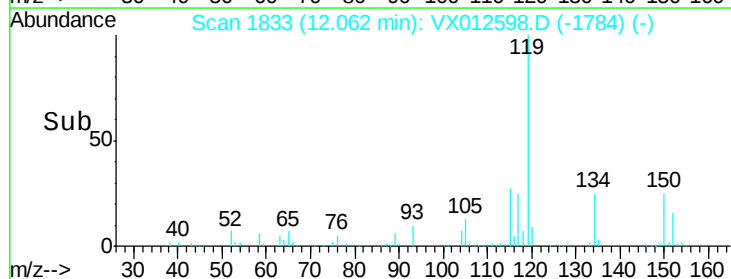
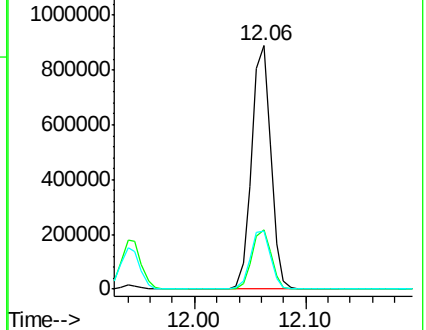
91 25.2 12.8 38.4

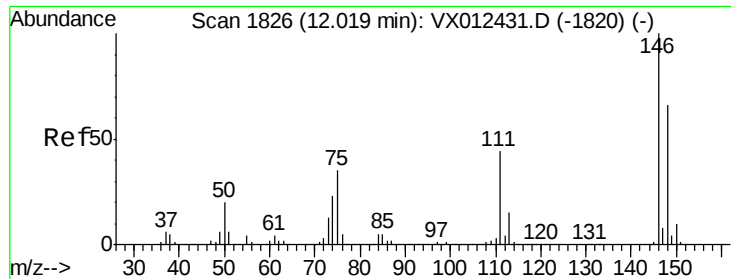


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





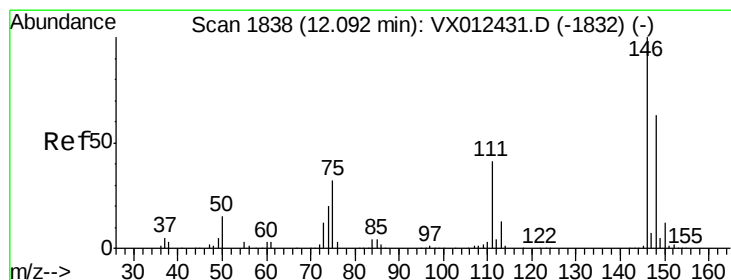
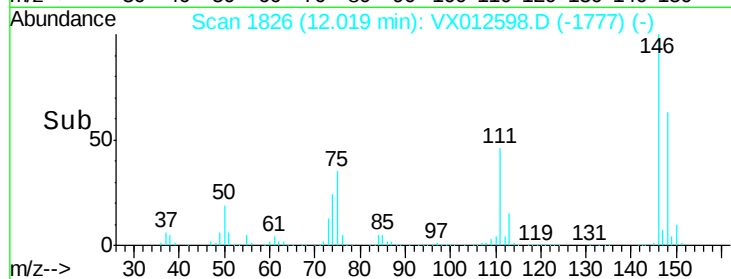
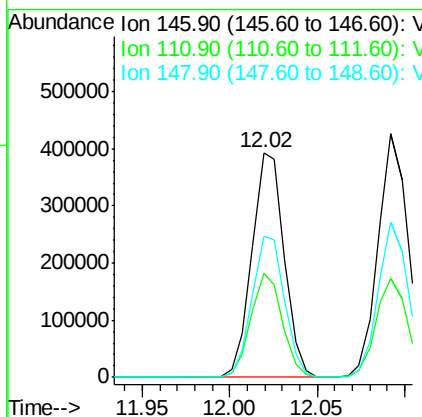
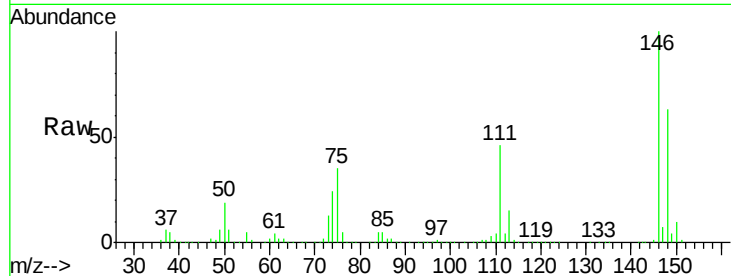
#87
 1,3-Dichlorobenzene
 Concen: 115.018 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012598.D
 Acq: 23 Sep 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.3	66.9
148	63.4	31.9	95.5

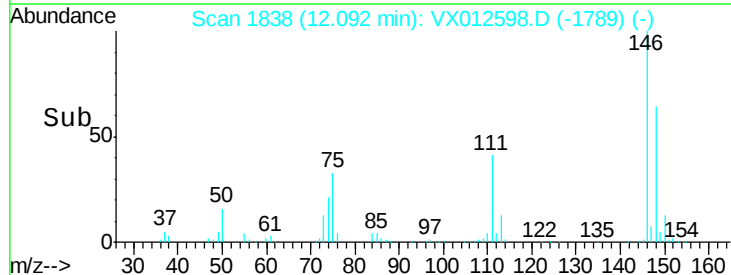
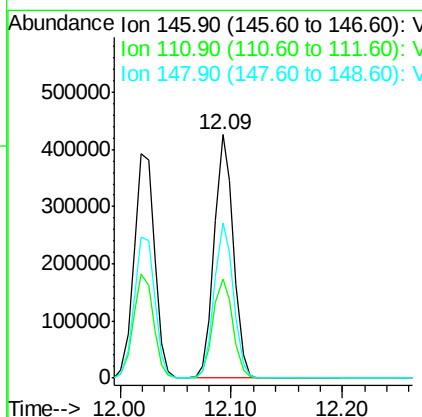
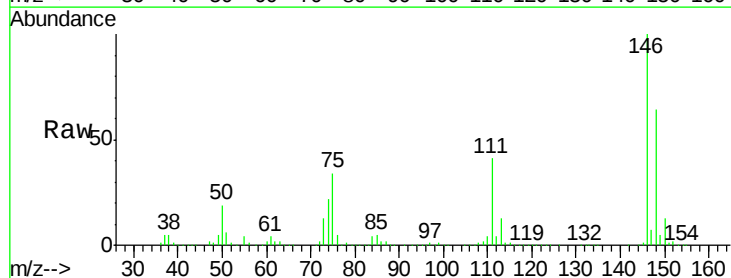
Manual Integrations
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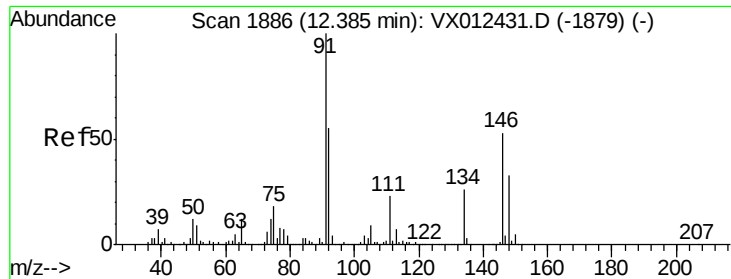
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#88
 1,4-Dichlorobenzene
 Concen: 112.761 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012598.D
 Acq: 23 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.7	65.1
148	63.6	31.8	95.3





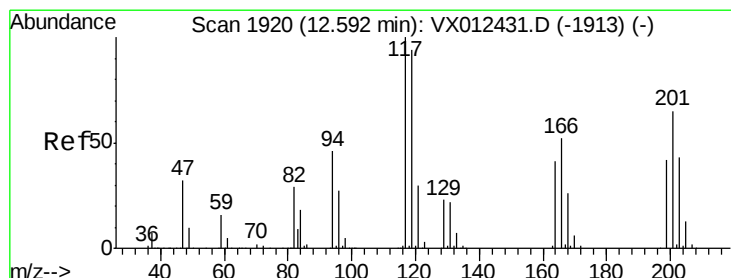
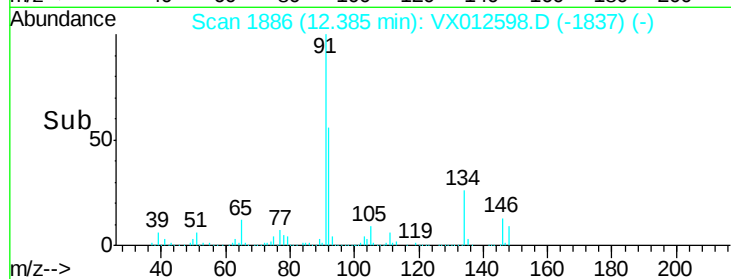
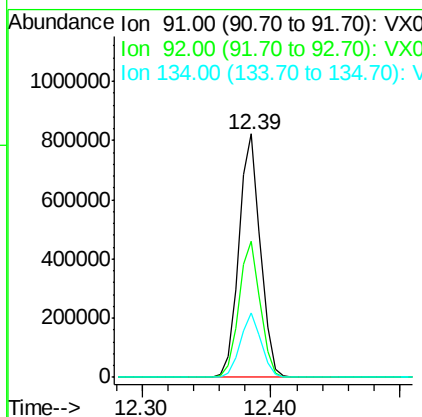
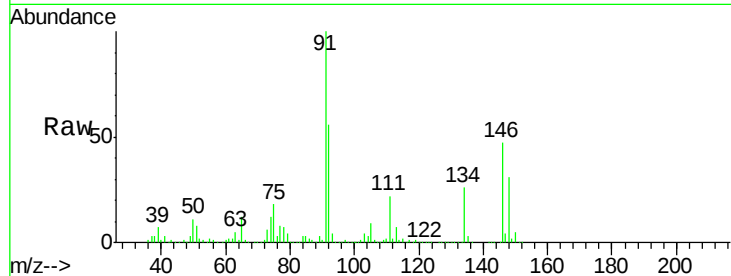
#89
n-Butylbenzene
Concen: 119.633 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.5	27.2	81.6	
134	25.6	12.4	37.2	

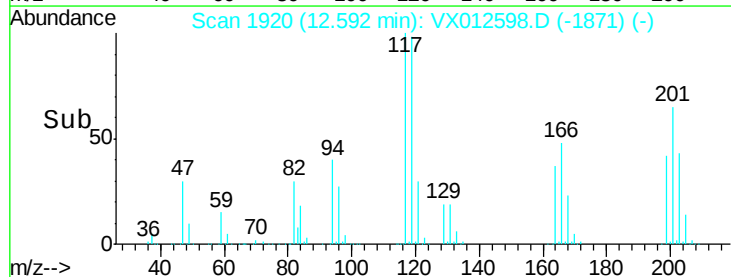
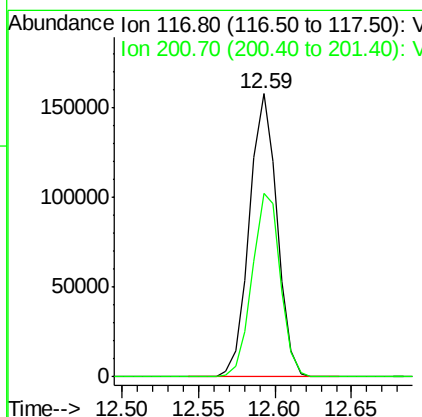
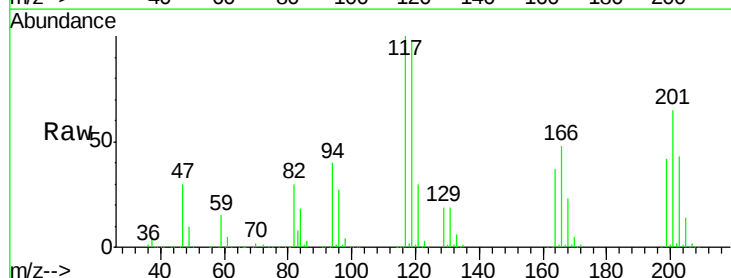
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#90
Hexachloroethane
Concen: 122.987 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012598.D
Acq: 23 Sep 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	66.4	34.0	101.8	





#91

1,2-Dichlorobenzene

Concen: 108.113 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

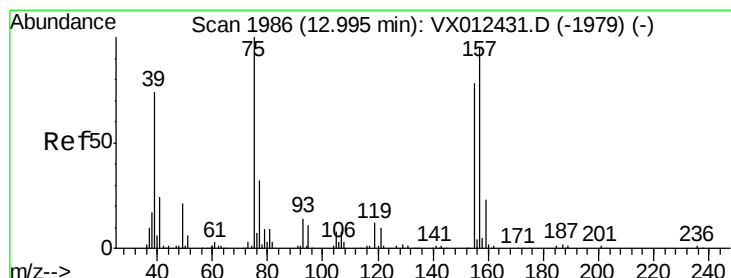
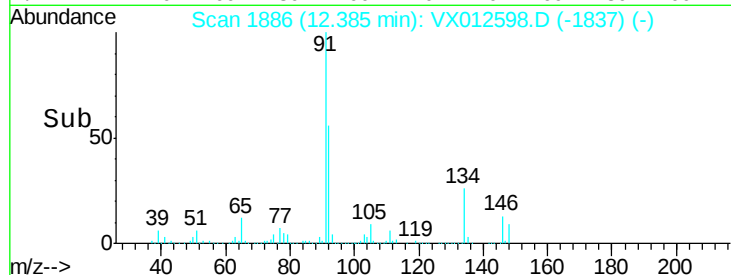
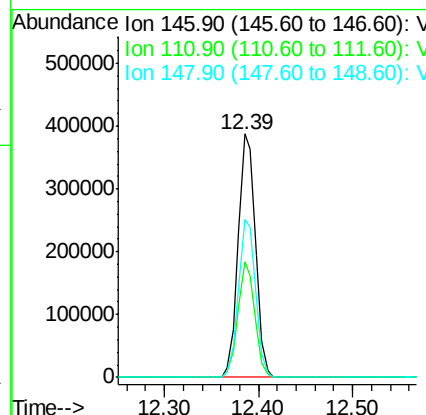
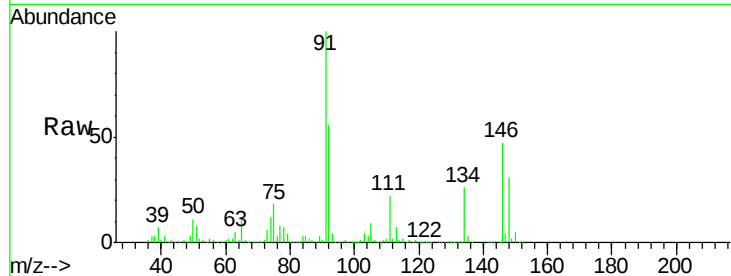
ClientSampleId :

VSTDICC100

Tot Ion:	146	Resp:	491719
Ion Ratio	Lower	Upper	
146	100		
111	46.0	22.8	68.4
148	64.3	31.7	95.1

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 106.211 ug/l

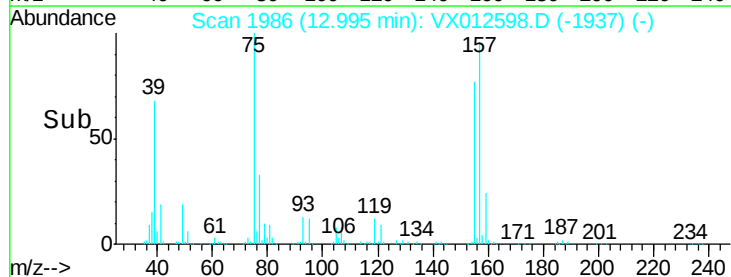
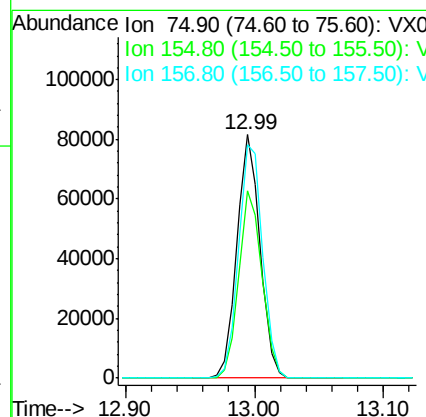
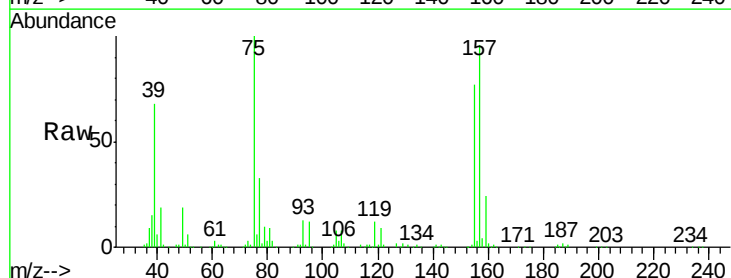
RT: 12.99 min Scan# 1986

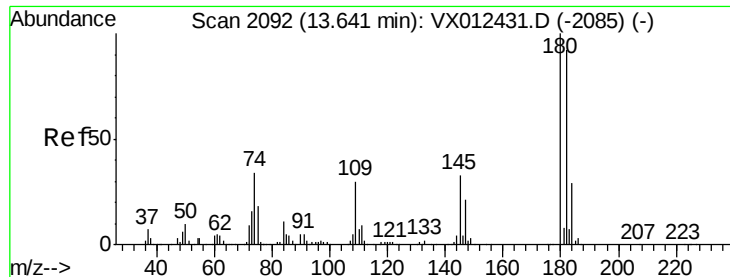
Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Tgt Ion:	75	Resp:	101984
Ion Ratio	Lower	Upper	
75	100		
155	77.6	38.7	116.1
157	100.0	48.5	145.6





#93

1,2,4-Trichlorobenzene

Concen: 107.585 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

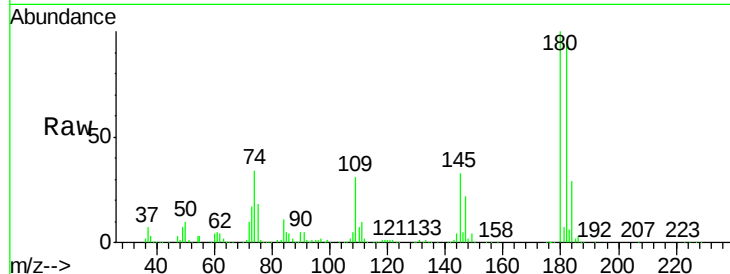
ClientSampleId :

VSTDIC100

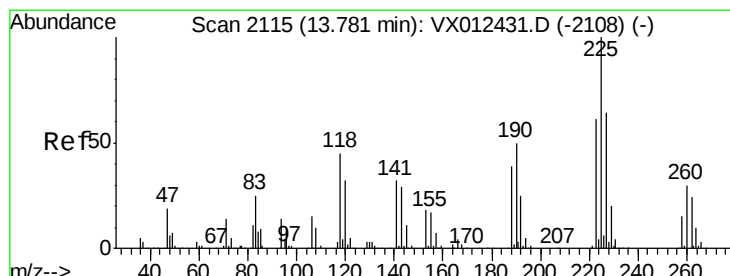
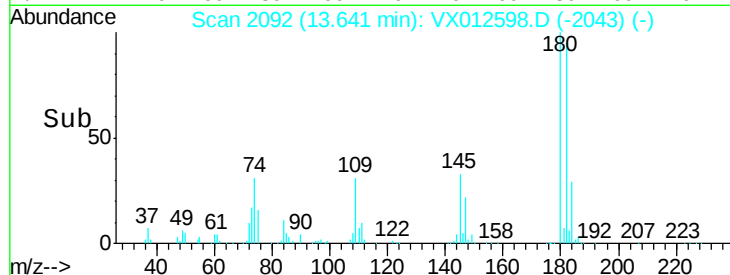
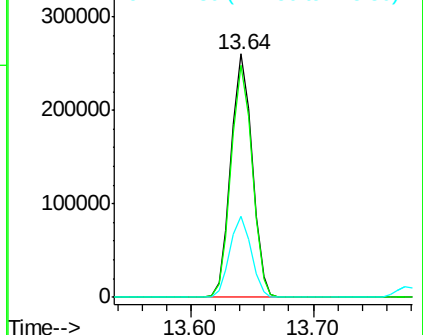
Tot Ion:	180	Resp:	310627
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.8	143.3
145	33.6	17.1	51.3

Manual Integrations
APPROVED

MMDadoda
9/24/2019 10:07:19 AM



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



#94

Hexachlorobutadiene

Concen: 96.442 ug/l

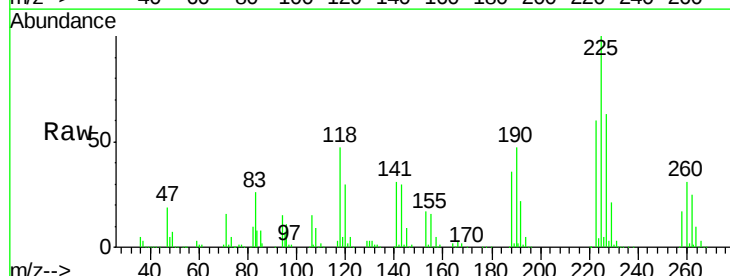
RT: 13.78 min Scan# 2115

Delta R.T. -0.00 min

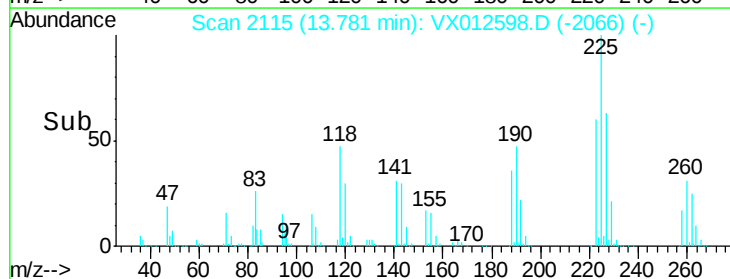
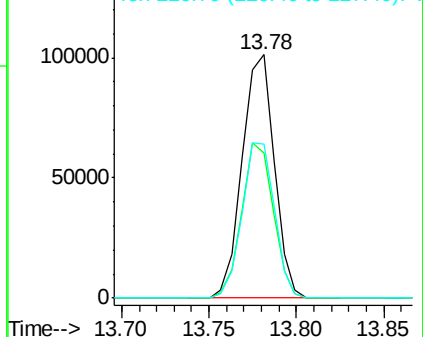
Lab File: VX012598.D

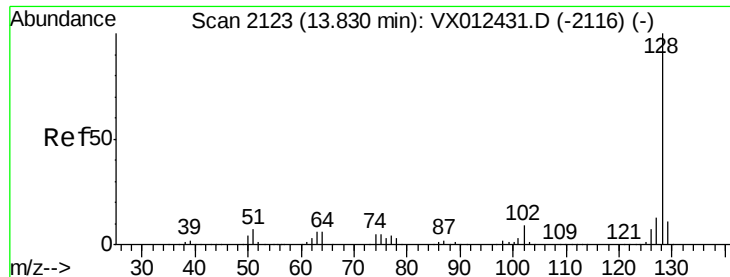
Acq: 23 Sep 2019 11:42

Tgt Ion:	225	Resp:	130212
Ion Ratio	Lower	Upper	
225	100		
223	63.1	31.7	95.1
227	64.3	31.1	93.5



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





#95

Naphthalene

Concen: 111.474 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1153270

Ion Ratio Lower Upper

128 100

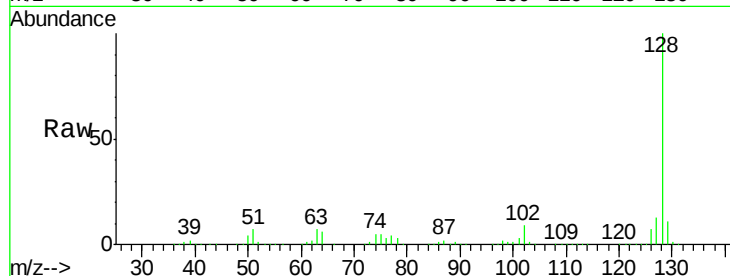
127 12.7 10.2 15.2

129 10.9 8.6 12.8

Manual Integrations
APPROVED

MMDadoda

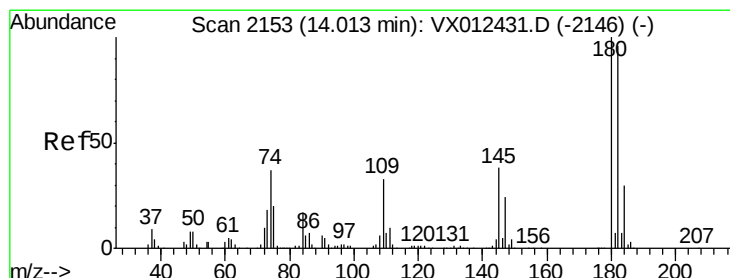
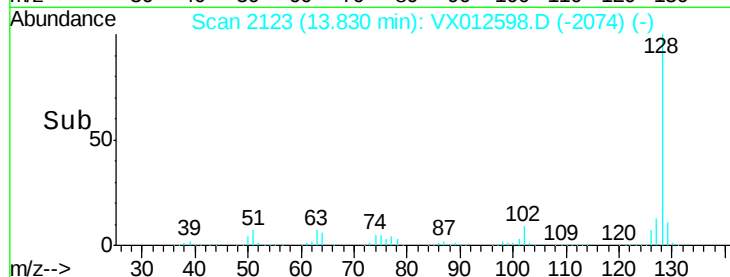
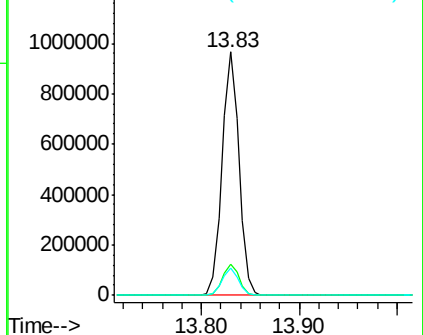
9/24/2019 10:07:19 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 104.135 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.01 min

Lab File: VX012598.D

Acq: 23 Sep 2019 11:42

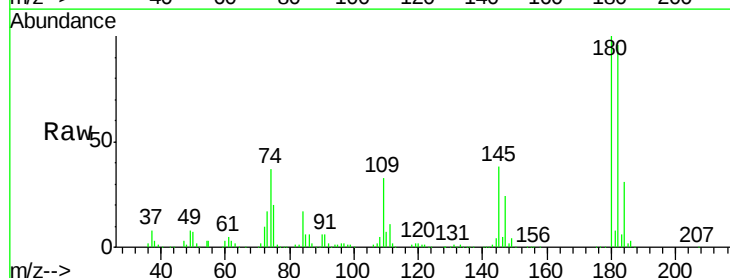
Tgt Ion:180 Resp: 306672

Ion Ratio Lower Upper

180 100

182 93.1 46.8 140.3

145 36.3 18.4 55.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

