

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092019\
 Data File : VX012548.D
 Acq On : 20 Sep 2019 11:42
 Operator : JC/SP
 Sample : VX0920WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 11:29:34 AM

Quant Time: Sep 20 16:30:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	195045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	318502	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	283105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	134629	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	135464	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
35) Dibromofluoromethane	5.48	113	98745	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
50) Toluene-d8	8.71	98	368274	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	11.14	95	146297	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	23302	18.158	ug/l	99
3) Chloromethane	1.32	50	19647	18.322	ug/l	97
4) Vinyl Chloride	1.40	62	21254	18.339	ug/l	95
5) Bromomethane	1.63	94	9524	20.917	ug/l	89
6) Chloroethane	1.71	64	15826	17.450	ug/l	98
7) Trichlorofluoromethane	1.92	101	40504	19.065	ug/l	100
8) Diethyl Ether	2.17	74	17054	17.772	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	28590	18.599	ug/l	99
10) Methyl Iodide	2.50	142	19874	18.170	ug/l	97
11) Tert butyl alcohol	3.03	59	59094	79.353	ug/l	99
12) 1,1-Dichloroethene	2.36	96	23241	18.953	ug/l	99
13) Acrolein	2.28	56	21309	85.707	ug/l	96
14) Allyl chloride	2.72	41	50904	17.830	ug/l	97
15) Acrylonitrile	3.13	53	106395	87.832	ug/l	100
16) Acetone	2.43	43	118259	87.410	ug/l	100
17) Carbon Disulfide	2.56	76	26673	16.631	ug/l	95
18) Methyl Acetate	2.76	43	52209	17.923	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	123630	18.491	ug/l	97
20) Methylene Chloride	2.84	84	30934	18.285	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	24057	18.892	ug/l	96
22) Diisopropyl ether	3.84	45	120566	18.037	ug/l #	87
23) Vinyl Acetate	3.80	43	493925	89.825	ug/l	99
24) 1,1-Dichloroethane	3.69	63	59344	18.555	ug/l	98
25) 2-Butanone	4.66	43	165663	85.435	ug/l	99
26) 2,2-Dichloropropane	4.57	77	54314	17.267	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	34778	18.283	ug/l	99
28) Bromochloromethane	5.00	49	30482	18.487	ug/l	94
29) Tetrahydrofuran	5.11	42	94075	87.821	ug/l	99
30) Chloroform	5.20	83	65935	17.951	ug/l	94
31) Cyclohexane	5.57	56	35998	18.645	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	54994	17.913	ug/l	100
36) 1,1-Dichloropropene	5.79	75	34323	17.732	ug/l	94
37) Ethyl Acetate	4.82	43	56514	19.020	ug/l	99
38) Carbon Tetrachloride	5.78	117	42867	17.806	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	37279	19.811	ug/l	94
40) Benzene	6.13	78	117933	19.159	ug/l	98
41) Methacrylonitrile	5.03	41	33389	17.452	ug/l	98
42) 1,2-Dichloroethane	6.18	62	53321	18.676	ug/l	100
43) Isopropyl Acetate	6.43	43	96410	18.078	ug/l	100
44) Trichloroethene	7.20	130	31905	19.704	ug/l	91
45) 1,2-Dichloropropane	7.50	63	34978	18.496	ug/l	98
46) Dibromomethane	7.65	93	22567	18.440	ug/l	99
47) Bromodichloromethane	7.89	83	49087	18.014	ug/l	99
48) Methyl methacrylate	7.76	41	44694	17.779	ug/l	99
49) 1,4-Dioxane	7.73	88	21192	346.366	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	320165	91.546	ug/l	100
52) Toluene	8.78	92	77704	19.591	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	51924	18.332	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	55410	18.896	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	38285	18.735	ug/l	98
56) Ethyl methacrylate	9.17	69	58796	18.403	ug/l	98
57) 1,3-Dichloropropane	9.37	76	61261	18.790	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	167753	101.433	ug/l	98
59) 2-Hexanone	9.48	43	242622	88.922	ug/l	99
60) Dibromochloromethane	9.58	129	38416	18.456	ug/l	100
61) 1,2-Dibromoethane	9.67	107	36023	19.302	ug/l	97
64) Tetrachloroethene	9.33	164	31127	23.994	ug/l	94
65) Chlorobenzene	10.14	112	91770	19.640	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	36512	18.828	ug/l	99
67) Ethyl Benzene	10.25	91	155905	19.420	ug/l	99
68) m/p-Xylenes	10.35	106	116406	39.852	ug/l	98
69) o-Xylene	10.70	106	59603	19.842	ug/l	99
70) Styrene	10.71	104	103704	19.512	ug/l	99
71) Bromoform	10.85	173	25840	17.457	ug/l #	99
73) Isopropylbenzene	11.01	105	166019	19.654	ug/l	99
74) N-amyl acetate	10.89	43	83335	18.324	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	62068	18.731	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	59466m	19.229	ug/l	
77) Bromobenzene	11.25	156	39918	19.377	ug/l	100
78) n-propylbenzene	11.35	91	181021	19.227	ug/l	99
79) 2-Chlorotoluene	11.42	91	117437	19.174	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	141812	19.685	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	17086	17.324	ug/l	91
82) 4-Chlorotoluene	11.51	91	135583	19.288	ug/l	100
83) tert-Butylbenzene	11.76	119	143329	18.567	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	144132	19.485	ug/l	99
85) sec-Butylbenzene	11.94	105	165574	19.465	ug/l	99
86) p-Isopropyltoluene	12.06	119	150204	19.230	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	75689	19.531	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	76545	19.229	ug/l	98
89) n-Butylbenzene	12.39	91	127604	18.310	ug/l	99
90) Hexachloroethane	12.59	117	24997	17.454	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	77166	19.052	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15061	17.532	ug/l	97

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ClientSampleId :
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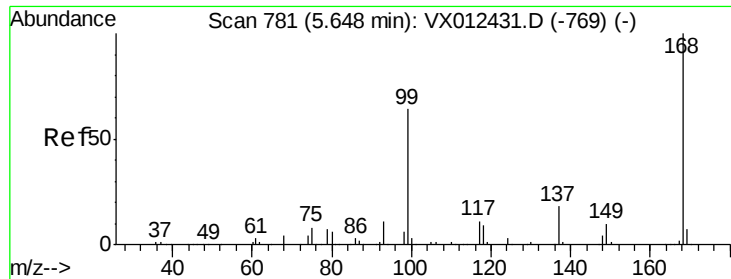
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	48921	18.752	ug/l	97
94) Hexachlorobutadiene	13.78	225	22052	17.934	ug/l	97
95) Naphthalene	13.83	128	177367	19.107	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	51105	19.223	ug/l	98

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



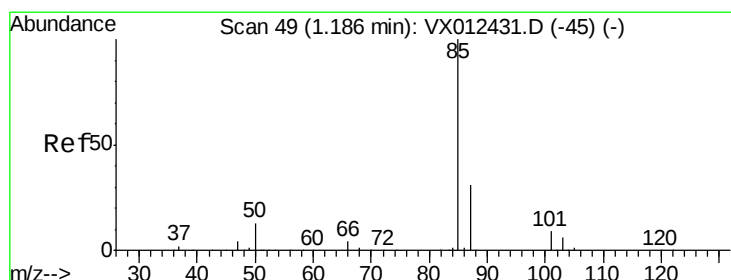
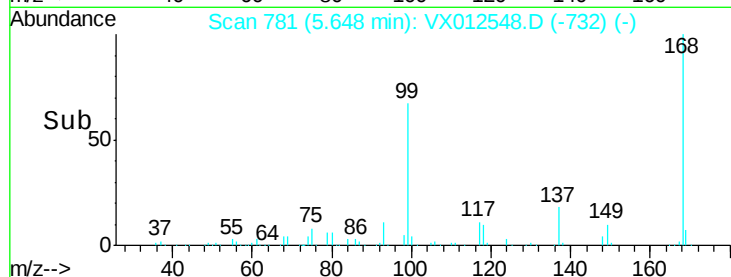
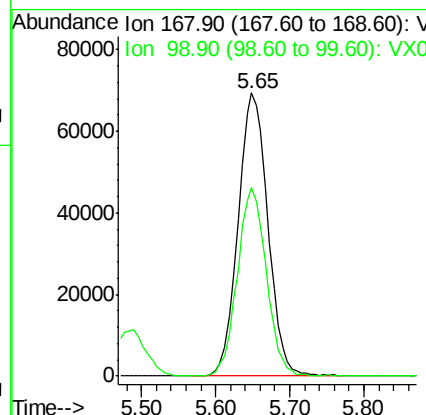
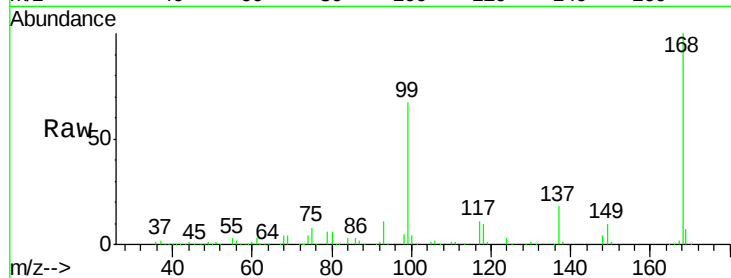
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS01

Tot Ion	Ratio	Resp	Lower	Upper
168	100	195045		
99	66.5	51.4	77.2	

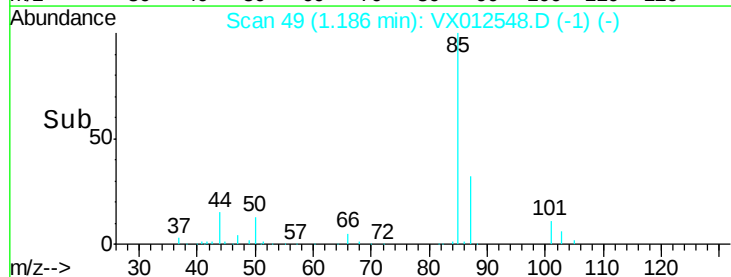
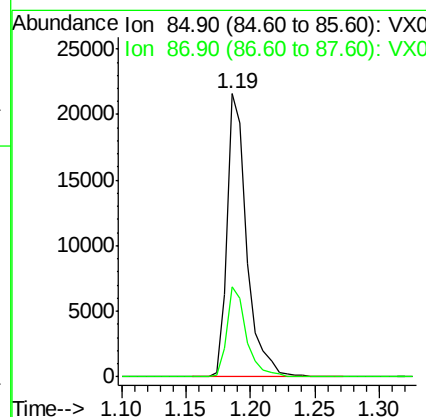
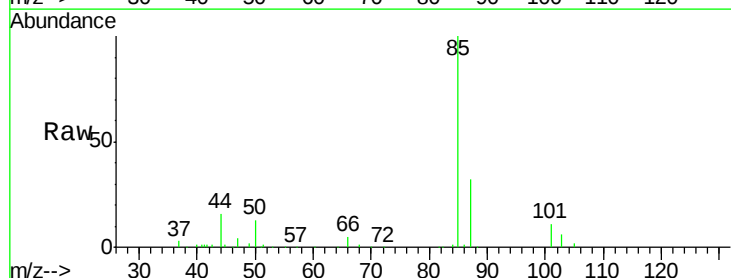
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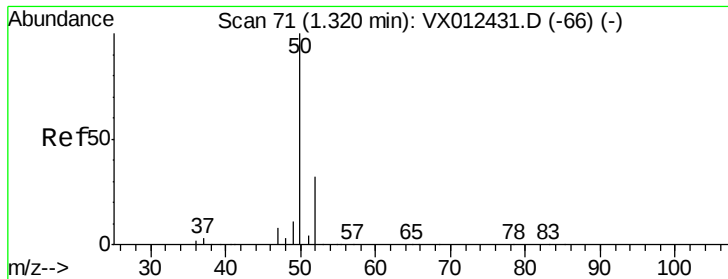
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#2
Dichlorodifluoromethane
Concen: 18.158 ug/l
RT: 1.19 min Scan# 49
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	23302		
87	31.9	15.6	46.8	





#3

Chloromethane

Concen: 18.322 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS01

Tot Ion: 50 Resp: 19647

Ion Ratio Lower Upper

50 100

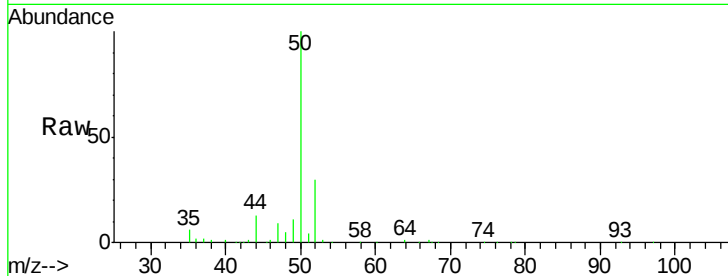
52 30.2 25.7 38.5

Manual Integrations

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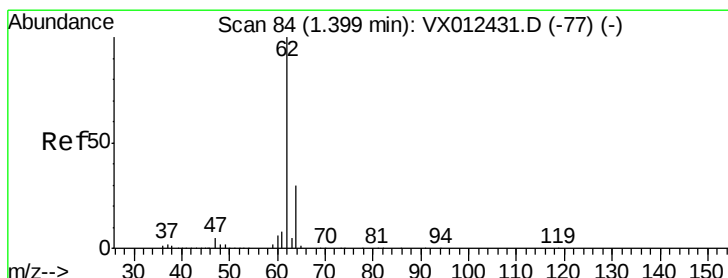
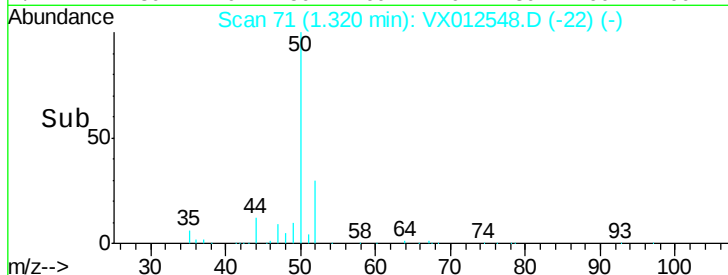
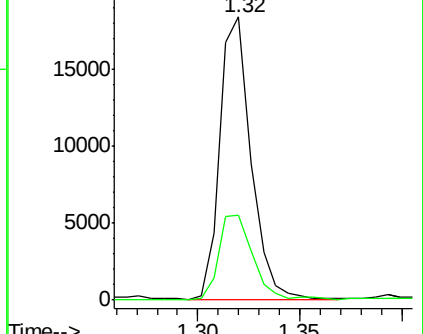
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.339 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012548.D

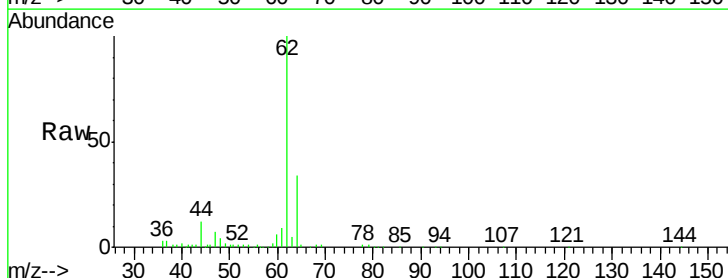
Acq: 20 Sep 2019 11:42

Tgt Ion: 62 Resp: 21254

Ion Ratio Lower Upper

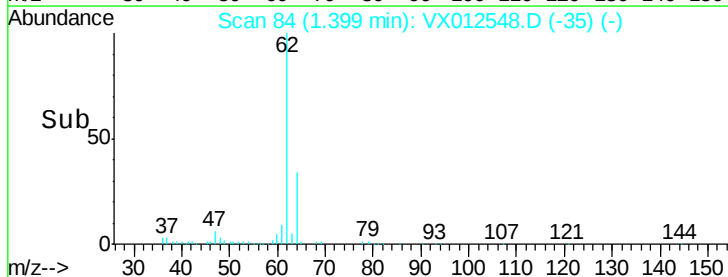
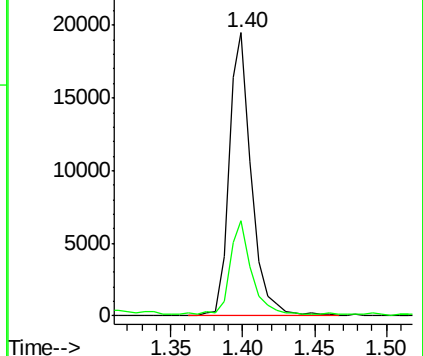
62 100

64 33.1 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.917 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS01

Tot Ion: 94 Resp: 9524

Ion Ratio Lower Upper

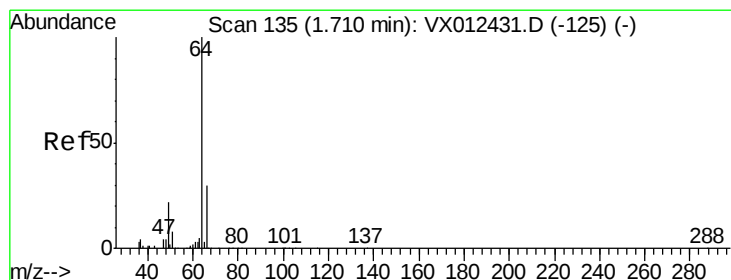
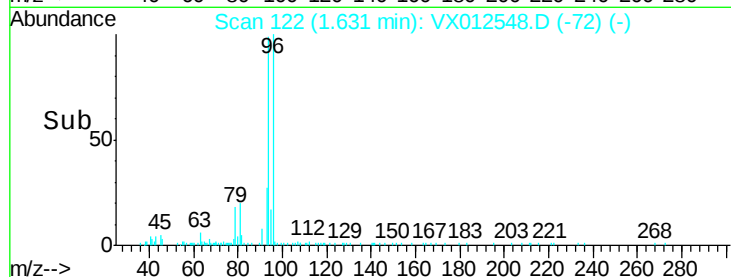
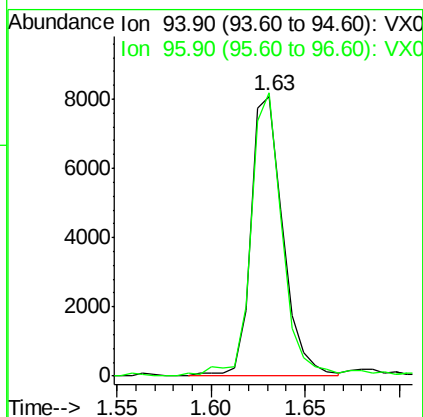
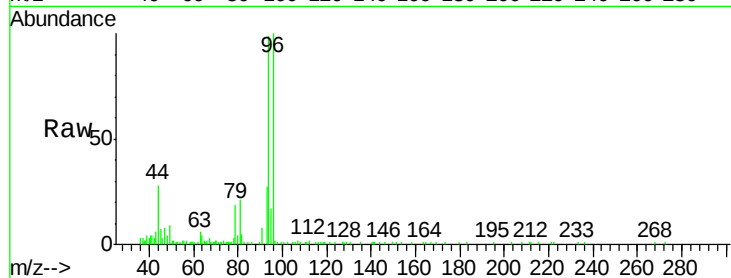
94 100

96 101.2 72.8 109.2

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#6

Chloroethane

Concen: 17.450 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012548.D

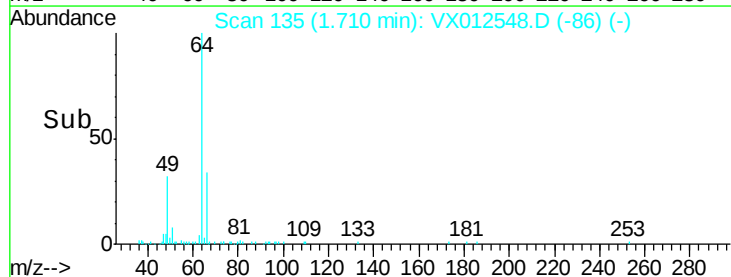
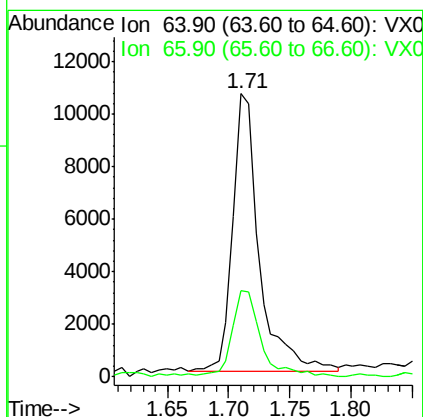
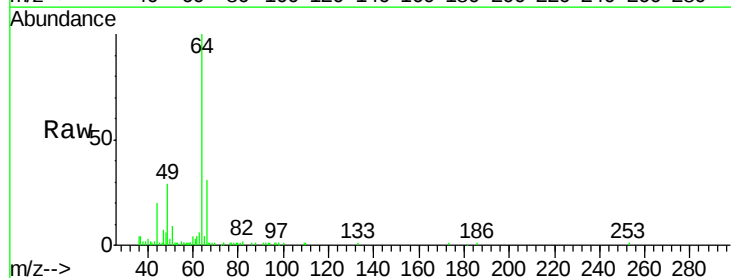
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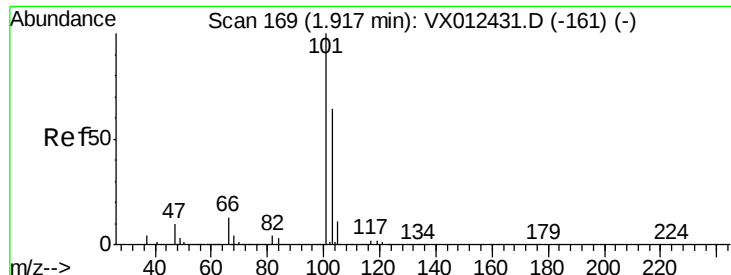
Tgt Ion: 64 Resp: 15826

Ion Ratio Lower Upper

64 100

66 31.2 24.0 36.0





#7

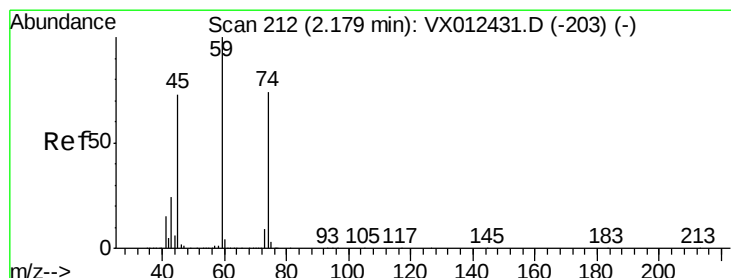
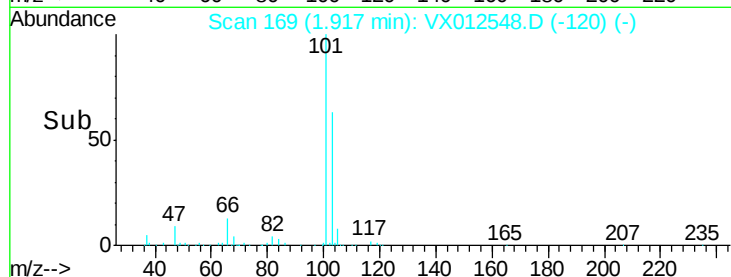
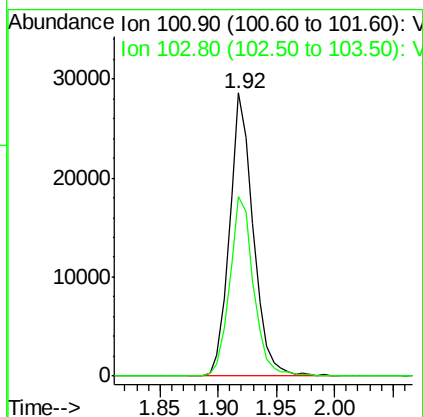
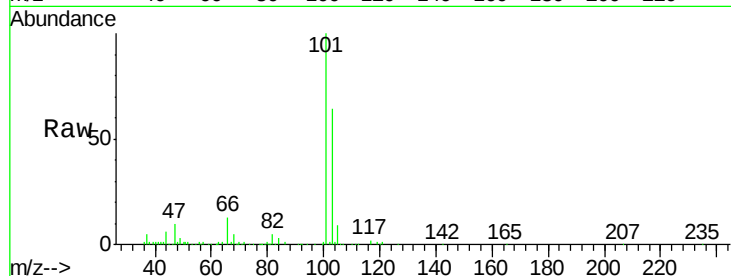
Trichlorofluoromethane
Concen: 19.065 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Instrument :
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ClientSampleId :
VX0920WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	40504		
103	63.5	51.0	76.4	

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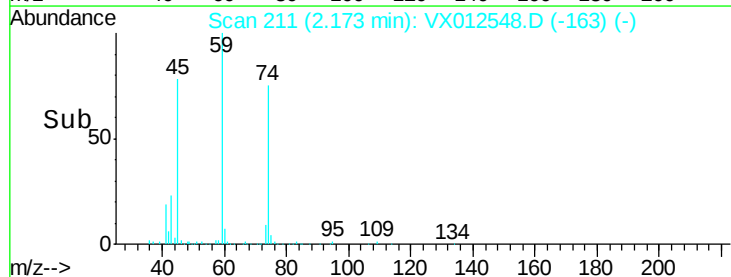
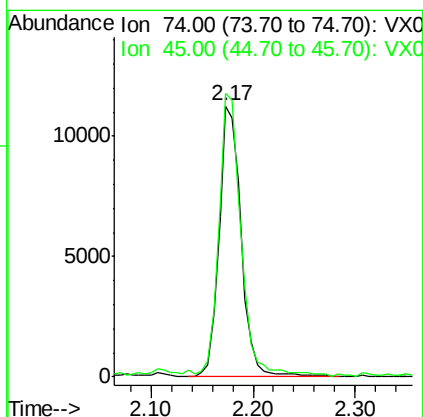
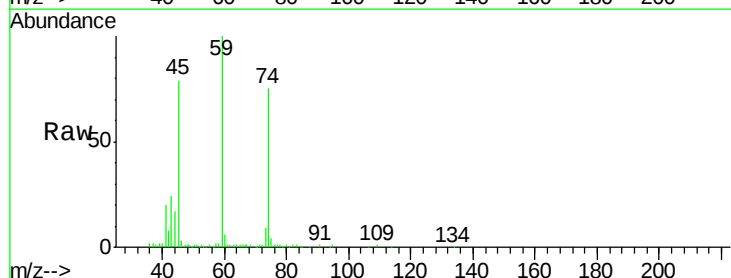
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9/23/2019 11:29:34 AM

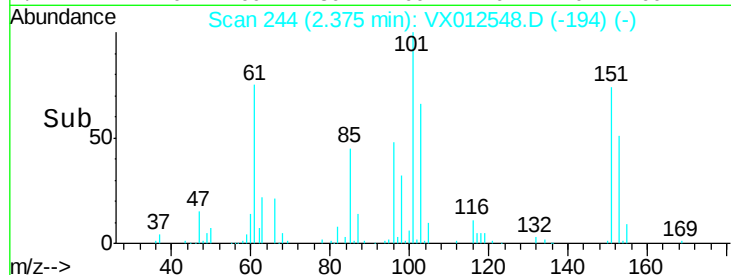
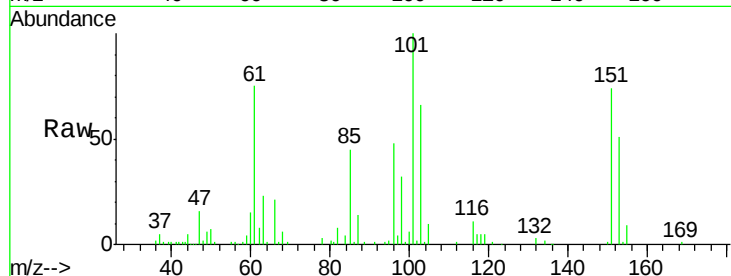
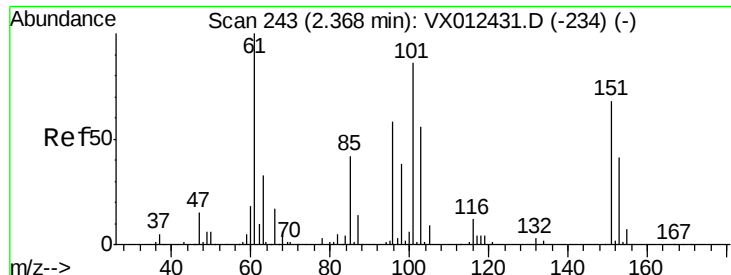


#8

Diethyl Ether
Concen: 17.772 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	17054		
45	108.1	49.9	149.7	





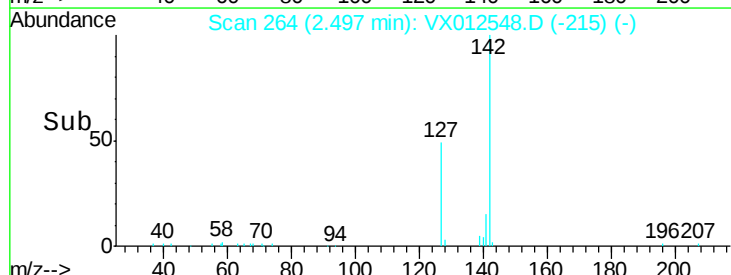
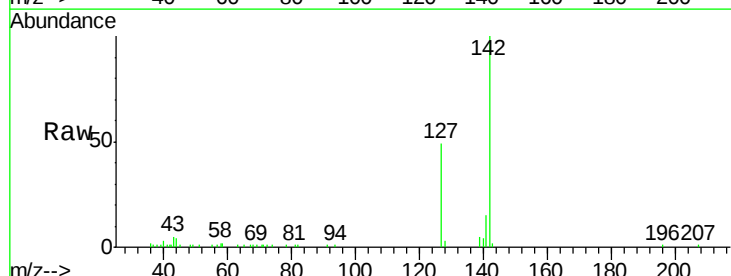
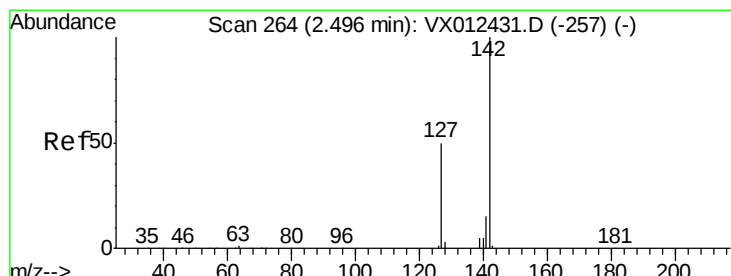
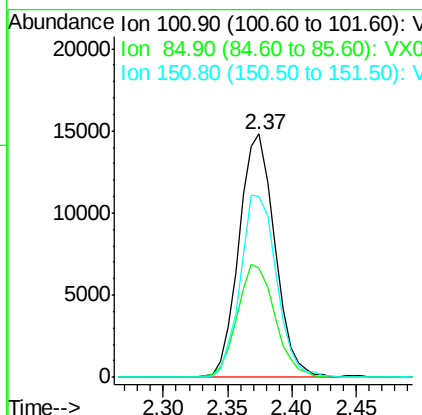
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.599 ug/l
RT: 2.37 min Scan# 244
Delta R.T. 0.01 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tot Ion	Ratio	Resp	Lower	Upper
101	100	28590		
85	48.6	37.3	55.9	
151	75.7	61.0	91.4	

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS01

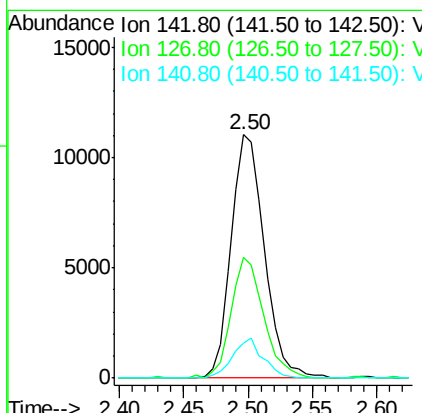
Manual Integrations
APPROVED

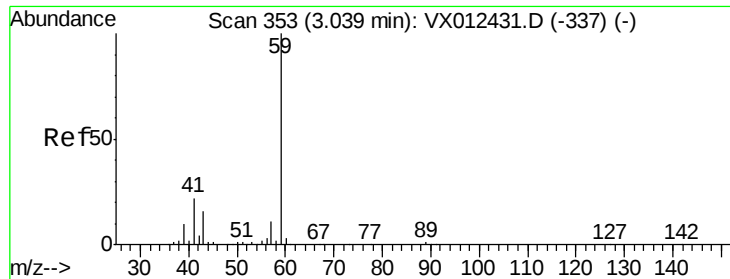
MMDadoda
9/23/2019 11:29:34 AM



#10
Methyl Iodide
Concen: 18.170 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	19874		
127	48.5	40.8	61.2	
141	14.8	12.1	18.1	





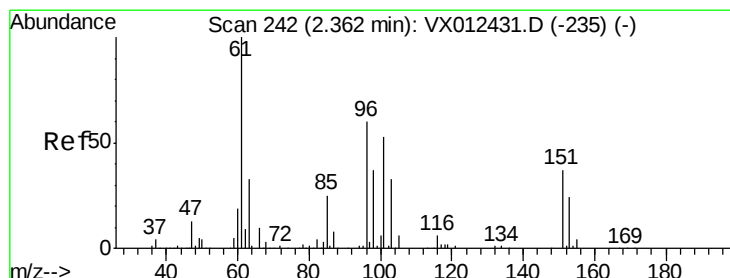
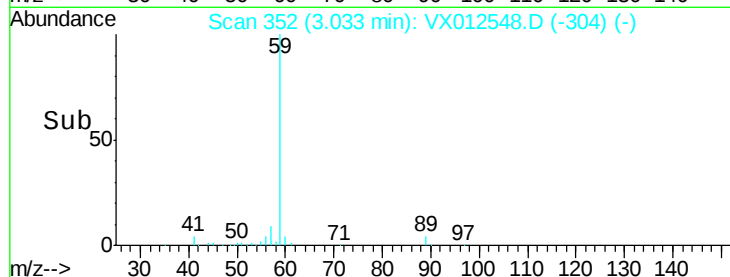
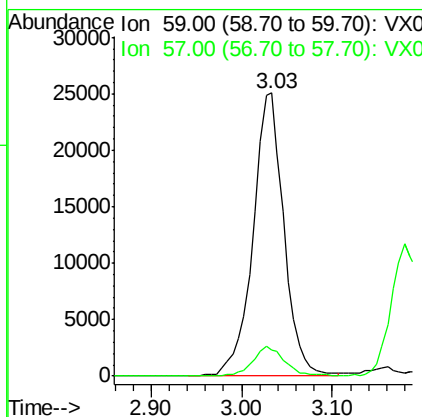
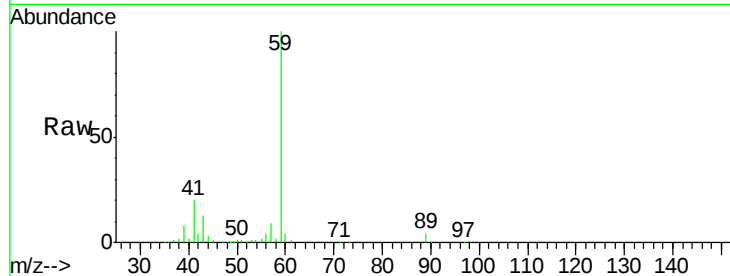
#11
Tert butyl alcohol
Concen: 79.353 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5

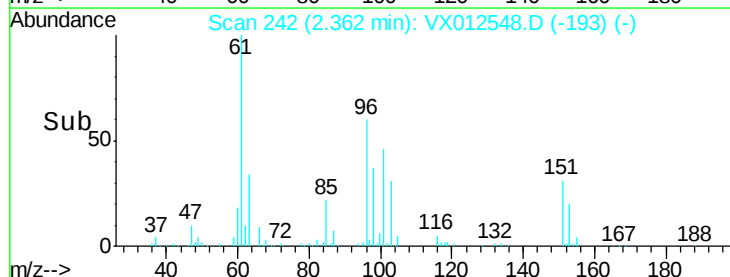
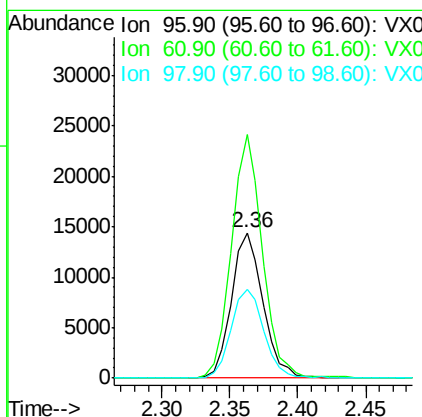
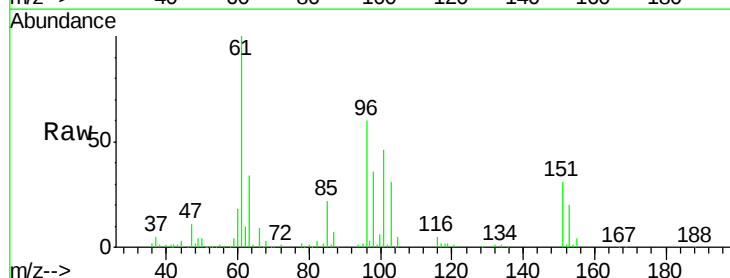
Manual Integrations
APPROVED

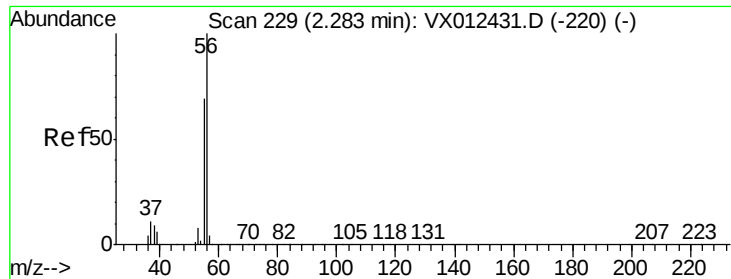
MMDadoda
9/23/2019 11:29:34 AM



#12
1,1-Dichloroethene
Concen: 18.953 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.5	133.8	200.6
98	61.1	49.9	74.9





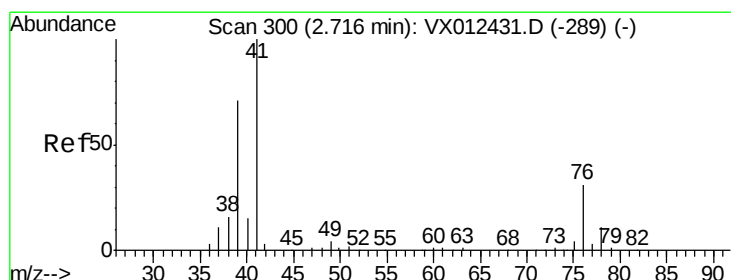
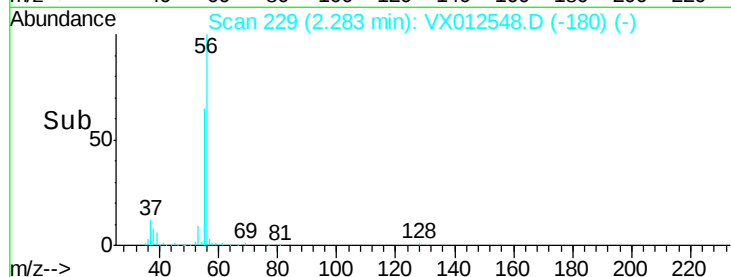
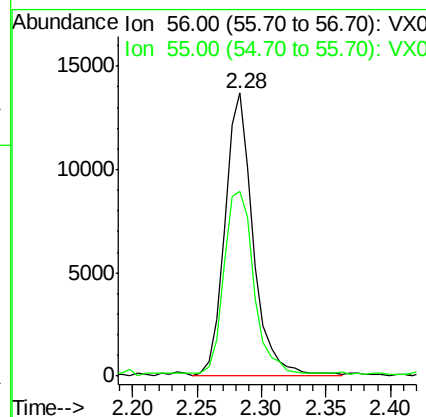
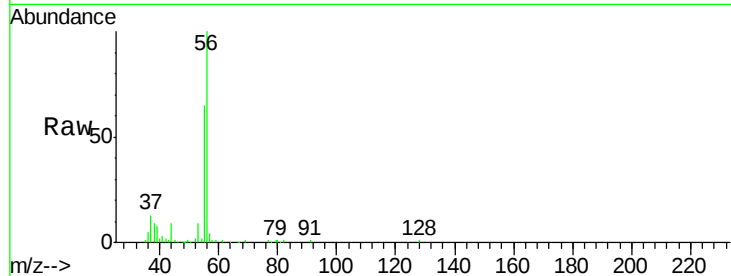
#13
Acrolein
Concen: 85.707 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	66.7	55.8	83.8	

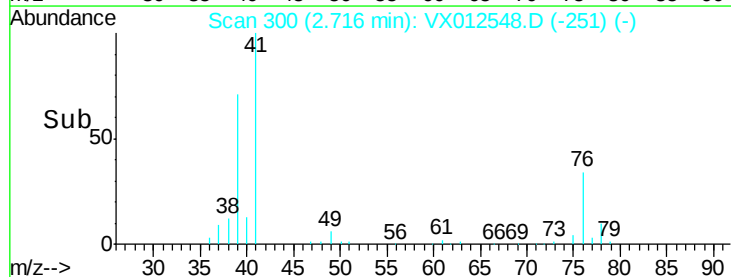
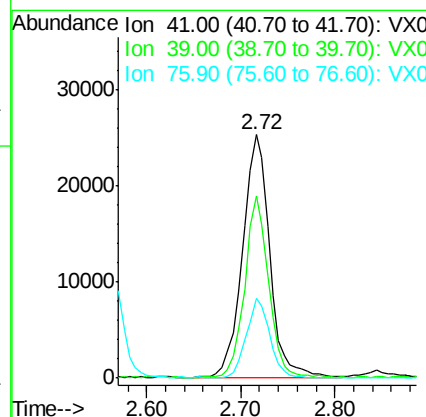
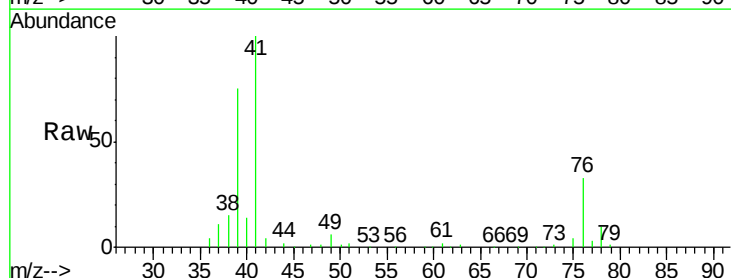
Manual Integrations
APPROVED

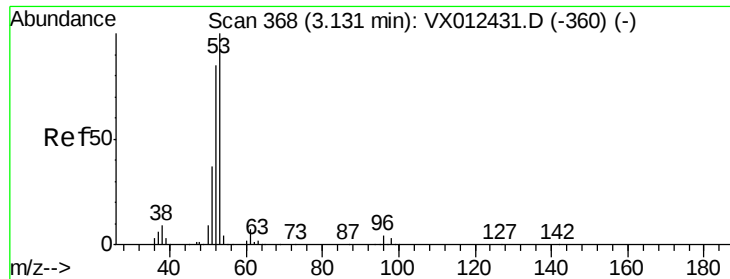
MMDadoda
9/23/2019 11:29:34 AM



#14
Allyl chloride
Concen: 17.830 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	66.9	51.3	76.9	
76	28.3	22.6	33.8	





#15

Acrylonitrile

Concen: 87.832 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_X

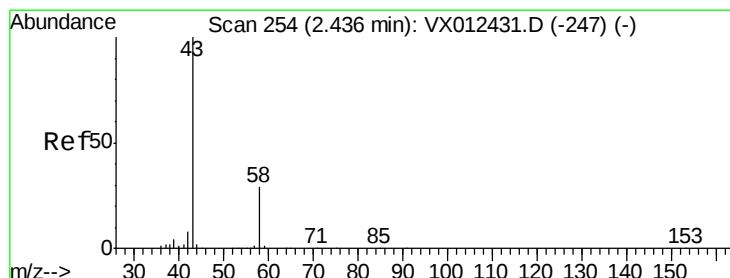
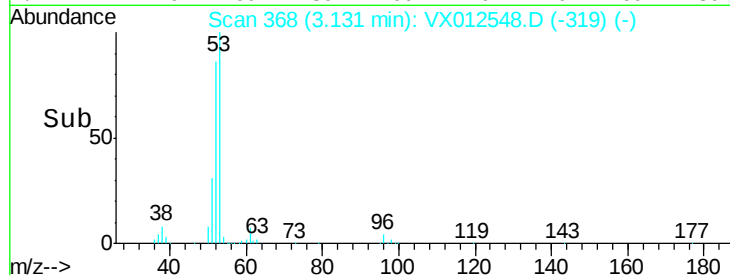
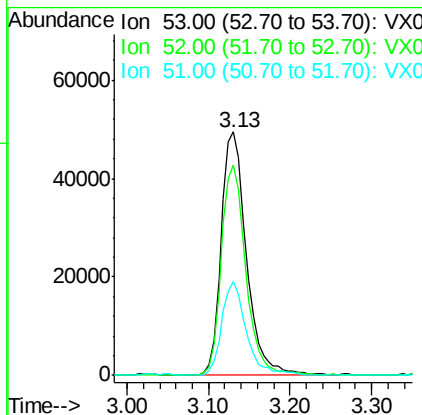
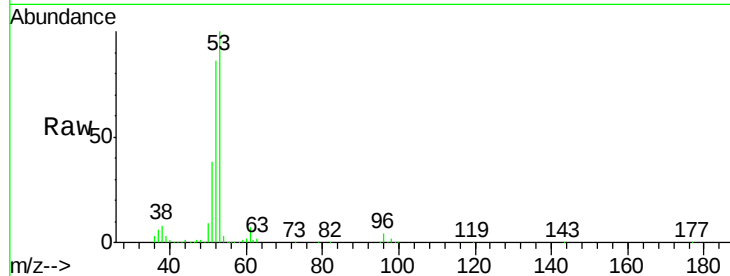
ClientSampleId :

VX0920WBS01

Tot Ion:	53	Resp:	106395
Ion Ratio	Lower	Upper	
53	100		
52	83.7	67.0	100.4
51	37.1	29.6	44.4

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 87.410 ug/l

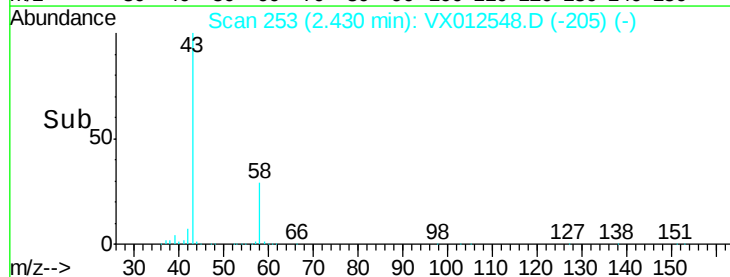
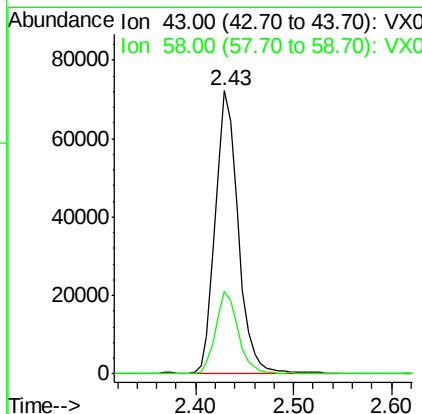
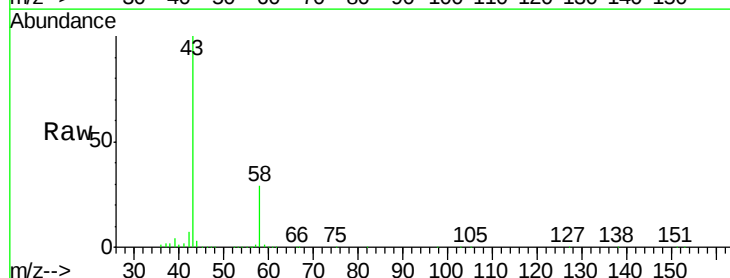
RT: 2.43 min Scan# 253

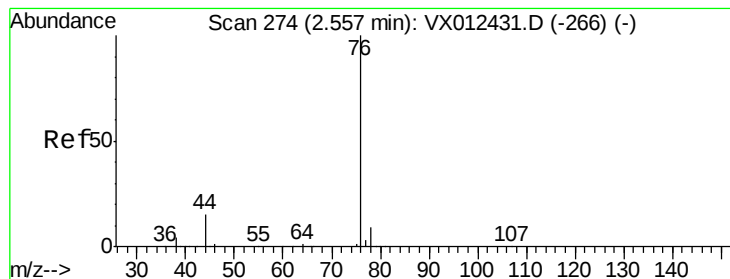
Delta R.T. -0.01 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Tgt Ion:	43	Resp:	118259
Ion Ratio	Lower	Upper	
43	100		
58	29.1	23.3	34.9





#17

Carbon Disulfide

Concen: 16.631 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS01

Tot Ion: 76 Resp: 26673

Ion Ratio Lower Upper

76 100

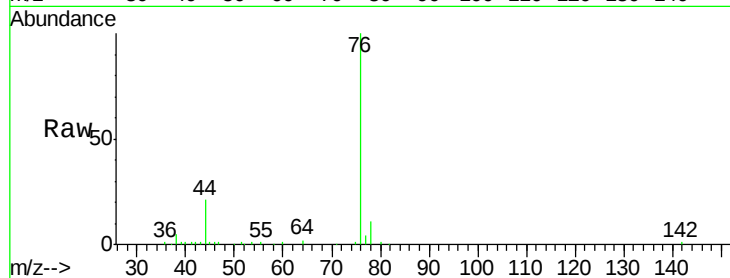
78 10.8 7.3 10.9

Manual Integrations

APPROVED

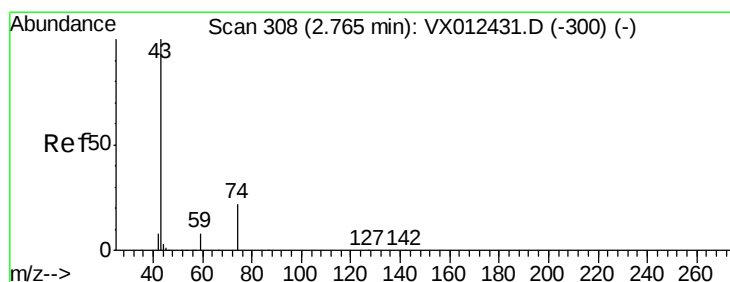
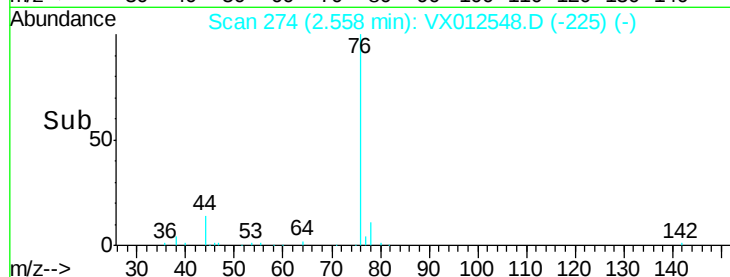
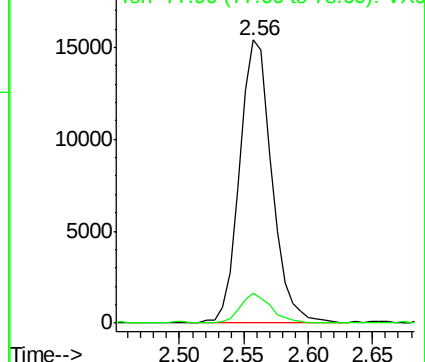
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 17.923 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX012548.D

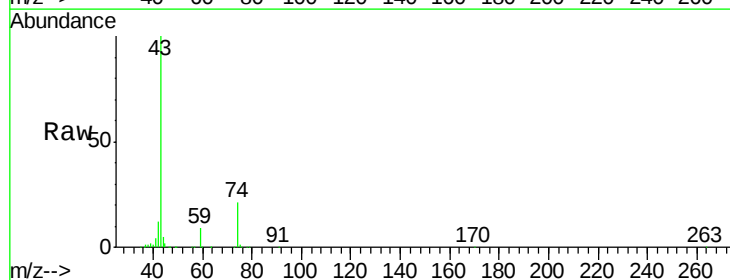
Acq: 20 Sep 2019 11:42

Tgt Ion: 43 Resp: 52209

Ion Ratio Lower Upper

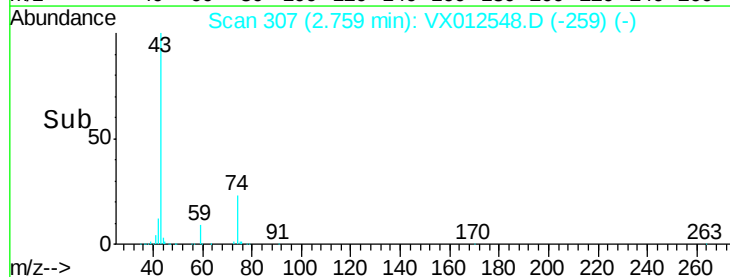
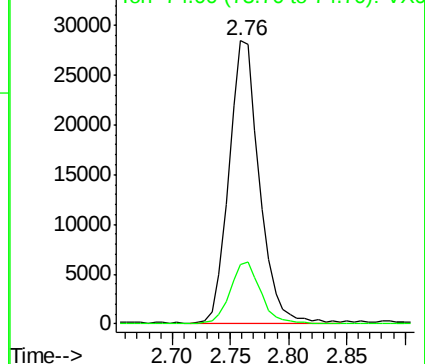
43 100

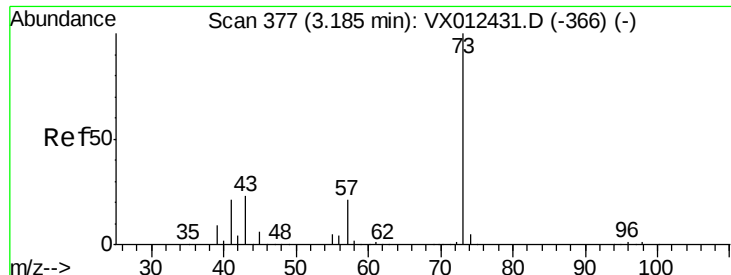
74 21.9 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

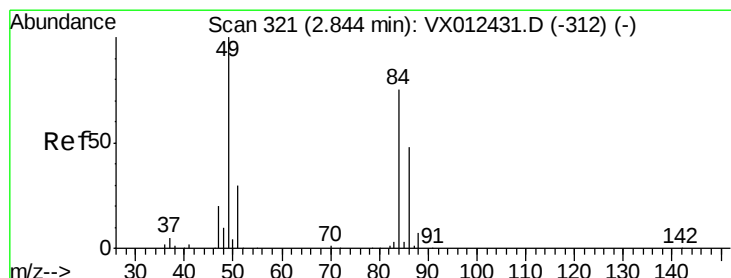
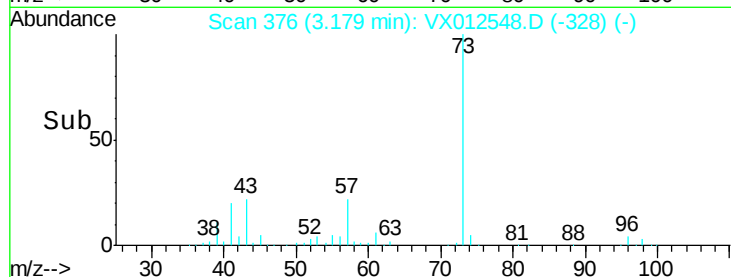
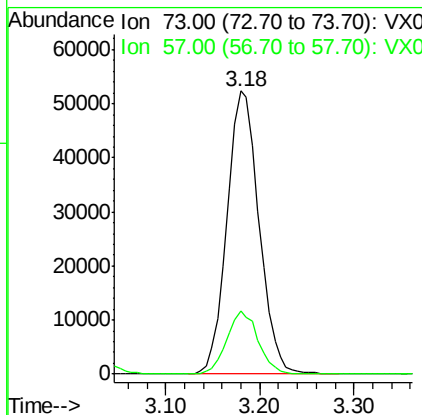
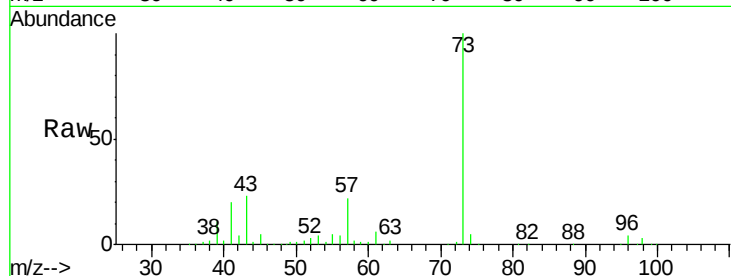
Methyl tert-butyl Ether
 Concen: 18.491 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX012548.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	16.8	25.2

Manual Integrations
 APPROVED

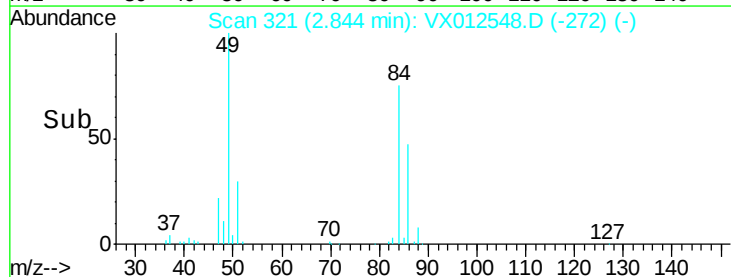
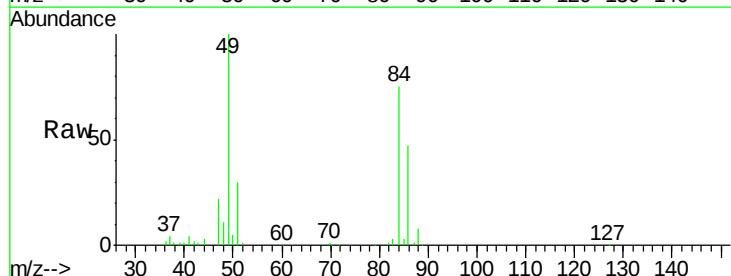
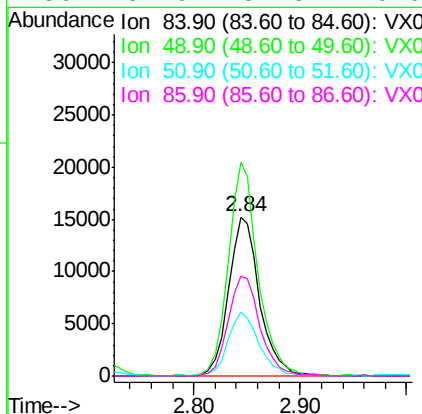
MMDadoda
 9/23/2019 11:29:34 AM

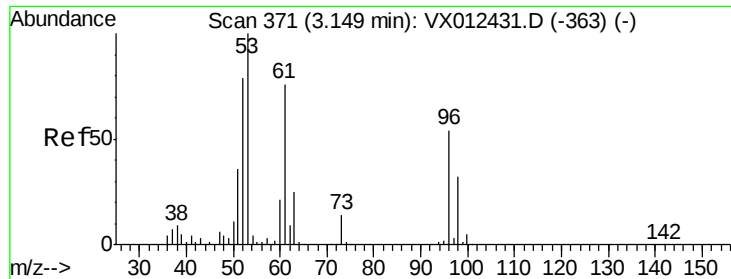


#20

Methylene Chloride
 Concen: 18.285 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX012548.D
 Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.1	106.8	160.2
51	40.0	32.3	48.5
86	62.9	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 18.892 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS01

Tot Ion: 96 Resp: 24057

Ion Ratio Lower Upper

96 100

61 133.7 112.0 168.0

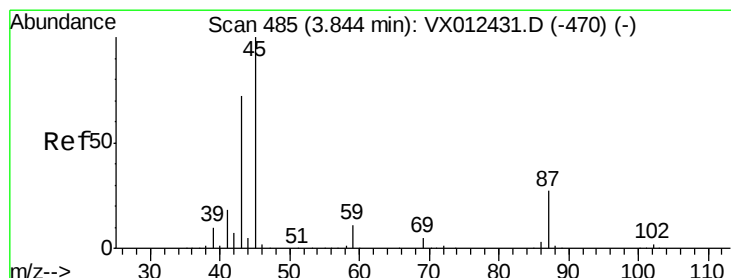
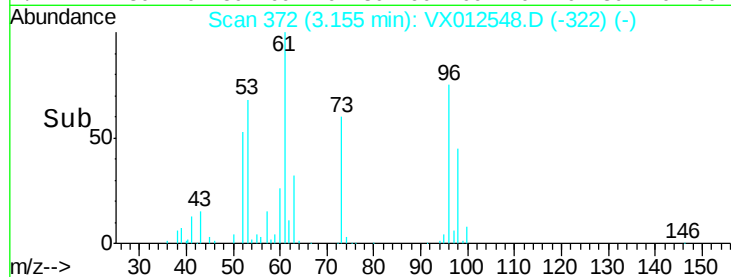
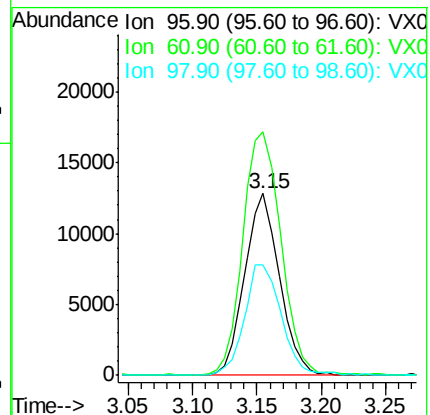
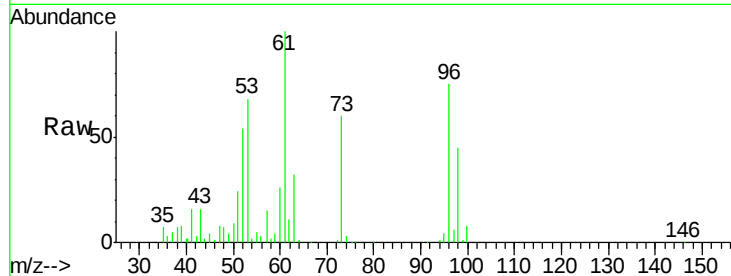
98 60.4 47.8 71.8

Manual Integrations

APPROVED

MMDadoda

9/23/2019 11:29:34 AM



#22

Diisopropyl ether

Concen: 18.037 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Tgt Ion: 45 Resp: 120566

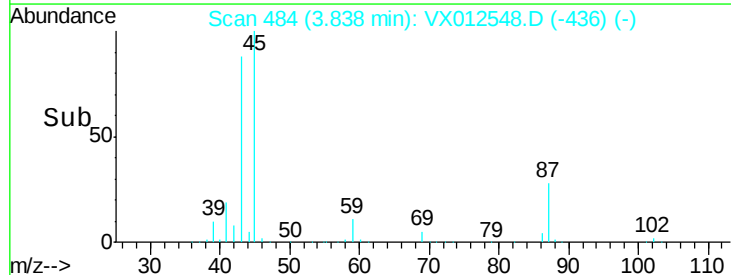
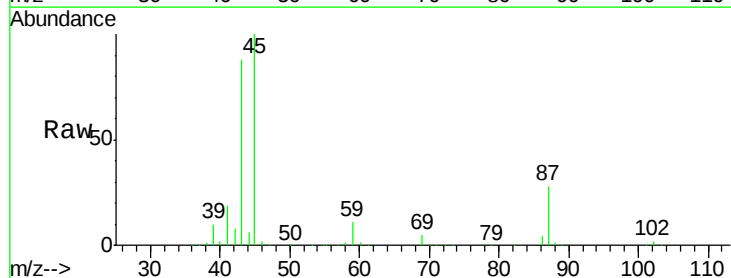
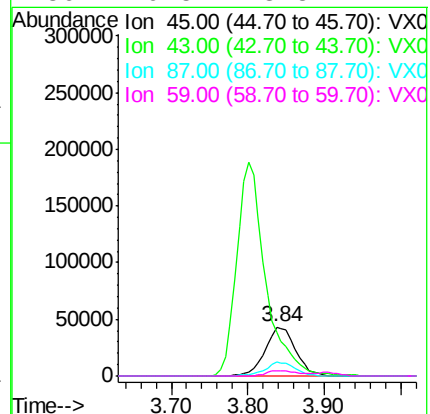
Ion Ratio Lower Upper

45 100

43 87.6 57.8 86.8#

87 27.7 21.3 31.9

59 10.5 8.5 12.7





#23

Vinyl Acetate

Concen: 89.825 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS01

Tot Ion: 43 Resp: 493925

Ion Ratio Lower Upper

43 100

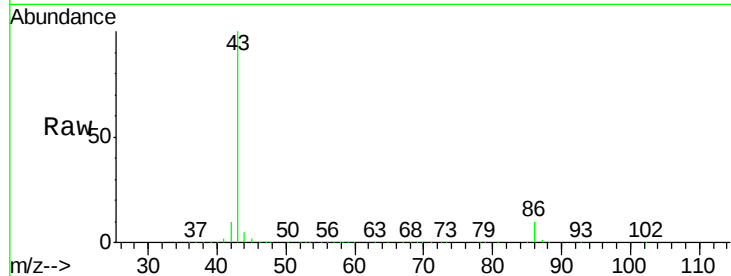
86 10.0 7.8 11.8

Manual Integrations

APPROVED

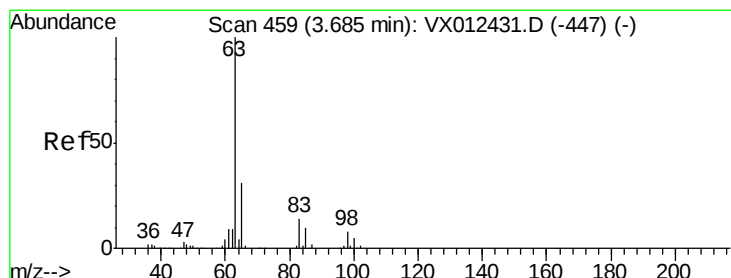
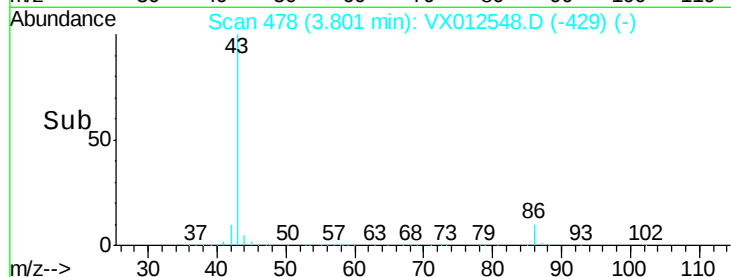
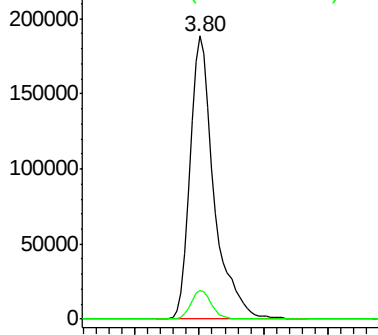
MMDadoda

9/23/2019 11:29:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.555 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

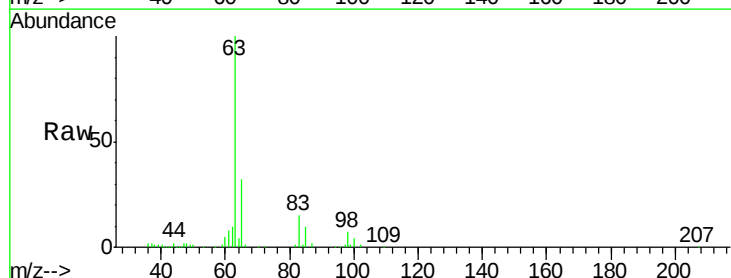
Tgt Ion: 63 Resp: 59344

Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.7

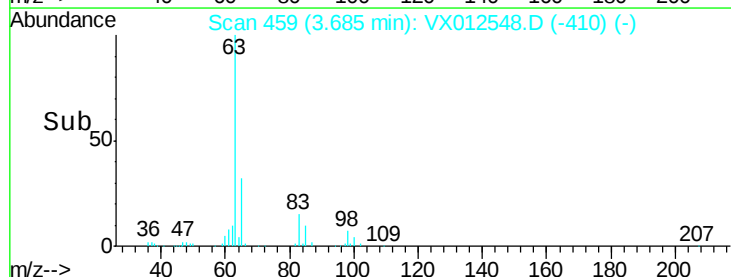
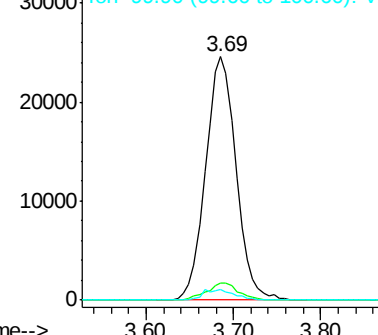
100 4.2 2.3 6.9

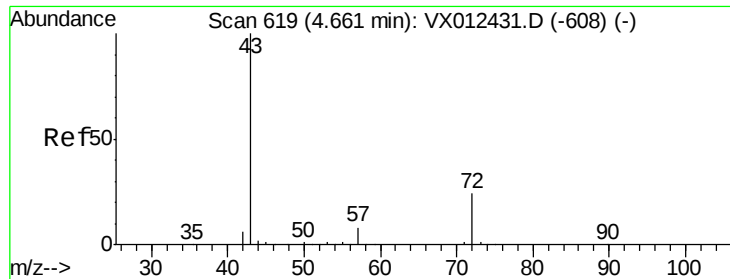


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 85.435 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Tot Ion: 43 Resp: 165663

Ion Ratio Lower Upper

43 100

72 24.5 19.2 28.8

Instrument :

MSVOA_X

ClientSampleId :

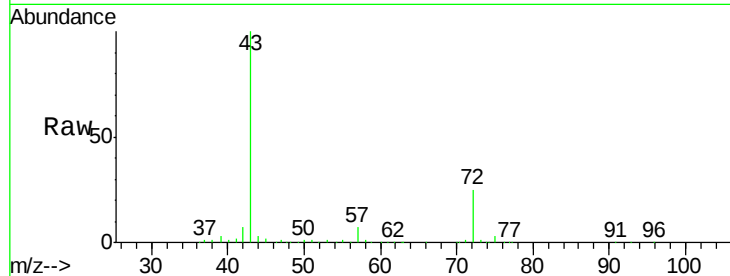
VX0920WBS01

Manual Integrations

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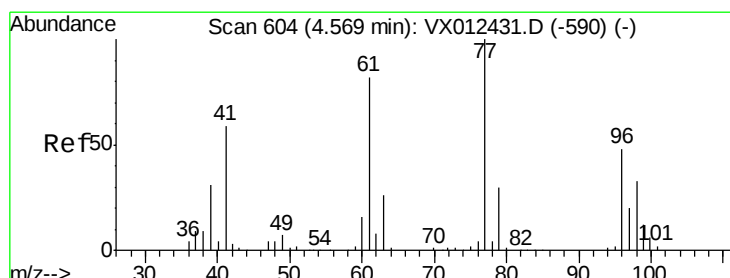
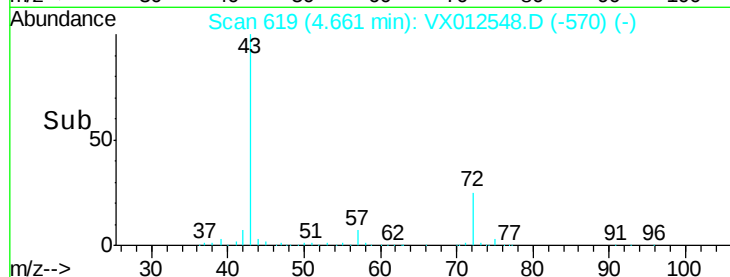
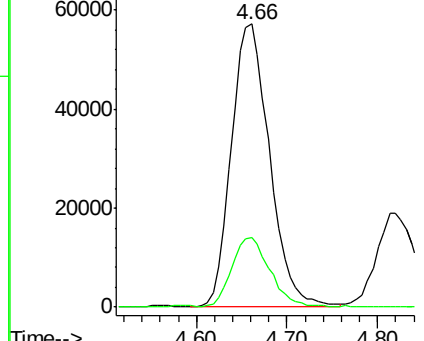
MMDadoda

9/23/2019 11:29:34 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: 17.267 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012548.D

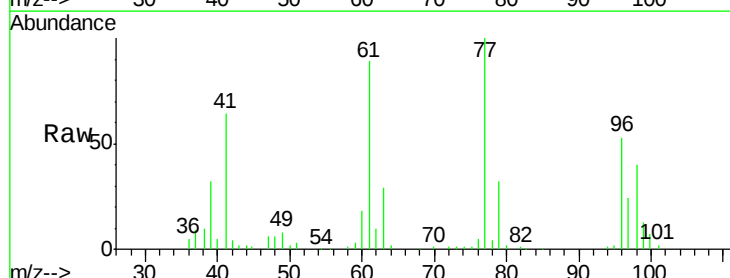
Acq: 20 Sep 2019 11:42

Tgt Ion: 77 Resp: 54314

Ion Ratio Lower Upper

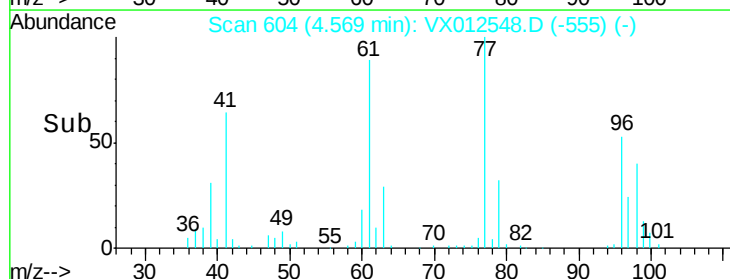
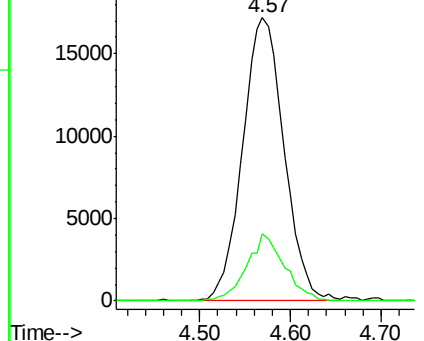
77 100

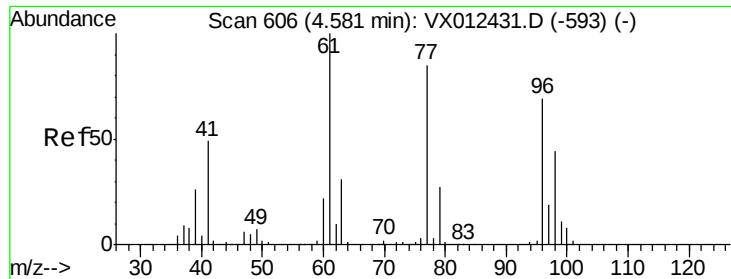
97 21.6 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

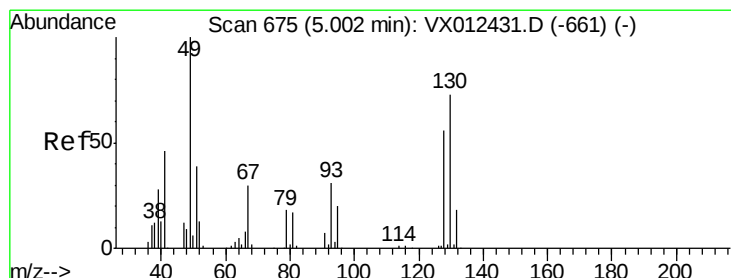
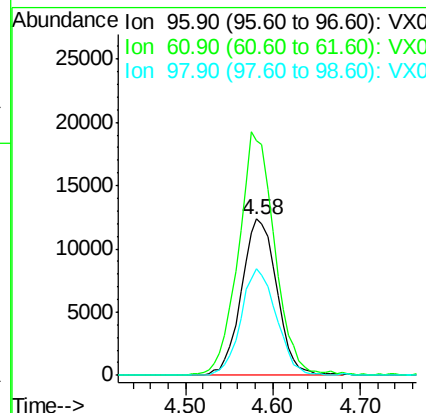
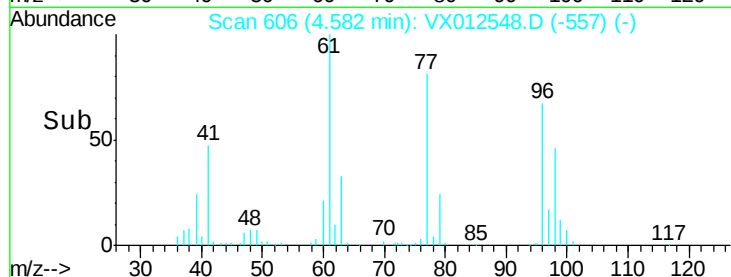
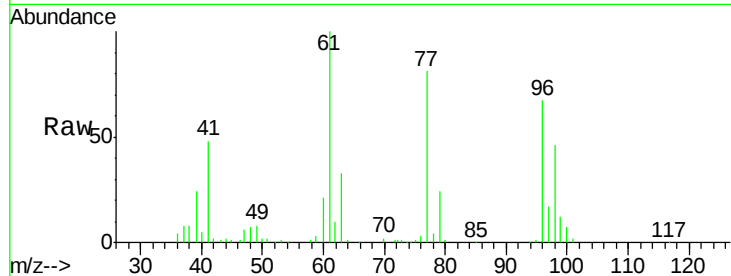
cis-1,2-Dichloroethene
Concen: 18.283 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.9	0.0	319.4
98	68.5	0.0	130.6

Manual Integrations
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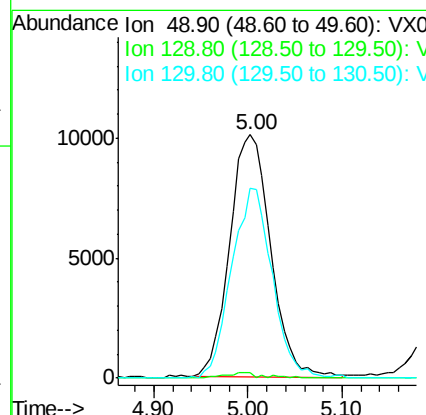
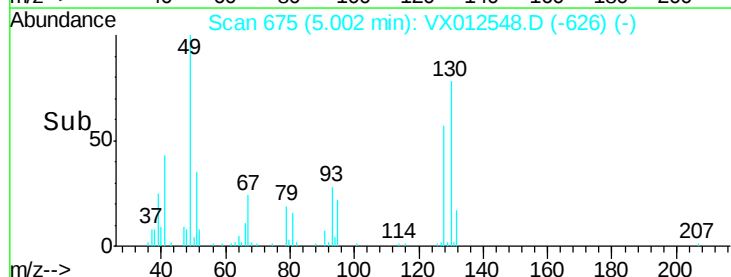
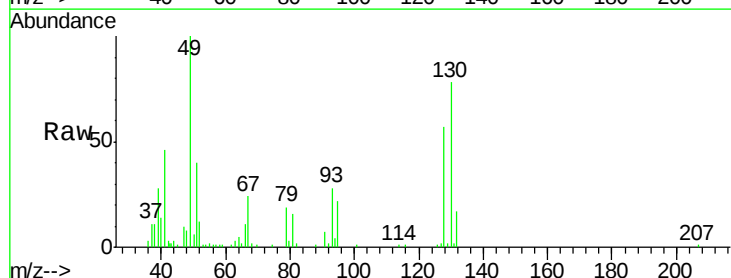
MMDadoda
9/23/2019 11:29:34 AM

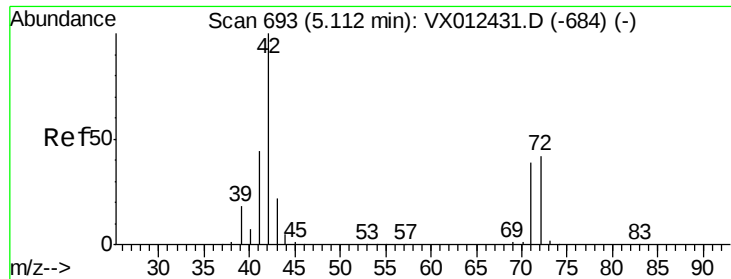


#28

Bromochloromethane
Concen: 18.487 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	78.0	58.2	87.4





#29

Tetrahydrofuran

Concen: 87.821 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_X

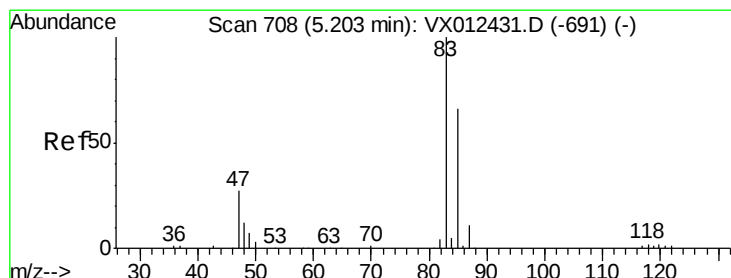
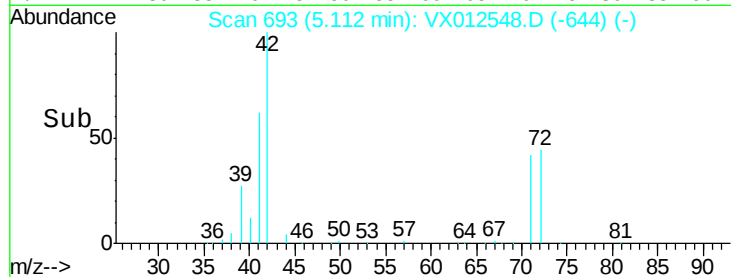
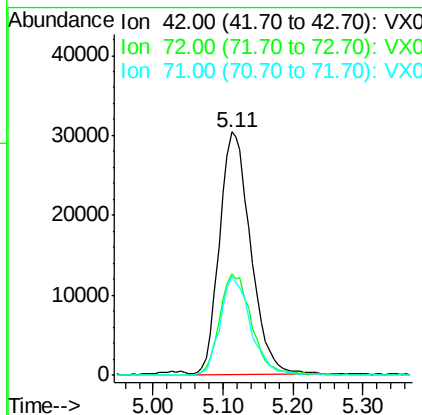
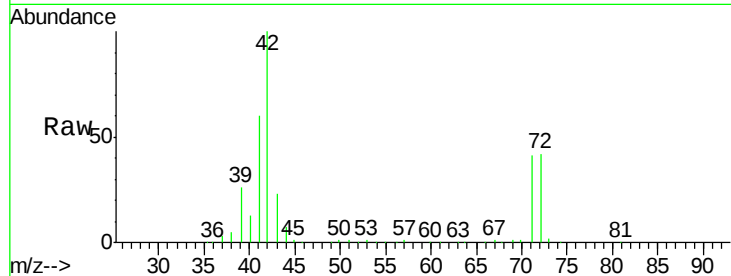
ClientSampleId :

VX0920WBS01

Tot Ion:	42	Resp:	94075
Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.0	51.0
71	39.7	31.5	47.3

Manual Integrations
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#30

Chloroform

Concen: 17.951 ug/l

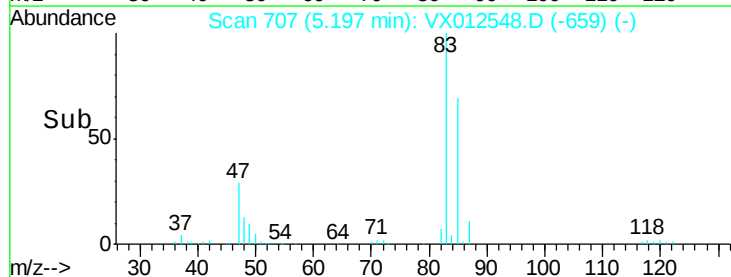
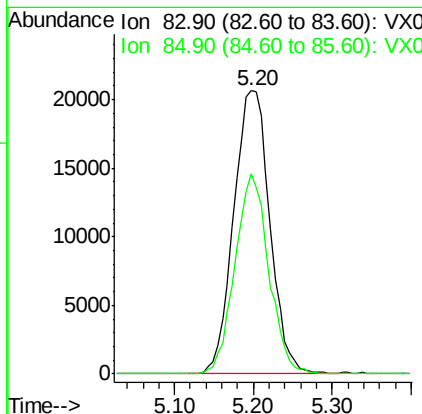
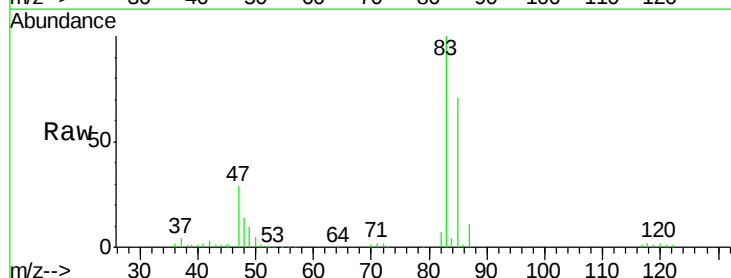
RT: 5.20 min Scan# 707

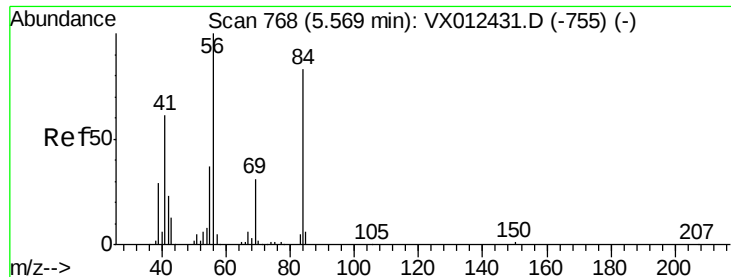
Delta R.T. -0.01 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Tgt Ion:	83	Resp:	65935
Ion	Ratio	Lower	Upper
83	100		
85	70.7	53.0	79.4





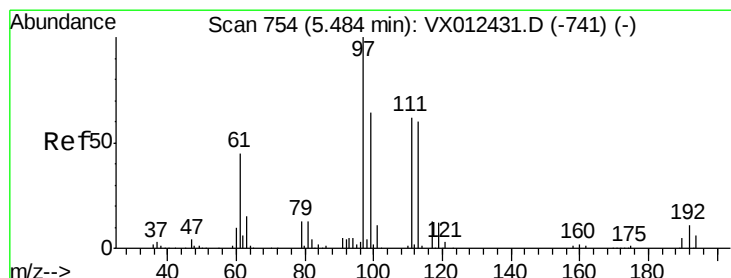
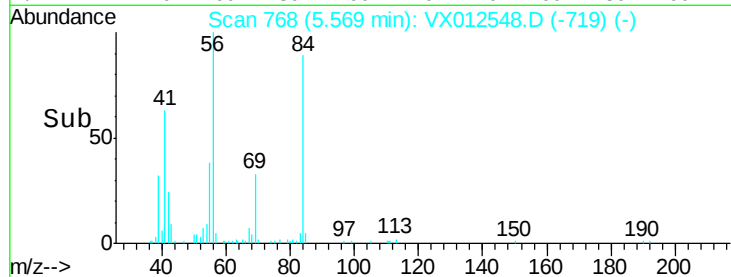
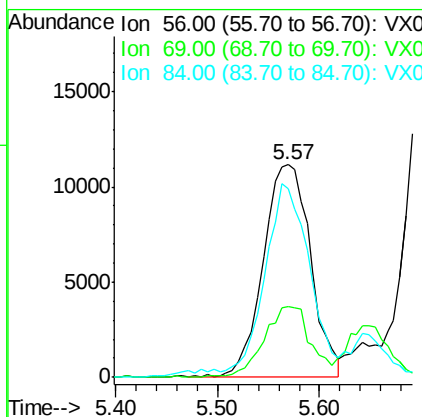
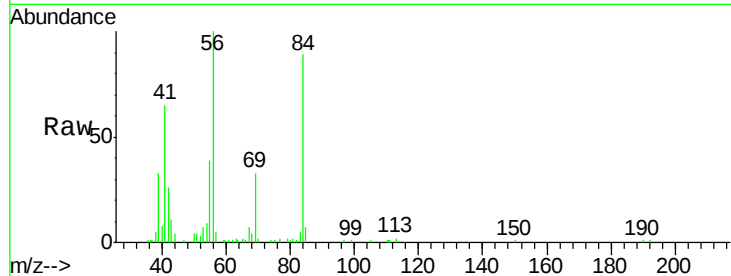
#31
Cyclohexane
Concen: 18.645 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	25.0	37.6
84	86.8	66.4	99.6

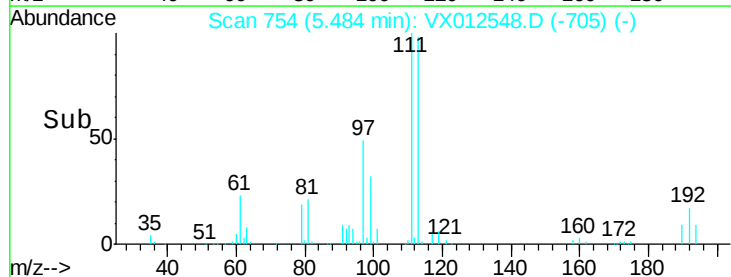
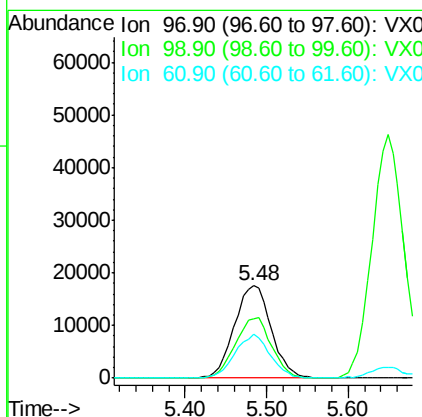
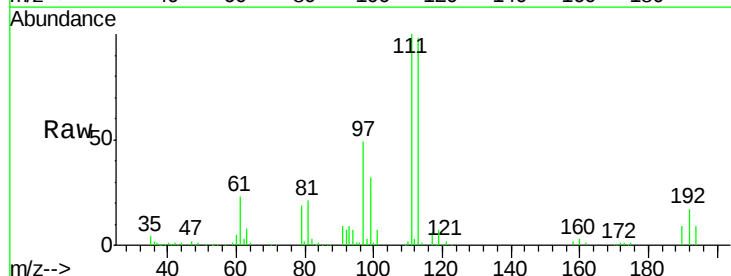
Manual Integrations
APPROVED

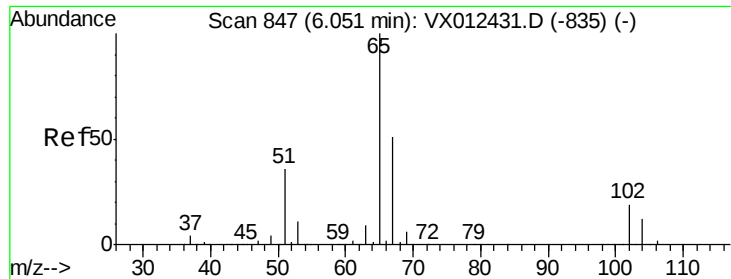
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#32
1,1,1-Trichloroethane
Concen: 17.913 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	45.6	36.1	54.1





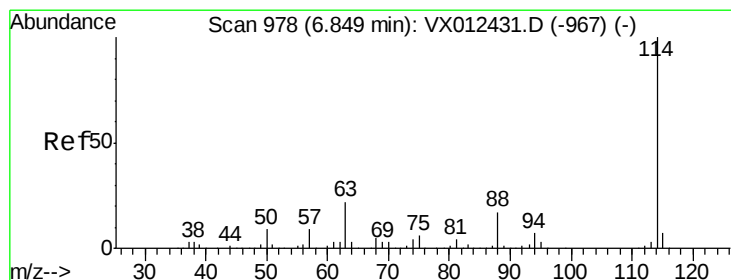
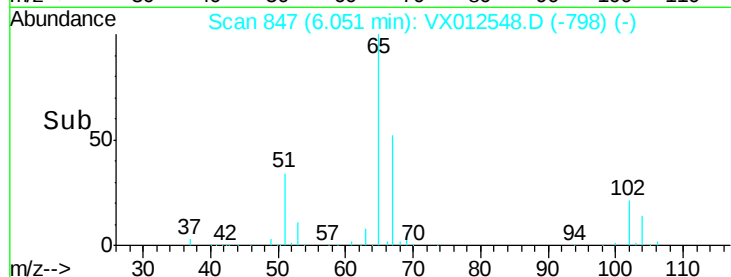
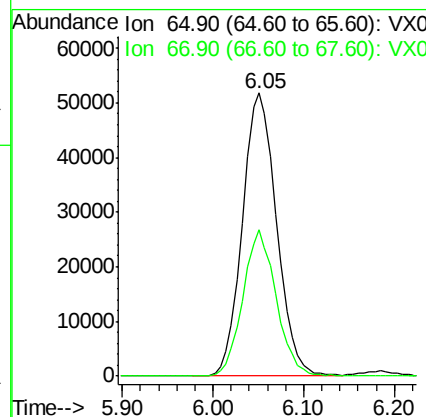
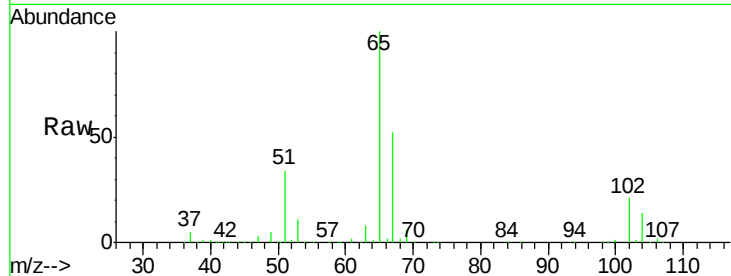
#33
 1,2-Dichloroethane-d4
 Concen: 48.460 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012548.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	135464		
67	50.4	0.0	101.2	

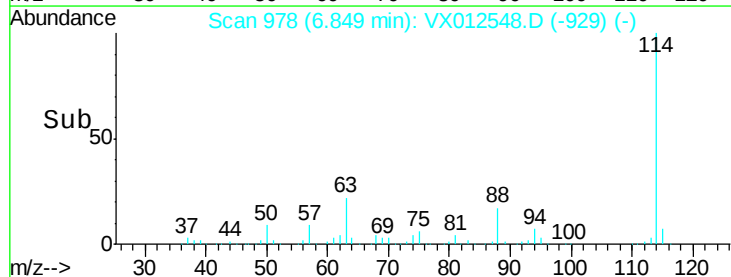
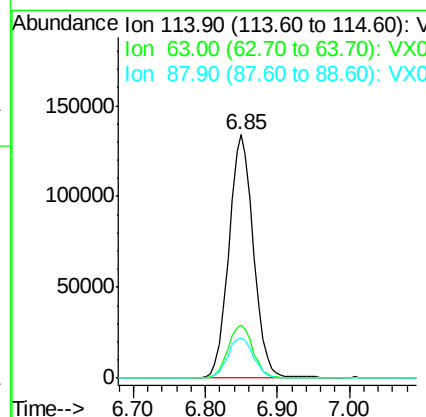
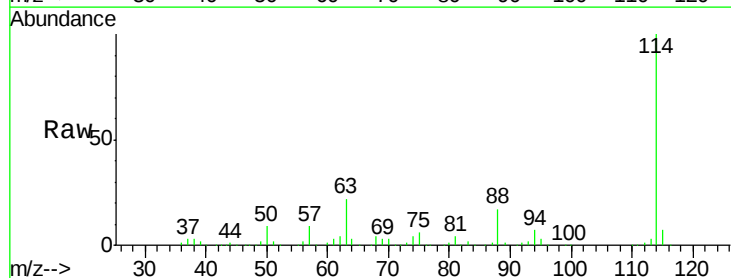
Manual Integrations
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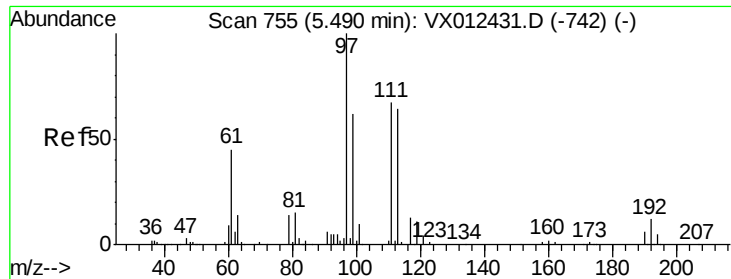
MMDadoda
 9/23/2019 11:29:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012548.D
 Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	318502		
63	21.9	0.0	43.2	
88	16.7	0.0	33.2	





#35

Dibromofluoromethane

Concen: 51.223 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_X

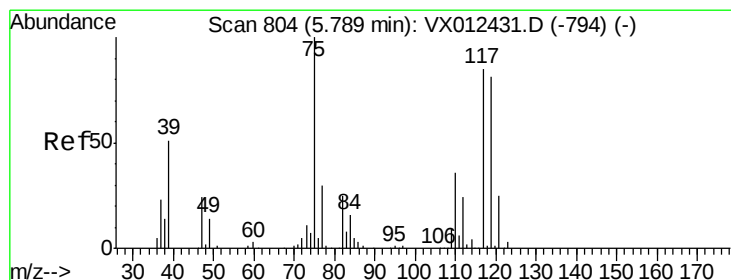
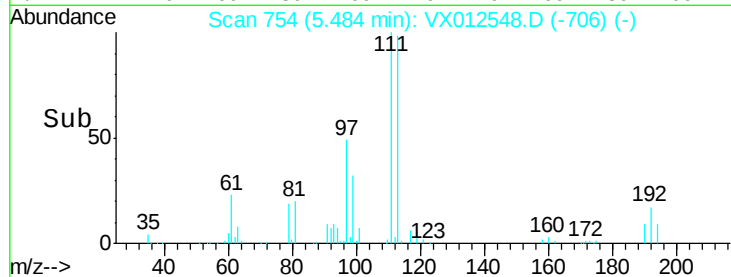
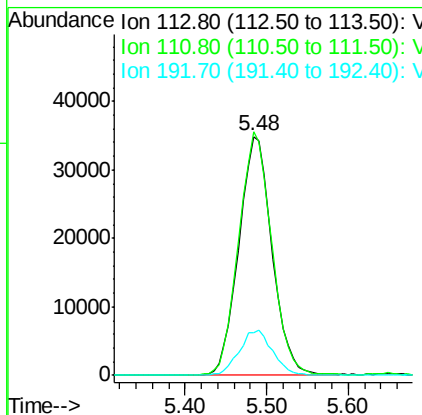
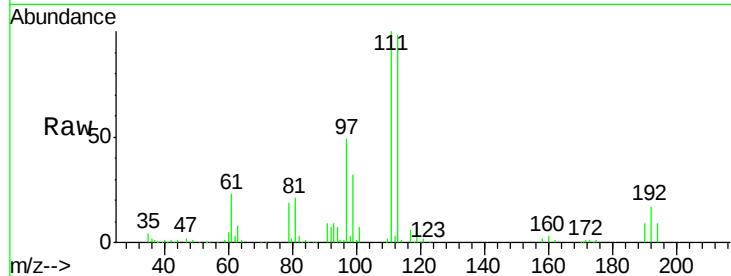
ClientSampleId :

VX0920WBS01

Tot Ion:	113	Resp:	98745
Ion Ratio	Lower	Upper	
113	100		
111	101.4	83.4	125.2
192	18.9	14.4	21.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 17.732 ug/l

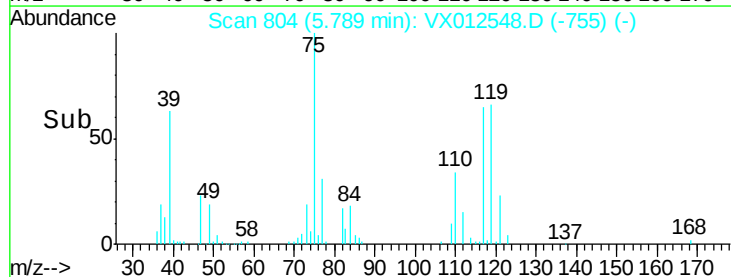
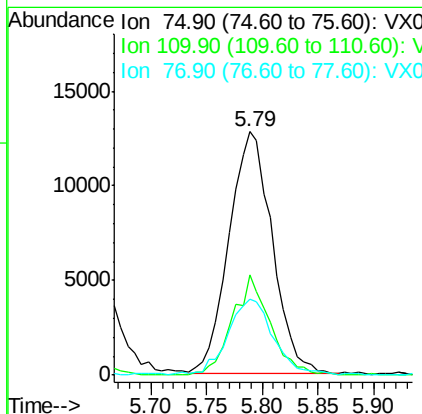
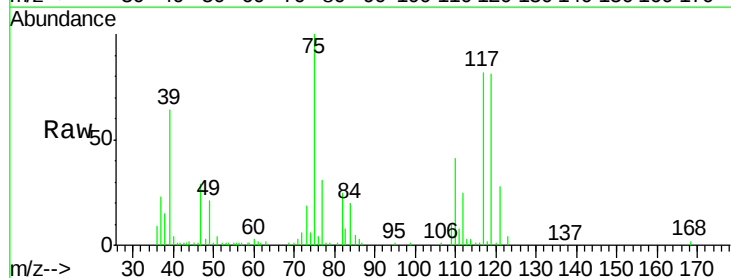
RT: 5.79 min Scan# 804

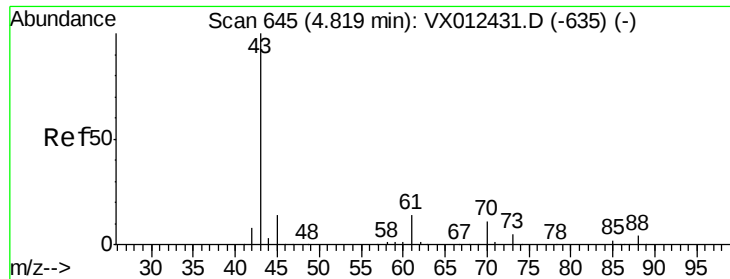
Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Tgt Ion:	75	Resp:	34323
Ion Ratio	Lower	Upper	
75	100		
110	36.4	16.7	50.0
77	33.3	24.2	36.2





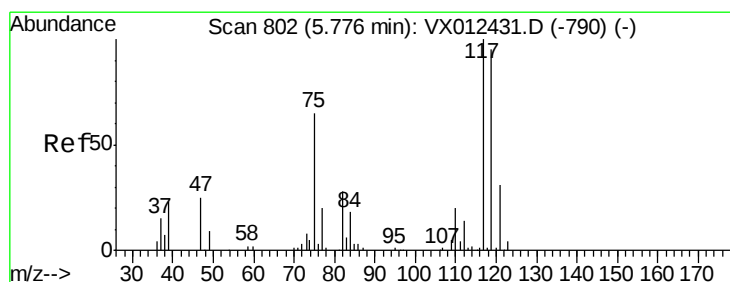
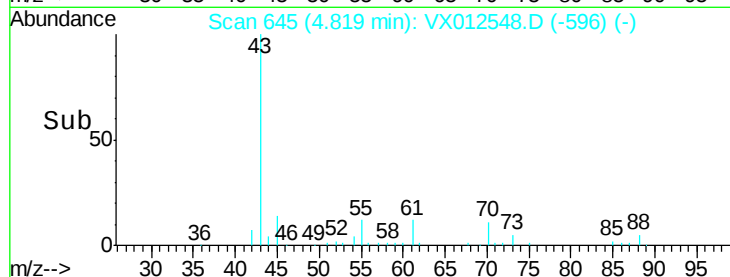
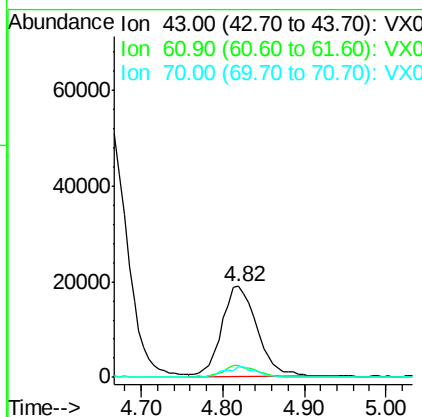
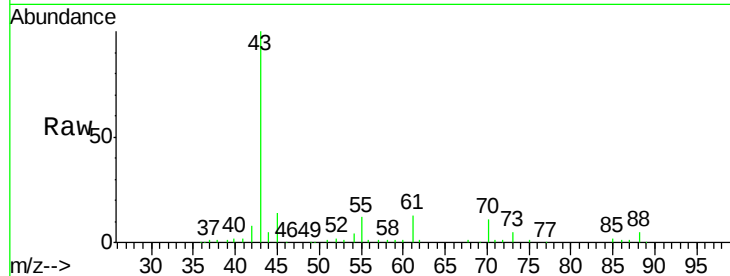
#37
Ethyl Acetate
Concen: 19.020 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.2	15.4
70	11.1	8.7	13.1

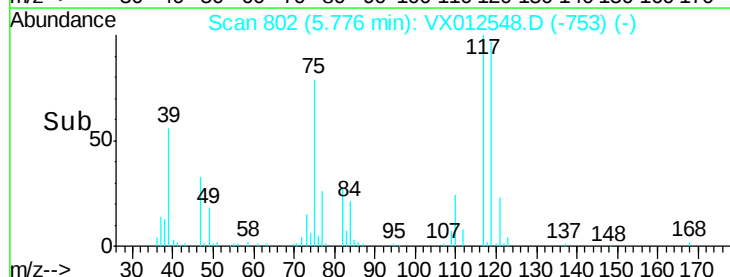
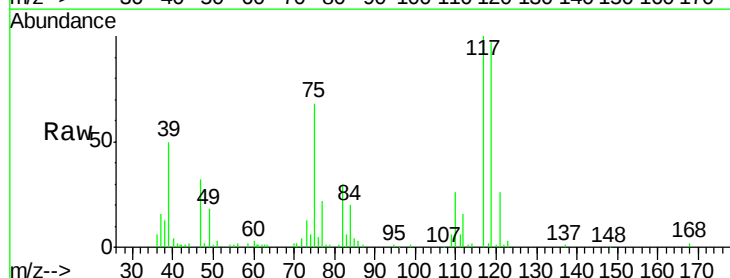
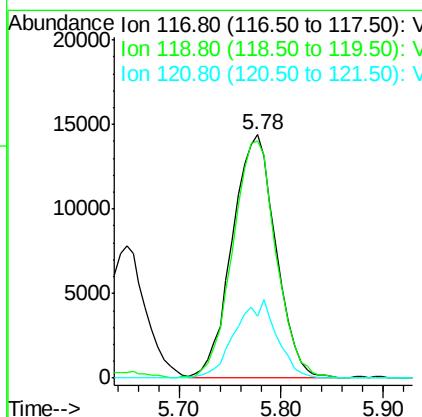
Manual Integrations
APPROVED

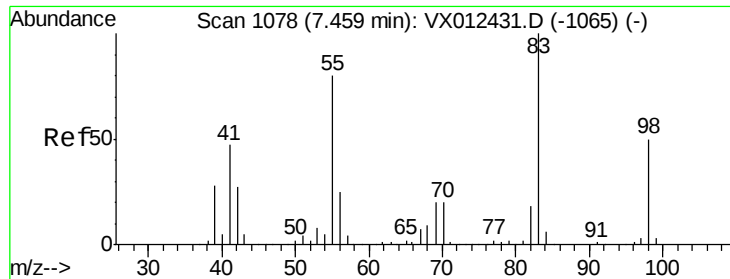
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.806 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	75.7	113.5
121	25.6	24.2	36.4





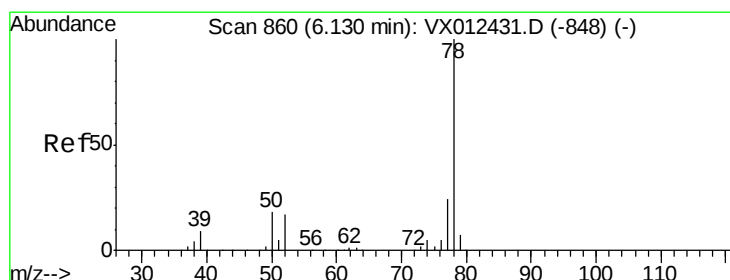
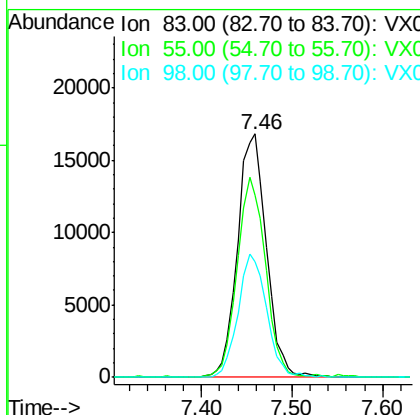
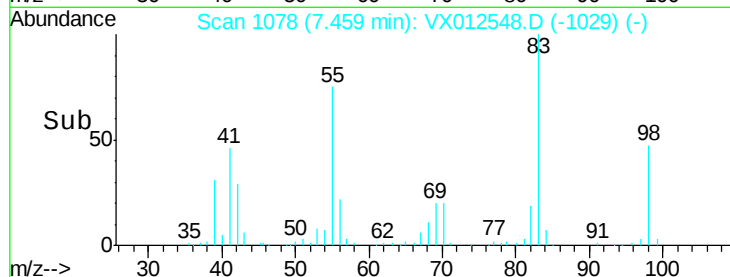
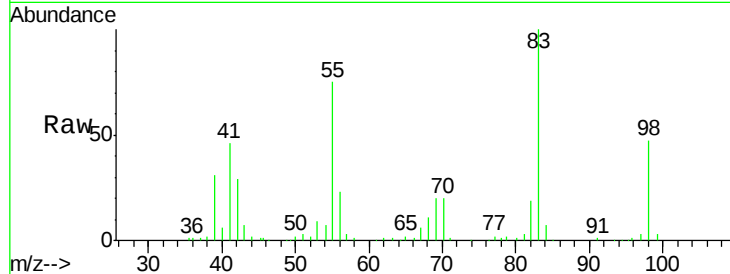
#39
Methvlcvclohexane
Concen: 19.811 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS01

Tot Ion	83	Resp	37279
Ion Ratio	100	Lower	Upper
83	100		
55	74.8	64.4	96.6
98	47.4	40.1	60.1

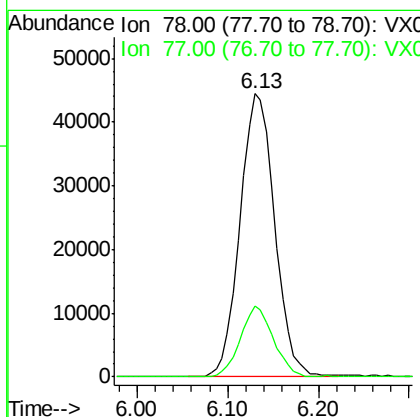
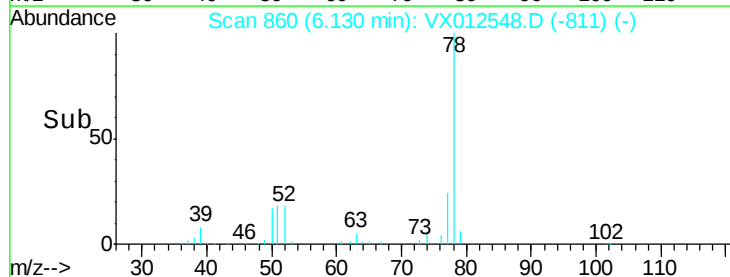
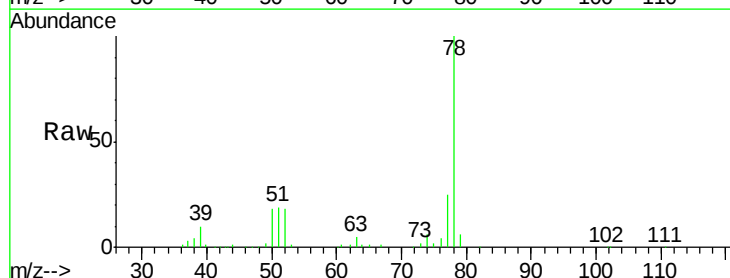
Manual Integrations
APPROVED

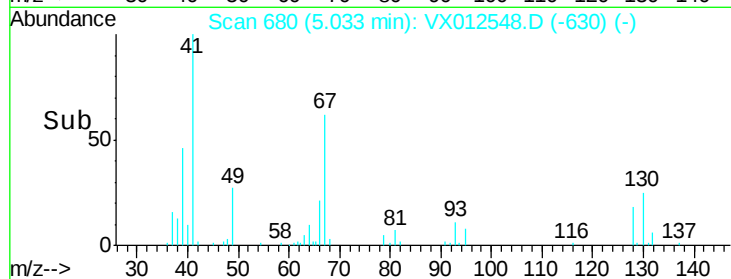
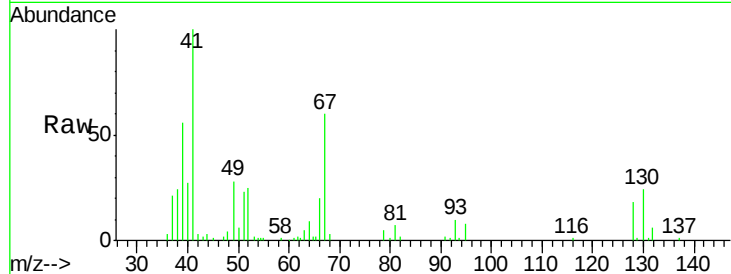
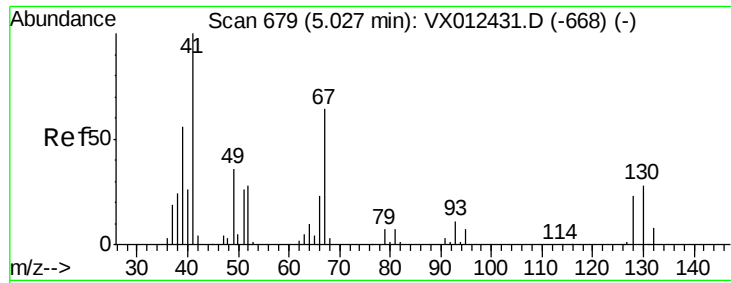
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#40
Benzene
Concen: 19.159 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tgt Ion	78	Resp	117933
Ion Ratio	100	Lower	Upper
78	100		
77	24.9	19.2	28.8





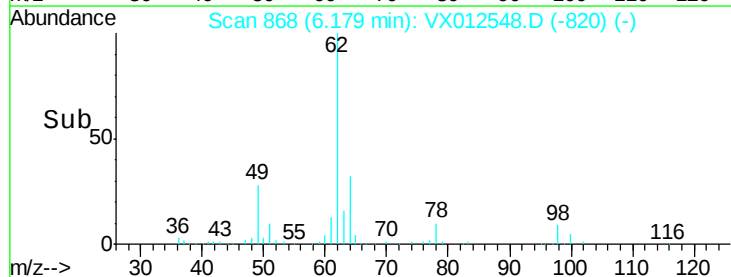
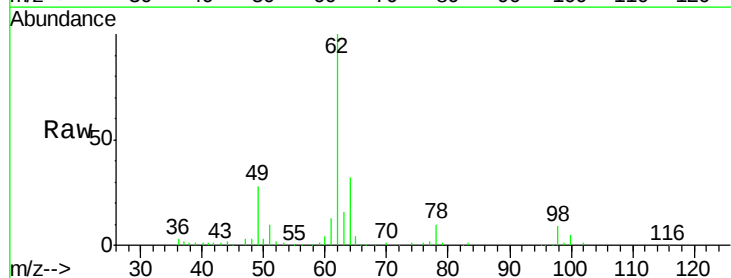
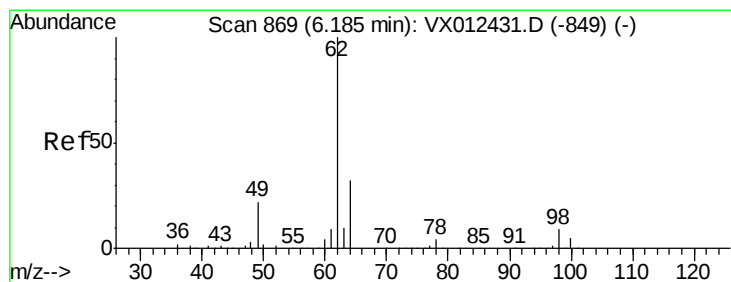
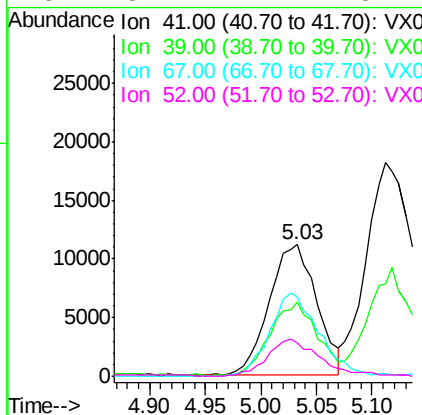
#41
Methacrylonitrile
Concen: 17.452 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		33389		
39	57.0	46.0	69.0		
67	65.7	52.2	78.2		
52	31.2	22.7	34.1		

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS01

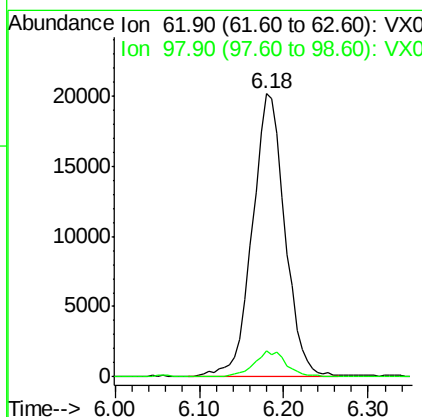
Manual Integrations
APPROVED

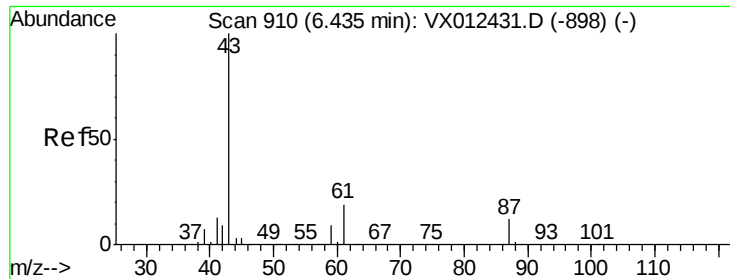
MMDadoda
9/23/2019 11:29:34 AM



#42
1,2-Dichloroethane
Concen: 18.676 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		53321		
98	9.0	0.0	17.8		





#43

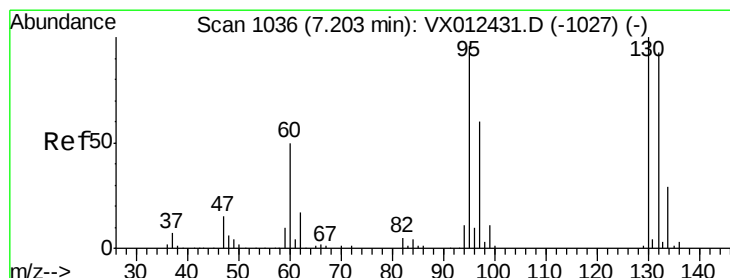
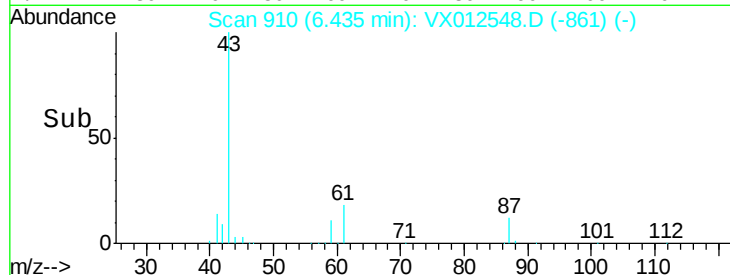
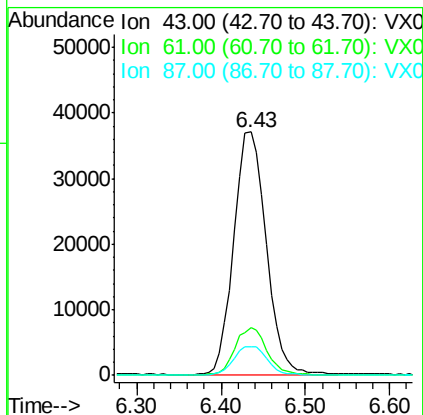
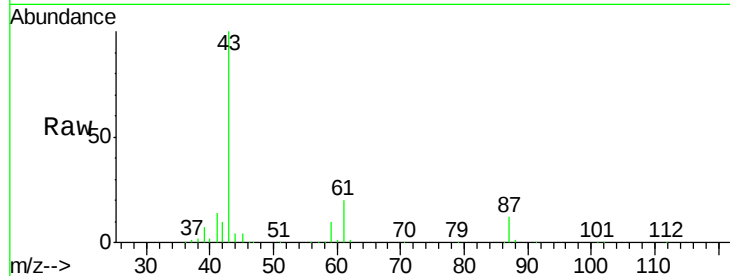
Isopropyl Acetate
 Concen: 18.078 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012548.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.4	23.0
87	12.4	9.8	14.8

Manual Integrations
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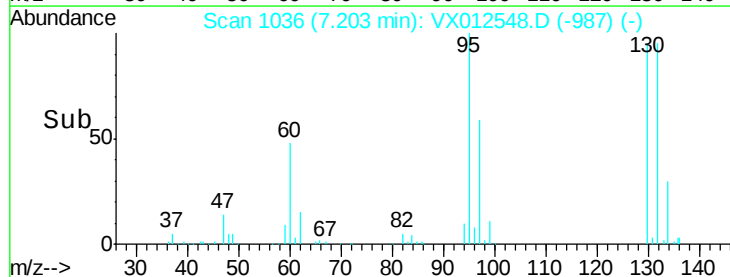
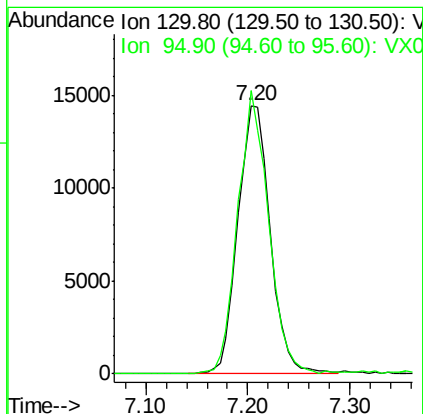
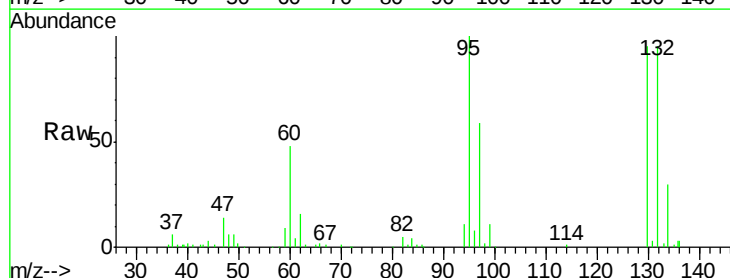
MMDadoda
 9/23/2019 11:29:34 AM



#44

Trichloroethene
 Concen: 19.704 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX012548.D
 Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	193.0





#45

1,2-Dichloropropane

Concen: 18.496 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS01

Tot Ion: 63 Resp: 34978

Ion Ratio Lower Upper

63 100

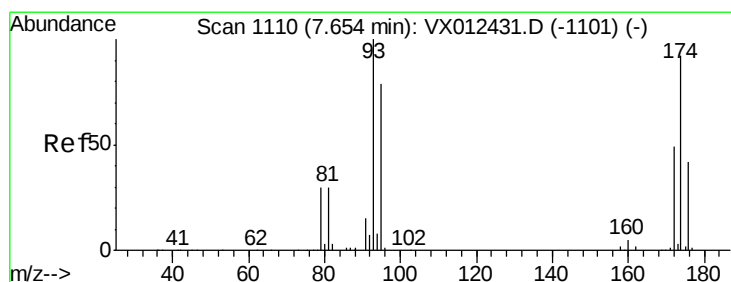
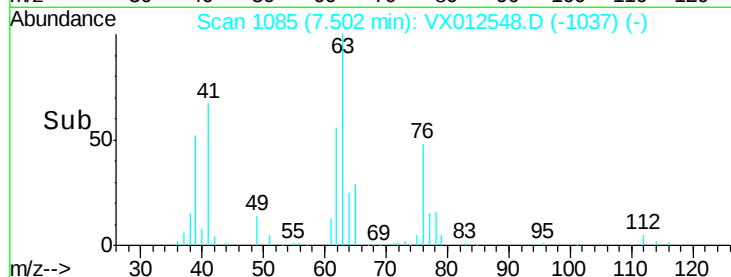
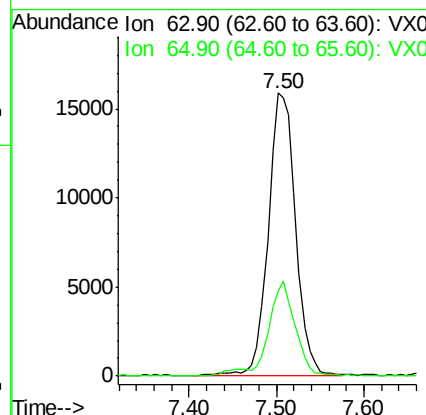
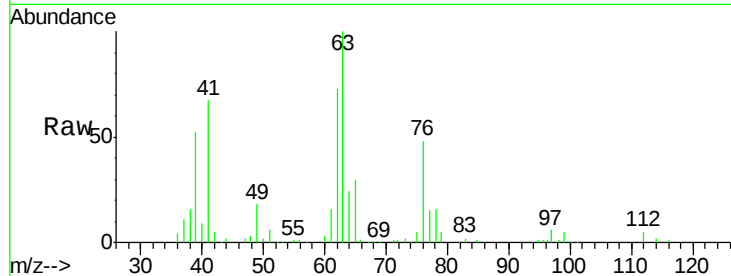
65 30.1 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 18.440 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

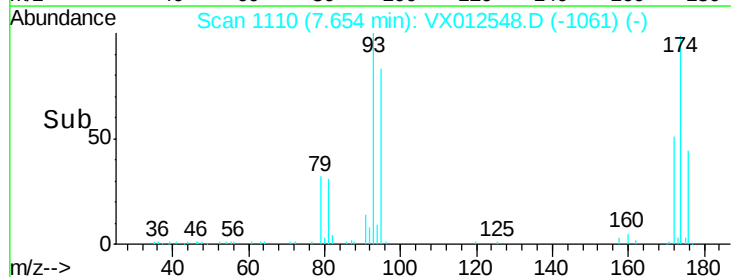
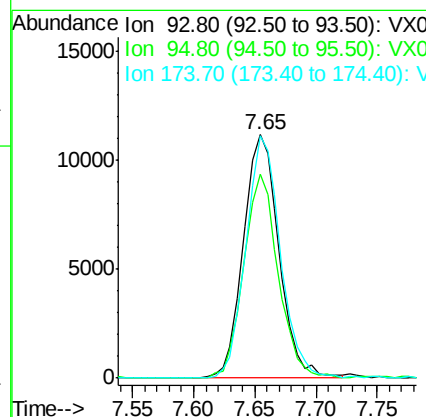
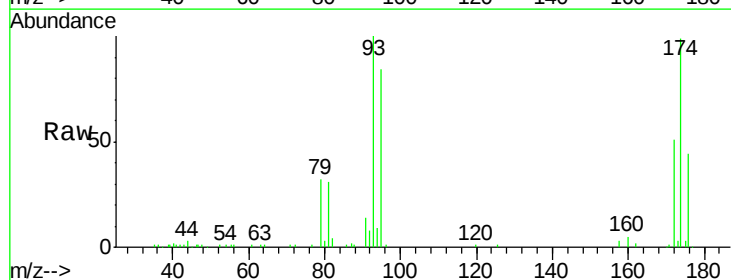
Tgt Ion: 93 Resp: 22567

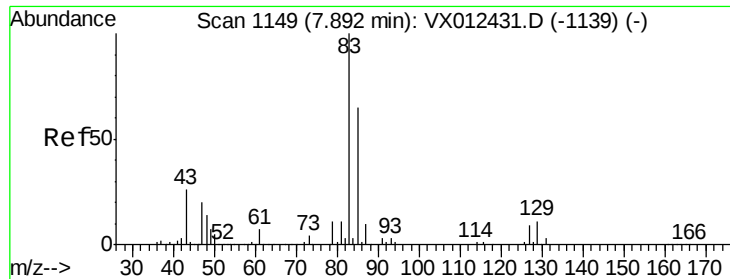
Ion Ratio Lower Upper

93 100

95 81.1 66.6 100.0

174 97.2 77.4 116.0





#47

Bromodichloromethane

Concen: 18.014 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_X

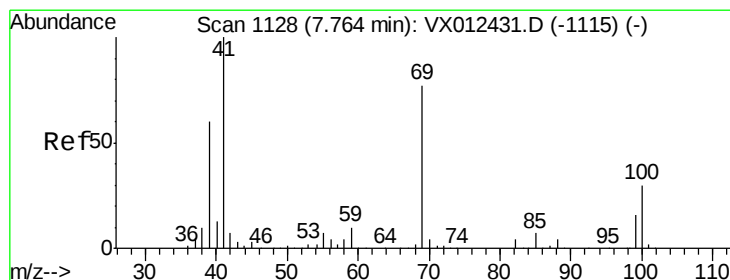
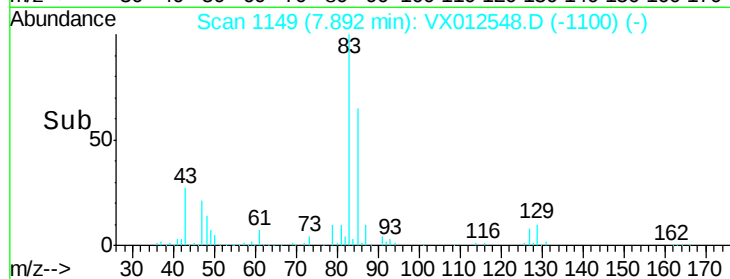
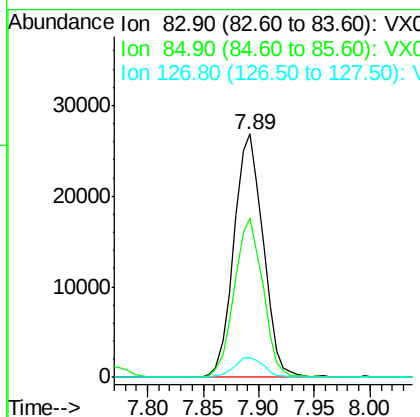
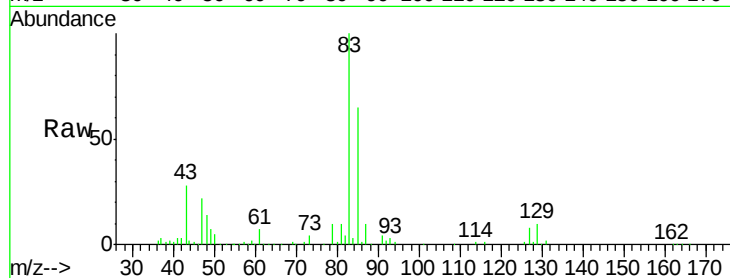
ClientSampleId :

VX0920WBS01

Tot Ion:	83	Resp:	49087
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.8	77.6
127	7.9	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.779 ug/l

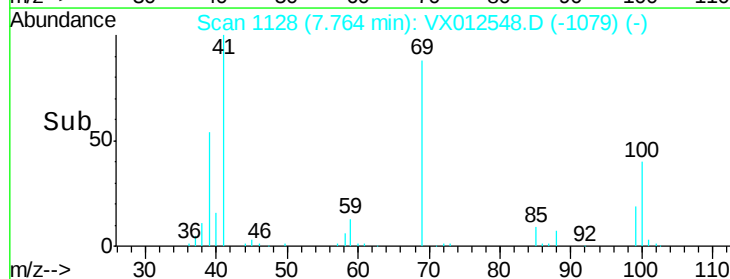
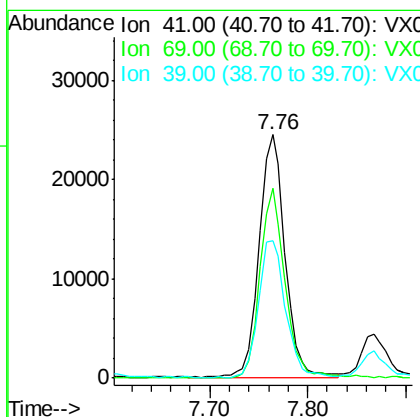
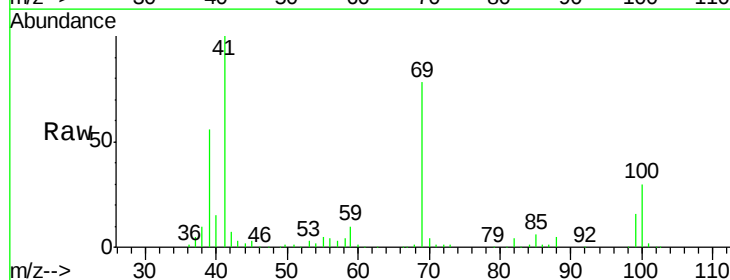
RT: 7.76 min Scan# 1128

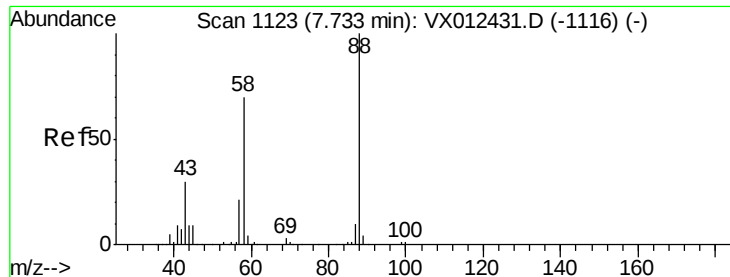
Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Tgt Ion:	41	Resp:	44694
Ion Ratio	Lower	Upper	
41	100		
69	76.1	59.9	89.9
39	59.2	47.8	71.6





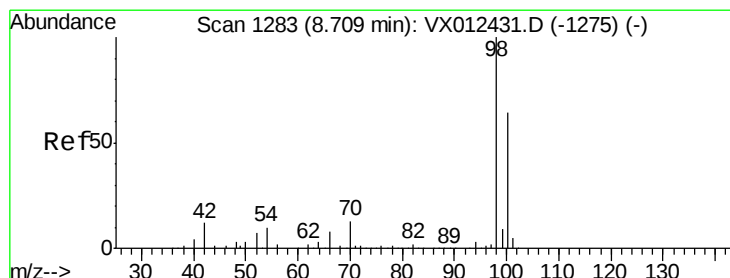
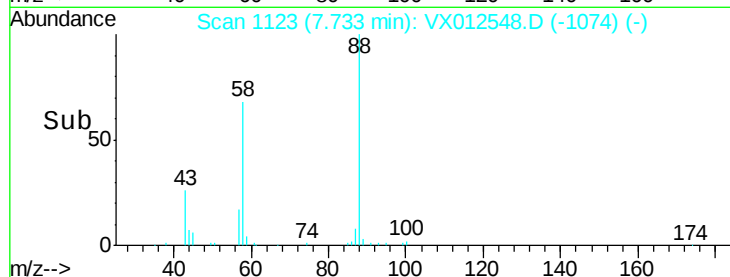
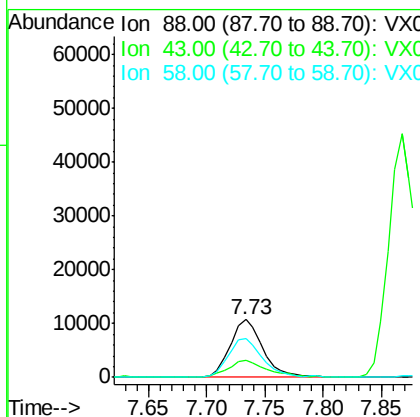
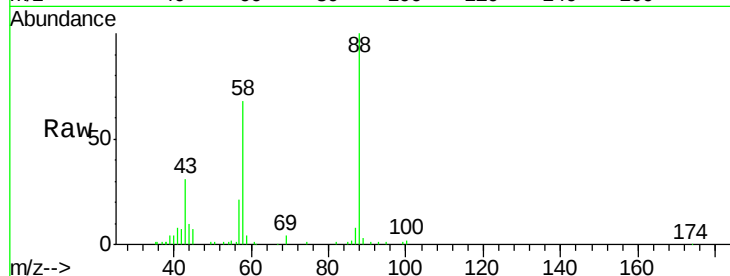
#49
1,4-Dioxane
Concen: 346.366 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	29.4	44.0
58	71.3	57.5	86.3

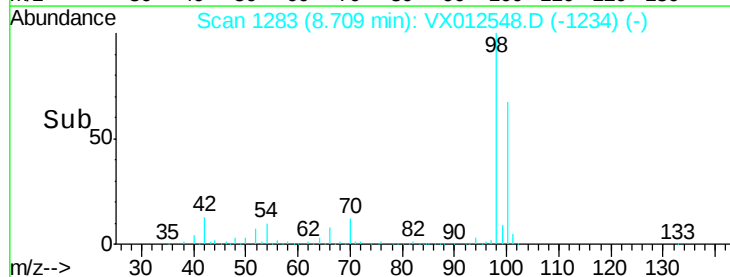
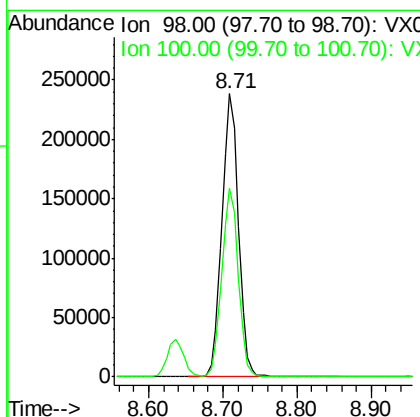
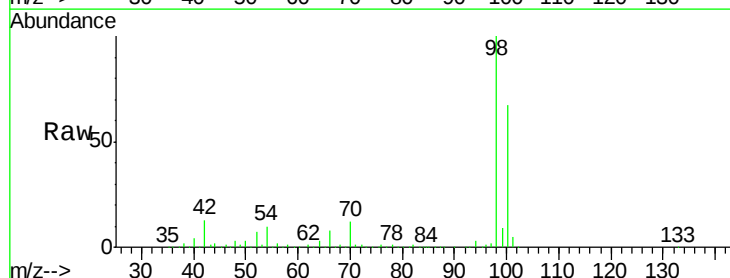
Manual Integrations
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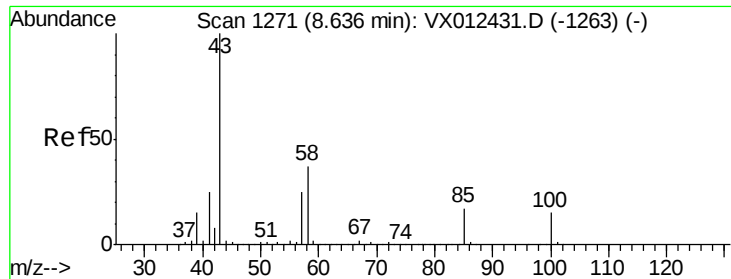
MMDadoda
9/23/2019 11:29:34 AM



#50
Toluene-d8
Concen: 51.612 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 91.546 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS01

Tot Ion: 43 Resp: 320165

Ion Ratio Lower Upper

43 100

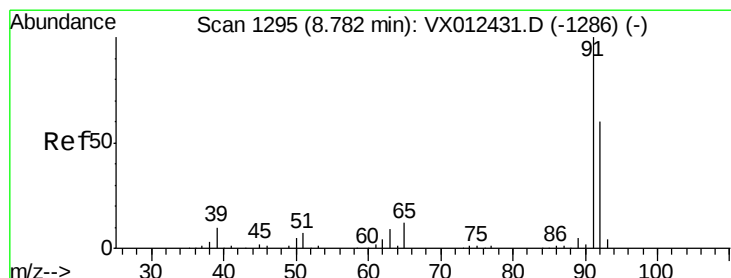
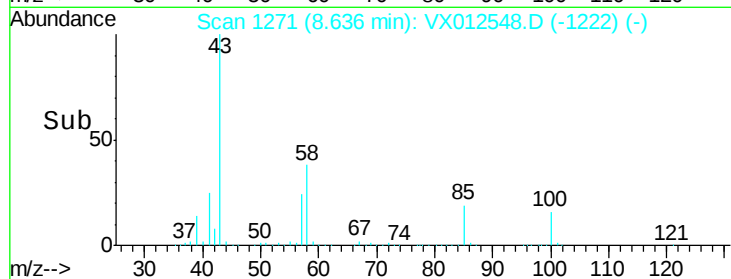
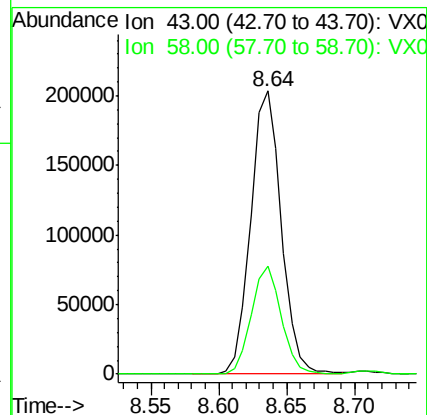
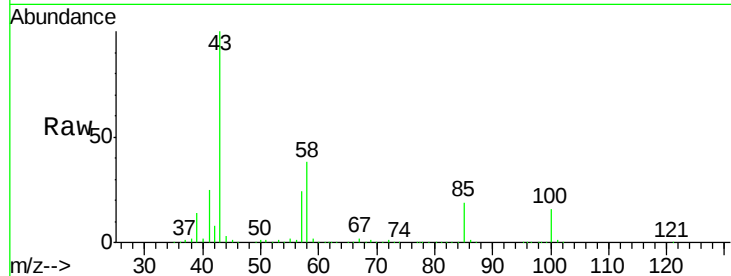
58 37.5 29.8 44.6

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#52

Toluene

Concen: 19.591 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012548.D

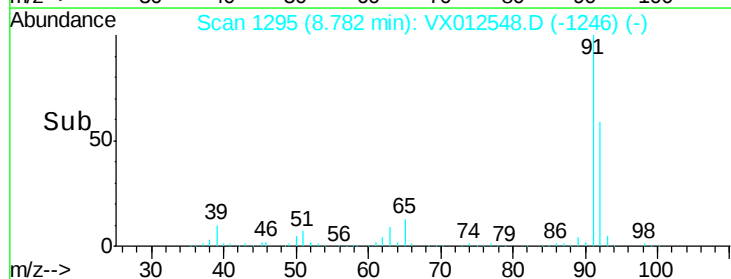
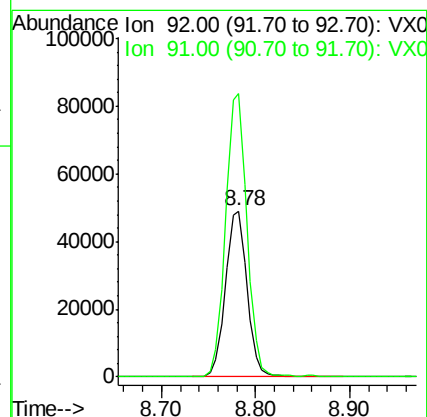
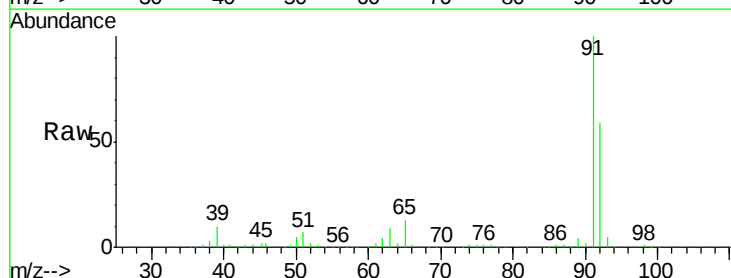
Acq: 20 Sep 2019 11:42

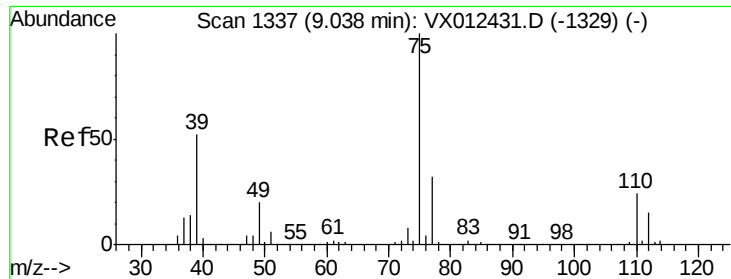
Tgt Ion: 92 Resp: 77704

Ion Ratio Lower Upper

92 100

91 169.0 135.4 203.0





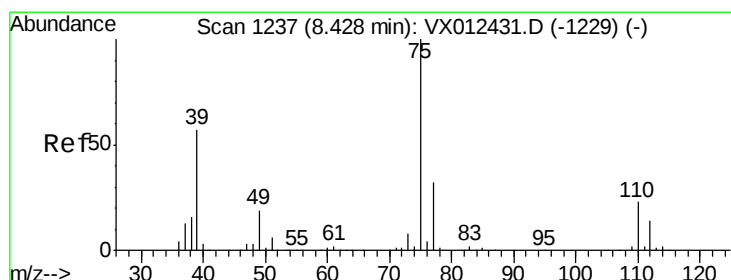
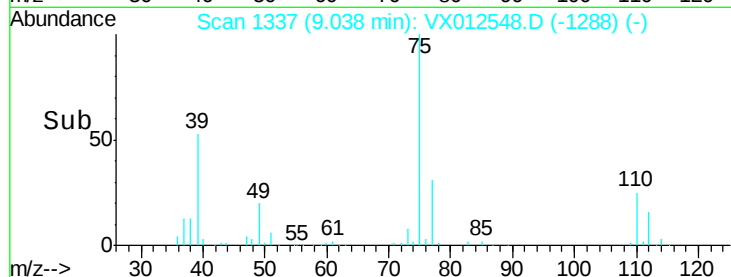
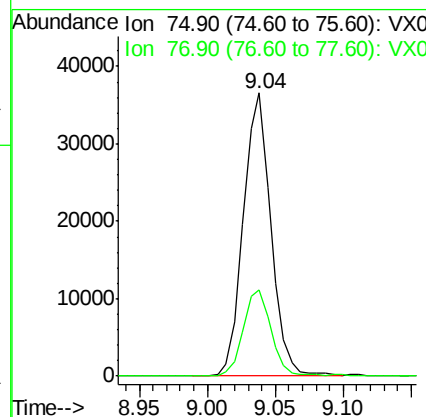
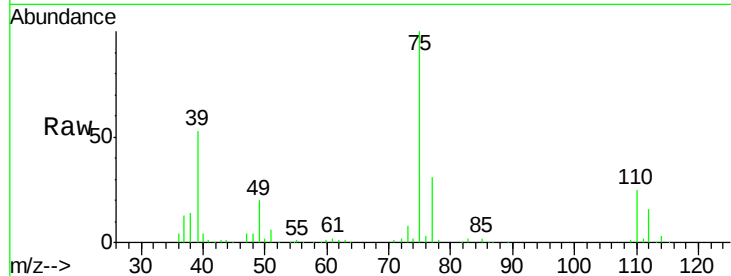
#53
t-1,3-Dichloropropene
Concen: 18.332 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS01

Tot Ion: 75 Resp: 51924
Ion Ratio Lower Upper
75 100
77 30.5 25.2 37.8

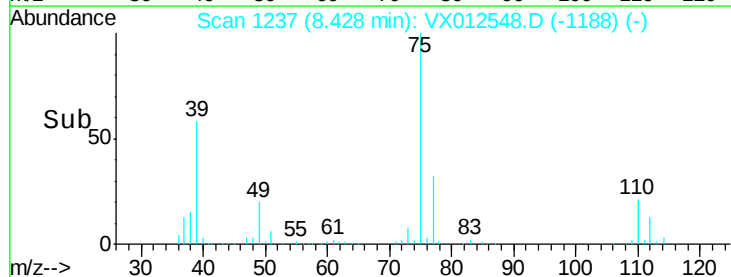
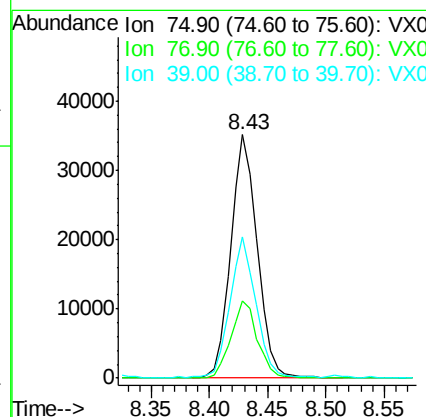
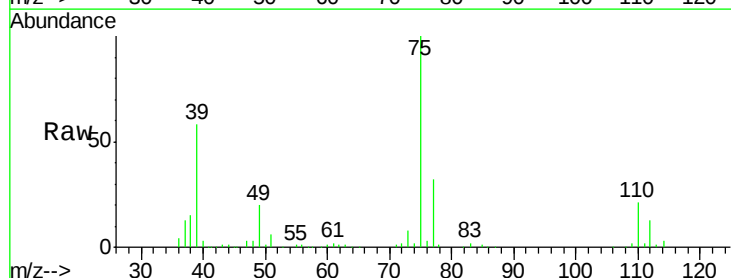
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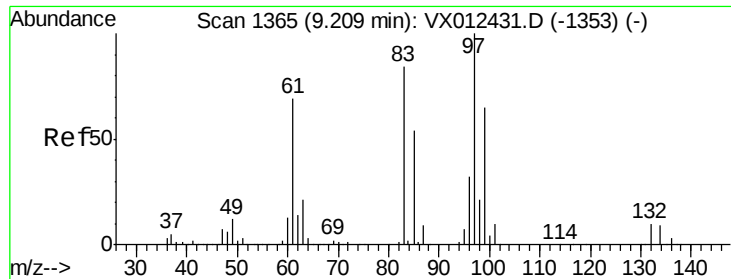
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.896 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tgt Ion: 75 Resp: 55410
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8
39 57.3 45.5 68.3





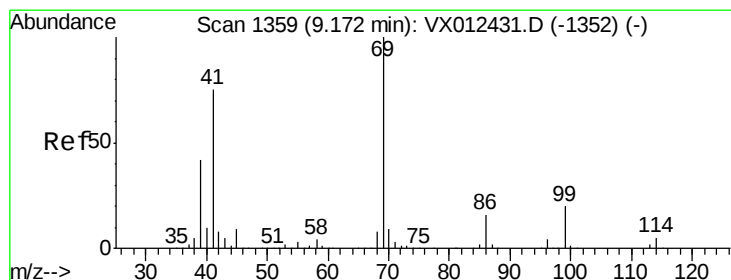
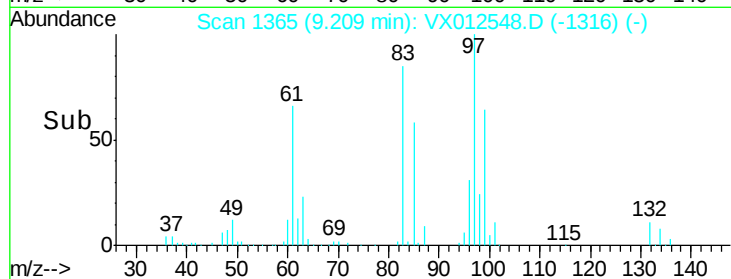
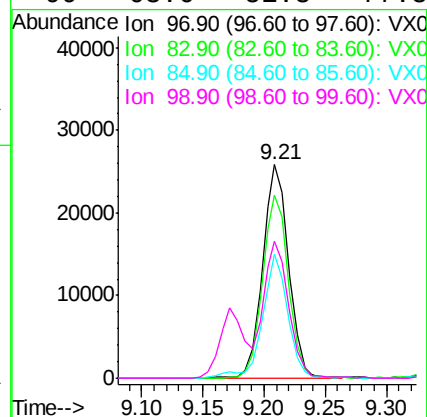
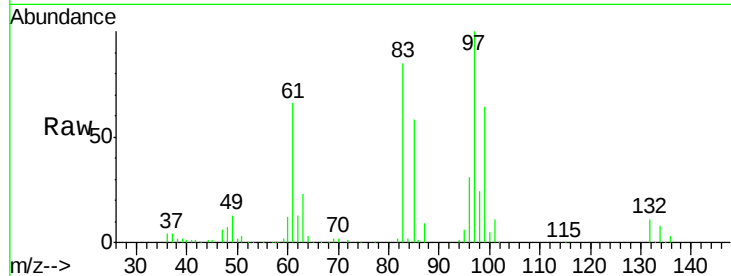
#55
 1,1,2-Trichloroethane
 Concen: 18.735 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012548.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBS01

Tot Ion:	97	Resp:	38285
Ion Ratio	Lower	Upper	
97	100		
83	85.5	67.4	101.2
85	58.0	43.5	65.3
99	63.6	51.8	77.8

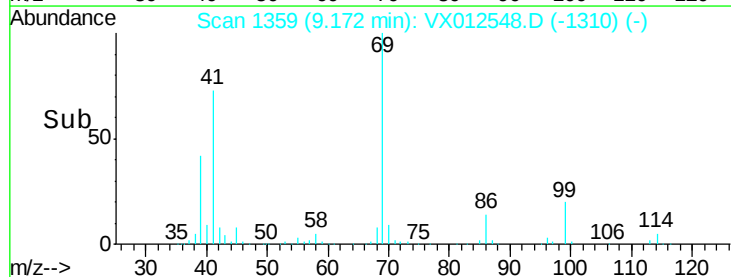
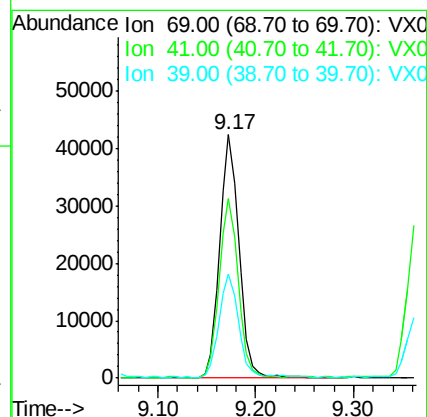
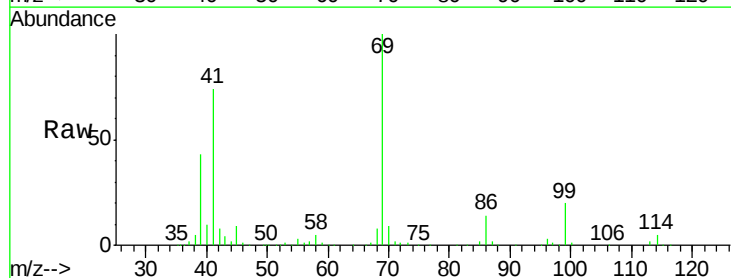
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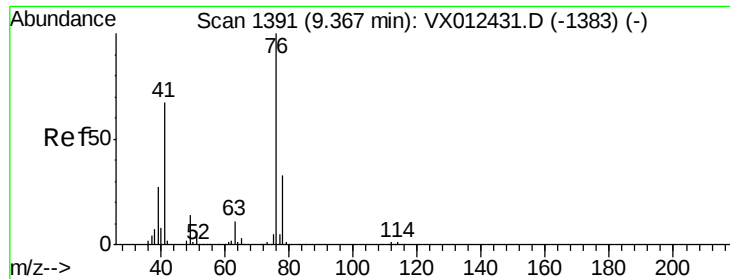
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#56
 Ethyl methacrylate
 Concen: 18.403 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012548.D
 Acq: 20 Sep 2019 11:42

Tgt Ion:	69	Resp:	58796
Ion Ratio	Lower	Upper	
69	100		
41	71.8	58.4	87.6
39	42.7	33.4	50.0





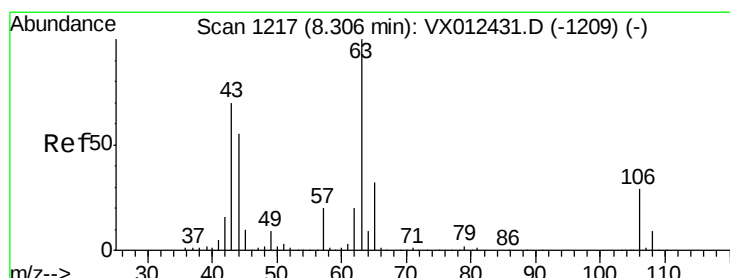
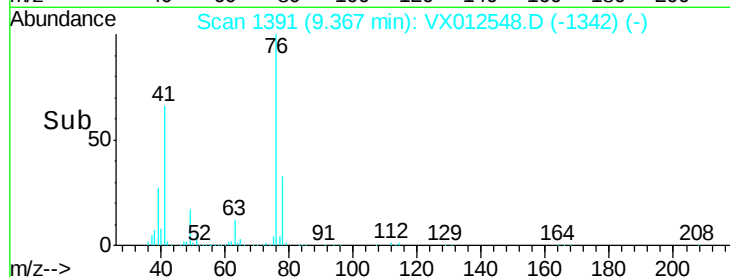
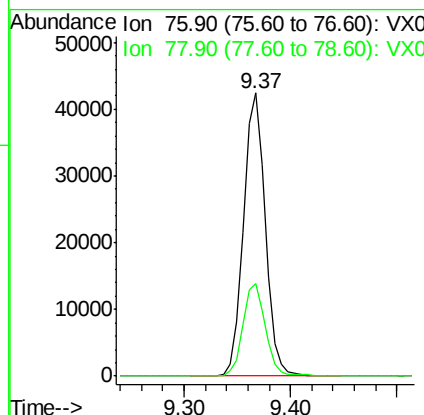
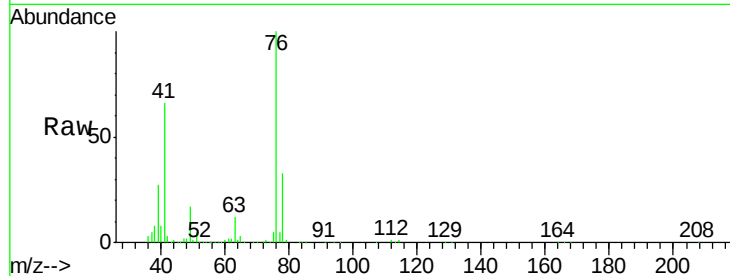
#57
 1,3-Dichloropropane
 Concen: 18.790 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012548.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.7	26.2	39.2

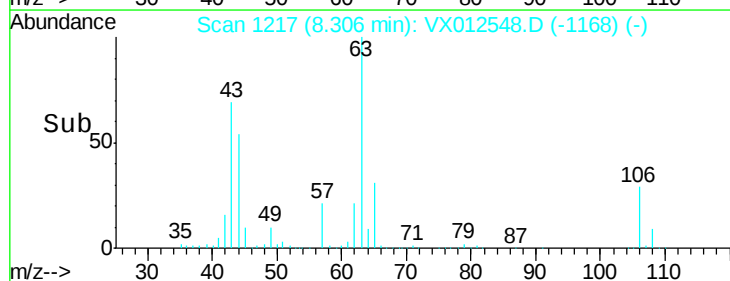
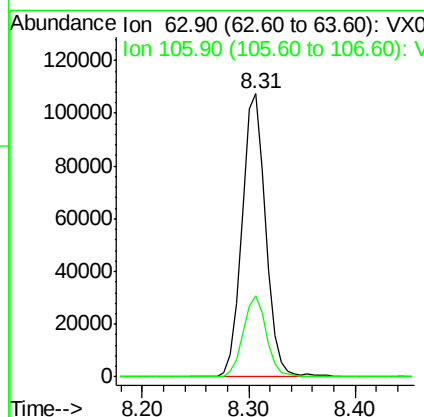
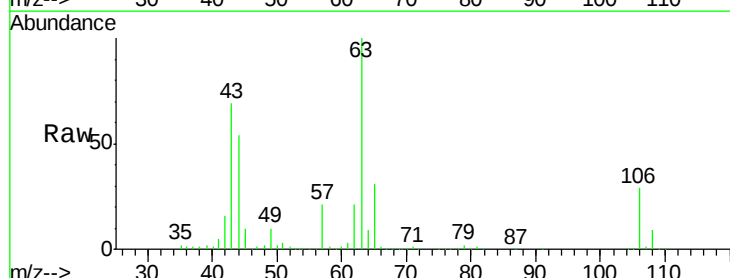
Manual Integrations
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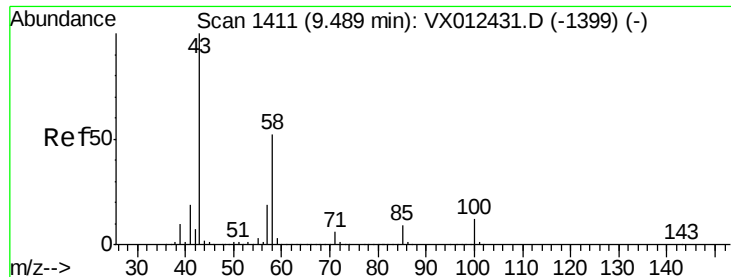
MMDadoda
 9/23/2019 11:29:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.433 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012548.D
 Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.8	35.6





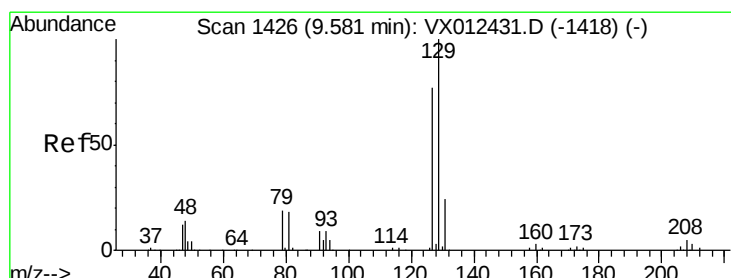
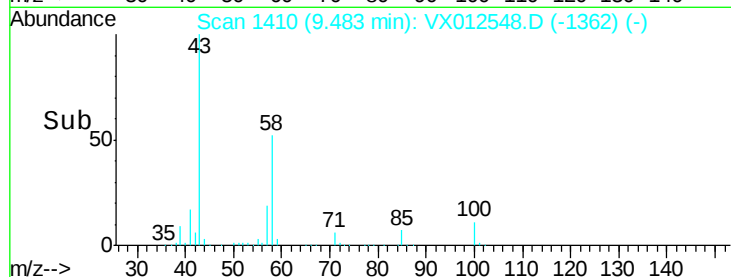
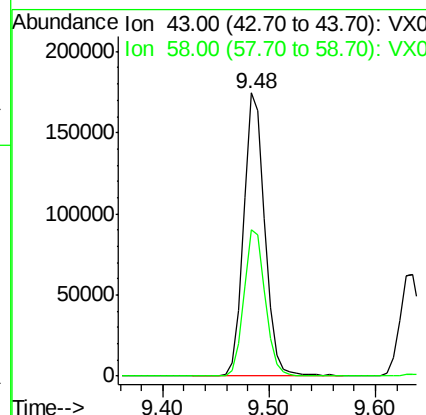
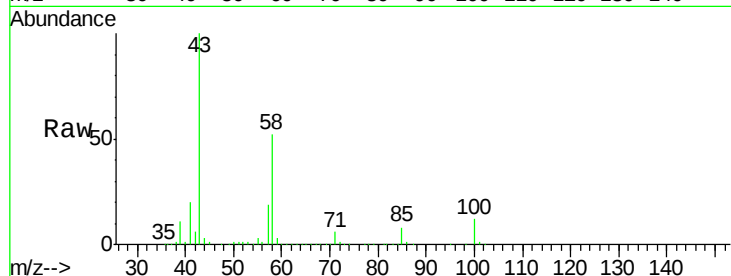
#59
2-Hexanone
Concen: 88.922 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS01

Tot Ion: 43 Resp: 242622
Ion Ratio Lower Upper
43 100
58 52.3 25.7 77.1

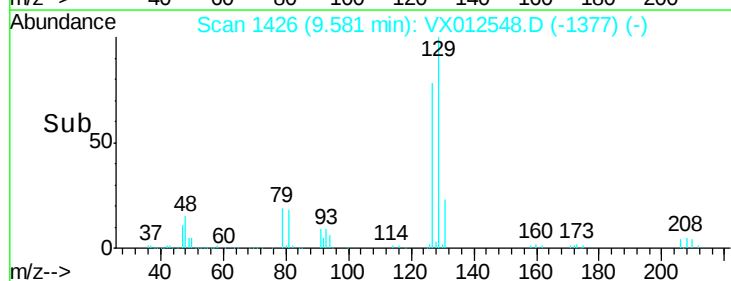
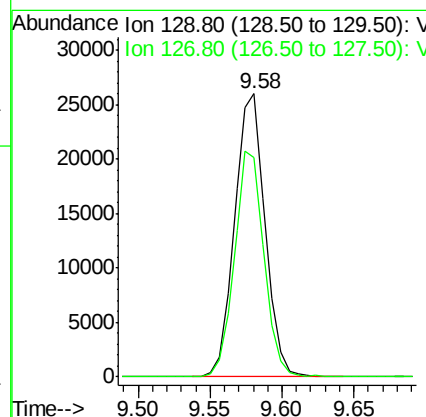
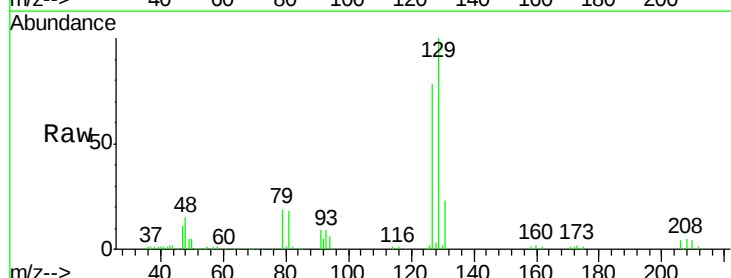
Manual Integrations
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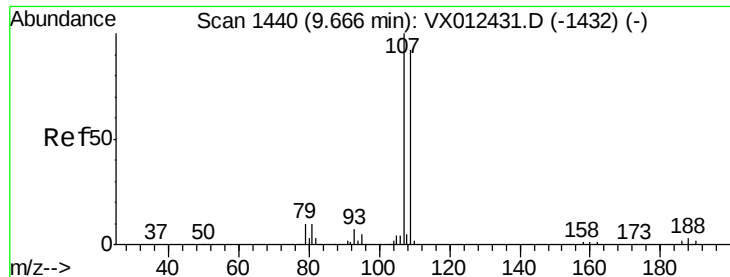
MMDadoda
9/23/2019 11:29:34 AM



#60
Dibromochloromethane
Concen: 18.456 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tgt Ion: 129 Resp: 38416
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6





#61

1,2-Dibromoethane

Concen: 19.302 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS01

Tot Ion: 107 Resp: 36023

Ion Ratio Lower Upper

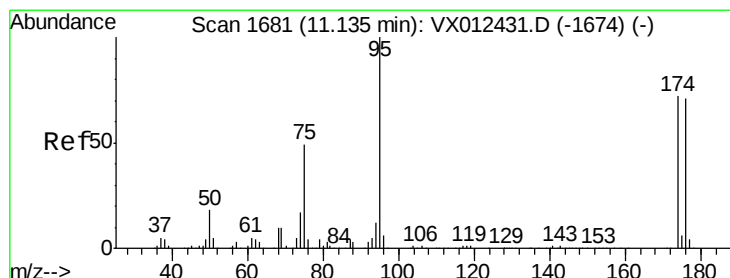
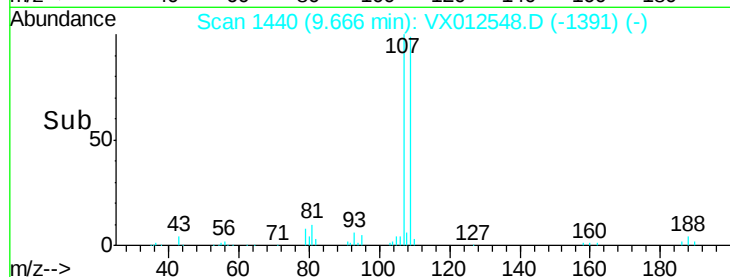
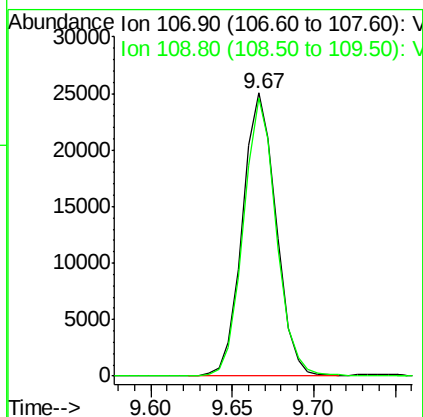
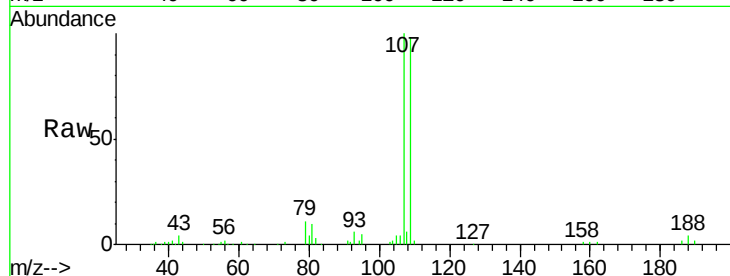
107 100

109 96.3 74.7 112.1

Manual Integrations
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9/23/2019 11:29:34 AM



#62

4-Bromofluorobenzene

Concen: 49.379 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

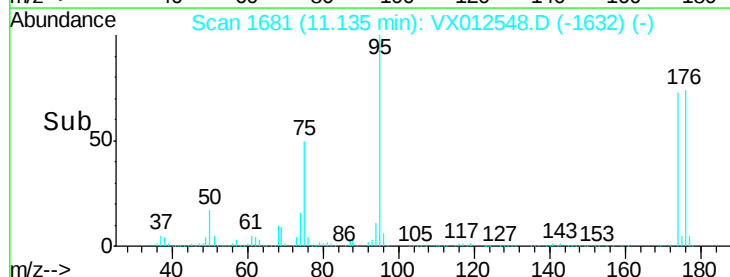
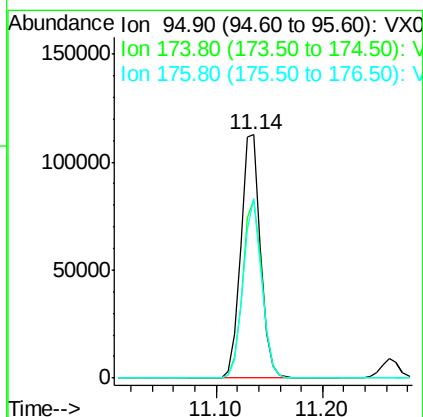
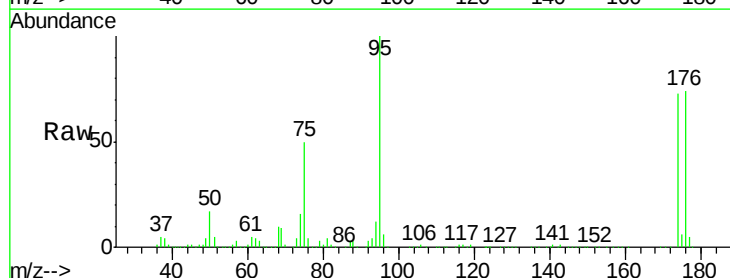
Tgt Ion: 95 Resp: 146297

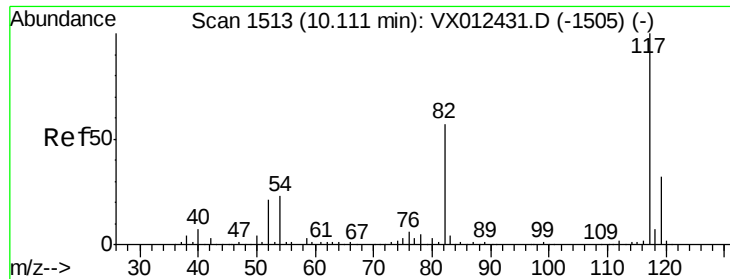
Ion Ratio Lower Upper

95 100

174 72.0 0.0 140.0

176 70.0 0.0 135.4





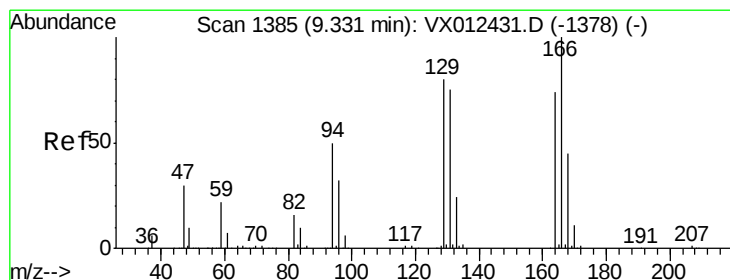
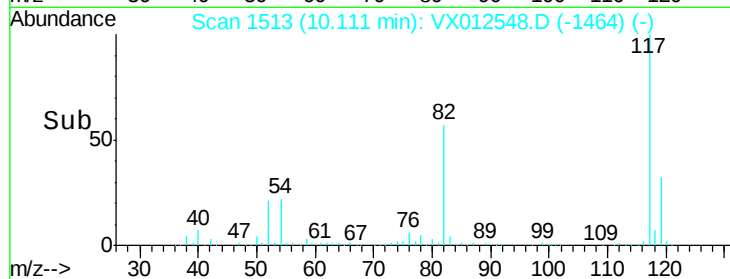
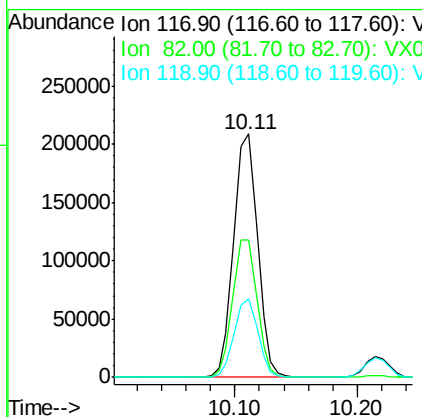
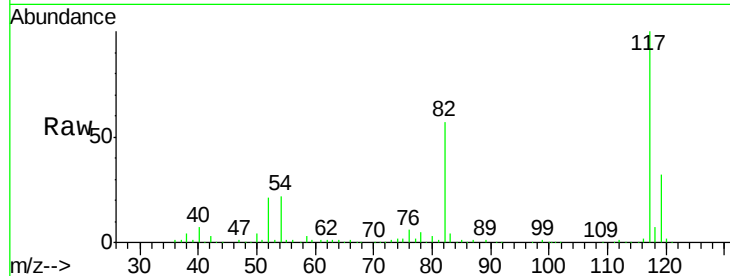
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.9	68.9
119	32.4	25.3	37.9

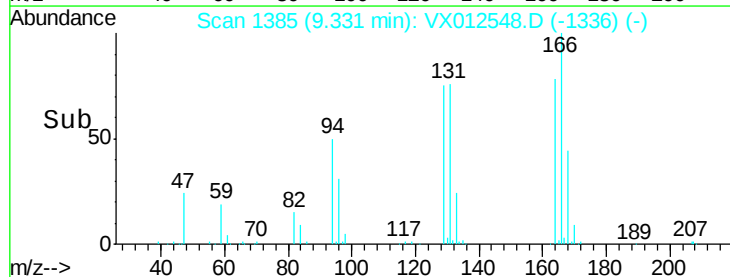
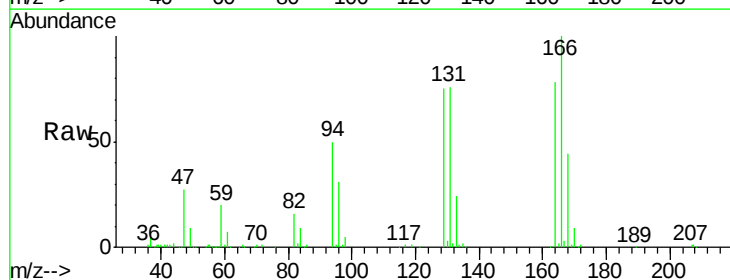
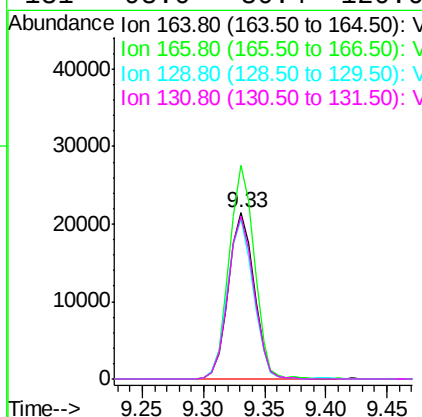
Manual Integrations
APPROVED

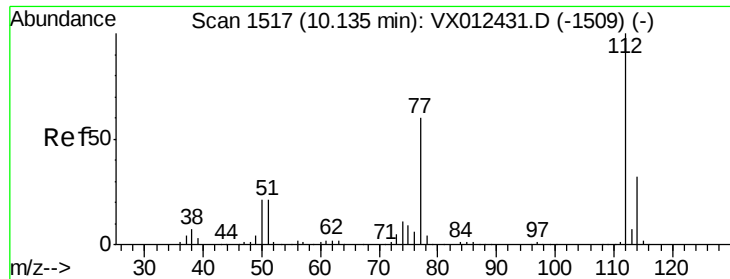
MMDadoda
9/23/2019 11:29:34 AM



#64
Tetrachloroethene
Concen: 23.994 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	107.8	161.6
129	96.3	86.2	129.2
131	98.0	80.4	120.6





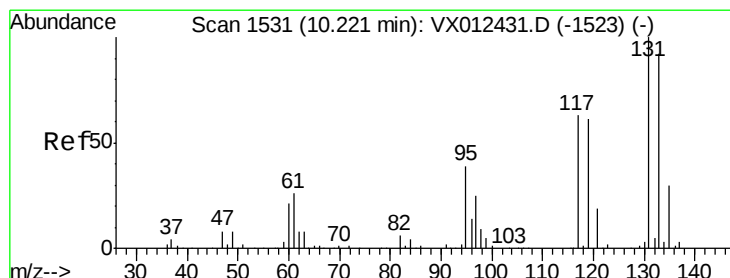
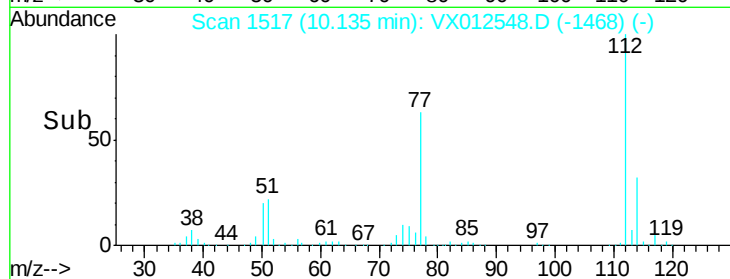
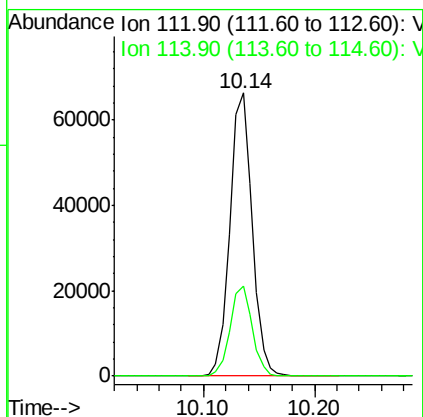
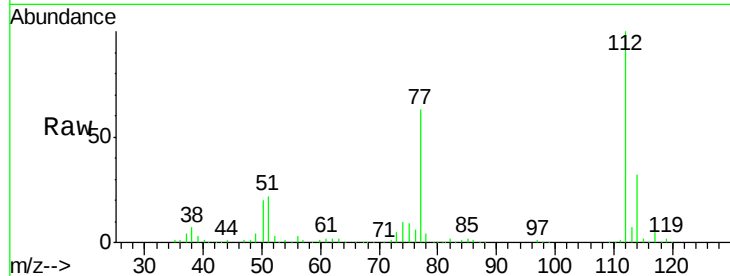
#65
Chlorobenzene
Concen: 19.640 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS01

Tot Ion:112 Resp: 91770
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0

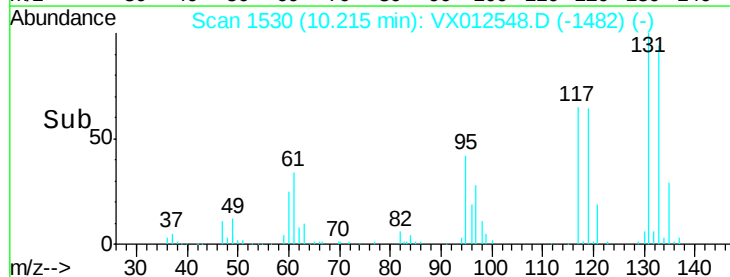
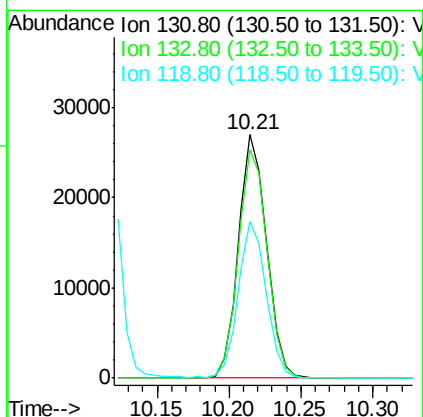
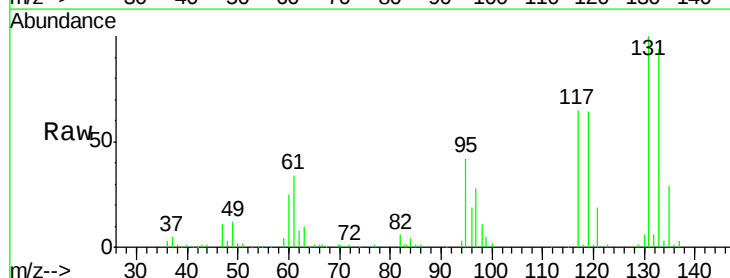
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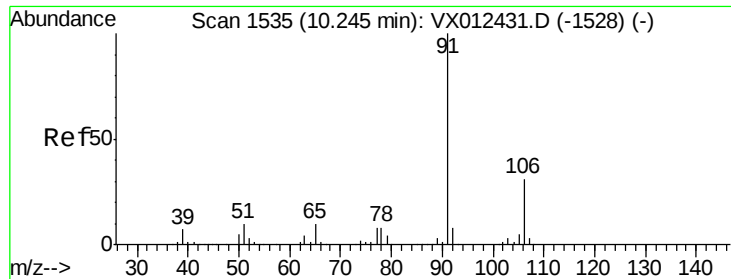
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.828 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tgt Ion:131 Resp: 36512
Ion Ratio Lower Upper
131 100
133 96.3 47.6 142.9
119 64.3 31.3 93.8





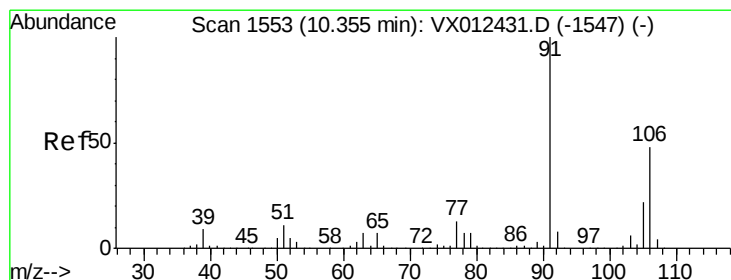
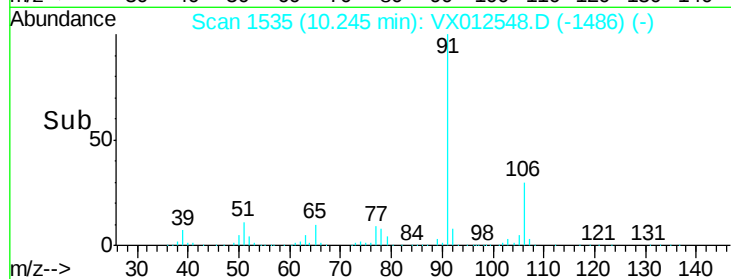
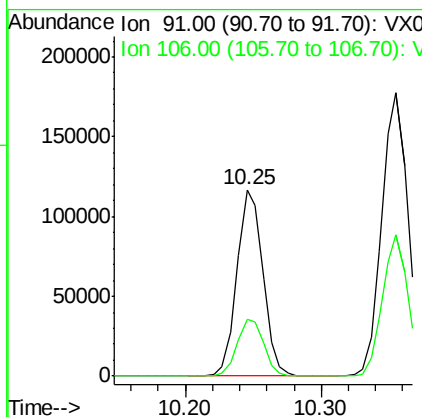
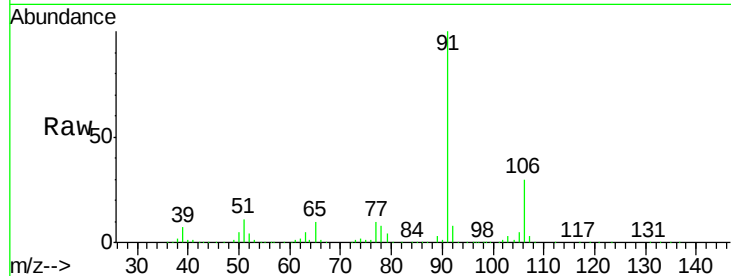
#67
Ethyl Benzene
Concen: 19.420 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS01

Tot Ion: 91 Resp: 155905
Ion Ratio Lower Upper
91 100
106 30.3 24.6 37.0

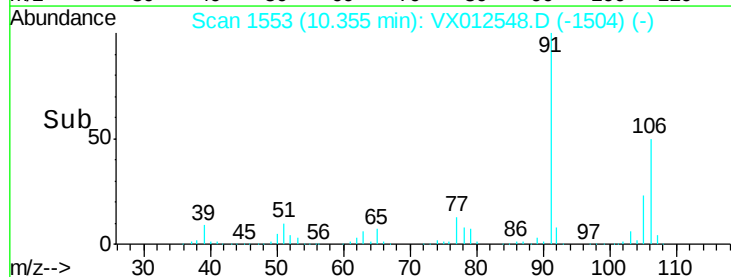
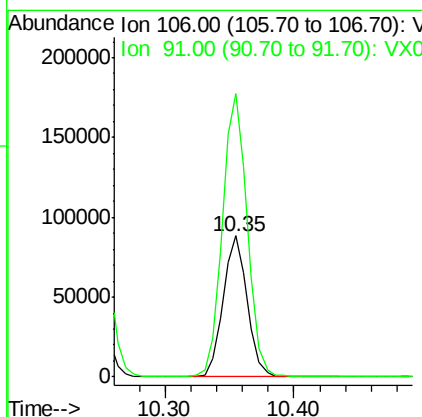
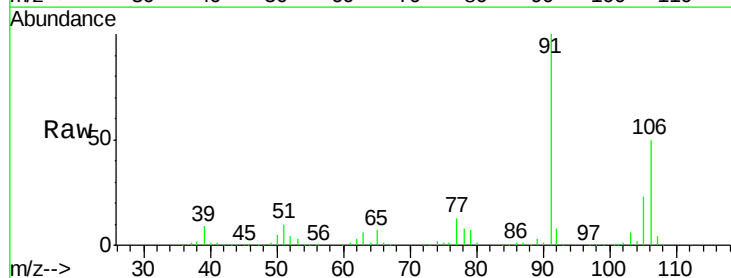
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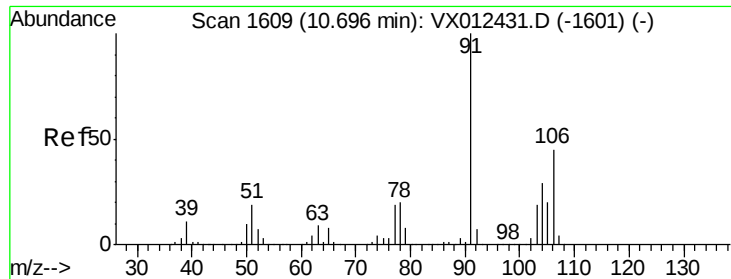
MMDadoda
9/23/2019 11:29:34 AM



#68
m/p-Xylenes
Concen: 39.852 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tgt Ion: 106 Resp: 116406
Ion Ratio Lower Upper
106 100
91 205.5 166.6 250.0





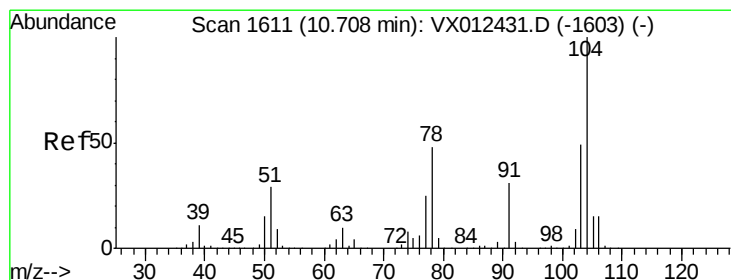
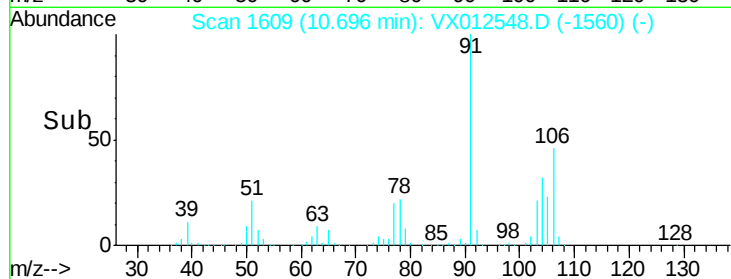
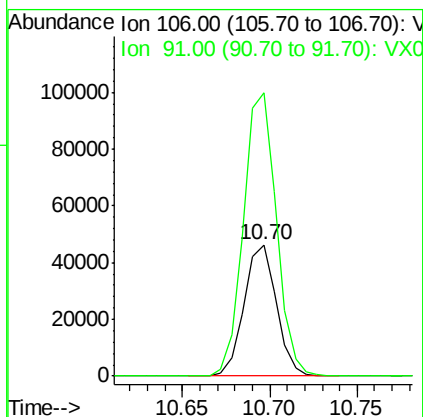
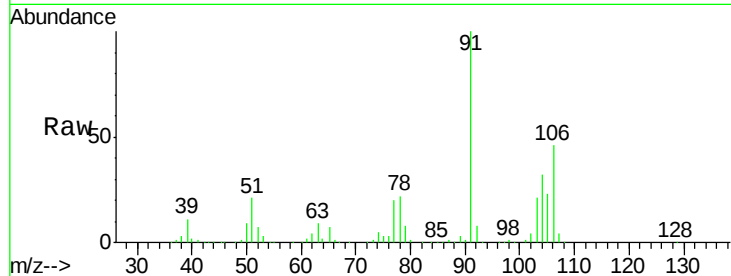
#69
o-Xylene
Concen: 19.842 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS01

Tot Ion:106 Resp: 59603
Ion Ratio Lower Upper
106 100
91 219.8 109.4 328.2

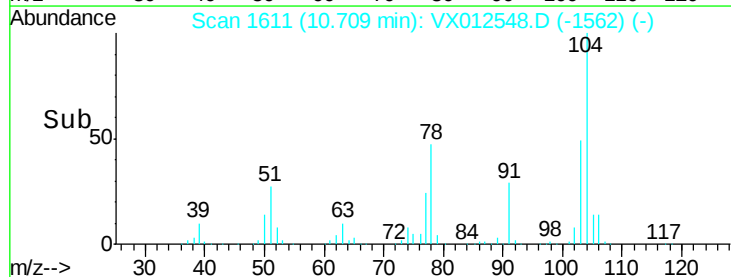
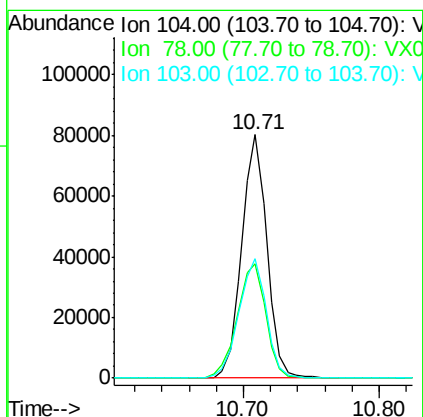
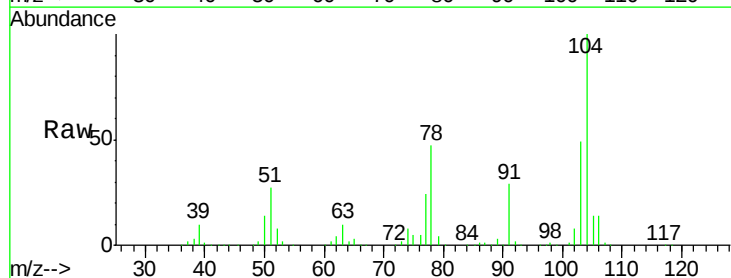
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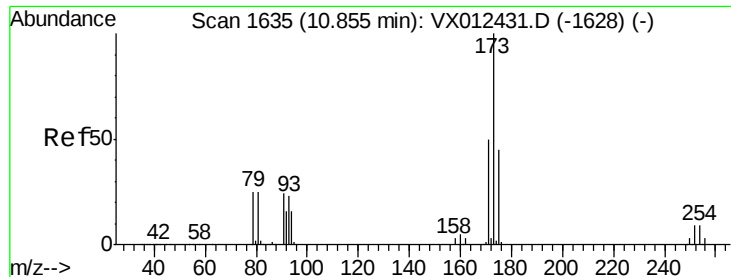
MMDadoda
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#70
Styrene
Concen: 19.512 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tgt Ion:104 Resp: 103704
Ion Ratio Lower Upper
104 100
78 53.6 43.4 65.2
103 53.5 43.3 64.9





#71

Bromoform

Concen: 17.457 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS01

Tot Ion:173 Resp: 25840

Ion Ratio Lower Upper

173 100

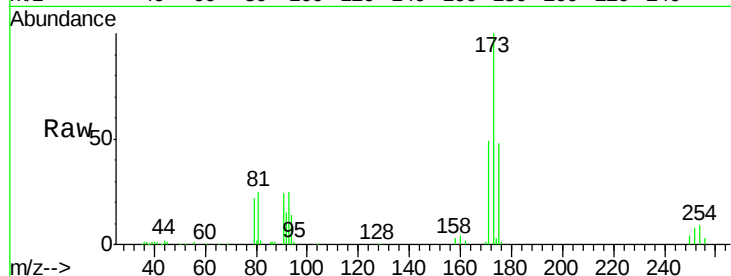
175 48.4 23.7 71.1

254 0.0 0.1 0.1#

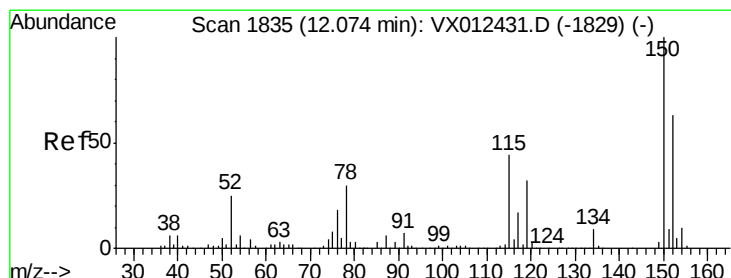
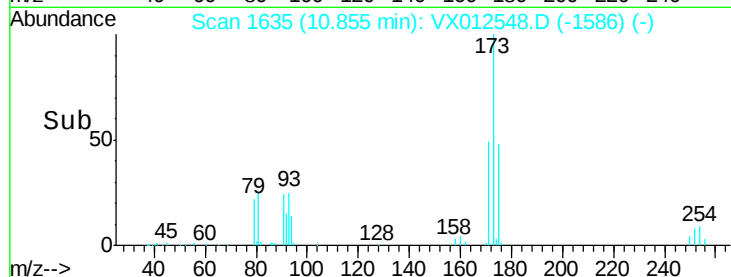
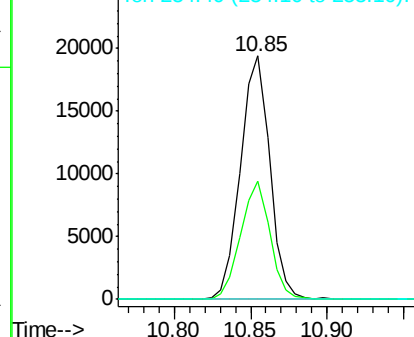
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

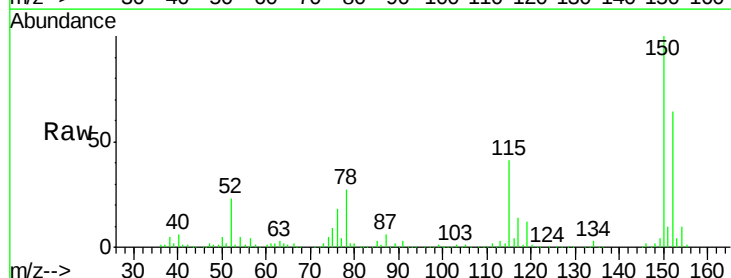
Tgt Ion:152 Resp: 134629

Ion Ratio Lower Upper

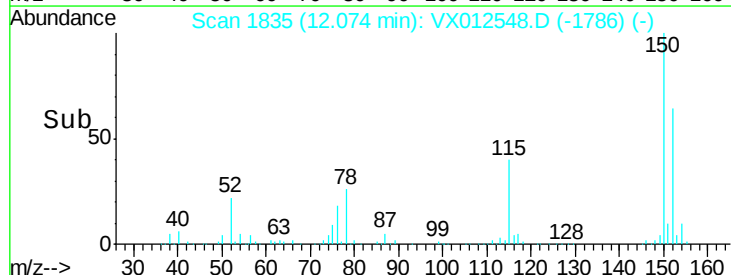
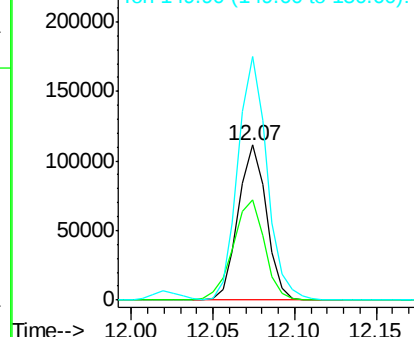
152 100

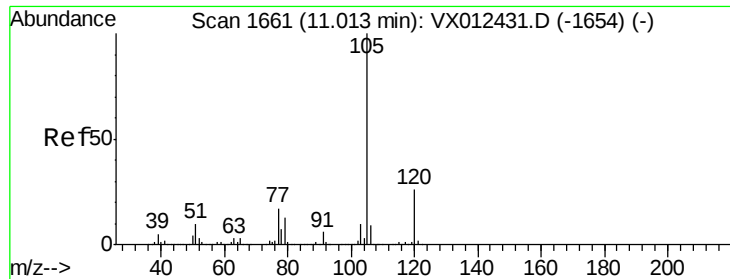
115 72.0 44.1 132.3

150 161.7 0.0 343.8



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





#73

Isopropylbenzene

Concen: 19.654 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampled :

VX0920WBS01

Tot Ion: 105 Resp: 166019

Ion Ratio Lower Upper

105 100

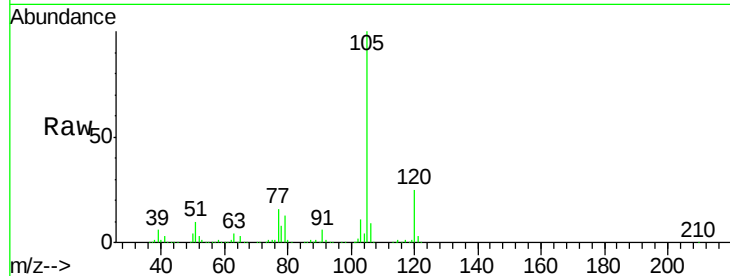
120 26.3 12.9 38.7

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

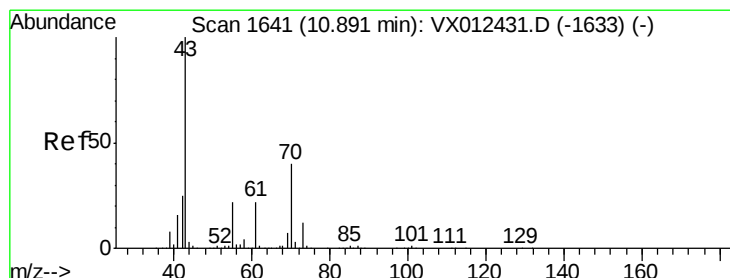
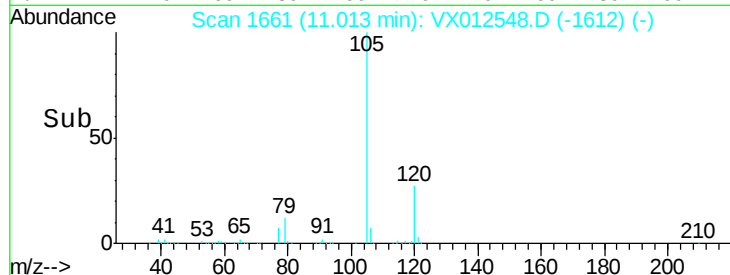
1101

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.324 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Tgt Ion: 43 Resp: 83335

Ion Ratio Lower Upper

43 100

70 40.4 32.4 48.6

55 23.7 18.2 27.4

61 23.0 18.5 27.7

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

100000

80000

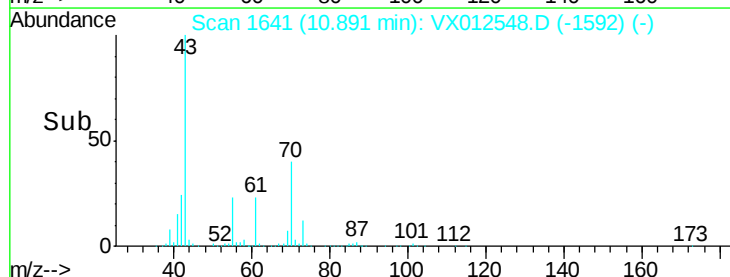
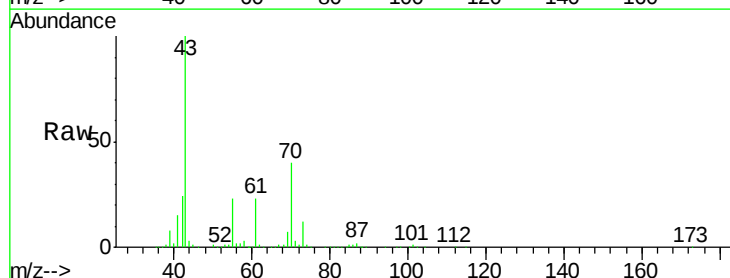
60000

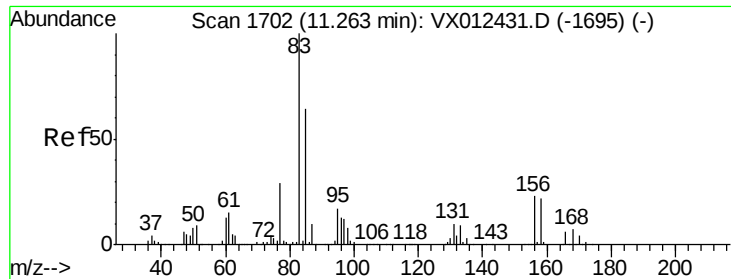
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.731 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_X

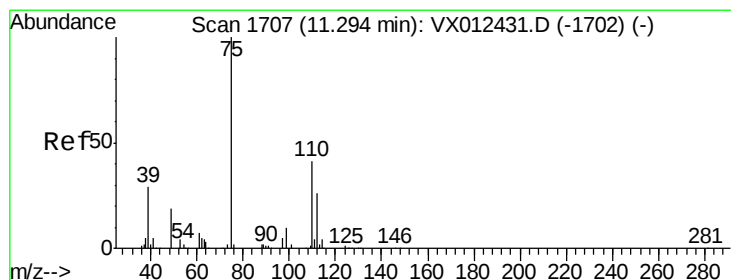
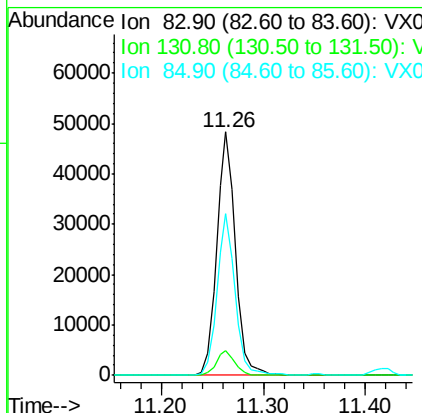
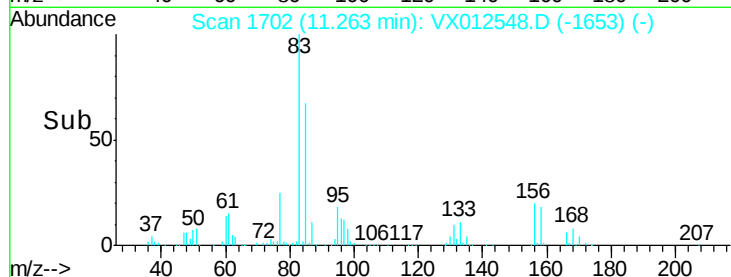
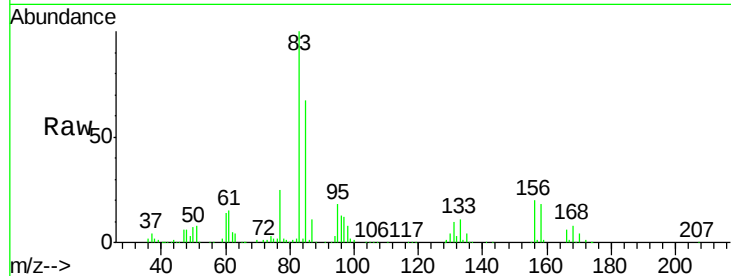
ClientSampleId :

VX0920WBS01

Tot Ion:	83	Resp:	62068
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.2	15.6
85	64.4	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.229 ug/l m

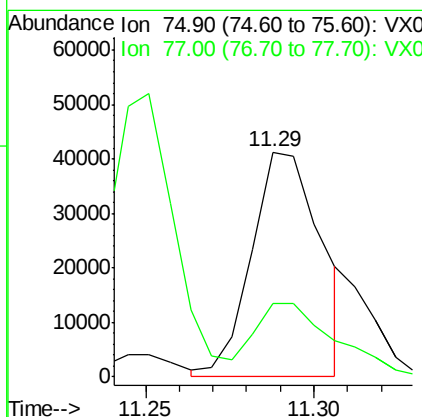
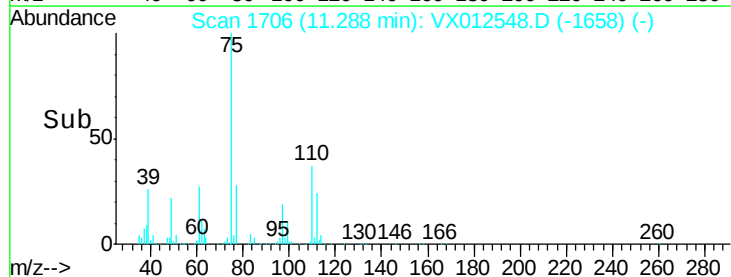
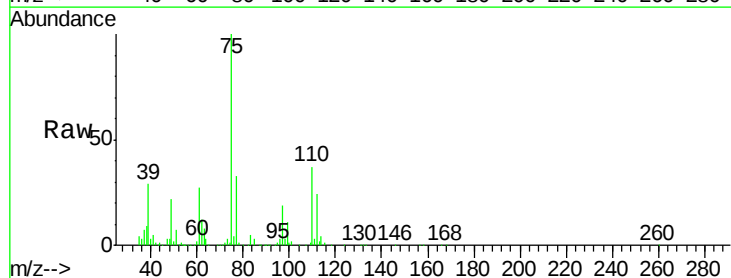
RT: 11.29 min Scan# 1706

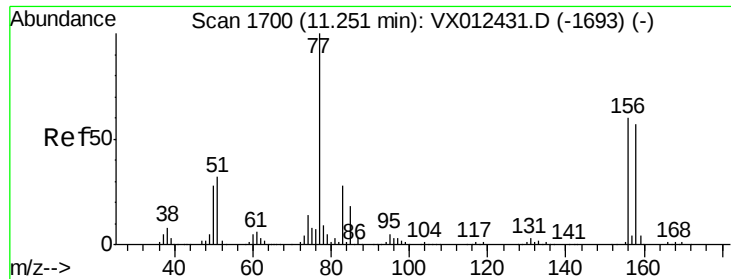
Delta R.T. -0.01 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Tgt Ion:	75	Resp:	59466
Ion Ratio	Lower	Upper	
75	100		
77	37.8	19.7	59.0





#77

Bromobenzene

Concen: 19.377 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_X

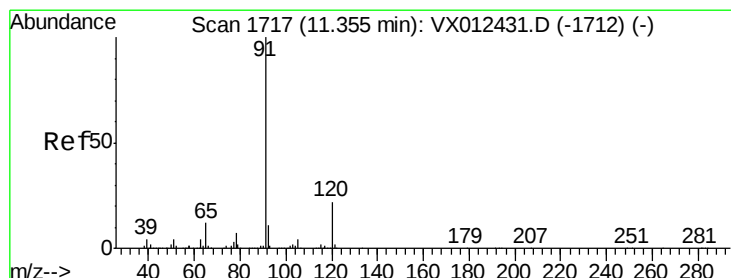
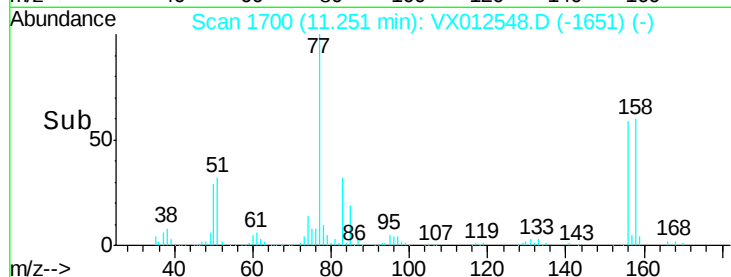
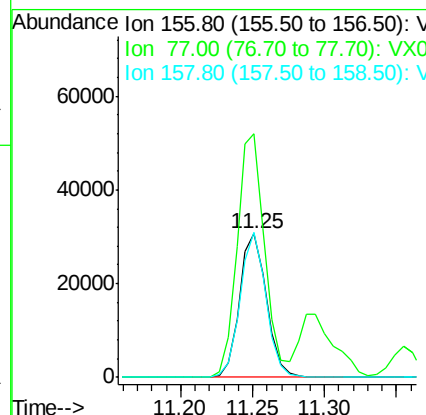
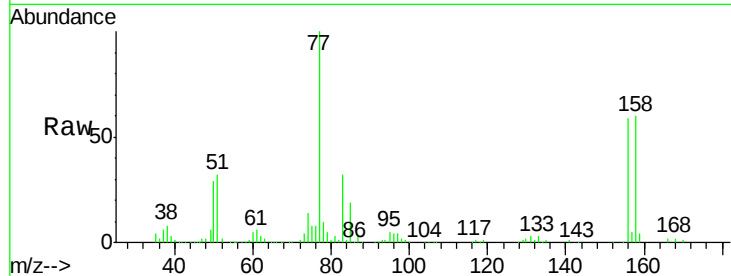
ClientSampleId :

VX0920WBS01

Tot Ion:	156	Resp:	39918
Ion Ratio	Lower	Upper	
156	100		
77	174.8	87.3	261.8
158	97.5	48.5	145.6

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#78

n-propylbenzene

Concen: 19.227 ug/l

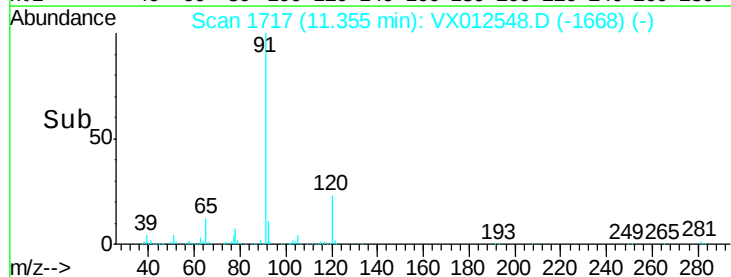
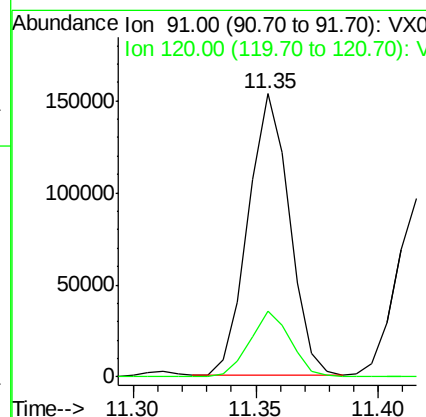
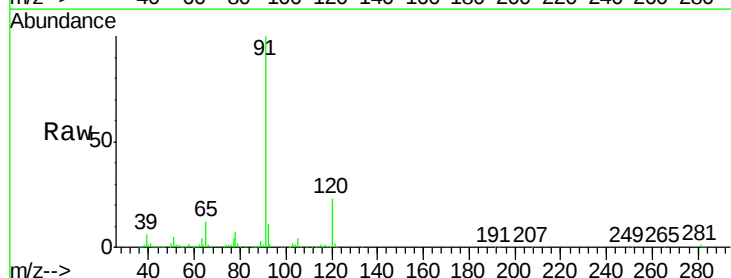
RT: 11.35 min Scan# 1717

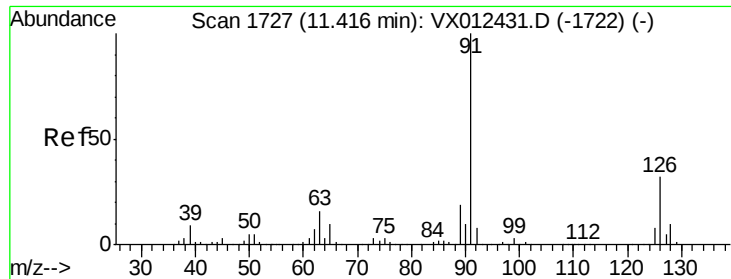
Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Tgt Ion:	91	Resp:	181021
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.3	33.8





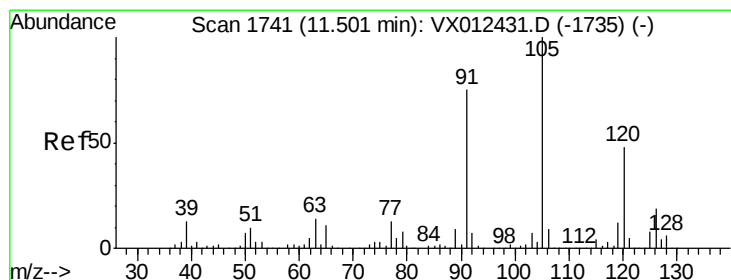
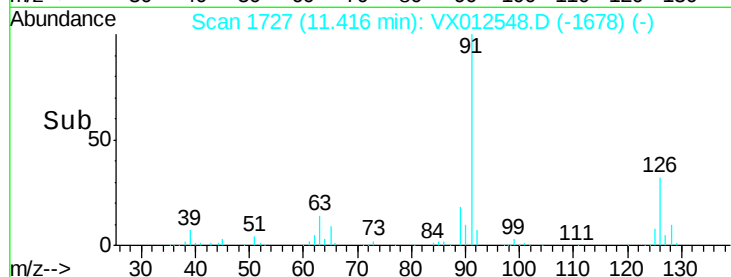
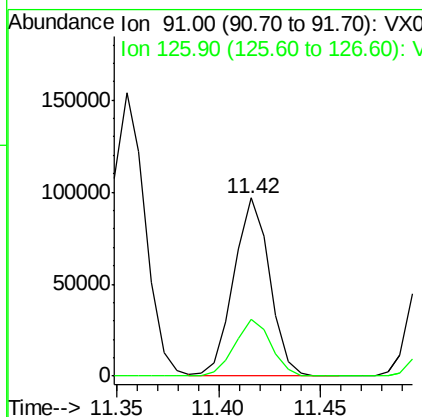
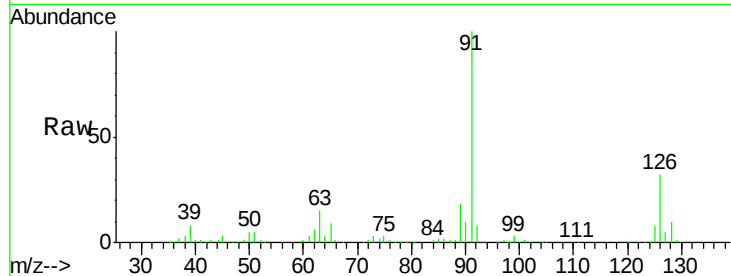
#79
 2-Chlorotoluene
 Concen: 19.174 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012548.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBS01

Tot Ion: 91 Resp: 117437
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.4 49.4

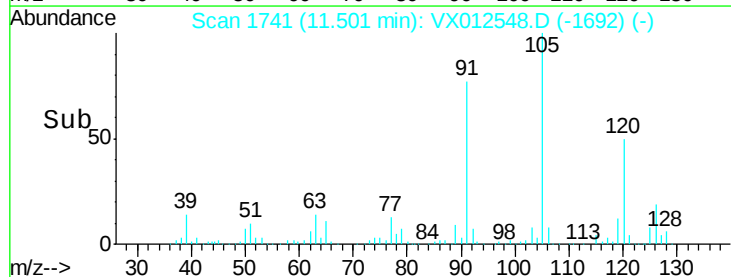
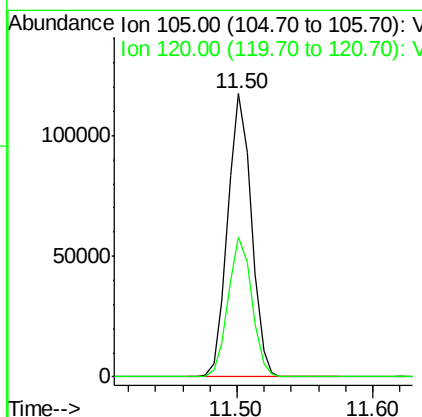
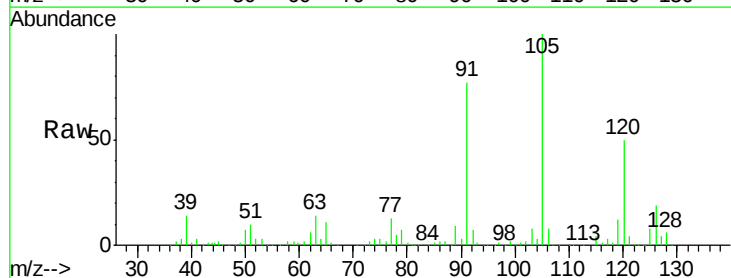
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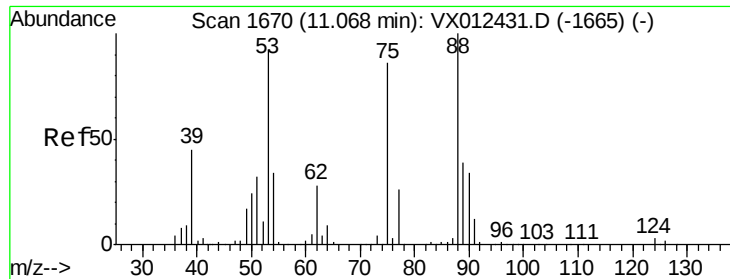
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.685 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012548.D
 Acq: 20 Sep 2019 11:42

Tgt Ion: 105 Resp: 141812
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.324 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBS01

Tot Ion: 75 Resp: 17086

Ion Ratio Lower Upper

75 100

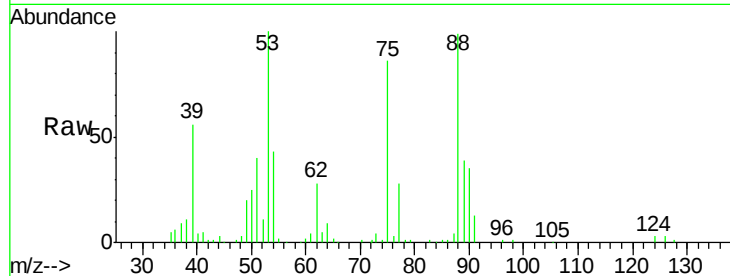
53 115.8 83.6 125.4

89 47.5 36.3 54.5

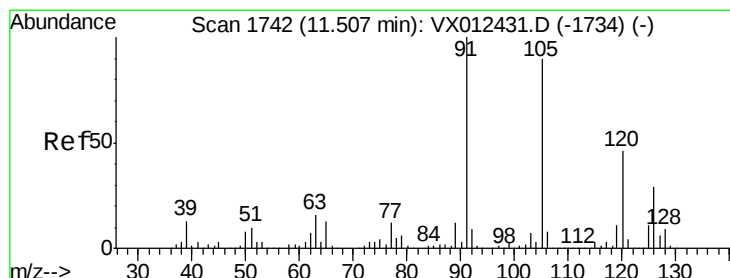
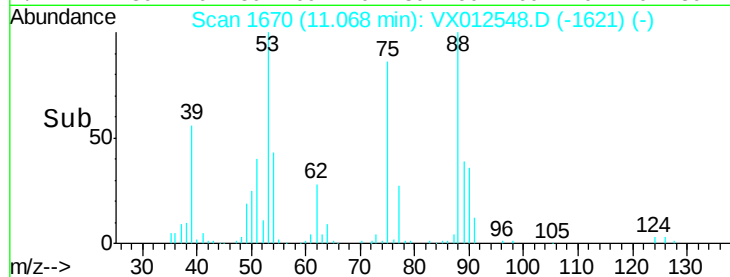
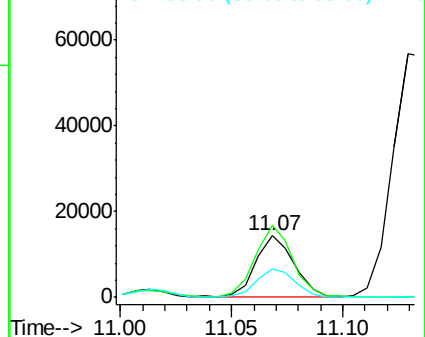
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.288 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012548.D

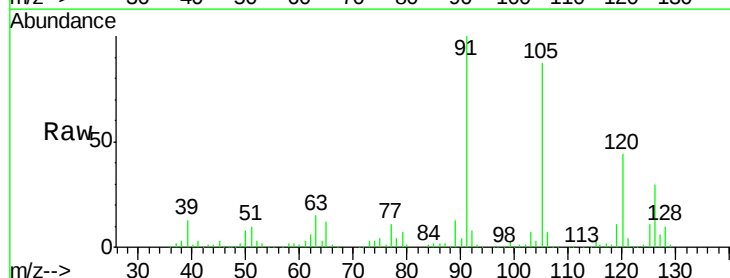
Acq: 20 Sep 2019 11:42

Tgt Ion: 91 Resp: 135583

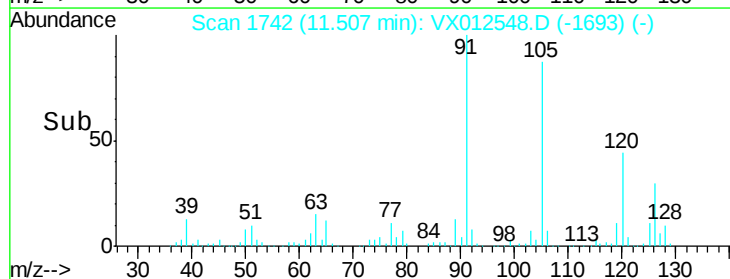
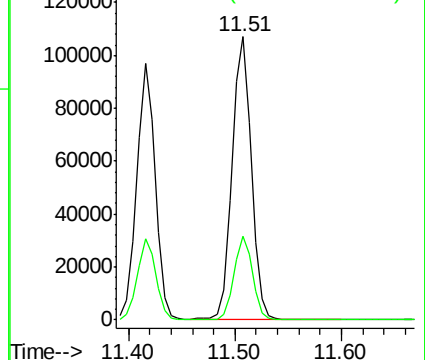
Ion Ratio Lower Upper

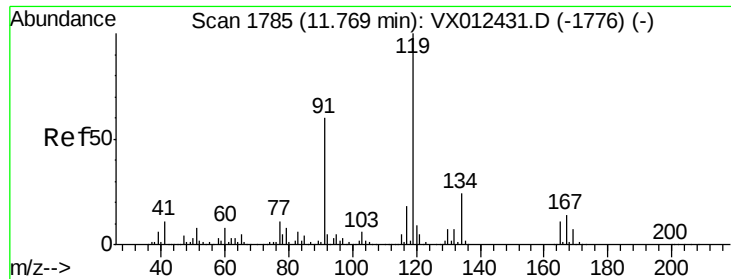
91 100

126 28.8 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





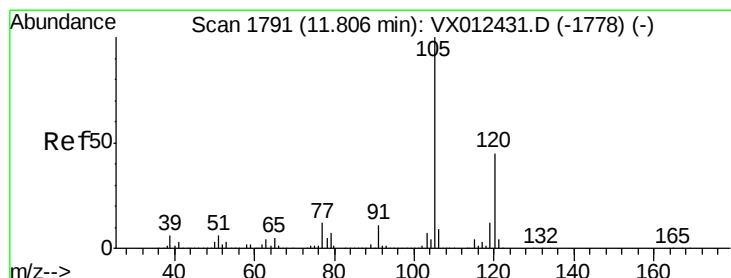
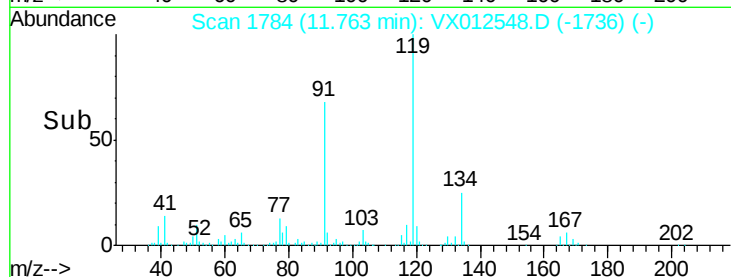
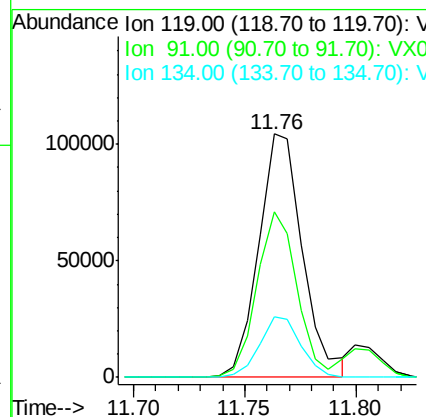
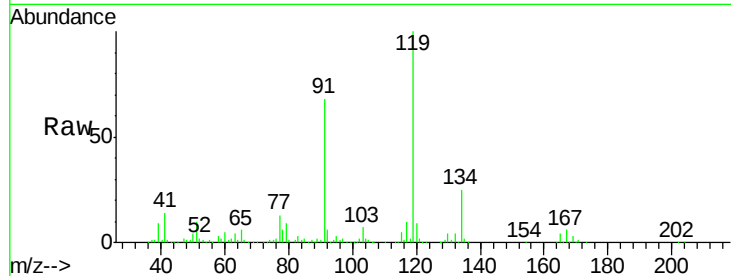
#83
tert-Butylbenzene
Concen: 18.567 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	143329		
91	62.2	30.0	90.0	
134	23.6	11.3	33.9	

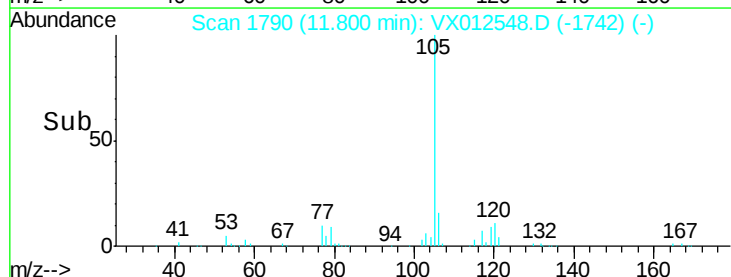
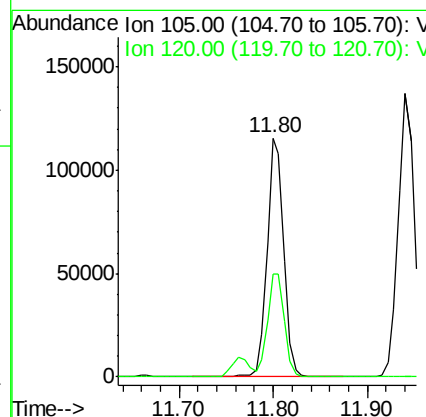
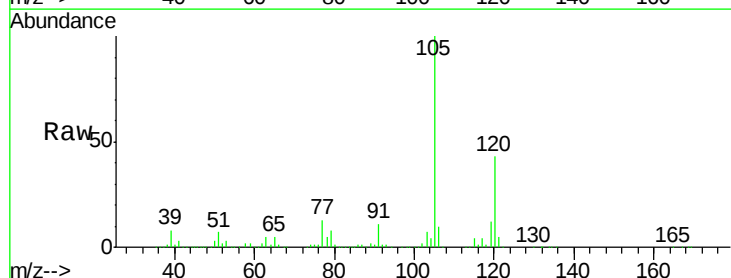
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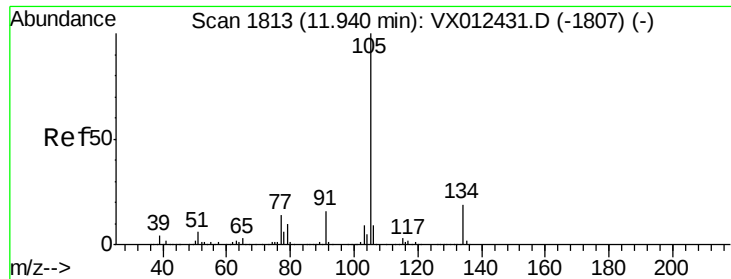
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#84
1,2,4-Trimethylbenzene
Concen: 19.485 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	144132		
120	43.6	22.2	66.6	





#85

sec-Butylbenzene

Concen: 19.465 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_X

ClientSampled :

VX0920WBS01

Tot Ion:105 Resp: 165574

Ion Ratio Lower Upper

105 100

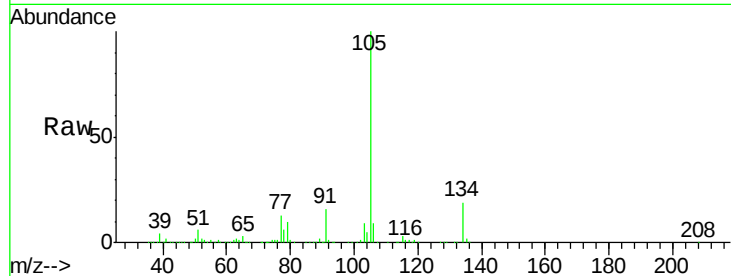
134 19.1 9.8 29.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

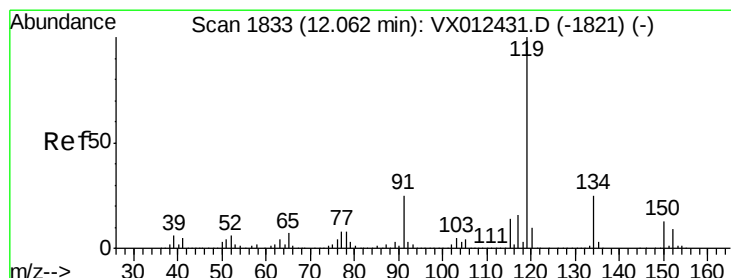
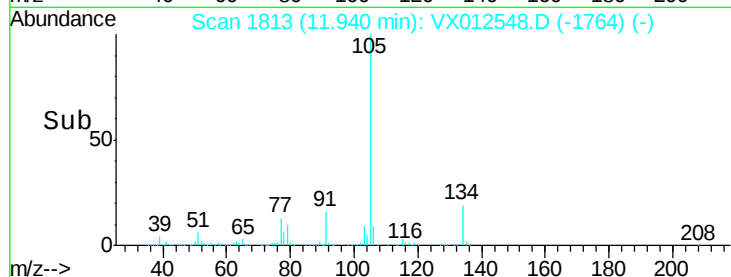
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.230 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

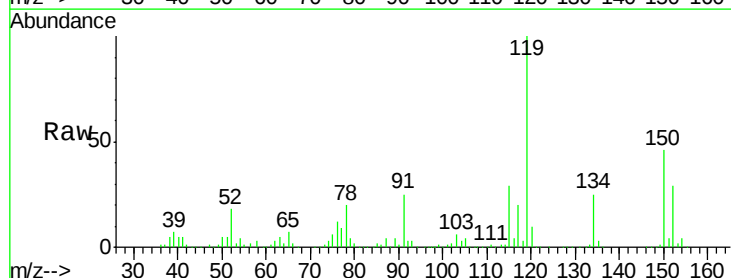
Tgt Ion:119 Resp: 150204

Ion Ratio Lower Upper

119 100

134 25.0 12.7 38.1

91 26.2 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

12.06

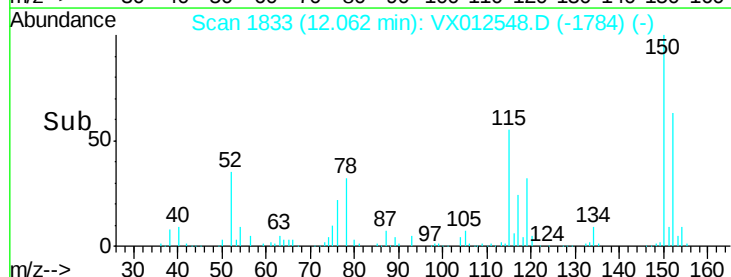
150000

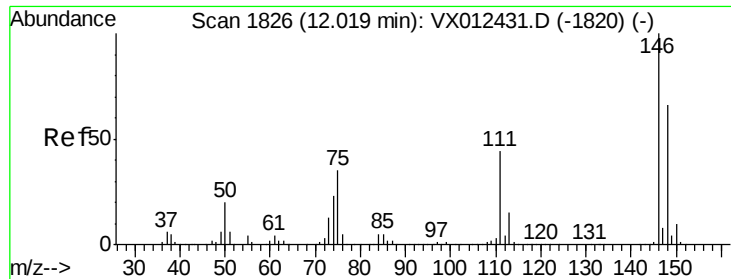
100000

50000

0

Time-->





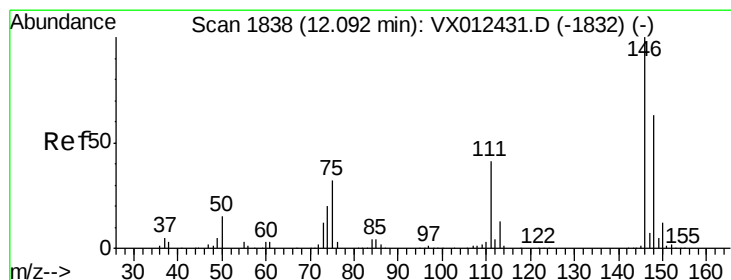
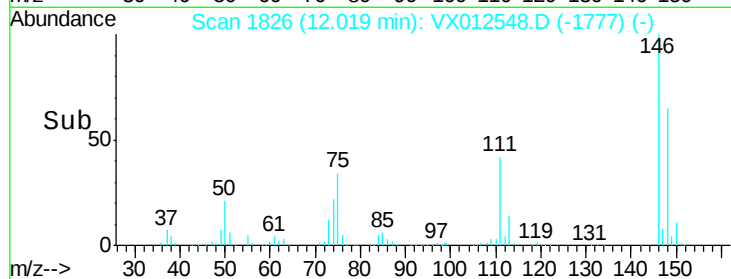
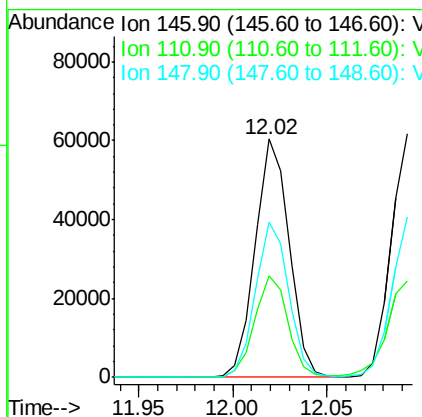
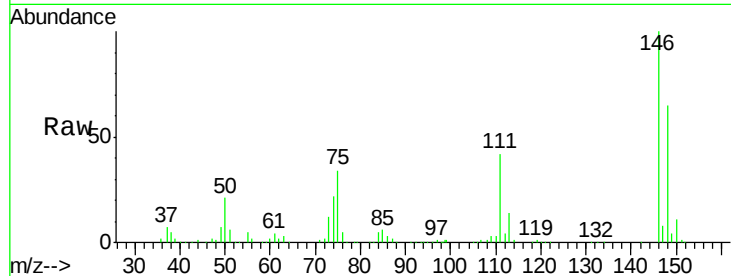
#87
 1,3-Dichlorobenzene
 Concen: 19.531 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012548.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	64.0
148	63.8	32.4	97.2

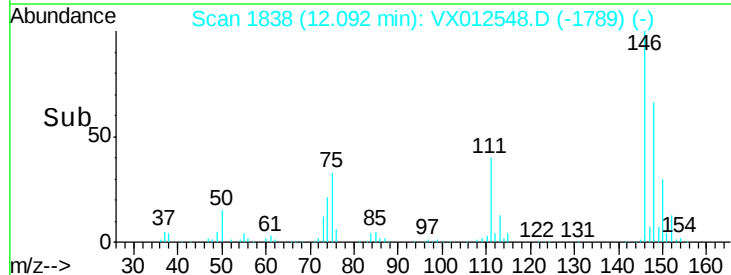
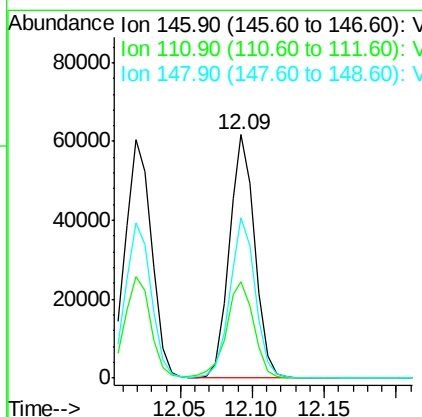
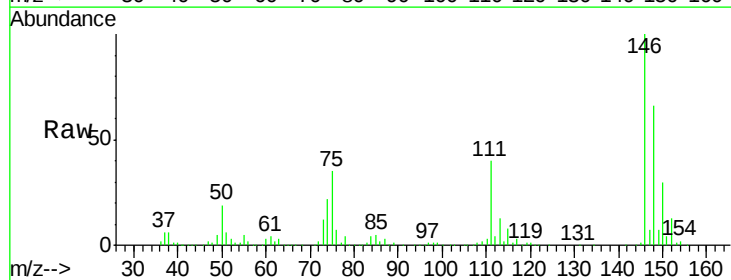
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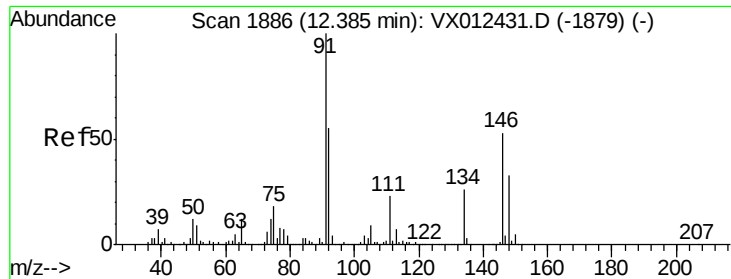
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#88
 1,4-Dichlorobenzene
 Concen: 19.229 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012548.D
 Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.1	63.3
148	65.8	32.1	96.5





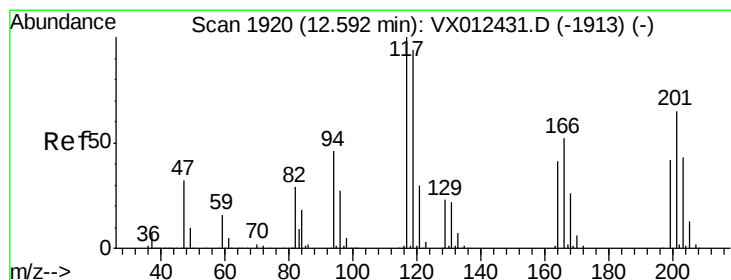
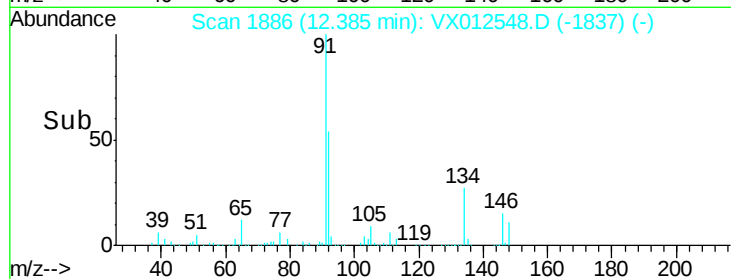
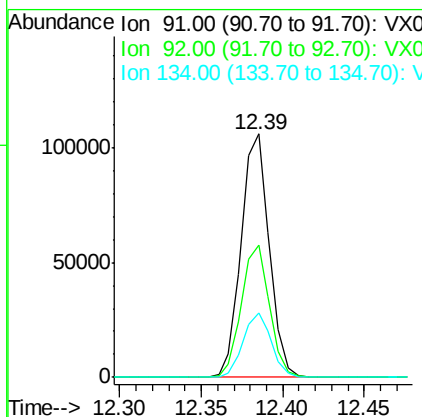
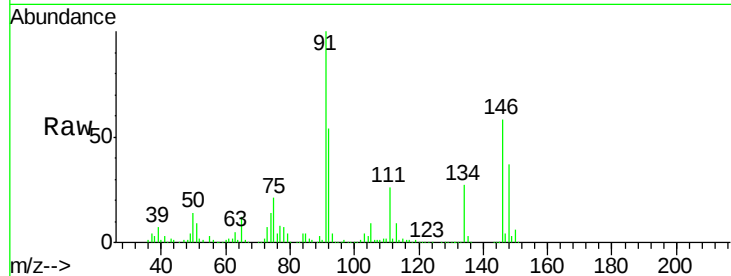
#89
n-Butylbenzene
Concen: 18.310 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	127604		
92	54.6		27.7	83.0
134	26.6		12.9	38.6

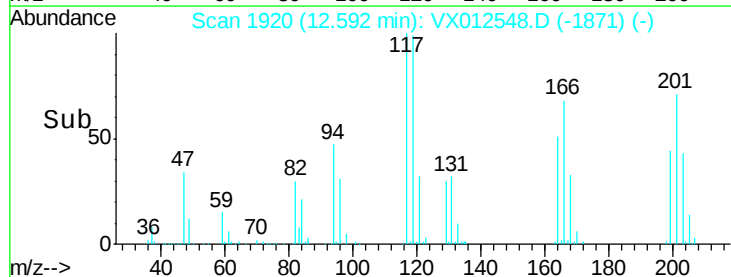
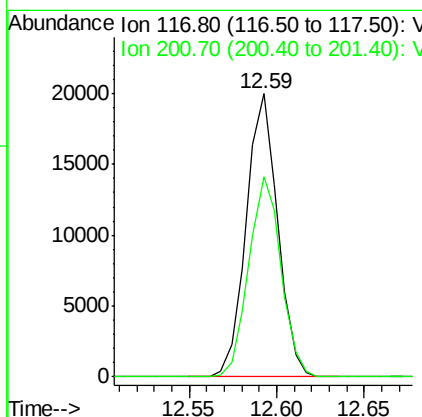
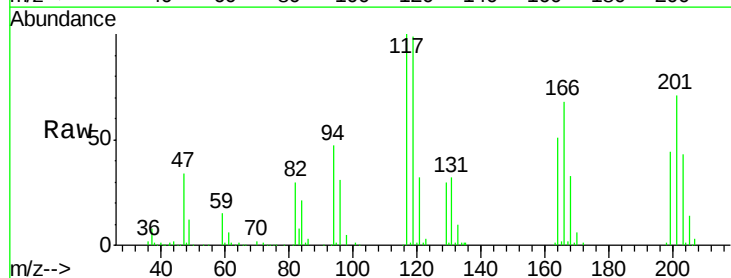
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#90
Hexachloroethane
Concen: 17.454 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012548.D
Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	24997		
201	72.4		33.3	99.8





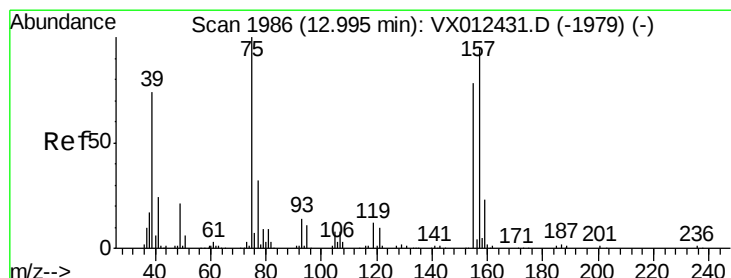
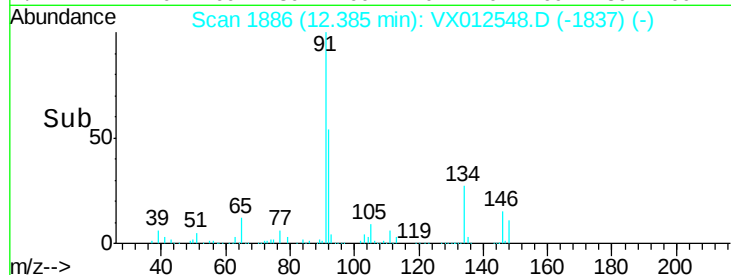
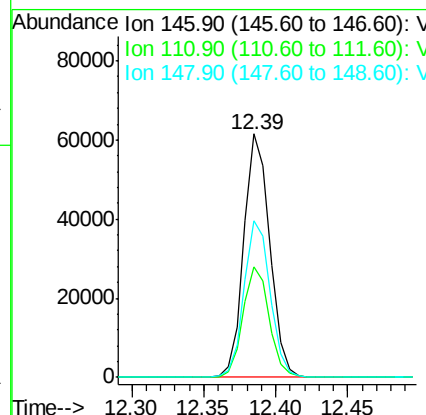
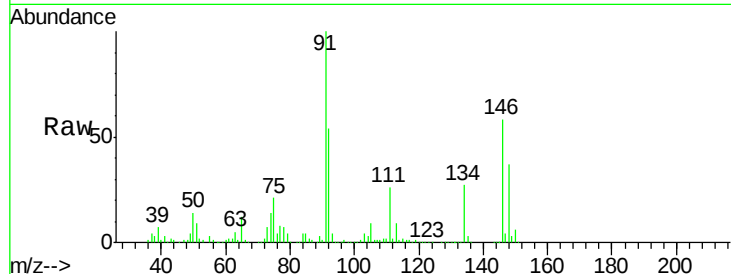
#91
 1,2-Dichlorobenzene
 Concen: 19.052 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012548.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	77166		
111	45.6	22.1	66.1	
148	64.6	31.3	93.9	

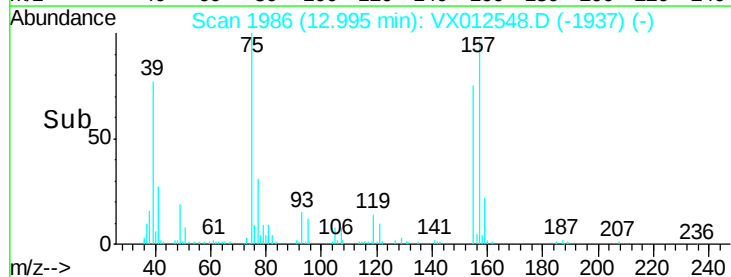
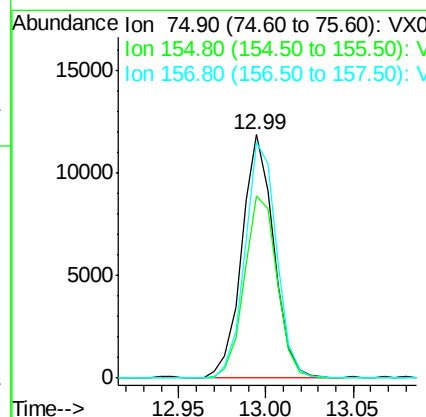
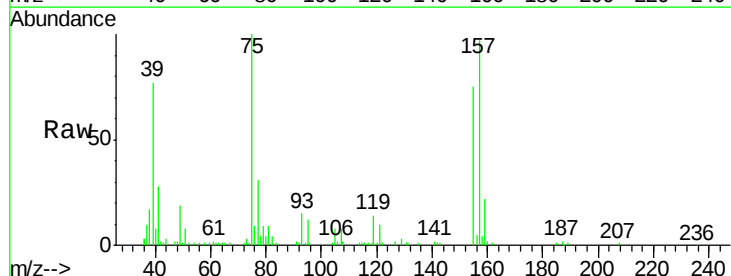
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.532 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012548.D
 Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15061		
155	76.8	38.6	115.8	
157	95.5	50.6	151.9	





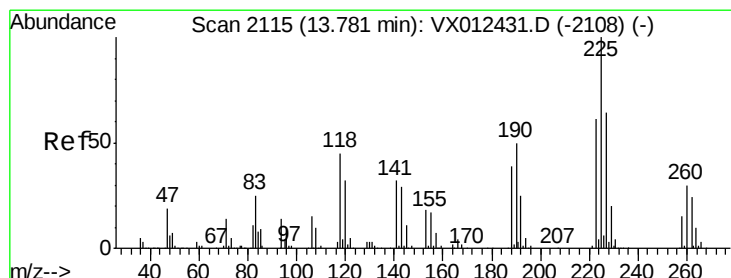
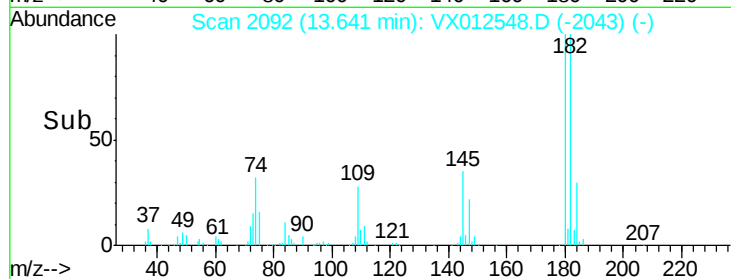
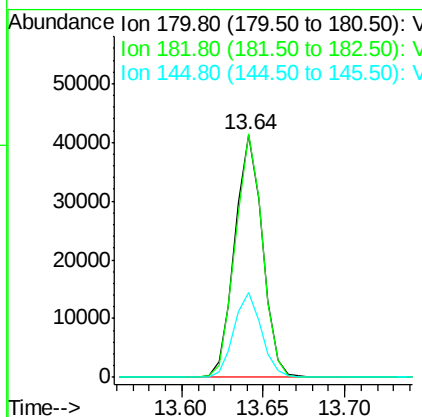
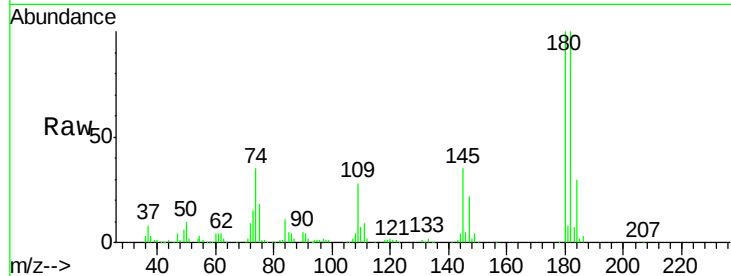
#93
 1,2,4-Trichlorobenzene
 Concen: 18.752 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012548.D
 Acq: 20 Sep 2019 11:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	48921		
182	97.6	47.0	141.0	
145	34.6	16.8	50.4	

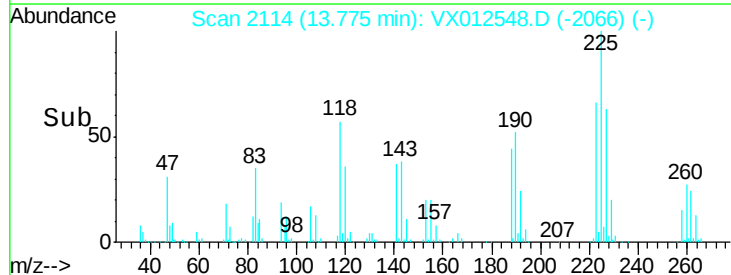
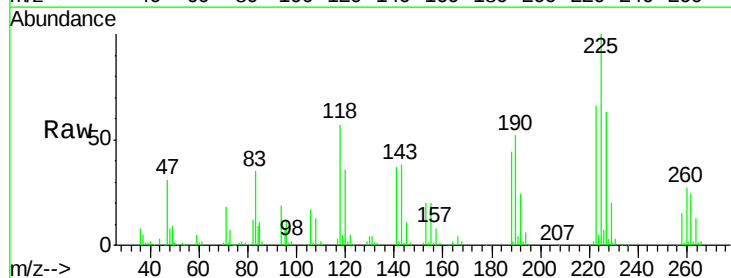
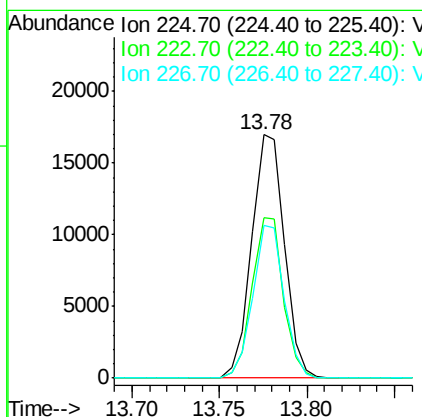
Manual Integrations
 APPROVED

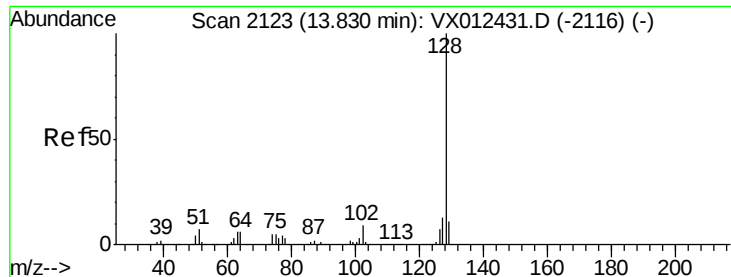
MMDadoda
 9/23/2019 11:29:34 AM



#94
 Hexachlorobutadiene
 Concen: 17.934 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012548.D
 Acq: 20 Sep 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22052		
223	62.8	32.0	96.2	
227	60.2	31.9	95.5	





#95

Naphthalene

Concen: 19.107 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Instrument :

MSVOA_X

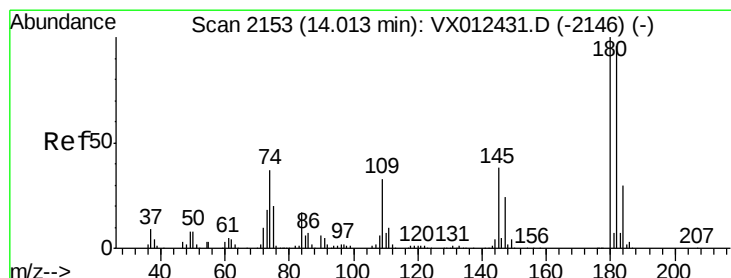
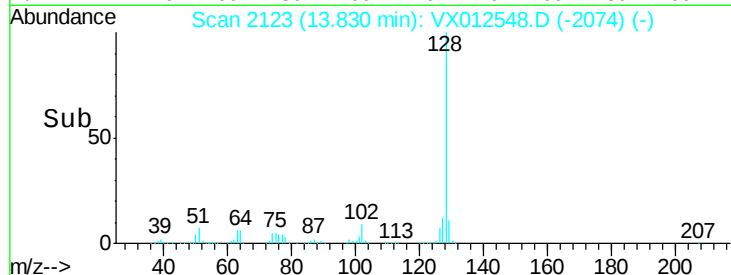
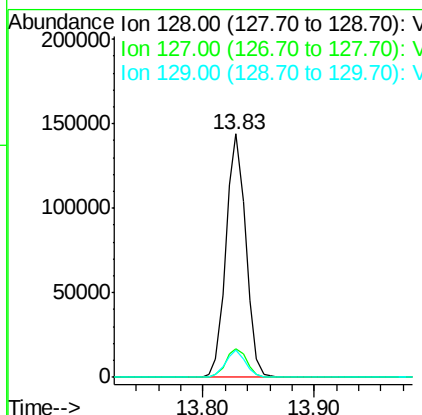
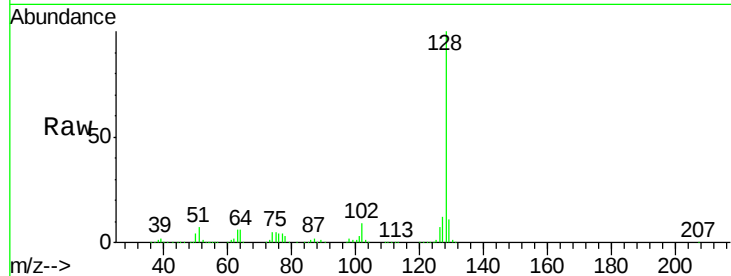
ClientSampleId :

VX0920WBS01

Tot Ion:	128	Resp:	177367
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/23/2019 11:29:34 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.223 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012548.D

Acq: 20 Sep 2019 11:42

Tgt Ion:	180	Resp:	51105
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.1	141.3
145	35.0	18.0	54.0

