

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080519\
 Data File : VX011322.D
 Acq On : 05 Aug 2019 11:37
 Operator : JC/SP
 Sample : VX0805WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 4:48:38 PM

Quant Time: Aug 06 03:17:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	162204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	231116	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	214474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	114068	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	84548	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
35) Dibromofluoromethane	5.49	113	78306	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
50) Toluene-d8	8.71	98	293658	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
62) 4-Bromofluorobenzene	11.13	95	103868	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	23328	18.621	ug/l	97
3) Chloromethane	1.32	50	26212	18.632	ug/l	100
4) Vinyl Chloride	1.40	62	29285	18.924	ug/l	98
5) Bromomethane	1.63	94	21695	19.657	ug/l	94
6) Chloroethane	1.71	64	20766	20.110	ug/l	98
7) Trichlorofluoromethane	1.92	101	52890	19.222	ug/l	96
8) Diethyl Ether	2.18	74	17875	18.193	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	28942	19.440	ug/l	97
10) Methyl Iodide	2.50	142	26604	14.174	ug/l	99
11) Tert butyl alcohol	3.03	59	31952	98.108	ug/l	99
12) 1,1-Dichloroethene	2.37	96	28119	19.053	ug/l	97
13) Acrolein	2.28	56	16312	80.295	ug/l	97
14) Allyl chloride	2.72	41	38997	19.821	ug/l	98
15) Acrylonitrile	3.13	53	75025	96.520	ug/l	100
16) Acetone	2.43	43	71815	92.366	ug/l	98
17) Carbon Disulfide	2.56	76	65807	19.002	ug/l	100
18) Methyl Acetate	2.76	43	33555	18.885	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	84145	19.348	ug/l	100
20) Methylene Chloride	2.85	84	30751	18.059	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	29788	19.081	ug/l	99
22) Diisopropyl ether	3.84	45	83054	19.207	ug/l	92
23) Vinyl Acetate	3.81	43	360551	100.532	ug/l	99
24) 1,1-Dichloroethane	3.68	63	49583	19.446	ug/l	98
25) 2-Butanone	4.66	43	104198	94.211	ug/l	98
26) 2,2-Dichloropropane	4.57	77	39389	19.873	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	34083	18.954	ug/l	99
28) Bromochloromethane	5.01	49	21861	18.807	ug/l	97
29) Tetrahydrofuran	5.12	42	64180	94.641	ug/l	99
30) Chloroform	5.20	83	53749	19.395	ug/l	99
31) Cyclohexane	5.57	56	39643	18.845	ug/l	94
32) 1,1,1-Trichloroethane	5.48	97	46455	19.569	ug/l	99
36) 1,1-Dichloropropene	5.79	75	38531	19.095	ug/l	100
37) Ethyl Acetate	4.82	43	39148	19.341	ug/l	98
38) Carbon Tetrachloride	5.77	117	39980	19.694	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	44750	18.709	ug/l	98
40) Benzene	6.13	78	118105	19.614	ug/l	96
41) Methacrylonitrile	5.03	41	19805	17.917	ug/l	94
42) 1,2-Dichloroethane	6.18	62	41054	20.163	ug/l	97
43) Isopropyl Acetate	6.43	43	61510	19.008	ug/l	99
44) Trichloroethene	7.21	130	34045	18.679	ug/l	99
45) 1,2-Dichloropropane	7.51	63	29773	19.092	ug/l	97
46) Dibromomethane	7.66	93	21919	19.254	ug/l	98
47) Bromodichloromethane	7.89	83	38606	20.030	ug/l	97
48) Methyl methacrylate	7.76	41	28460	18.688	ug/l	98
49) 1,4-Dioxane	7.73	88	16042	363.348	ug/l	92
51) 4-Methyl-2-Pentanone	8.63	43	204430	97.888	ug/l	100
52) Toluene	8.78	92	77951	19.580	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	40340	19.790	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	44915	19.949	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	31916	19.498	ug/l	96
56) Ethyl methacrylate	9.17	69	44672	19.151	ug/l	99
57) 1,3-Dichloropropane	9.37	76	50116	19.359	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	106119	92.523	ug/l	99
59) 2-Hexanone	9.49	43	160132	98.994	ug/l	98
60) Dibromochloromethane	9.58	129	33447	19.958	ug/l	100
61) 1,2-Dibromoethane	9.66	107	34740	19.644	ug/l	98
64) Tetrachloroethene	9.33	164	35215	19.334	ug/l	96
65) Chlorobenzene	10.13	112	87502	19.028	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	31854	20.233	ug/l	99
67) Ethyl Benzene	10.25	91	148477	19.279	ug/l	100
68) m/p-Xylenes	10.35	106	117012	39.280	ug/l	100
69) o-Xylene	10.69	106	55991	19.130	ug/l	99
70) Styrene	10.71	104	94772	19.569	ug/l	99
71) Bromoform	10.85	173	24208	19.058	ug/l #	98
73) Isopropylbenzene	11.01	105	152202	19.509	ug/l	100
74) N-amyl acetate	10.90	43	55503	19.690	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	50087	19.266	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	41673m	20.061	ug/l	
77) Bromobenzene	11.25	156	40899	18.906	ug/l	98
78) n-propylbenzene	11.35	91	170039	19.599	ug/l	100
79) 2-Chlorotoluene	11.42	91	99865	19.313	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	126669	19.396	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	13242	20.008	ug/l	96
82) 4-Chlorotoluene	11.51	91	113144	18.775	ug/l	99
83) tert-Butylbenzene	11.77	119	124794	19.484	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	125746	19.339	ug/l	98
85) sec-Butylbenzene	11.94	105	148044	19.238	ug/l	99
86) p-Isopropyltoluene	12.06	119	139072	19.644	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	74049	19.373	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	74797	18.977	ug/l	99
89) n-Butylbenzene	12.38	91	116741	19.140	ug/l	100
90) Hexachloroethane	12.59	117	20349	19.442	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	73966	19.259	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	9812	19.480	ug/l	97

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ClientSampleId :
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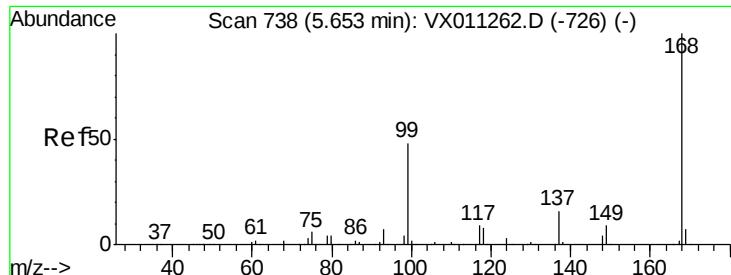
Manual Integrations
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8/6/2019 4:48:38 PM

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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)
93) 1,2,4-Trichlorobenzene	13.65	180	48359	18.986	ug/l	99
94) Hexachlorobutadiene	13.78	225	25898	20.041	ug/l	98
95) Naphthalene	13.83	128	141575	19.007	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	48736	18.822	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBS01

Tot Ion:168 Resp: 162204

Ion Ratio Lower Upper

168 100

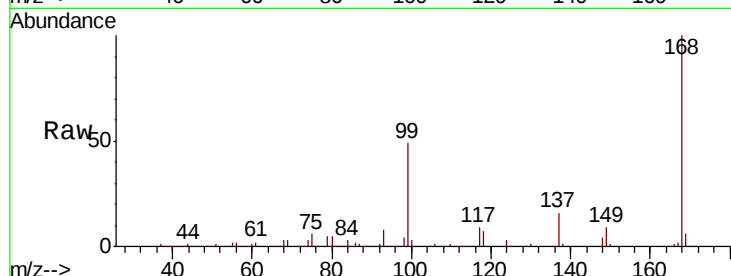
99 49.5 38.5 57.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

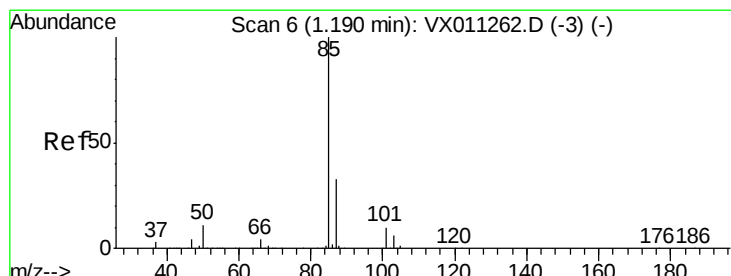
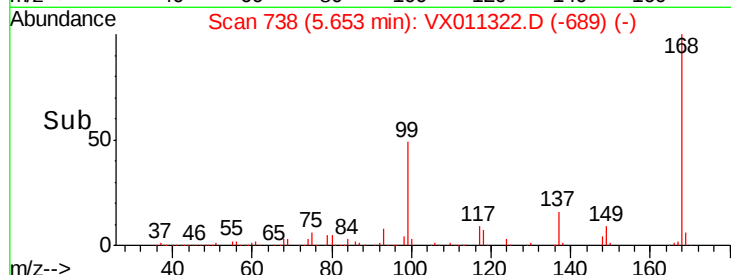
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.621 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011322.D

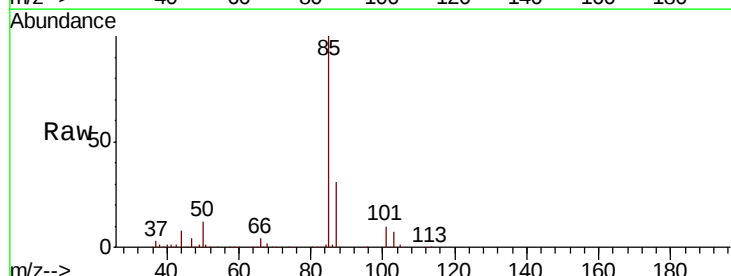
Acq: 05 Aug 2019 11:37

Tgt Ion: 85 Resp: 23328

Ion Ratio Lower Upper

85 100

87 30.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

25000

20000

15000

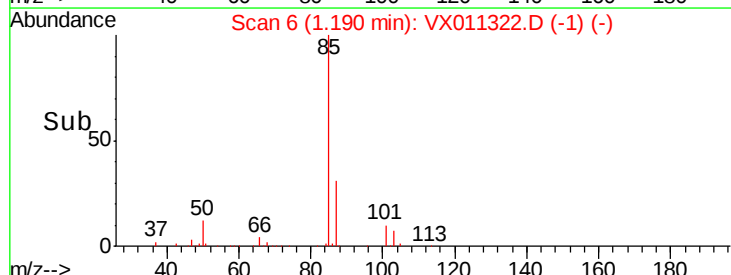
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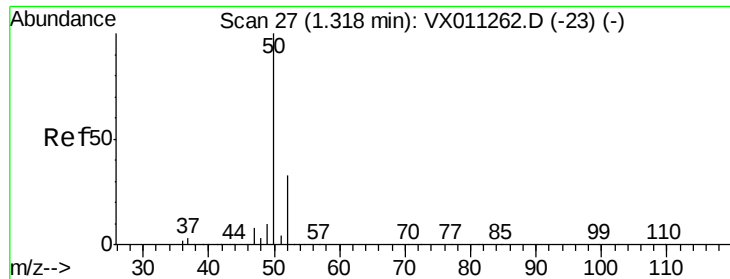
5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 18.632 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBS01

Tot Ion: 50 Resp: 26212

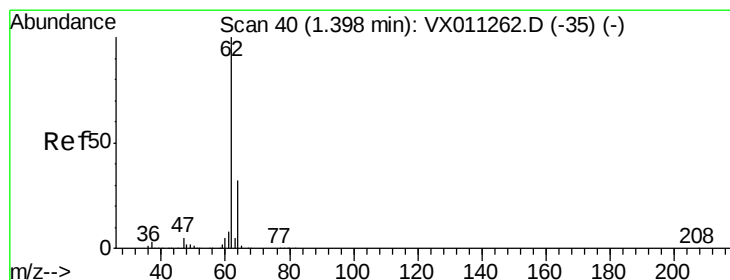
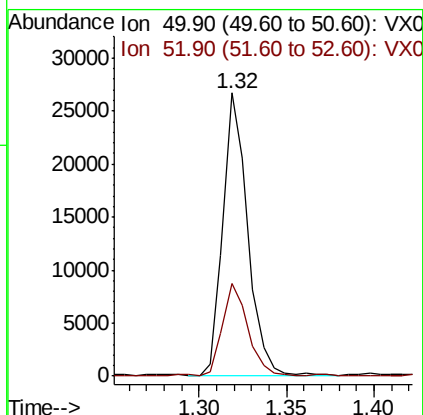
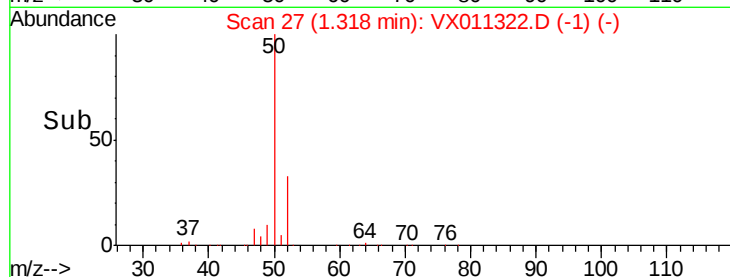
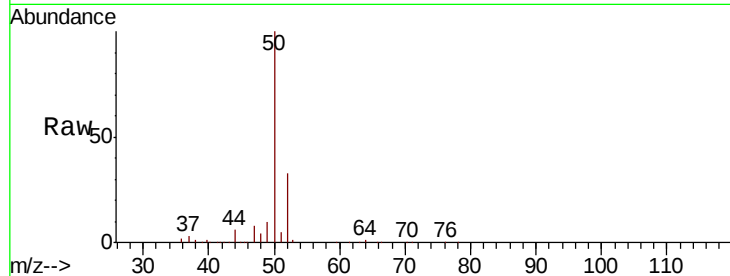
Ion Ratio Lower Upper

50 100

52 32.8 26.4 39.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.924 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011322.D

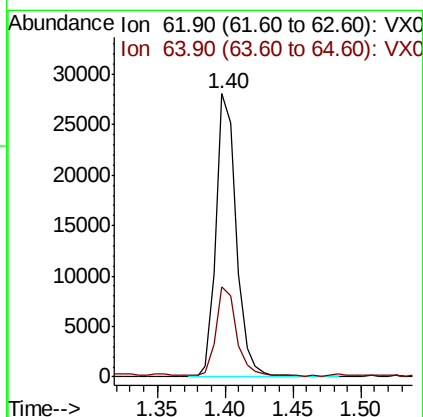
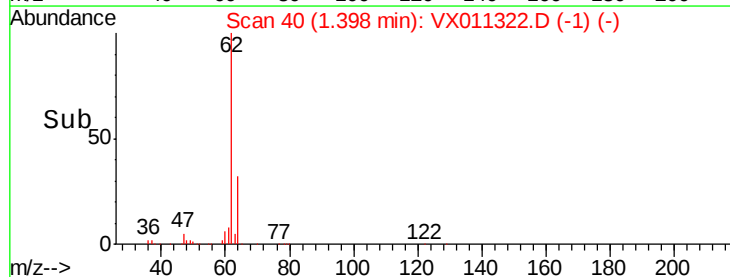
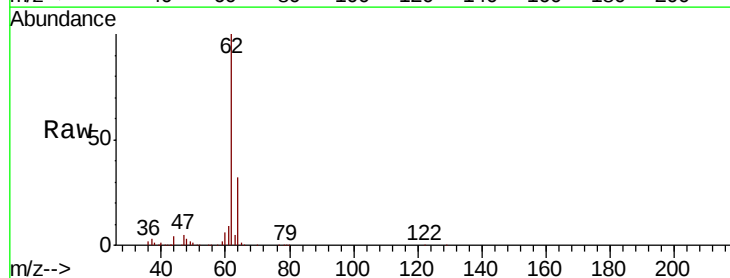
Acq: 05 Aug 2019 11:37

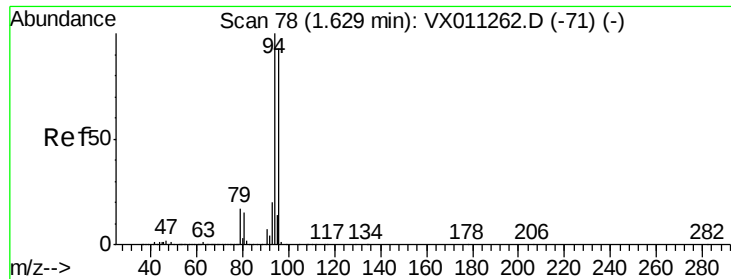
Tgt Ion: 62 Resp: 29285

Ion Ratio Lower Upper

62 100

64 31.4 26.0 39.0





#5

Bromomethane

Concen: 19.657 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBS01

Tot Ion: 94 Resp: 21695

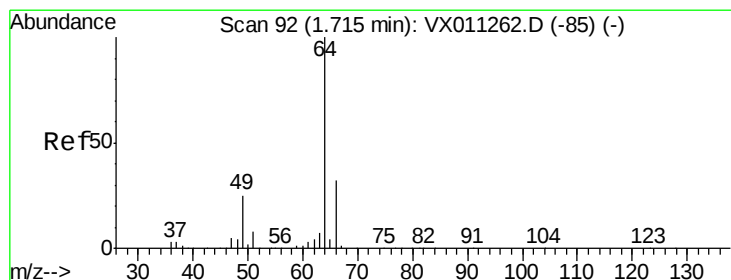
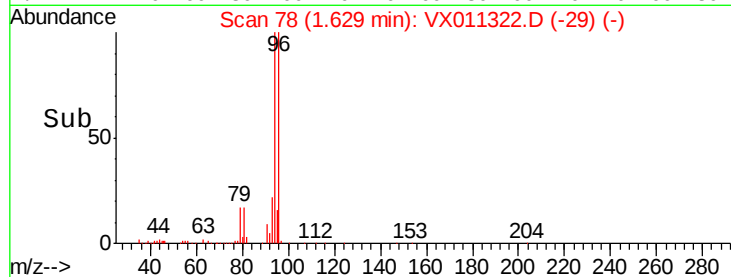
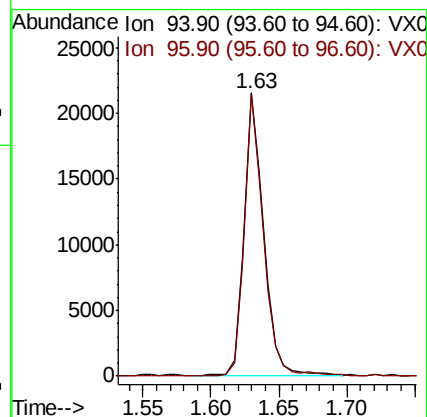
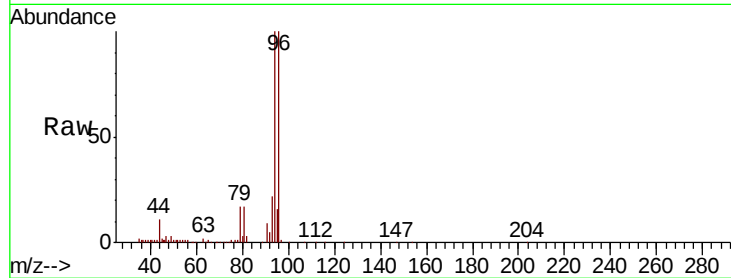
Ion Ratio Lower Upper

94 100

96 99.5 74.6 112.0

Manual Integrations
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#6

Chloroethane

Concen: 20.110 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011322.D

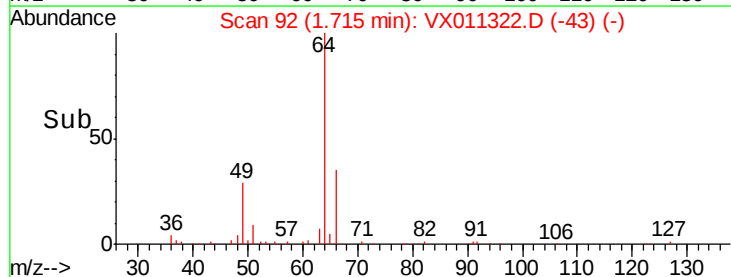
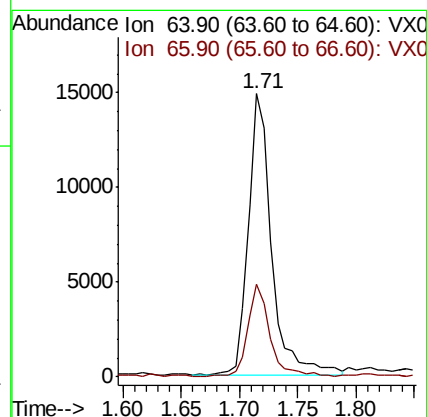
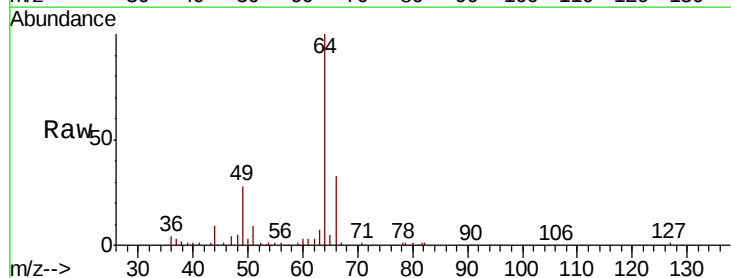
Acq: 05 Aug 2019 11:37

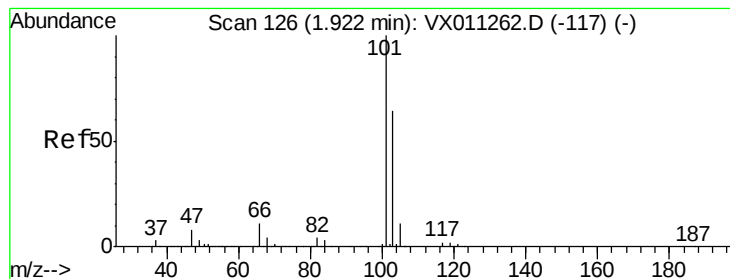
Tgt Ion: 64 Resp: 20766

Ion Ratio Lower Upper

64 100

66 32.4 25.1 37.7





#7

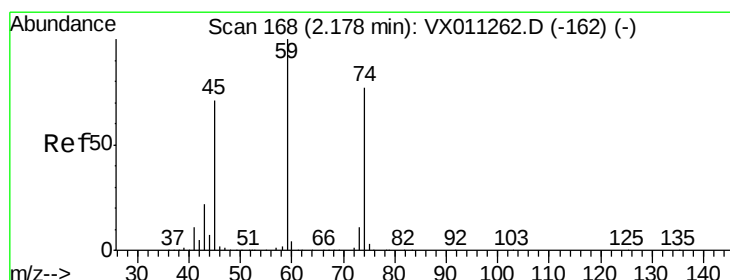
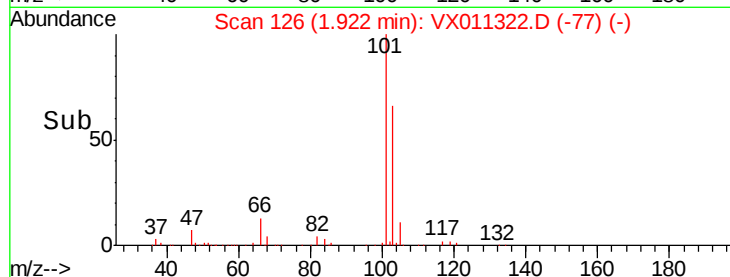
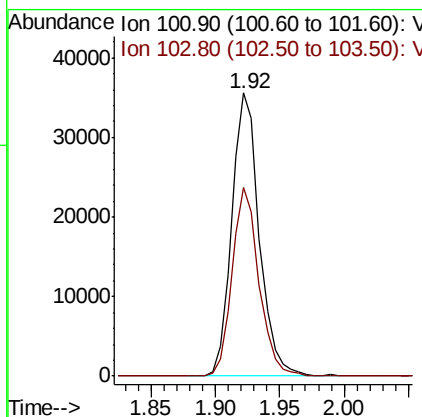
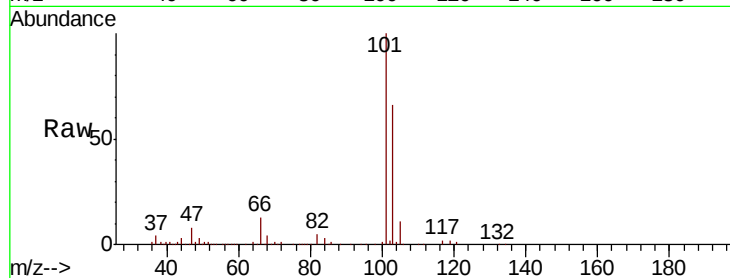
Trichlorofluoromethane
Concen: 19.222 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	50.9	76.3

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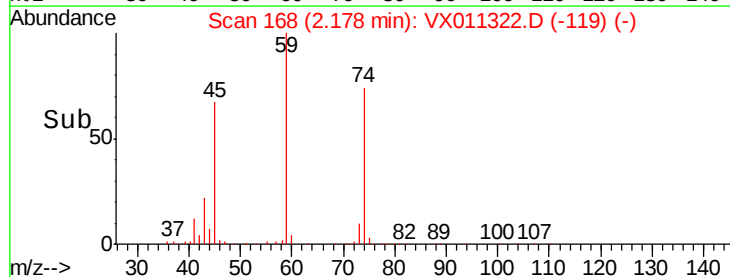
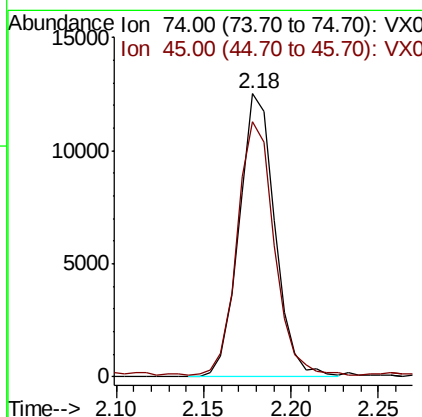
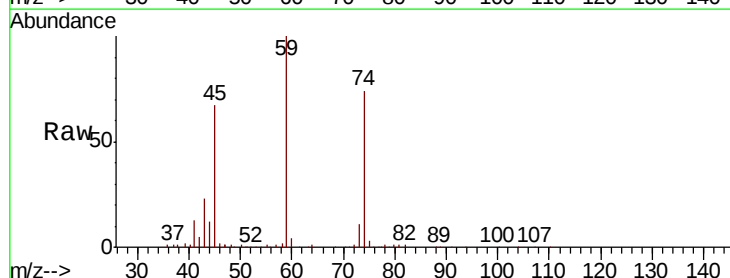
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#8

Diethyl Ether
Concen: 18.193 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	46.1	138.3





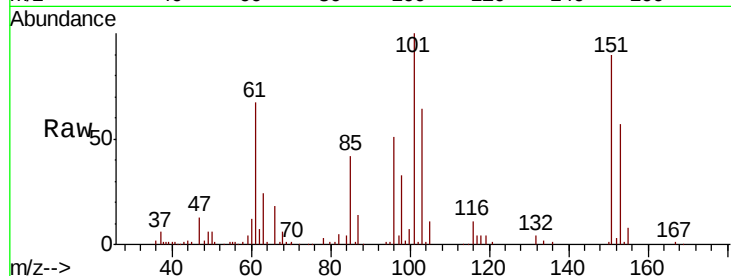
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.440 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.2	33.8	50.6
151	84.9	69.5	104.3

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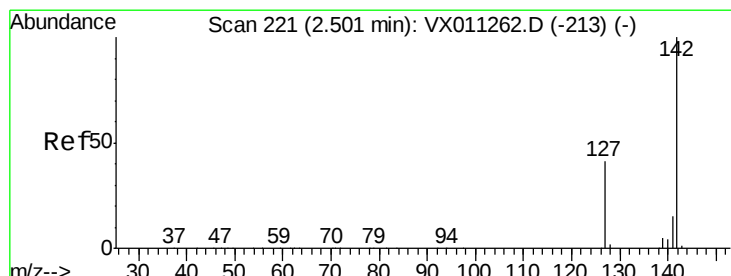
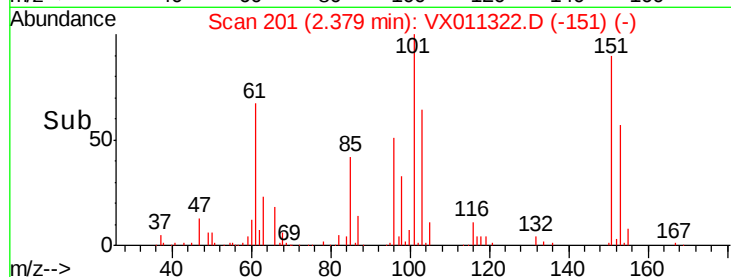
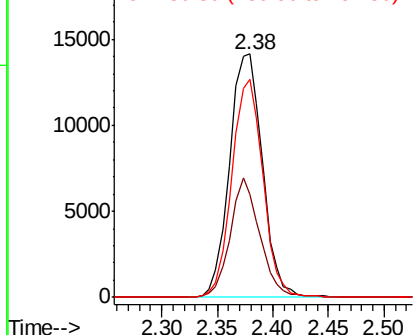


Abundance

Ion 100.90 (100.60 to 101.60): V

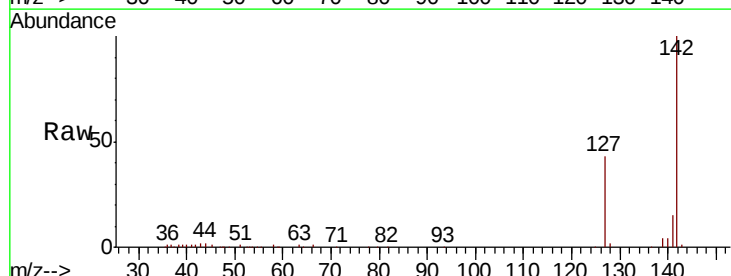
Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 14.174 ug/l
RT: 2.50 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.6	33.8	50.8
141	14.6	11.4	17.2

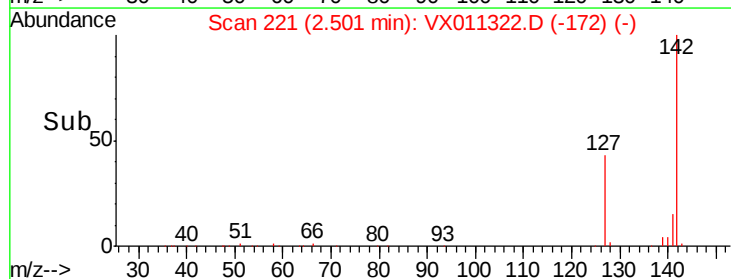
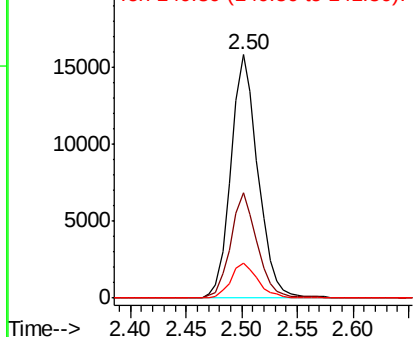


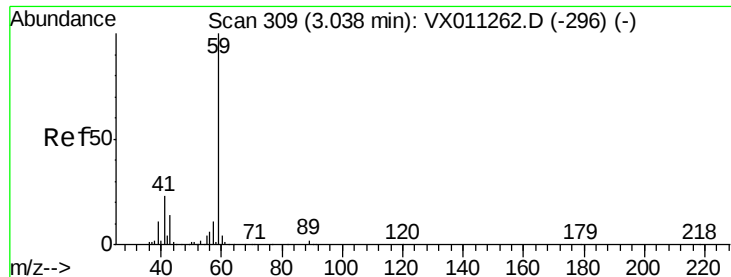
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





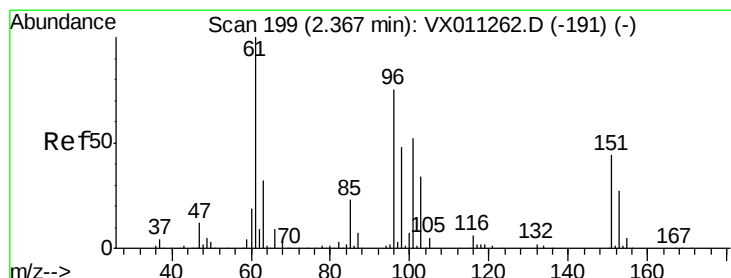
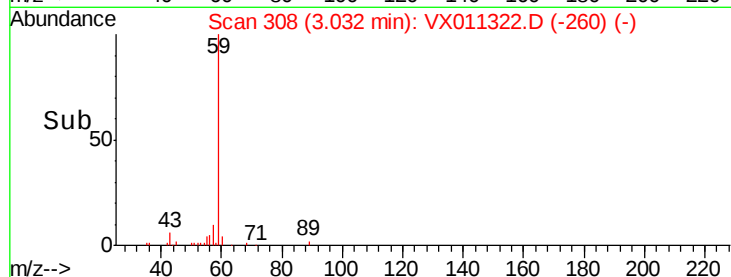
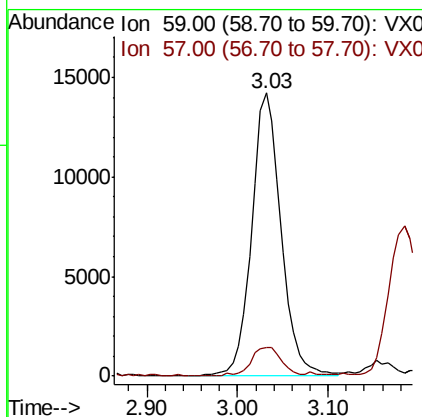
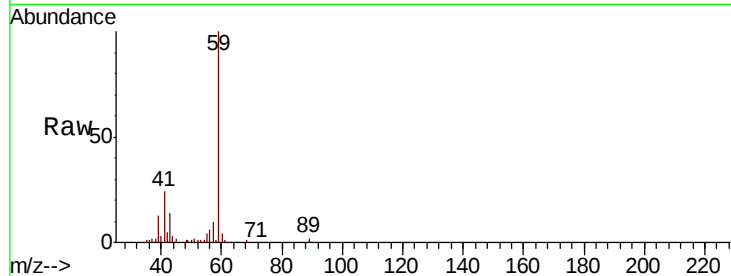
#11
Tert butyl alcohol
Concen: 98.108 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5

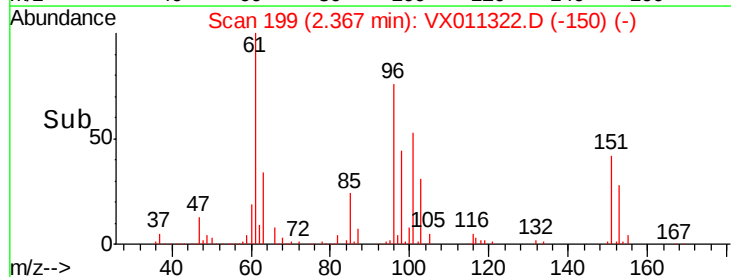
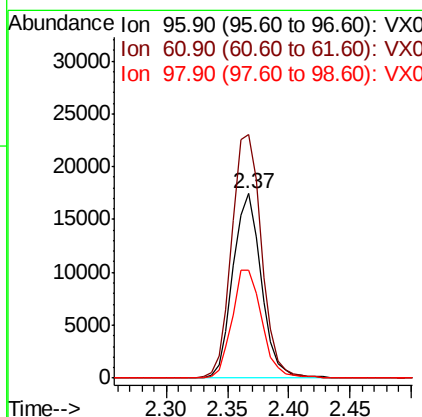
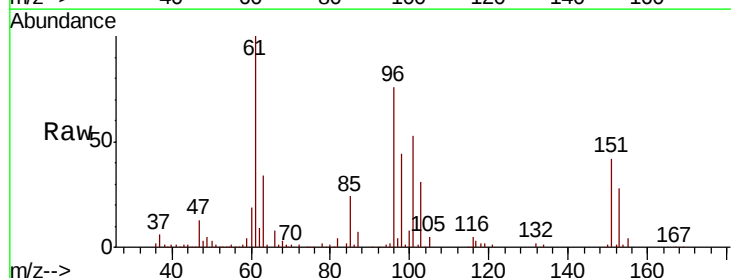
Manual Integrations
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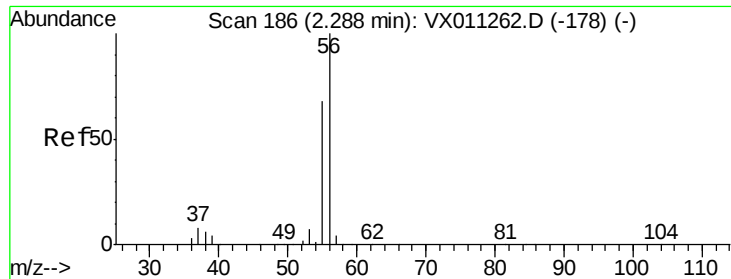
MMDadoda
8/6/2019 4:48:38 PM



#12
1,1-Dichloroethene
Concen: 19.053 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.5	106.2	159.2
98	58.1	50.6	75.8





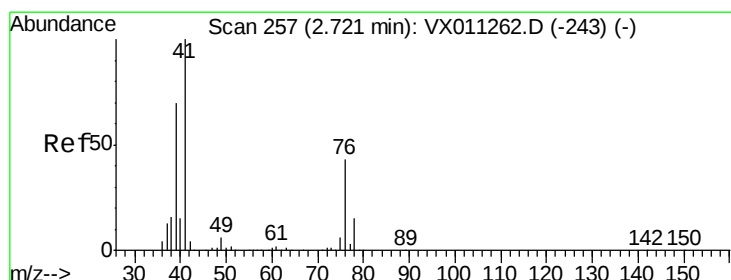
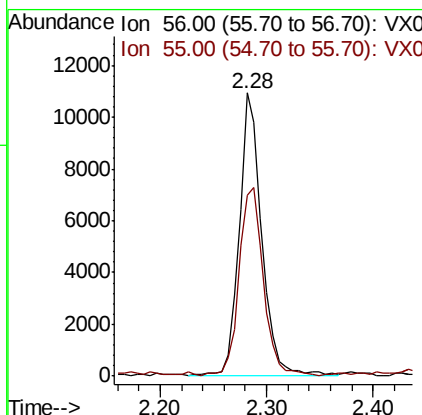
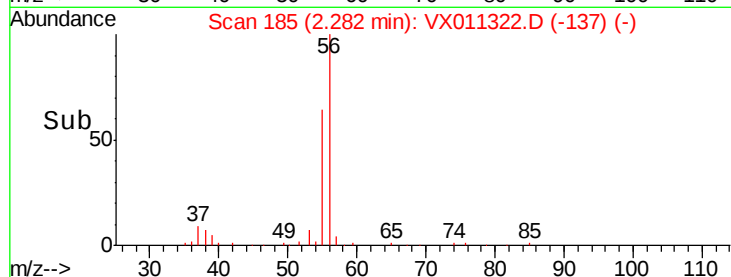
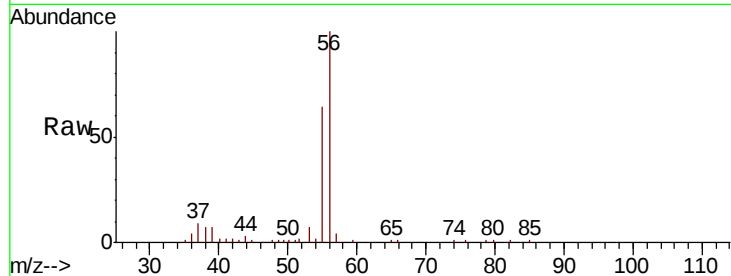
#13
Acrolein
Concen: 80.295 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion	56	55	Ratio	Lower	Upper
16312	100	72.2		56.0	84.0

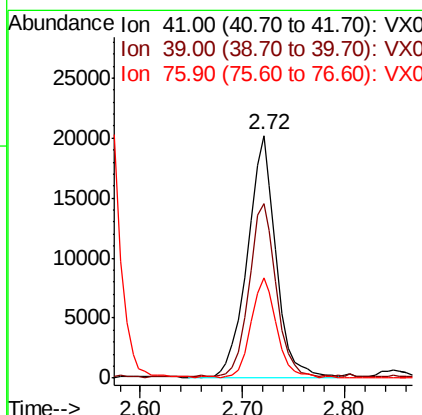
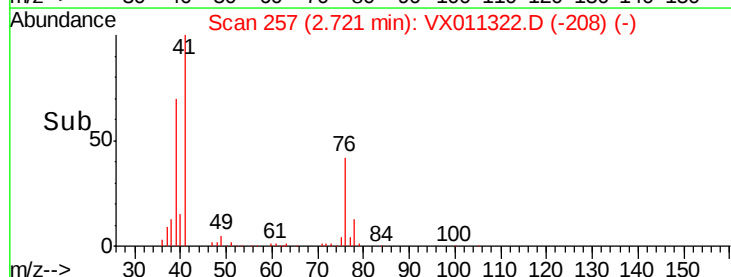
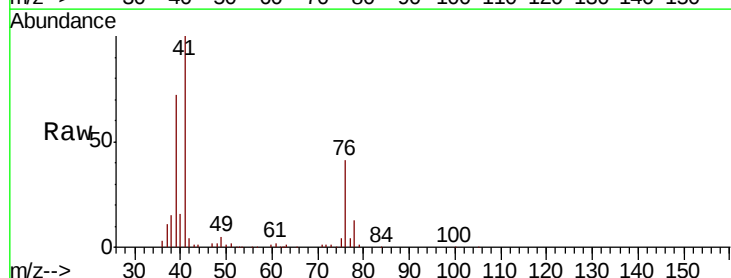
Manual Integrations
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#14
Allyl chloride
Concen: 19.821 ug/l
RT: 2.72 min Scan# 257
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion	41	39	76	Ratio	Lower	Upper
38997	100	68.5	38.1		52.8	79.2
					31.1	46.7





#15

Acrylonitrile

Concen: 96.520 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

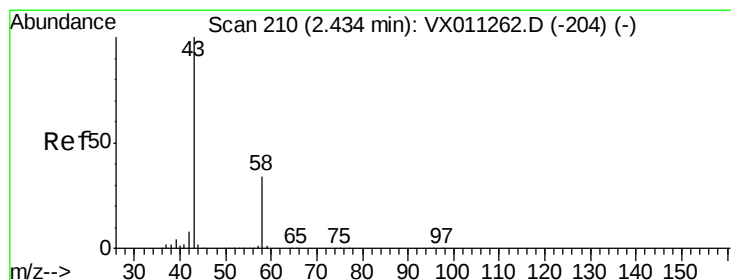
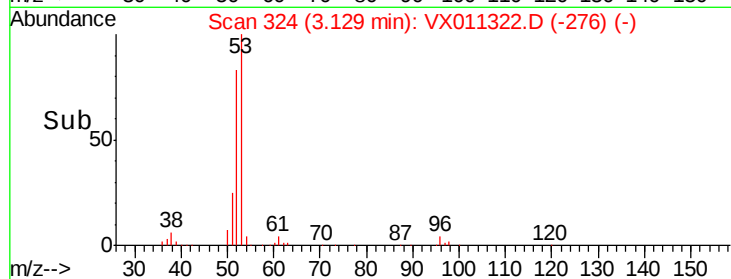
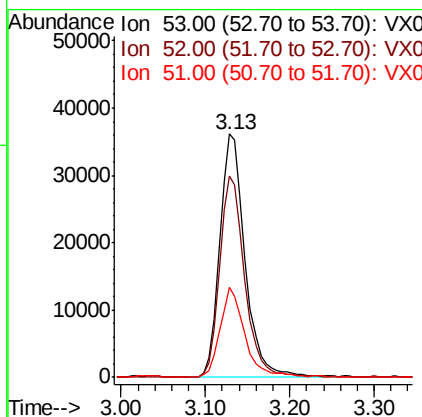
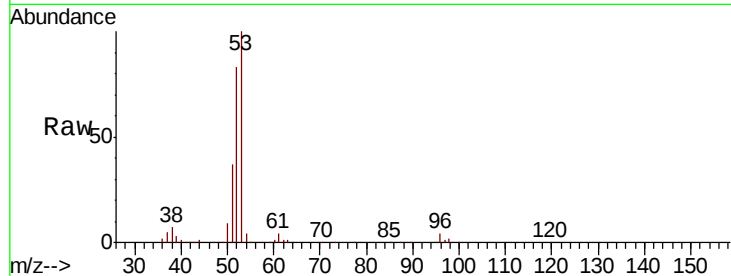
ClientSampleId :

VX0805WBS01

Tot Ion:	53	Resp:	75025
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.5	98.3
51	34.9	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 92.366 ug/l

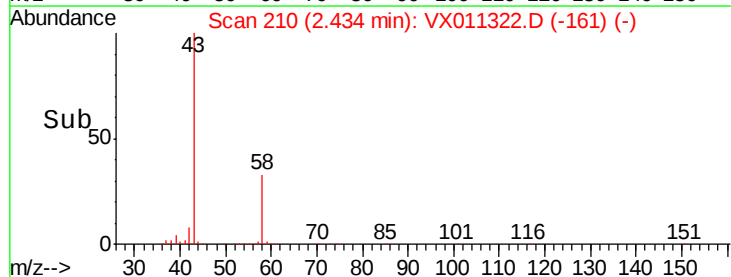
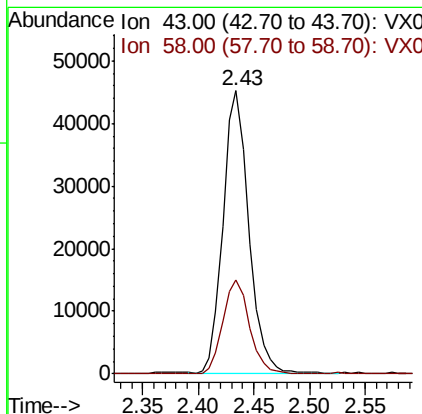
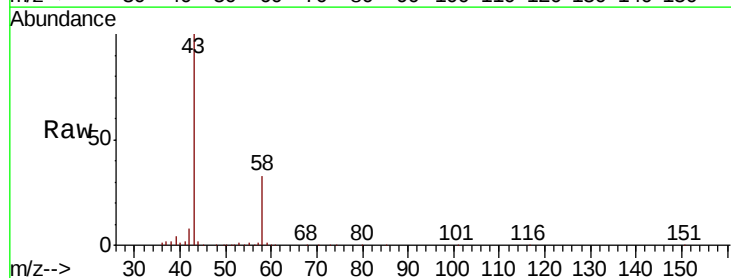
RT: 2.43 min Scan# 210

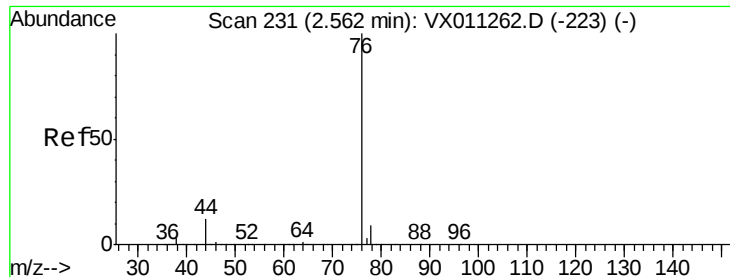
Delta R.T. 0.00 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Tgt Ion:	43	Resp:	71815
Ion Ratio	Lower	Upper	
43	100		
58	33.2	27.4	41.0





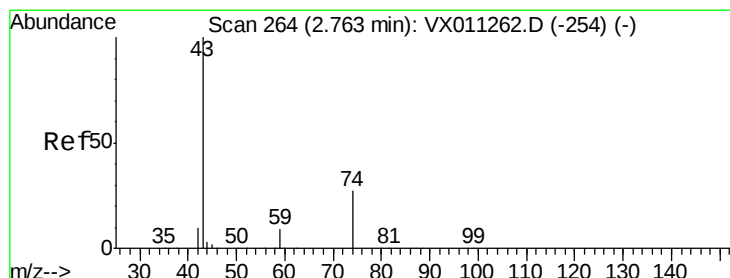
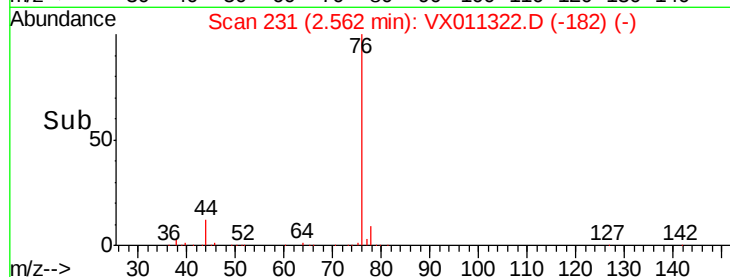
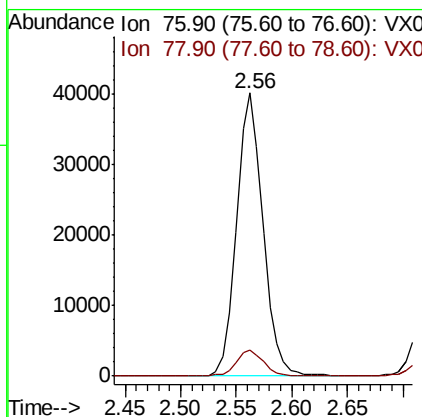
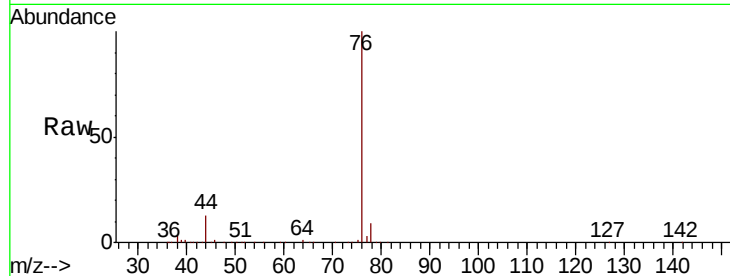
#17
Carbon Disulfide
Concen: 19.002 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

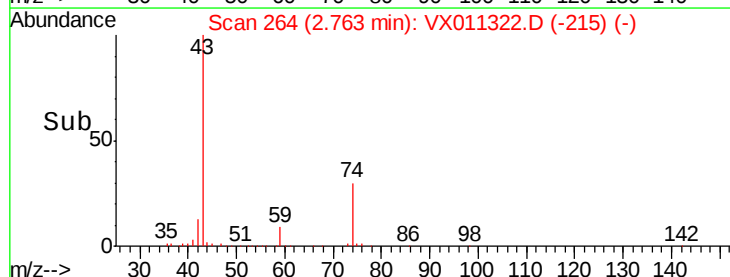
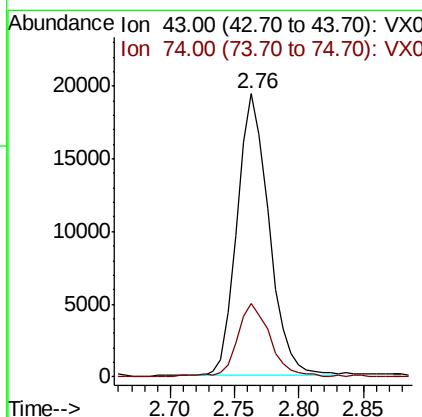
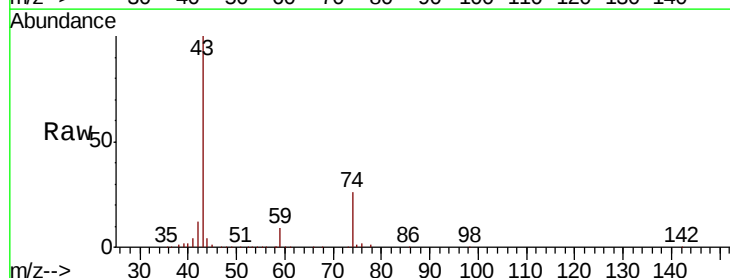
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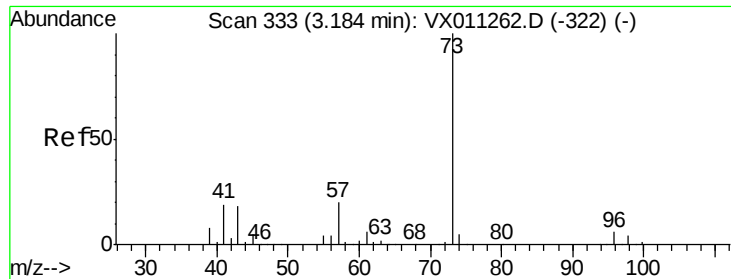
MMDadoda
8/6/2019 4:48:38 PM



#18
Methyl Acetate
Concen: 18.885 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.9	21.0	31.6





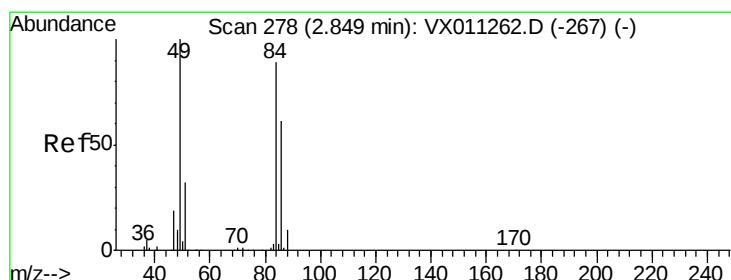
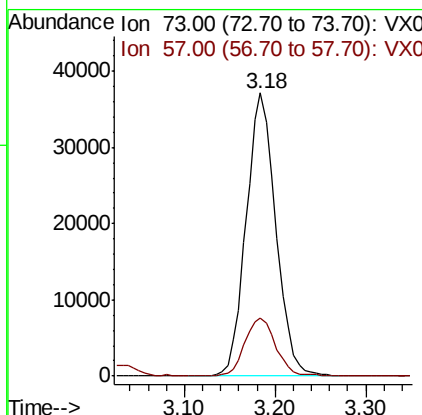
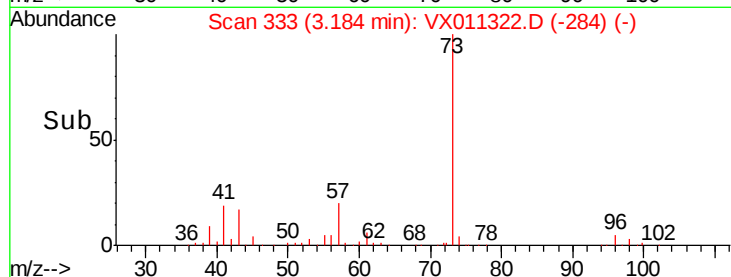
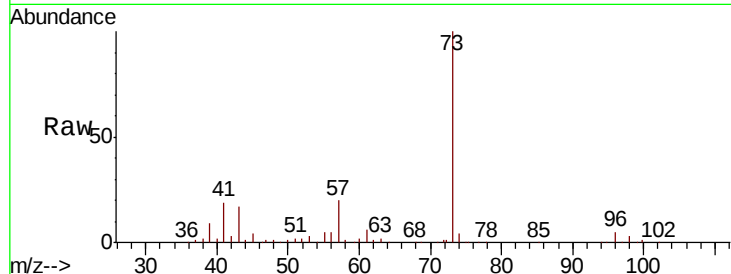
#19
Methvl tert-butvl Ether
Concen: 19.348 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion: 73 Resp: 84145
Ion Ratio Lower Upper
73 100
57 20.3 16.2 24.2

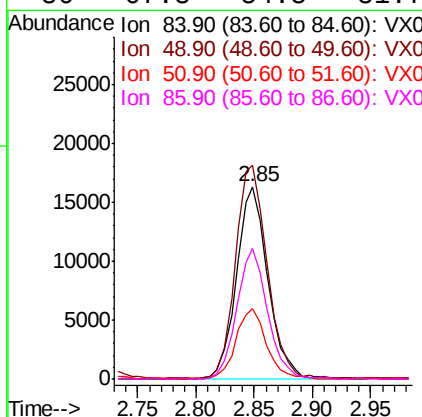
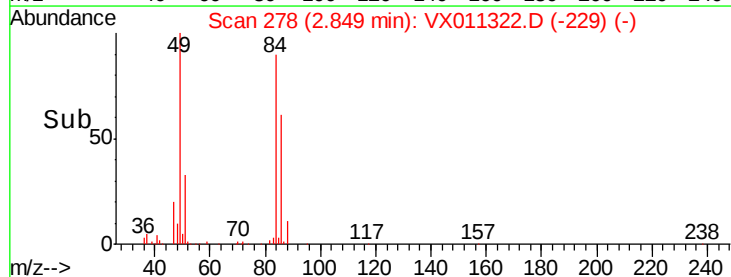
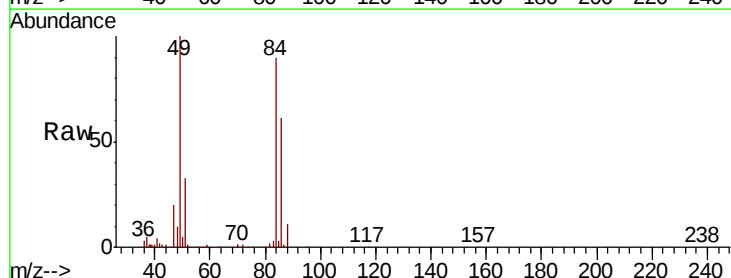
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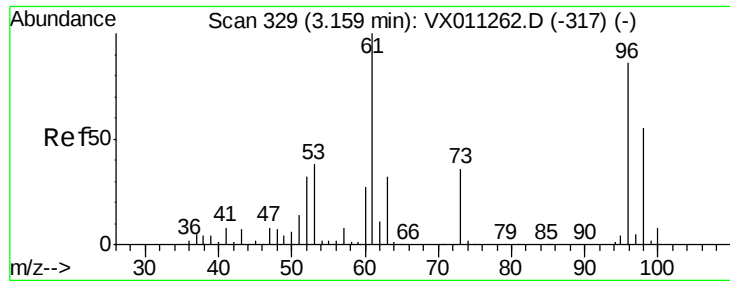
MMDadoda
8/6/2019 4:48:38 PM



#20
Methylene Chloride
Concen: 18.059 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion: 84 Resp: 30751
Ion Ratio Lower Upper
84 100
49 110.7 89.3 133.9
51 36.5 28.3 42.5
86 67.8 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 19.081 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

ClientSampled :

VX0805WBS01

Tot Ion: 96 Resp: 29788

Ion Ratio Lower Upper

96 100

61 116.4 92.8 139.2

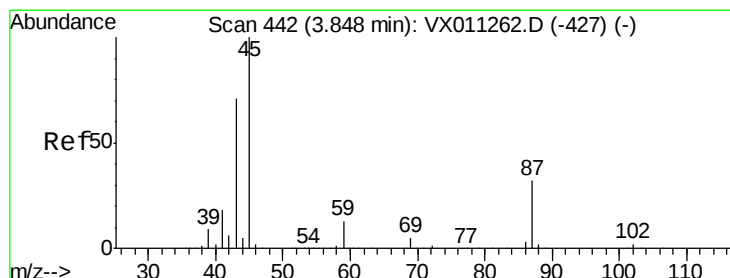
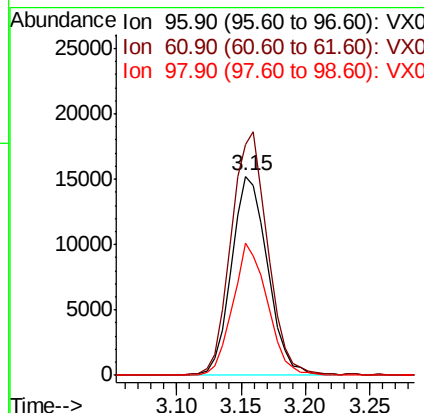
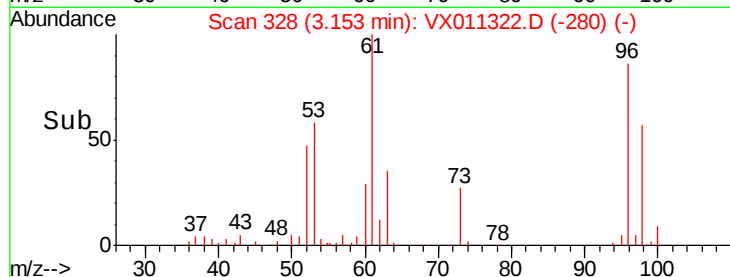
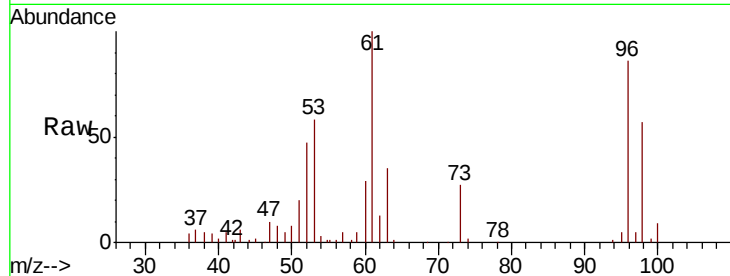
98 66.2 51.2 76.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.207 ug/l

RT: 3.84 min Scan# 441

Delta R.T. -0.01 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Tgt Ion: 45 Resp: 83054

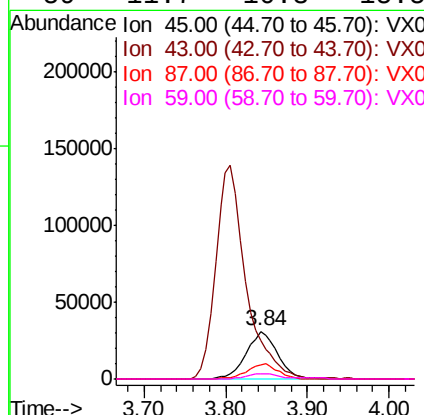
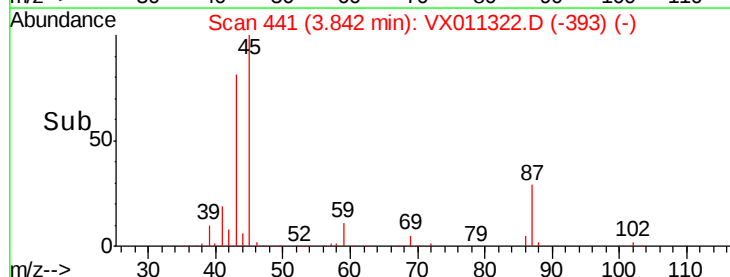
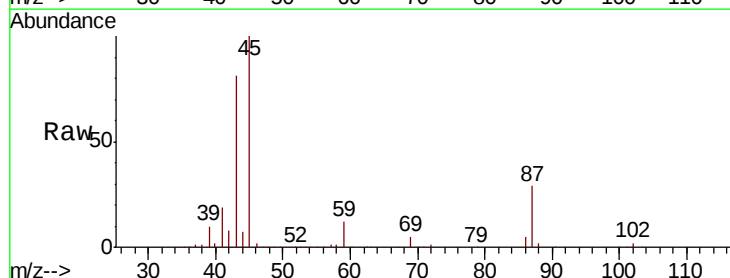
Ion Ratio Lower Upper

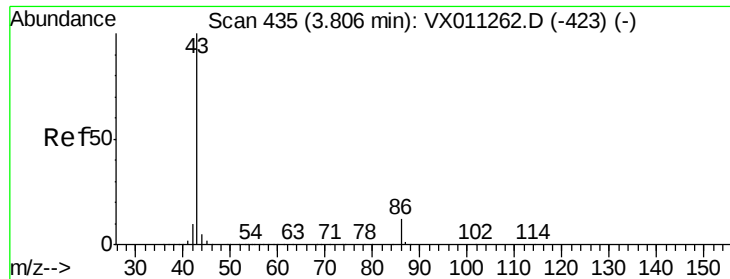
45 100

43 79.4 56.8 85.2

87 29.5 25.8 38.6

59 11.7 10.3 15.5





#23

Vinyl Acetate

Concen: 100.532 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBS01

Tot Ion: 43 Resp: 360551

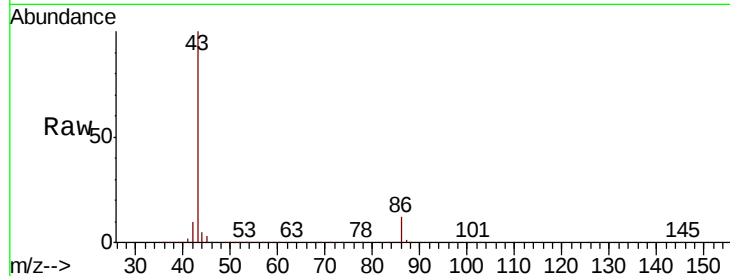
Ion Ratio Lower Upper

43 100

86 12.3 9.6 14.4

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

150000

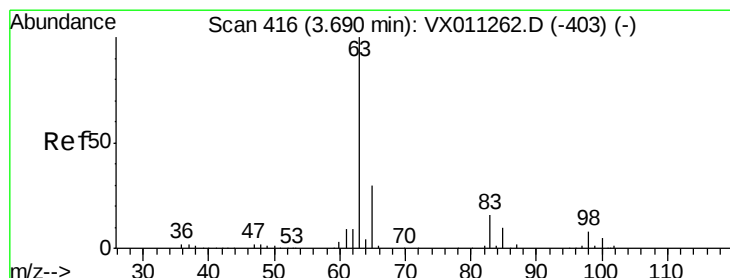
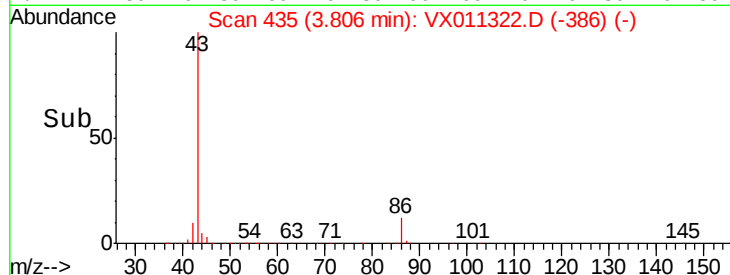
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.446 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

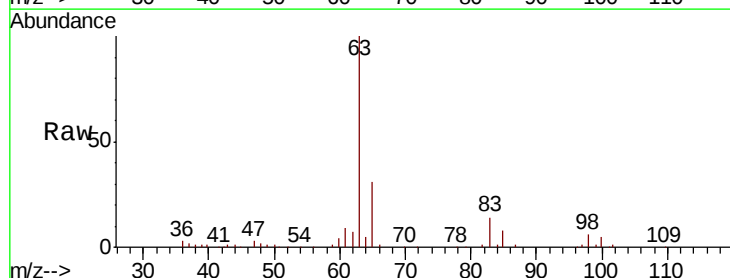
Tgt Ion: 63 Resp: 49583

Ion Ratio Lower Upper

63 100

98 6.4 3.9 11.5

100 5.4 2.7 8.1



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

25000

20000

15000

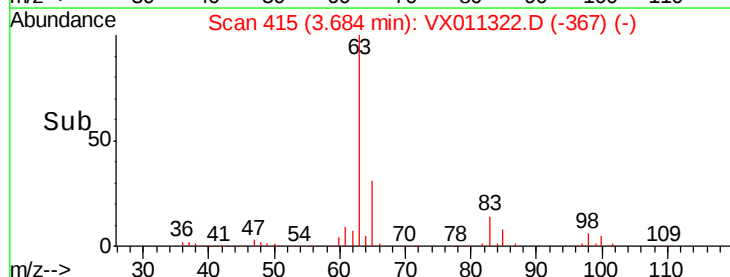
10000

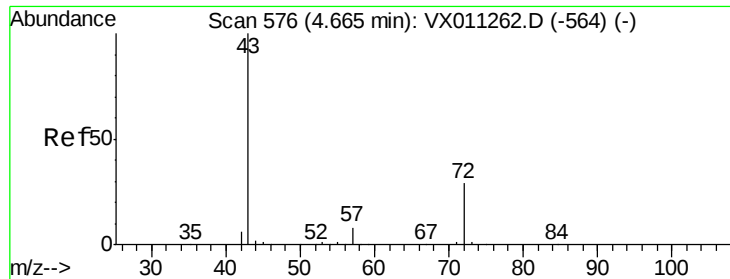
5000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 94.211 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBS01

Tot Ion: 43 Resp: 104198

Ion Ratio Lower Upper

43 100

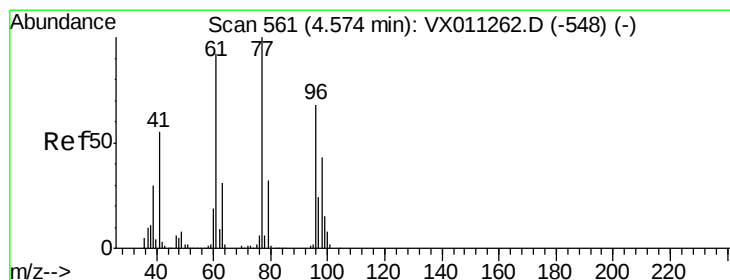
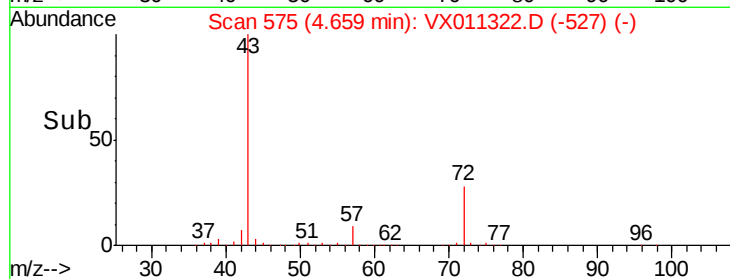
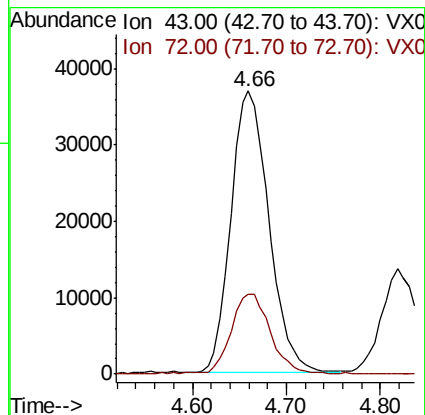
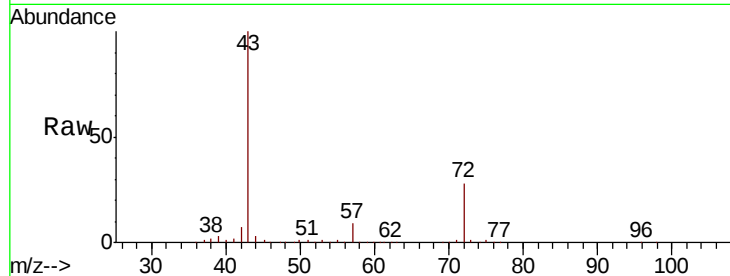
72 28.0 23.2 34.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.873 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011322.D

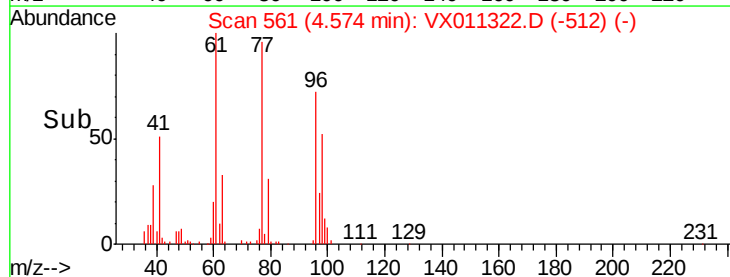
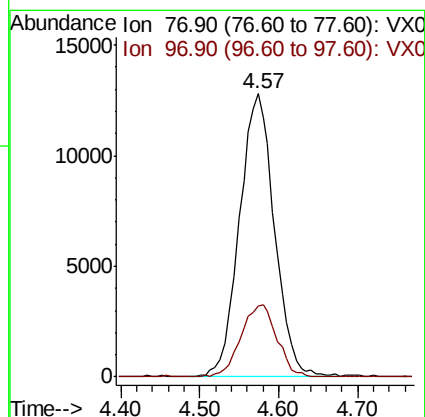
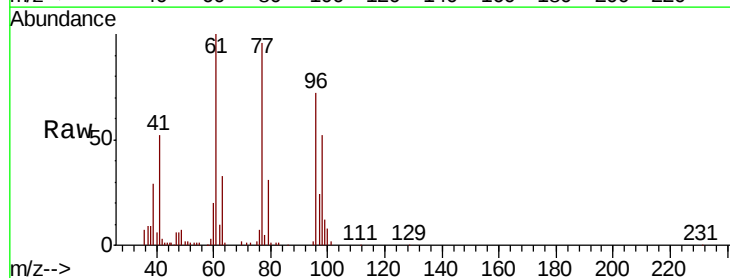
Acq: 05 Aug 2019 11:37

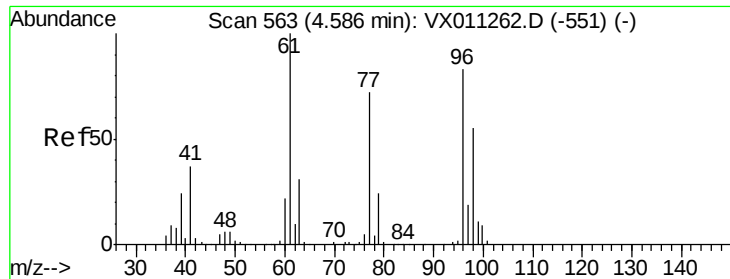
Tgt Ion: 77 Resp: 39389

Ion Ratio Lower Upper

77 100

97 26.2 12.8 38.4





#27

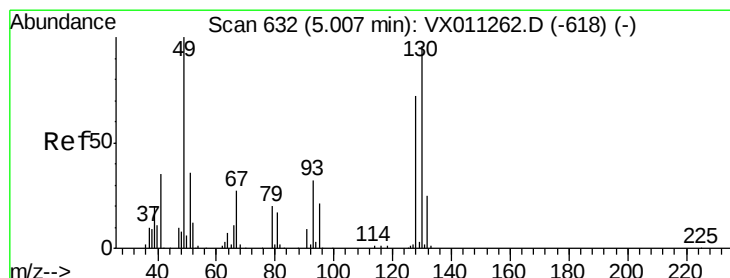
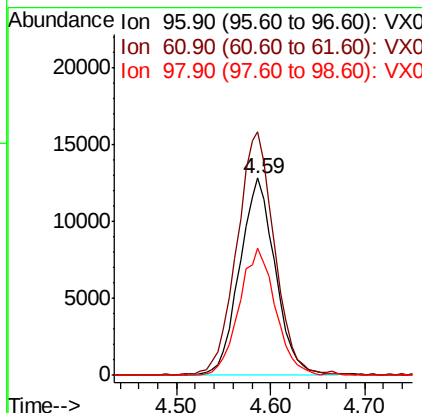
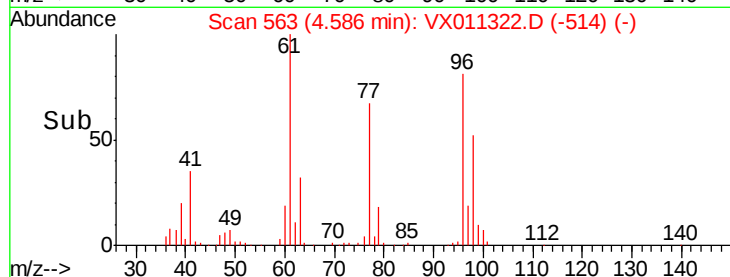
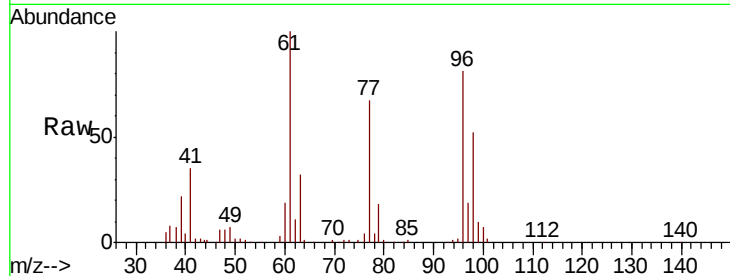
cis-1,2-Dichloroethene
Concen: 18.954 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.0	0.0	260.2
98	65.2	0.0	133.2

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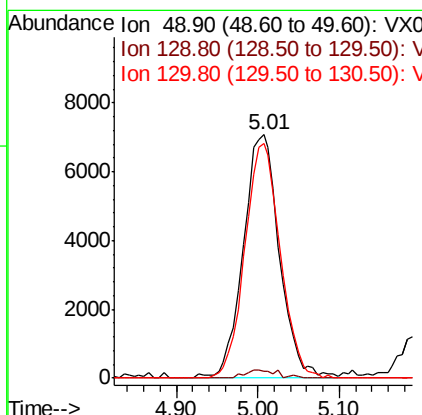
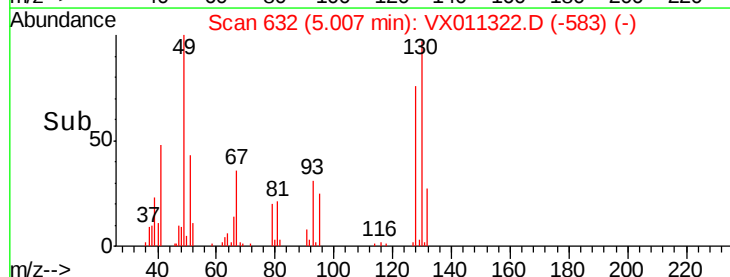
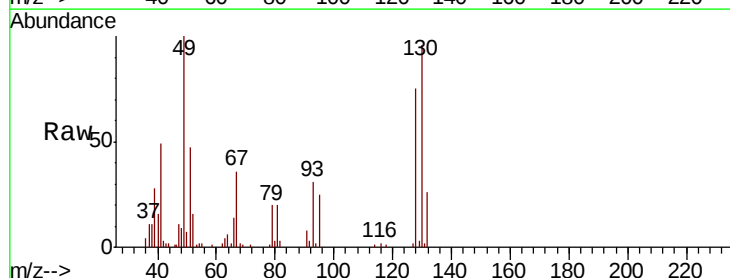
MMDadoda
8/6/2019 4:48:38 PM

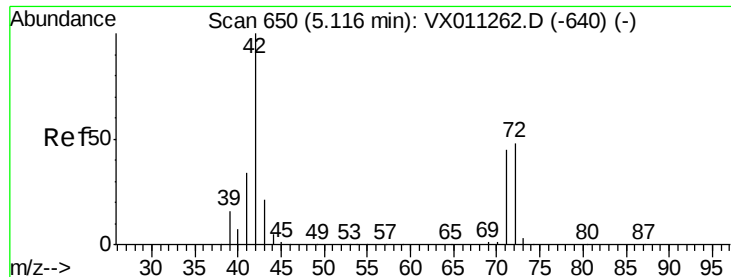


#28

Bromochloromethane
Concen: 18.807 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.8
130	94.2	77.9	116.9





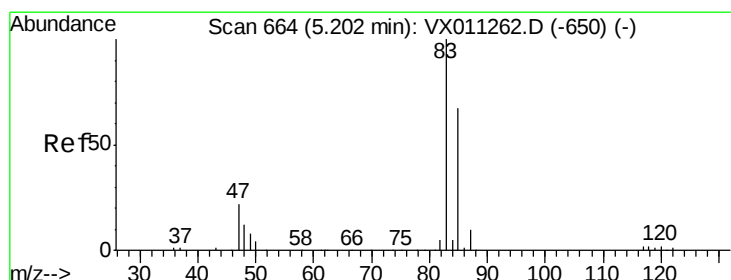
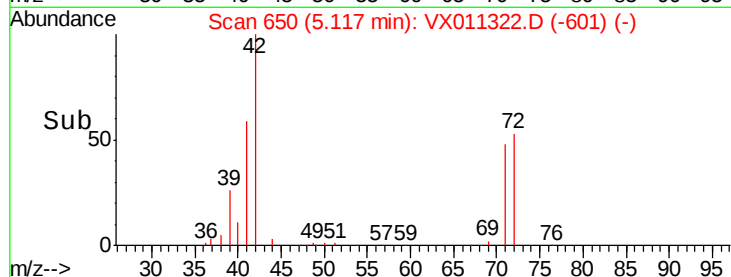
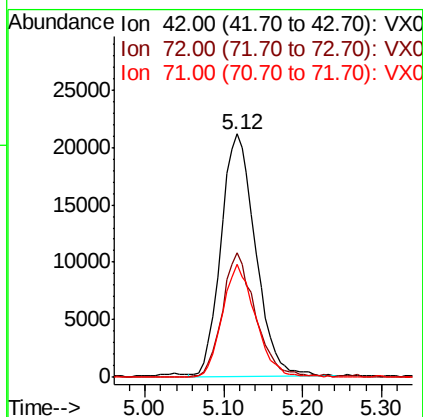
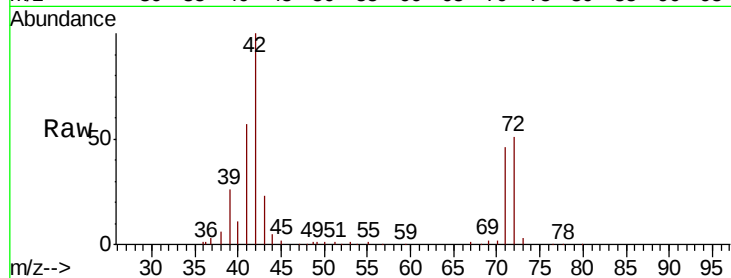
#29
Tetrahydrofuran
Concen: 94.641 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion:	42	Resp:	64180
Ion	Ratio	Lower	Upper
42	100		
72	49.2	39.9	59.9
71	45.0	36.9	55.3

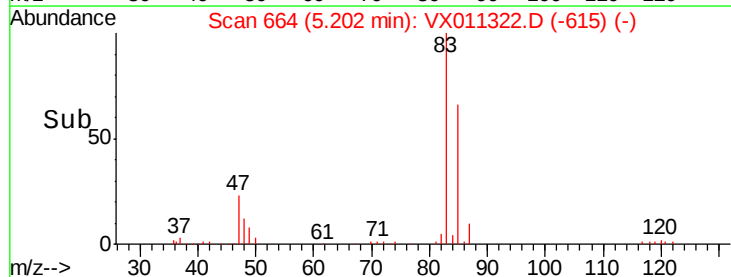
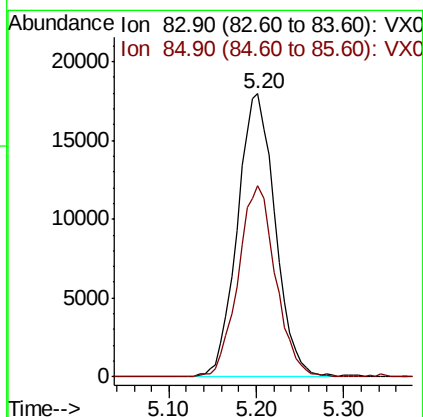
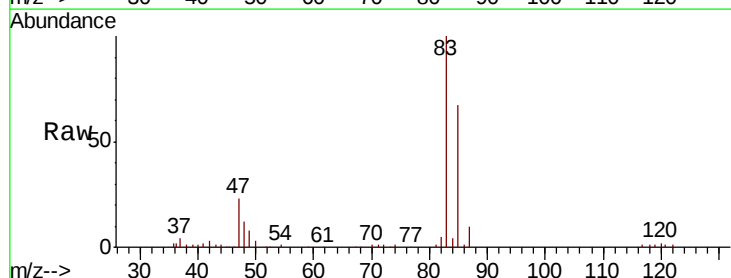
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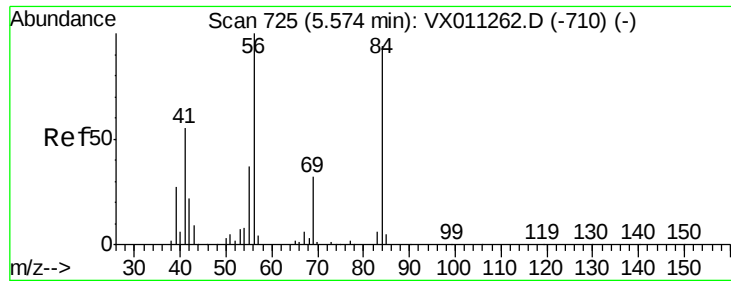
MMDadoda
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#30
Chloroform
Concen: 19.395 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion:	83	Resp:	53749
Ion	Ratio	Lower	Upper
83	100		
85	67.4	53.4	80.0





#31

Cyclohexane

Concen: 18.845 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

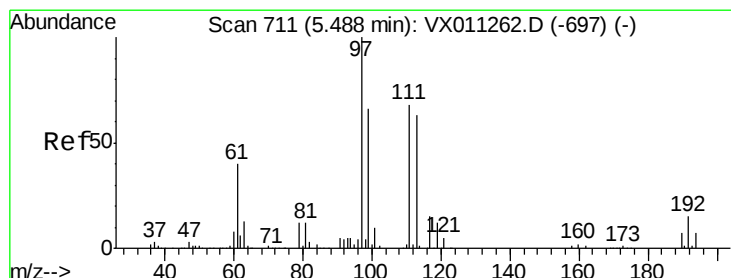
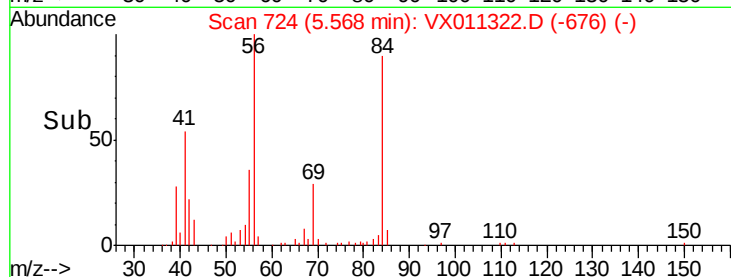
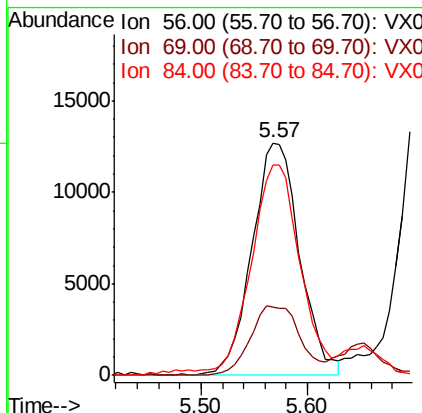
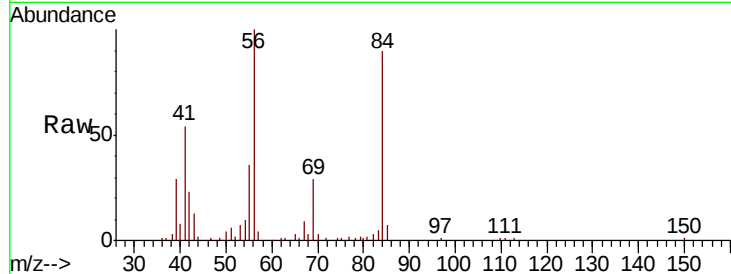
ClientSampleId :

VX0805WBS01

Tot Ion:	56	Resp:	39643
Ion Ratio	Lower	Upper	
56	100		
69	29.1	25.5	38.3
84	87.7	75.0	112.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.569 ug/l

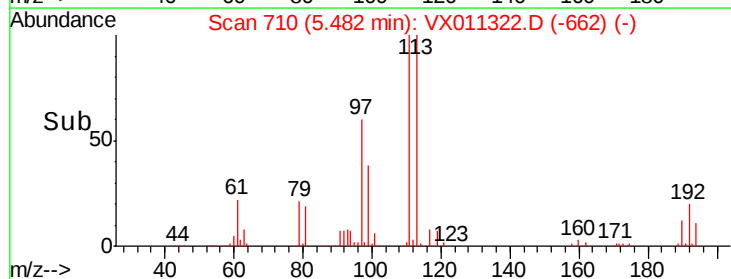
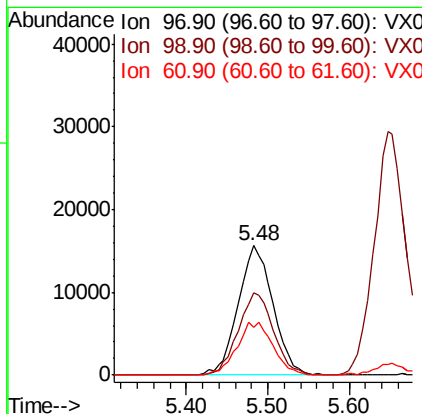
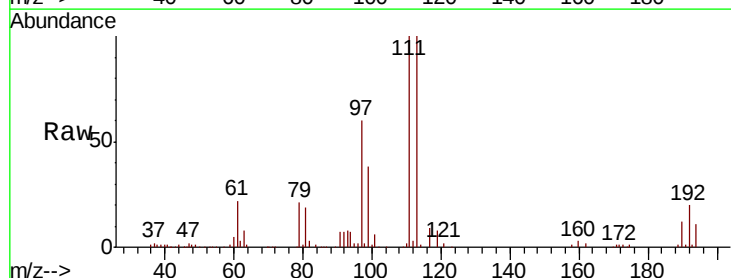
RT: 5.48 min Scan# 710

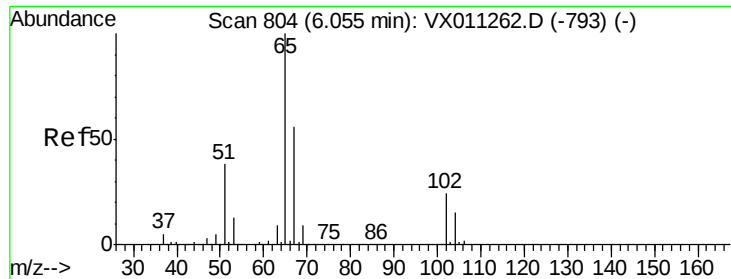
Delta R.T. -0.01 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Tgt Ion:	97	Resp:	46455
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.6	77.4
61	41.9	32.3	48.5





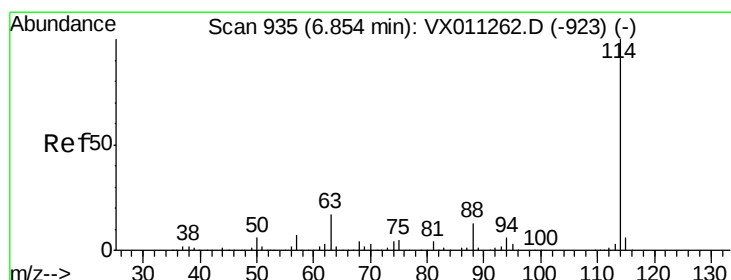
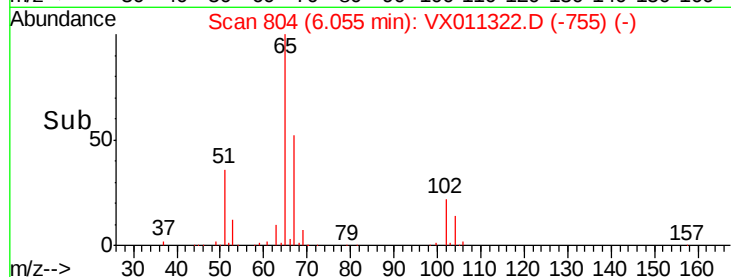
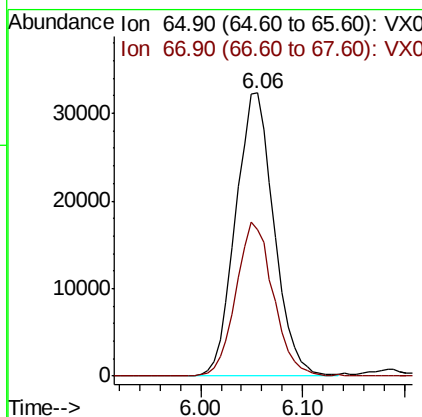
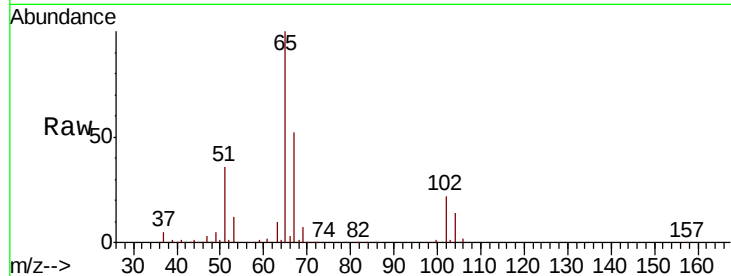
#33
 1,2-Dichloroethane-d4
 Concen: 51.759 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011322.D
 Acq: 05 Aug 2019 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	110.6

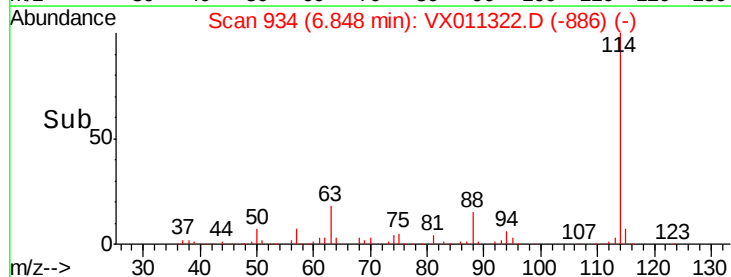
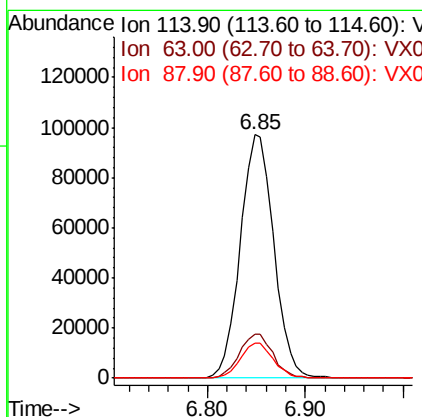
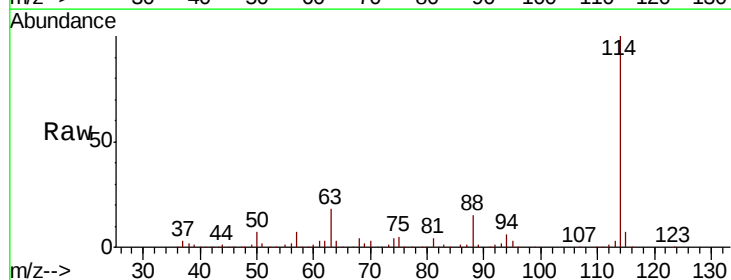
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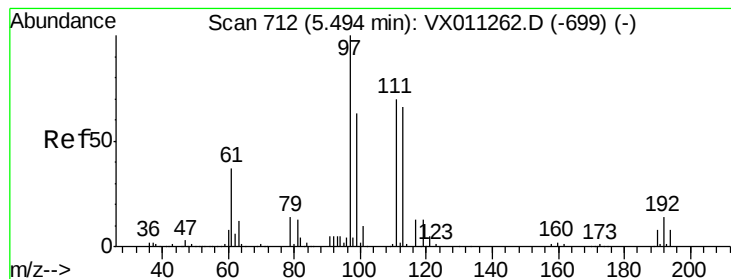
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VX011322.D
 Acq: 05 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	34.0
88	14.6	0.0	26.4





#35

Dibromofluoromethane

Concen: 51.896 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

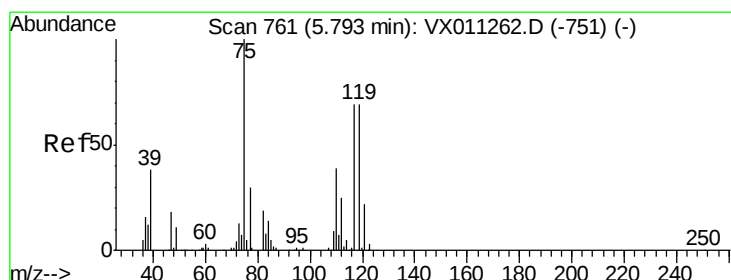
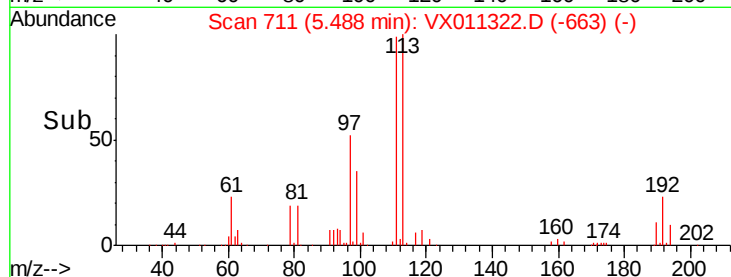
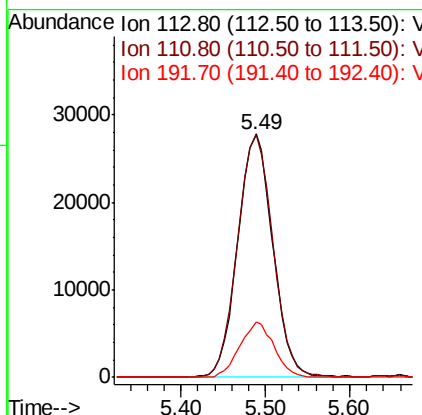
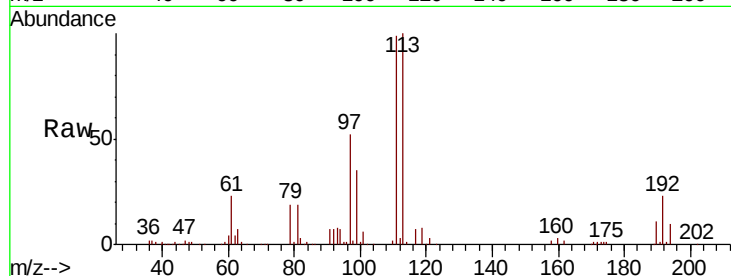
ClientSampleId :

VX0805WBS01

Tot Ion:	113	Resp:	78306
Ion Ratio	Lower	Upper	
113	100		
111	100.8	81.9	122.9
192	22.1	17.8	26.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.095 ug/l

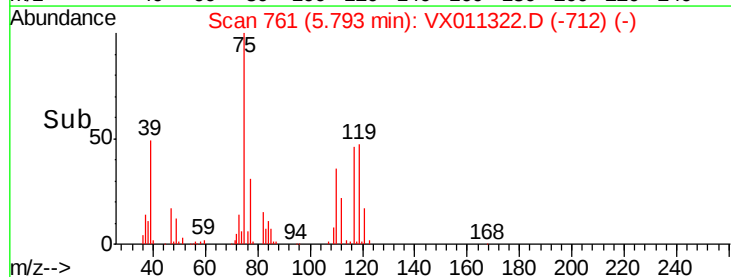
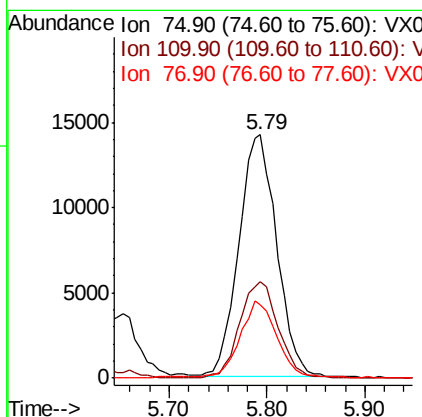
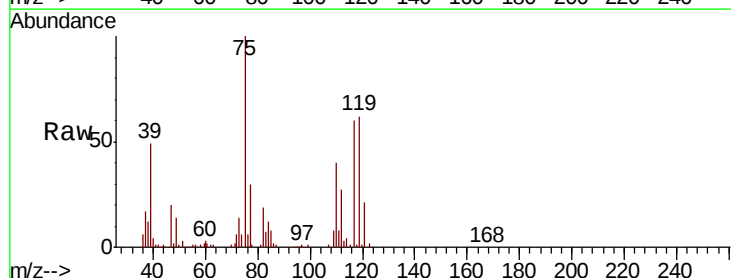
RT: 5.79 min Scan# 761

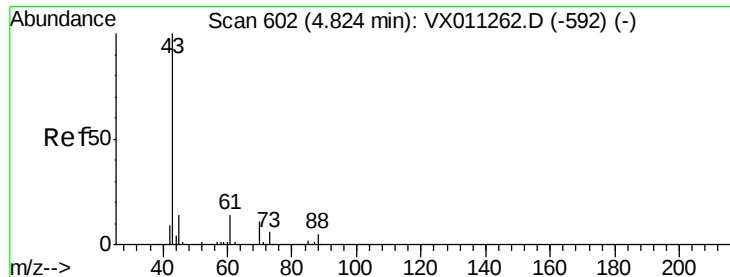
Delta R.T. 0.00 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Tgt Ion:	75	Resp:	38531
Ion Ratio	Lower	Upper	
75	100		
110	40.2	20.0	59.9
77	31.1	24.8	37.2





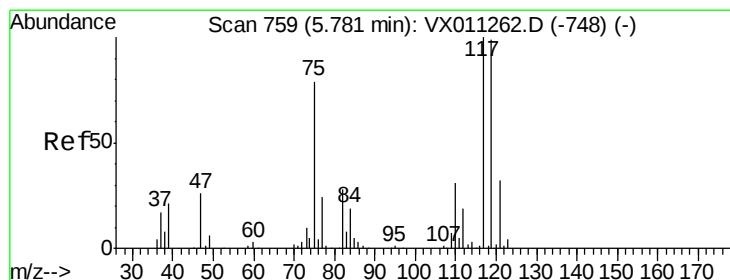
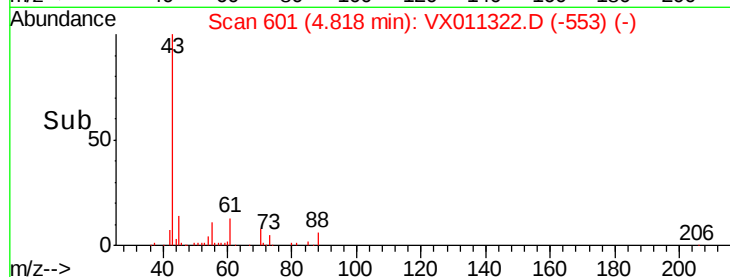
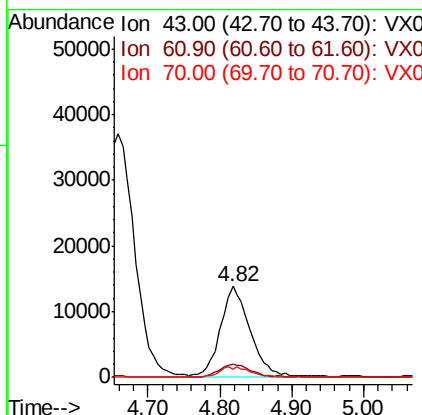
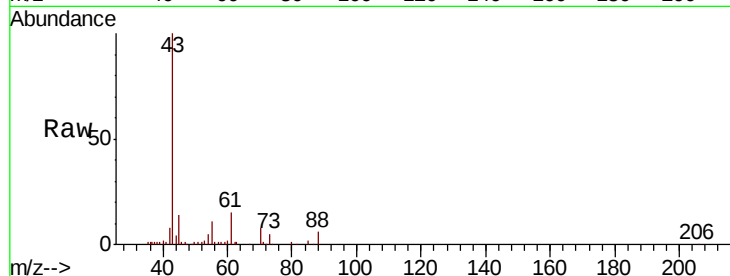
#37
Ethyl Acetate
Concen: 19.341 ug/l
RT: 4.82 min Scan# 601
Delta R.T. -0.01 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion:	43	Resp:	39148
Ion Ratio	Lower	Upper	
43	100		
61	16.4	12.6	18.8
70	12.3	9.1	13.7

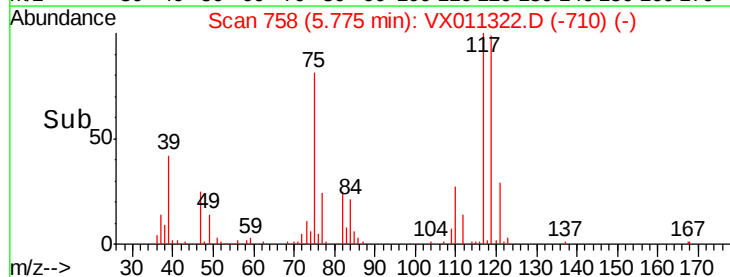
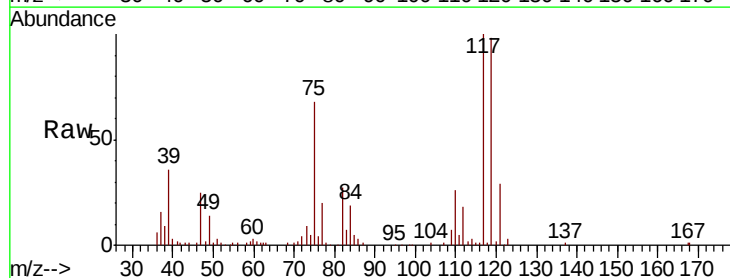
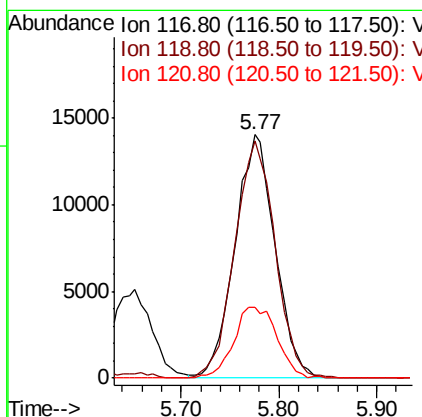
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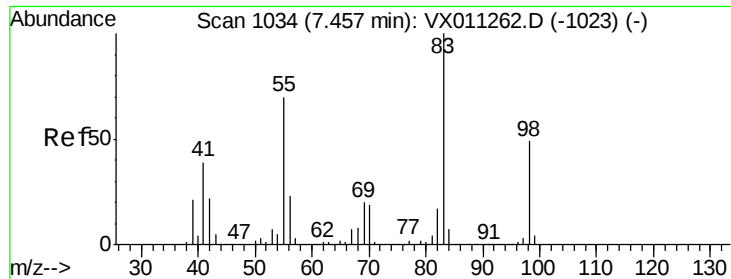
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8/6/2019 4:48:38 PM



#38
Carbon Tetrachloride
Concen: 19.694 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion:	117	Resp:	39980
Ion Ratio	Lower	Upper	
117	100		
119	97.6	79.0	118.4
121	29.0	25.9	38.9





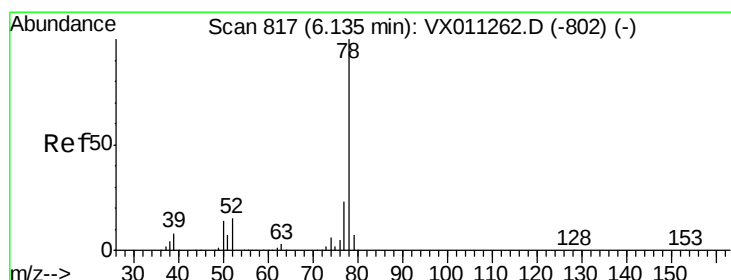
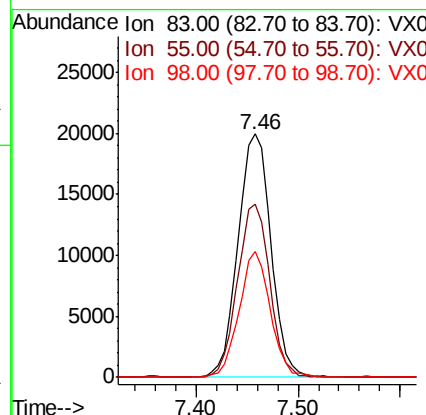
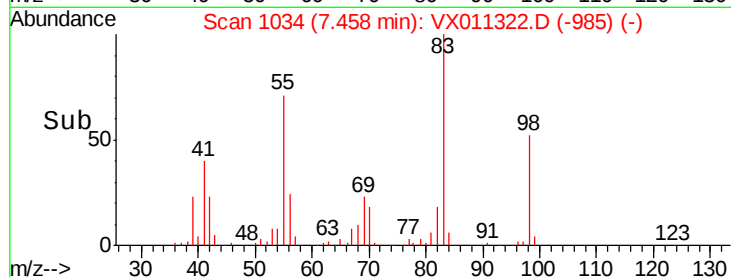
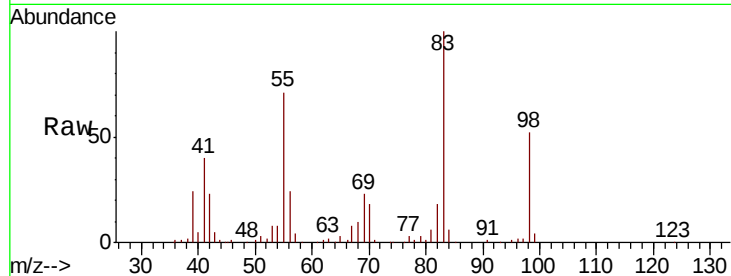
#39
Methvlcvclohexane
Concen: 18.709 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.9	56.1	84.1
98	51.6	39.0	58.4

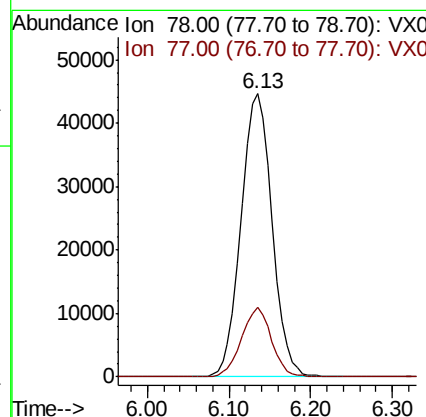
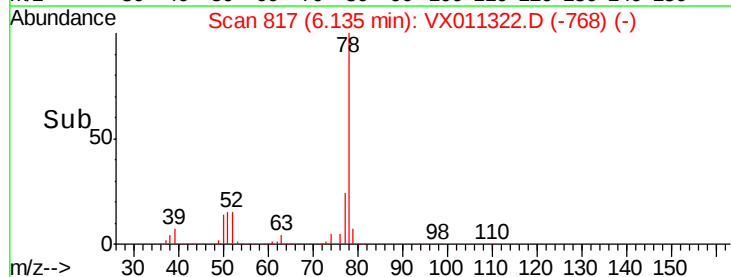
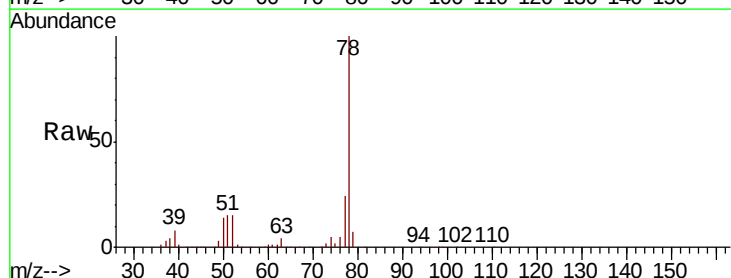
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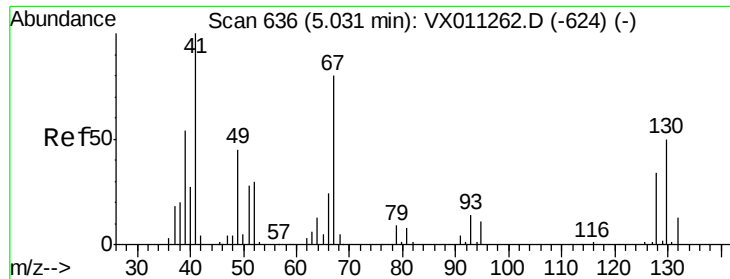
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#40
Benzene
Concen: 19.614 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.2	27.2





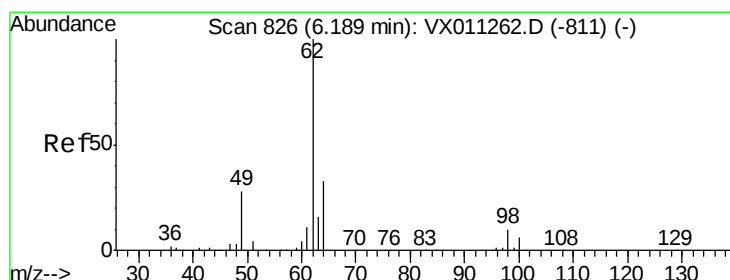
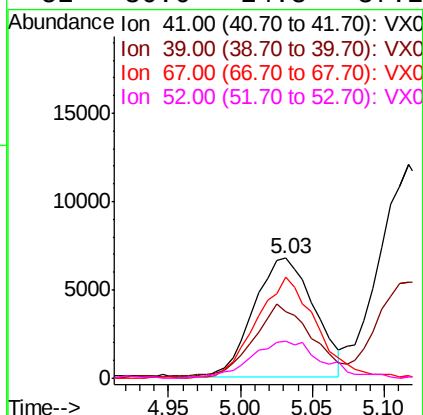
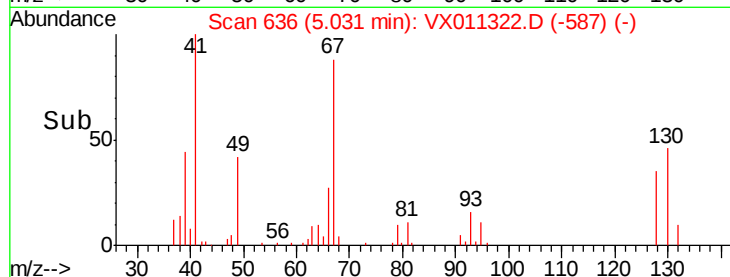
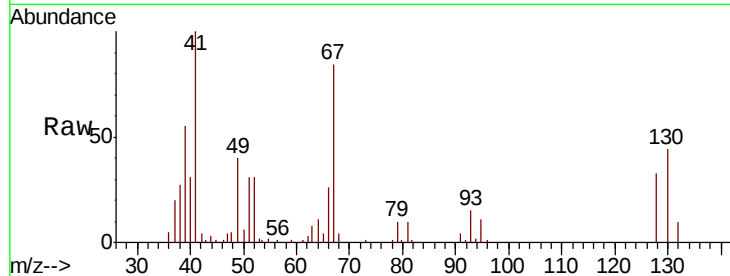
#41
Methacrylonitrile
Concen: 17.917 ug/l
RT: 5.03 min Scan# 636
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.6	43.0	64.6	
67	84.7	65.1	97.7	
52	36.6	24.8	37.2	

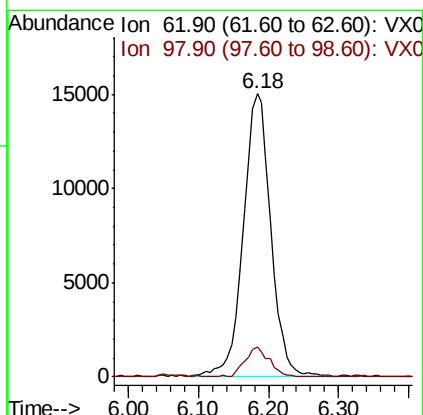
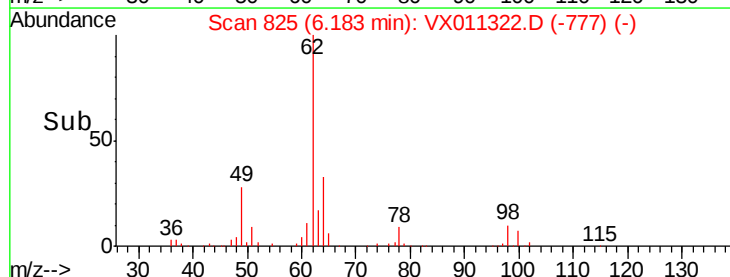
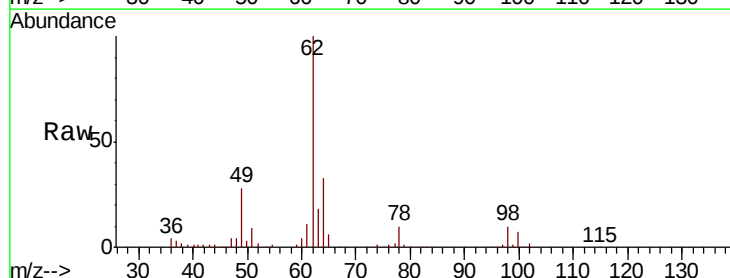
Manual Integrations
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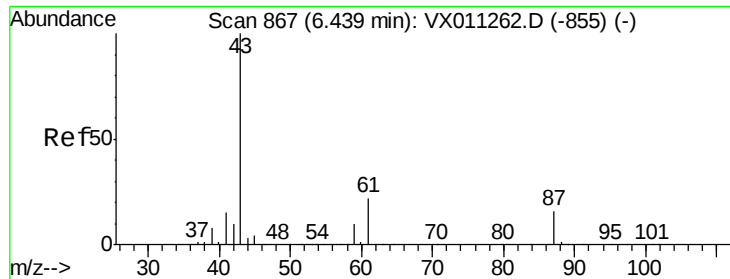
MMDadoda
8/6/2019 4:48:38 PM



#42
1,2-Dichloroethane
Concen: 20.163 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	20.6	





#43

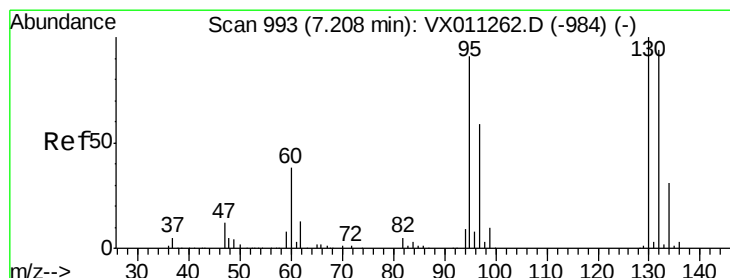
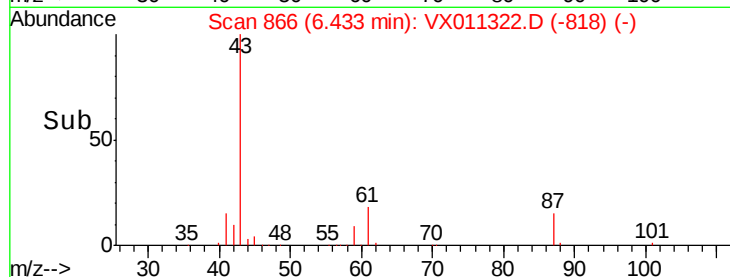
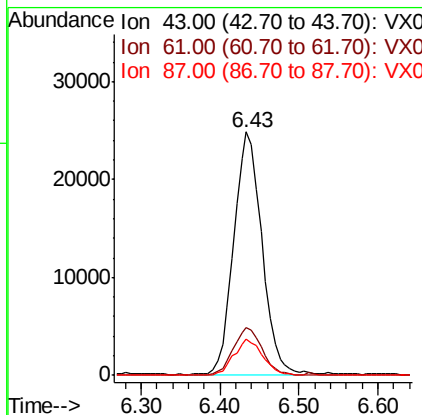
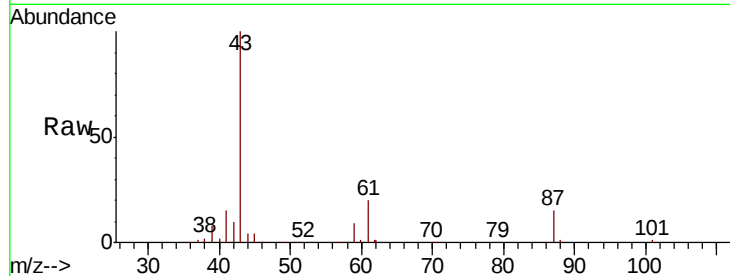
Isopropyl Acetate
 Concen: 19.008 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VX011322.D
 Acq: 05 Aug 2019 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.5	24.7
87	15.2	12.1	18.1

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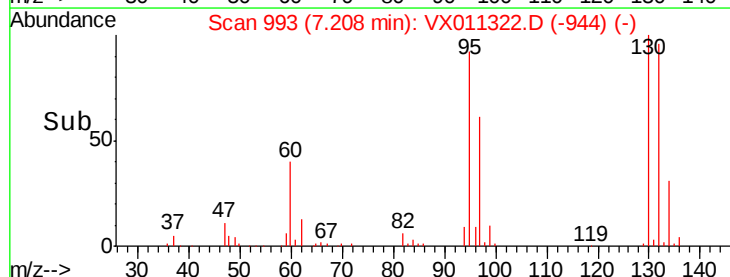
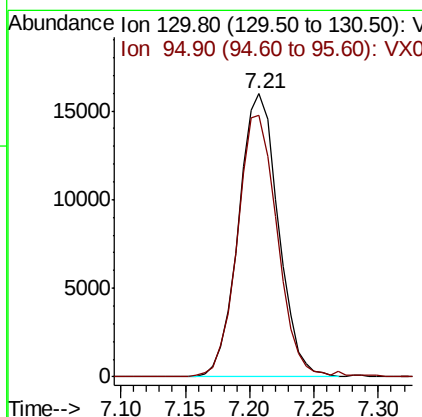
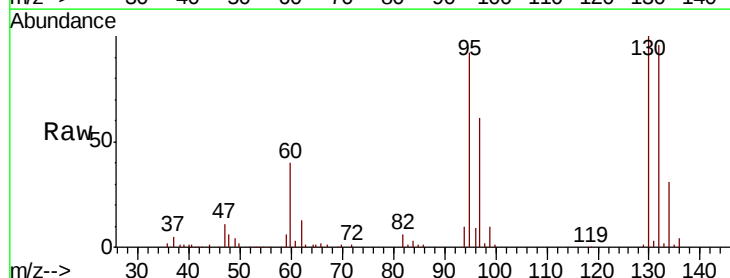
MMDadoda
 8/6/2019 4:48:38 PM



#44

Trichloroethene
 Concen: 18.679 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011322.D
 Acq: 05 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	182.6





#45

1,2-Dichloropropane

Concen: 19.092 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBS01

Tot Ion: 63 Resp: 29773

Ion Ratio Lower Upper

63 100

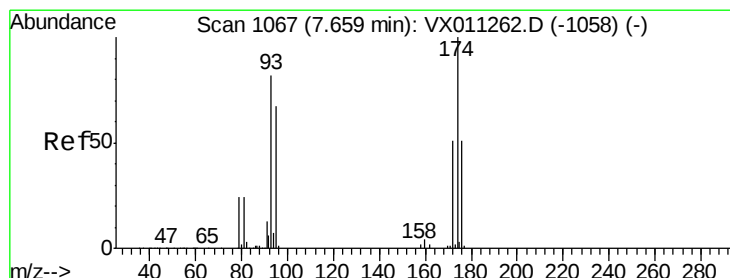
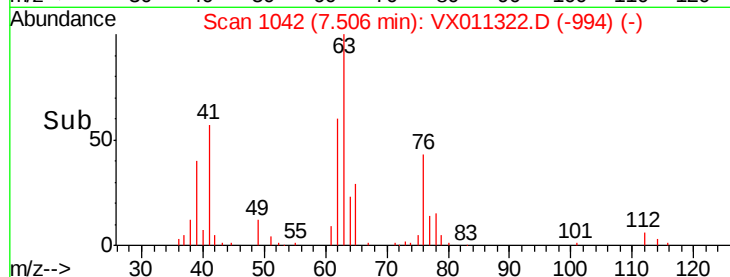
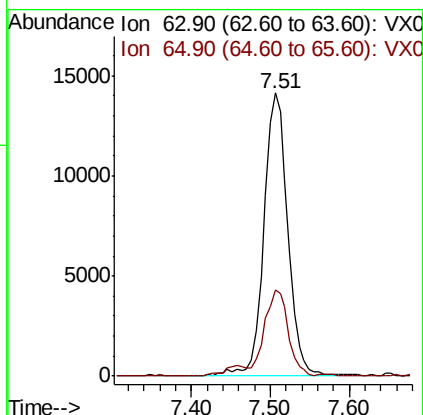
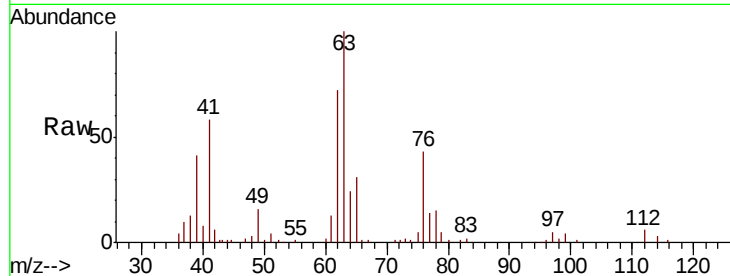
65 30.6 23.3 34.9

Manual Integrations

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#46

Dibromomethane

Concen: 19.254 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

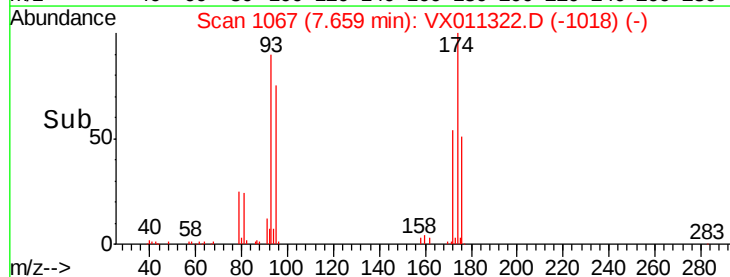
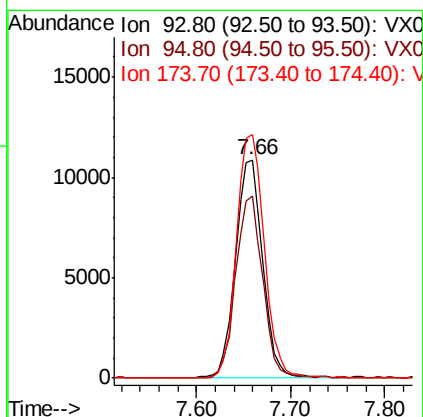
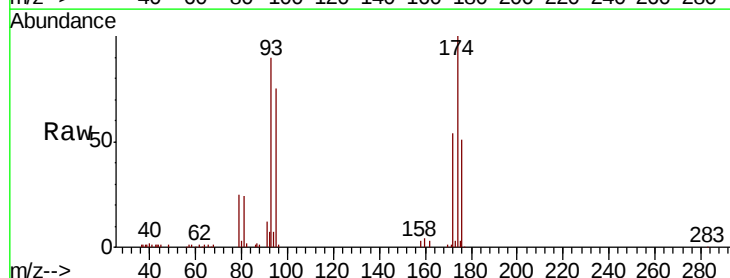
Tgt Ion: 93 Resp: 21919

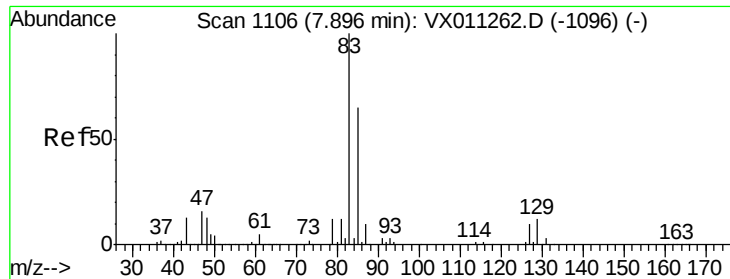
Ion Ratio Lower Upper

93 100

95 82.5 66.4 99.6

174 114.3 93.4 140.2





#47

Bromodichloromethane

Concen: 20.030 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

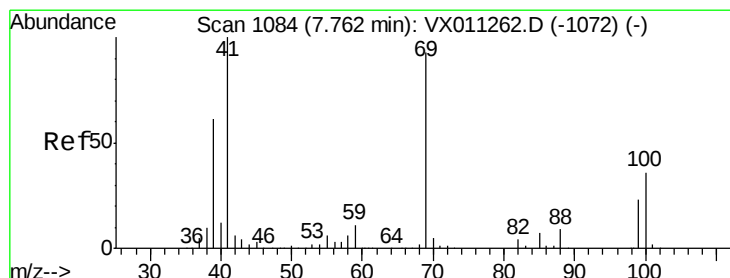
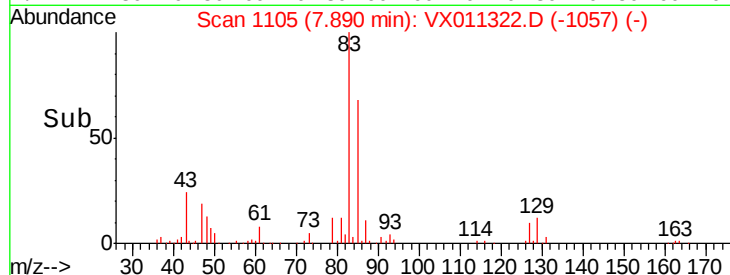
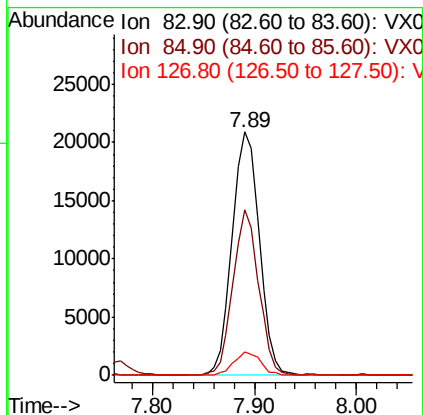
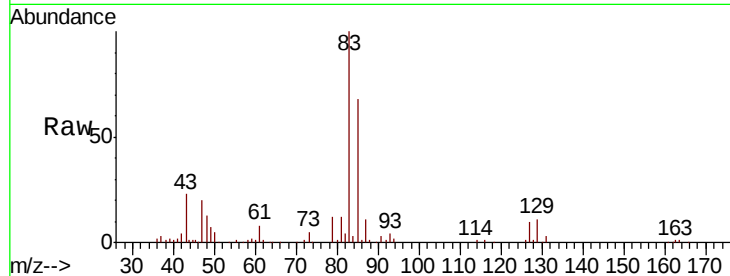
ClientSampleId :

VX0805WBS01

Tot Ion:	83	Resp:	38606
Ion	Ratio	Lower	Upper
83	100		
85	67.8	52.2	78.2
127	9.6	7.8	11.8

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#48

Methyl methacrylate

Concen: 18.688 ug/l

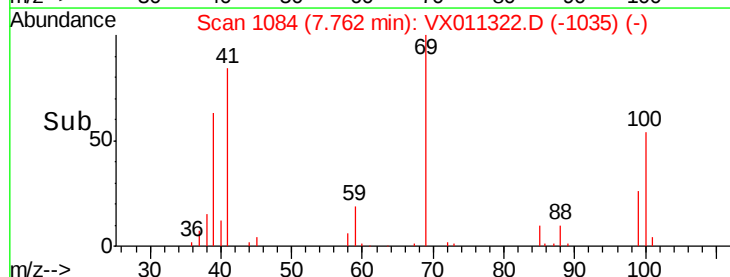
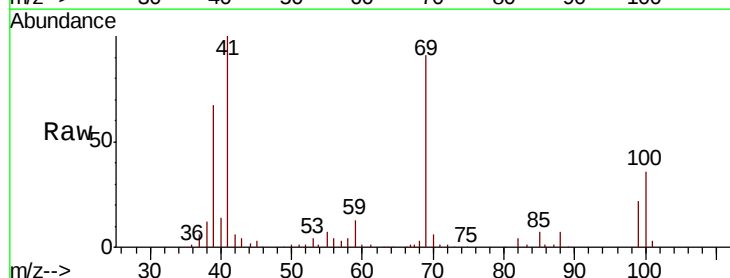
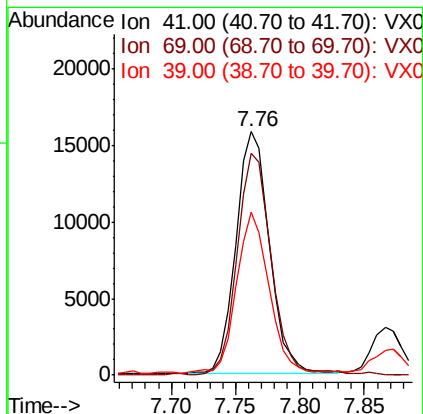
RT: 7.76 min Scan# 1084

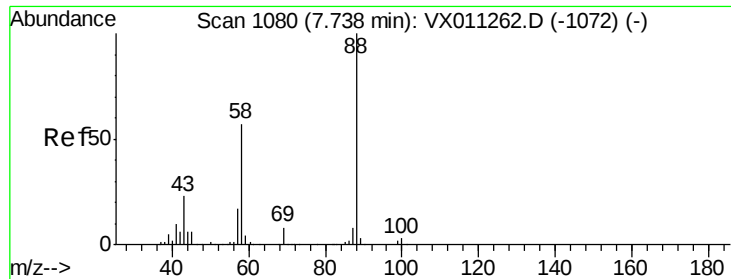
Delta R.T. 0.00 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Tgt Ion:	41	Resp:	28460
Ion	Ratio	Lower	Upper
41	100		
69	93.5	74.5	111.7
39	64.3	48.6	72.8





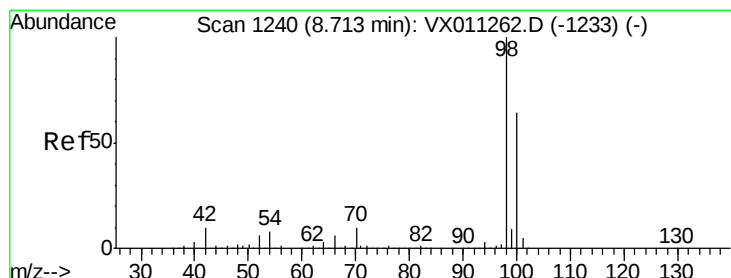
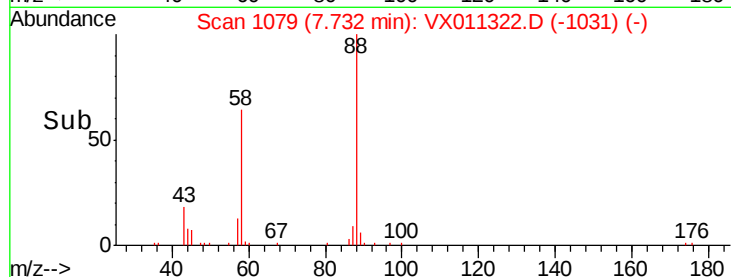
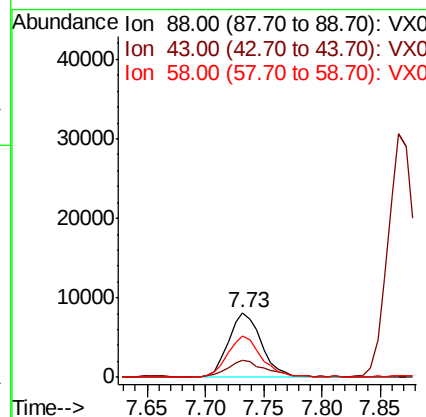
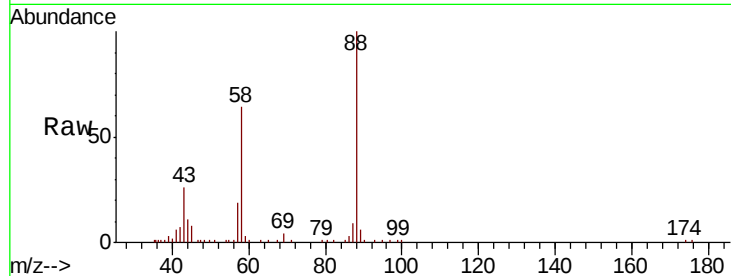
#49
1,4-Dioxane
Concen: 363.348 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	22.2	33.2
58	66.4	47.8	71.8

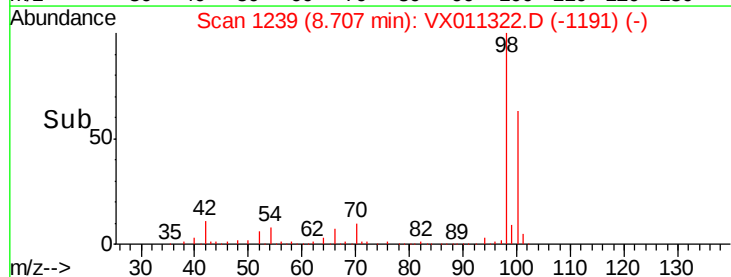
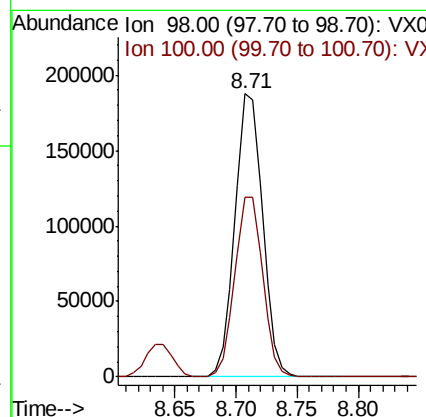
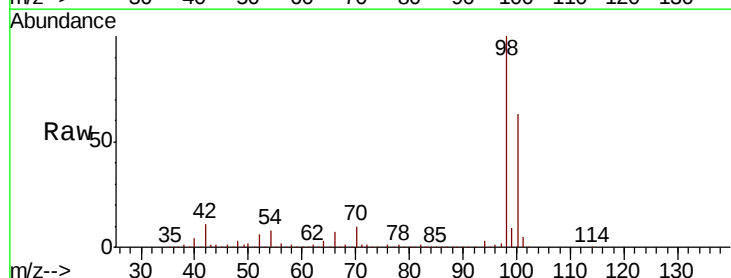
Manual Integrations
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#50
Toluene-d8
Concen: 51.558 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 97.888 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBS01

Tot Ion: 43 Resp: 204430

Ion Ratio Lower Upper

43 100

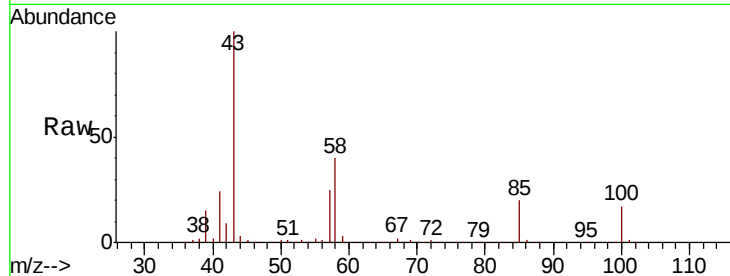
58 40.2 32.3 48.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

150000

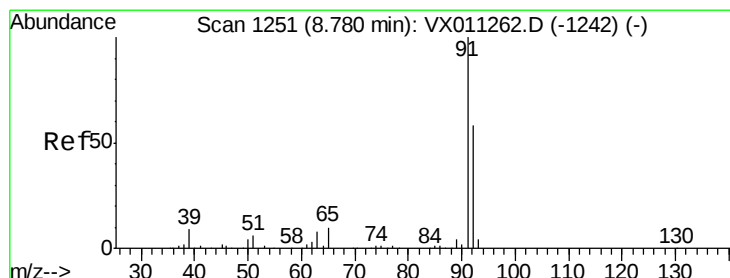
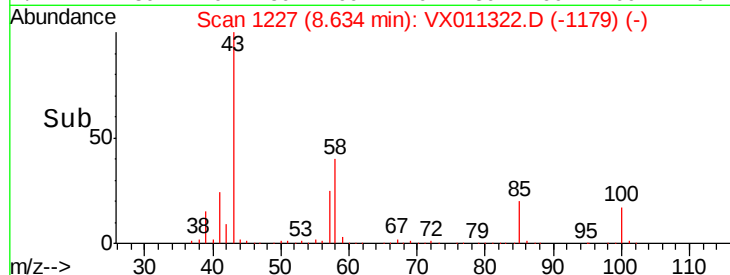
100000

50000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 19.580 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011322.D

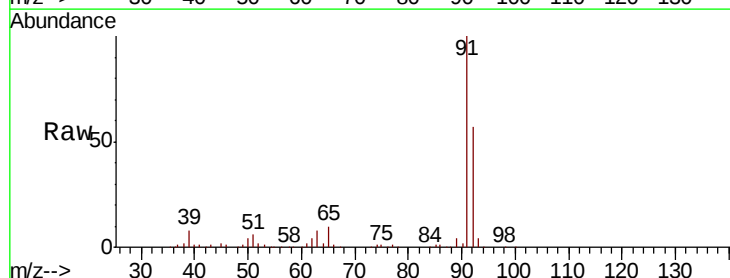
Acq: 05 Aug 2019 11:37

Tgt Ion: 92 Resp: 77951

Ion Ratio Lower Upper

92 100

91 174.9 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

100000

80000

60000

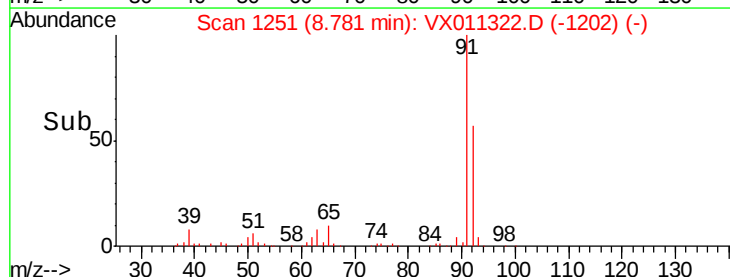
40000

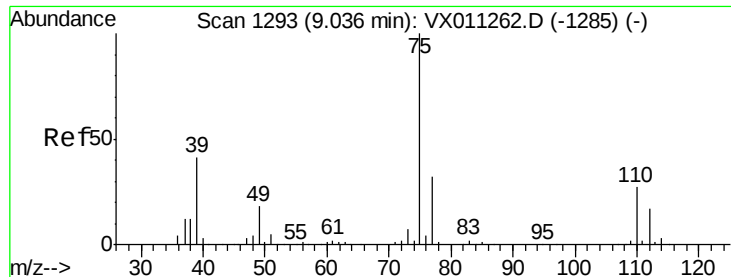
20000

0

8.70 8.75 8.80 8.85

Time-->





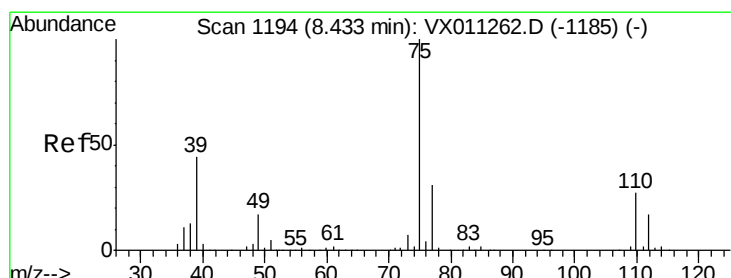
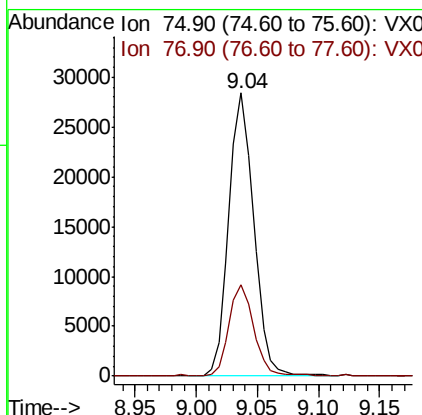
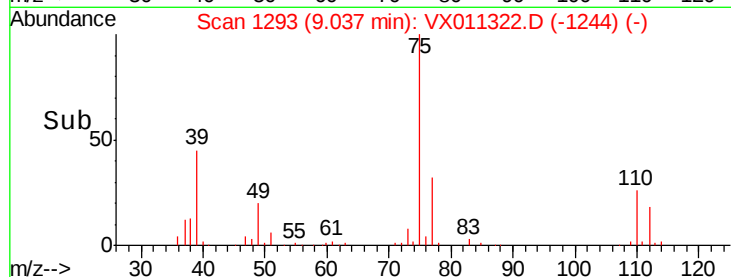
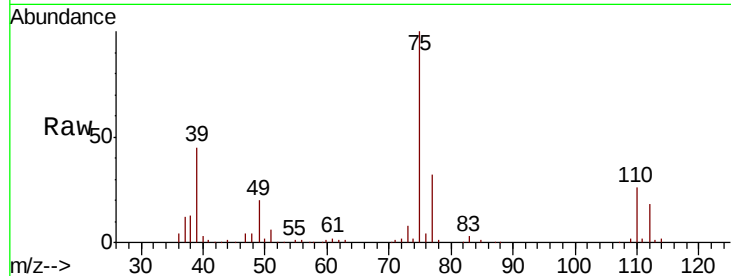
#53
t-1,3-Dichloropropene
Concen: 19.790 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion: 75 Resp: 40340
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0

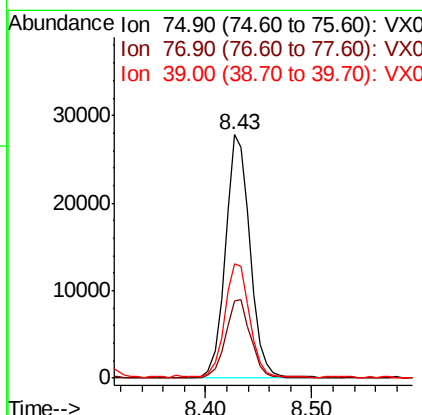
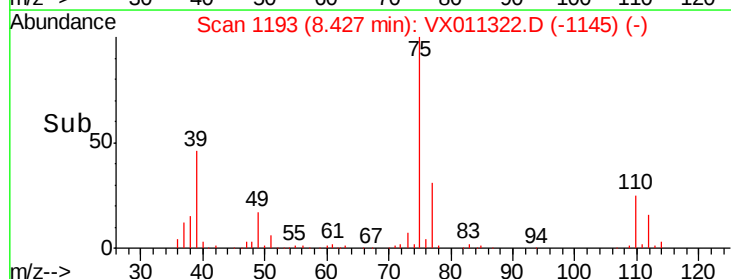
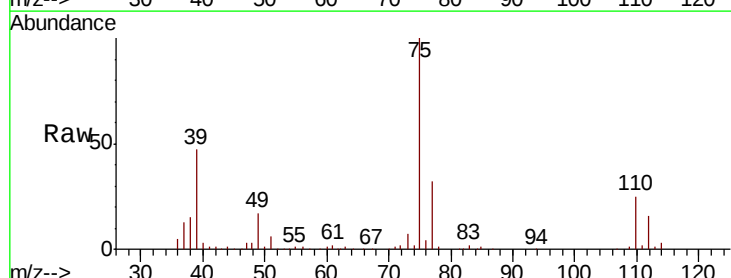
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 19.949 ug/l
RT: 8.43 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion: 75 Resp: 44915
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.6
39 46.3 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 19.498 ug/l

RT: 9.21 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBS01

Tot Ion: 97 Resp: 31916

Ion Ratio Lower Upper

97 100

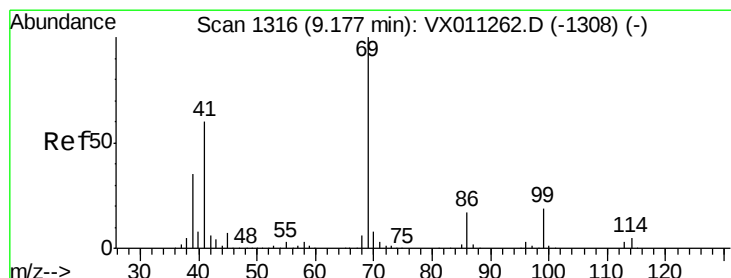
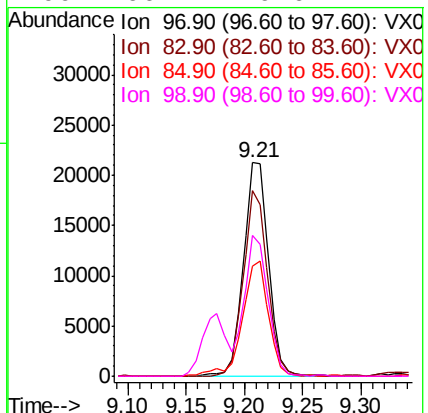
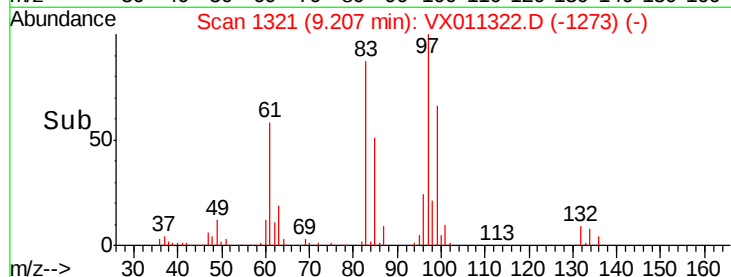
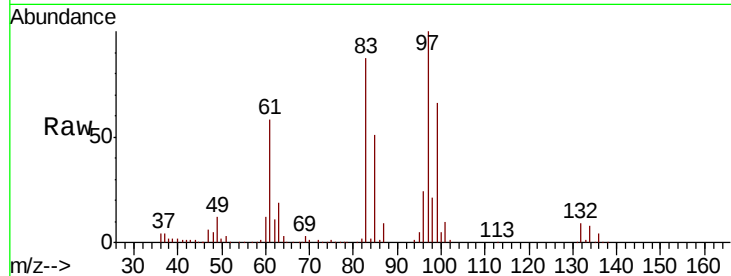
83 86.9 67.6 101.4

85 50.8 43.4 65.0

99 66.2 49.6 74.4

Manual Integrations
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8/6/2019 4:48:38 PM



#56

Ethyl methacrylate

Concen: 19.151 ug/l

RT: 9.17 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

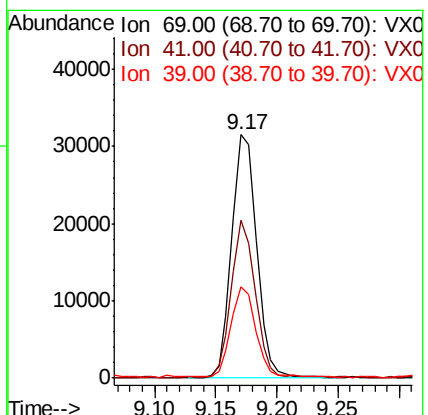
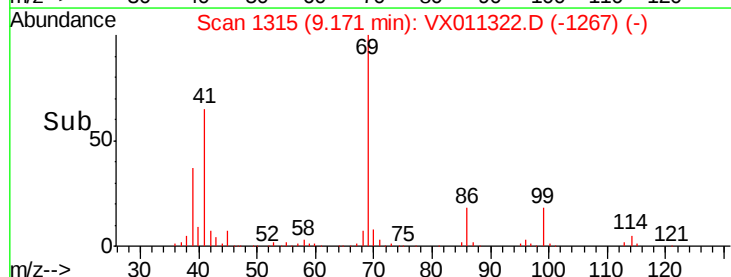
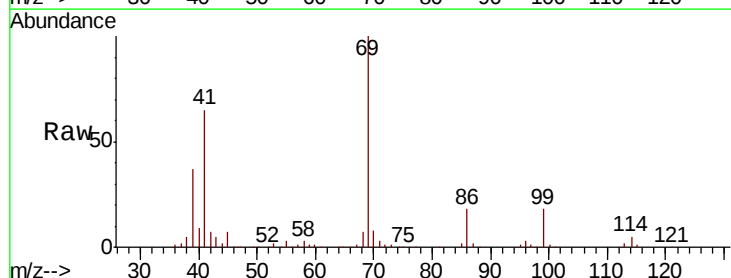
Tgt Ion: 69 Resp: 44672

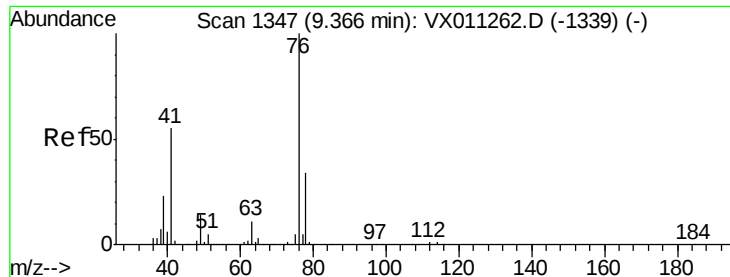
Ion Ratio Lower Upper

69 100

41 61.8 48.6 73.0

39 36.4 29.4 44.2





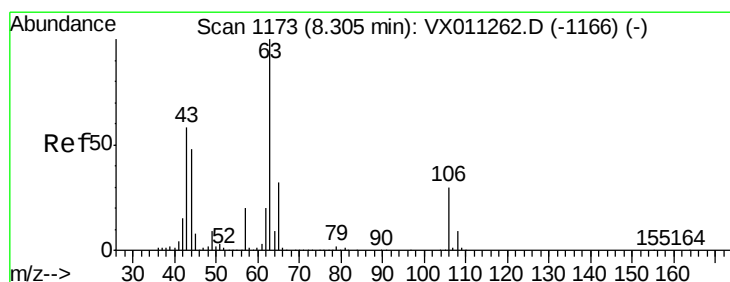
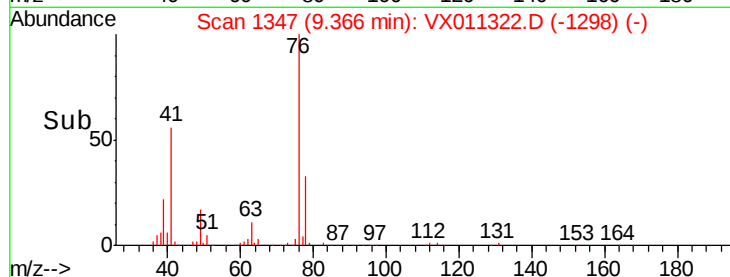
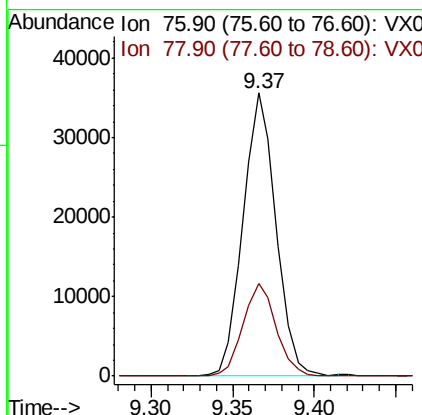
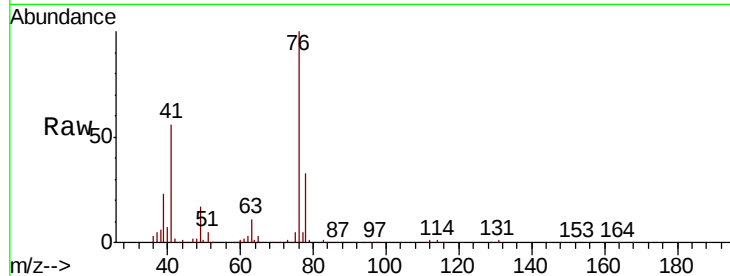
#57
 1,3-Dichloropropane
 Concen: 19.359 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011322.D
 Acq: 05 Aug 2019 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.6	40.0

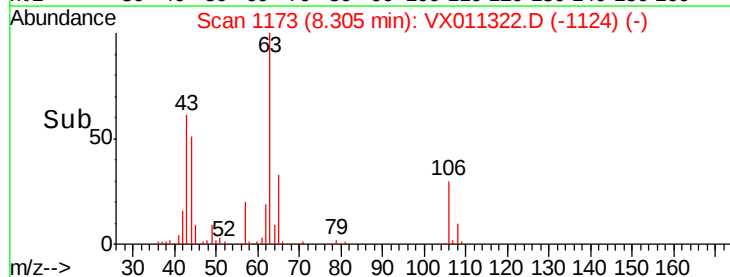
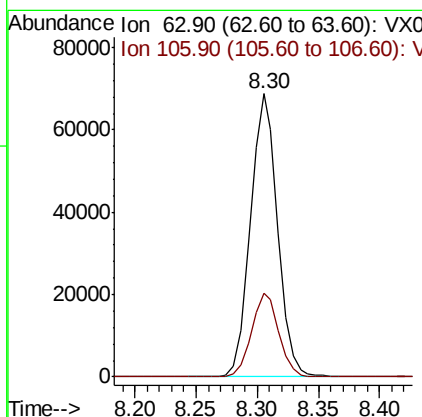
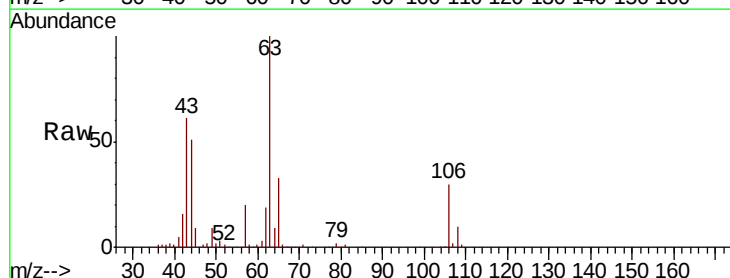
Manual Integrations
 APPROVED

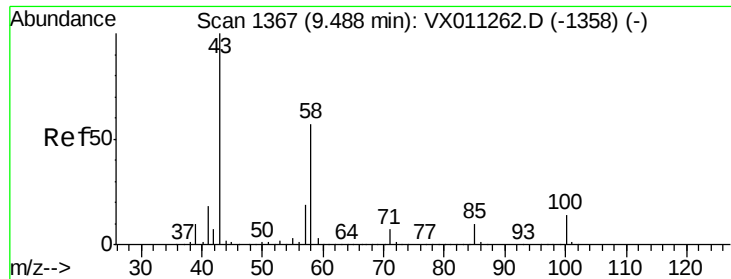
MMDadoda
 8/6/2019 4:48:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.523 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011322.D
 Acq: 05 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	24.4	36.6





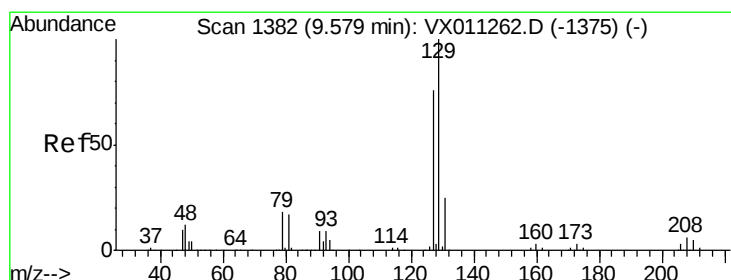
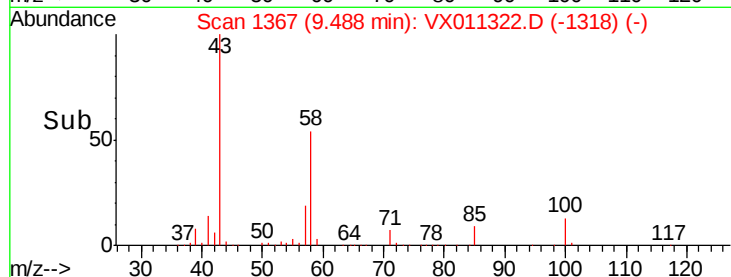
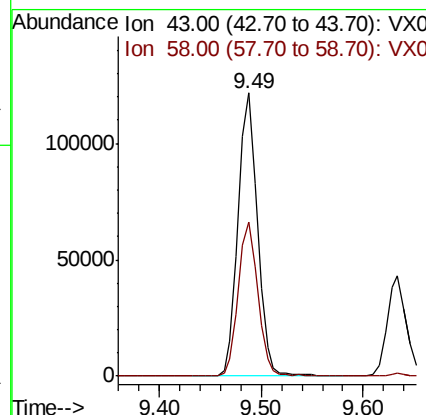
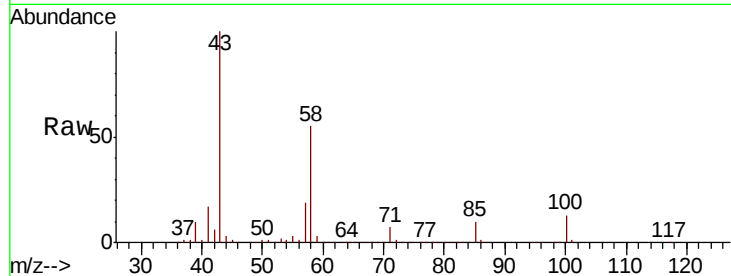
#59
2-Hexanone
Concen: 98.994 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampled :
VX0805WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.8	28.2	84.6

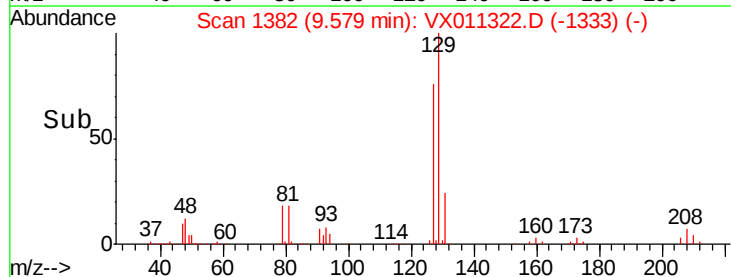
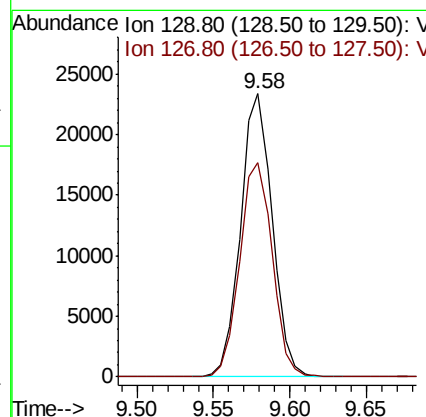
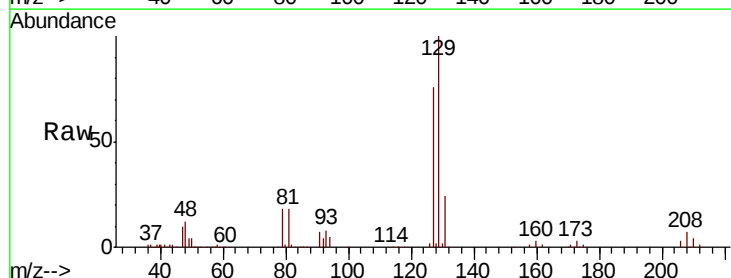
Manual Integrations
APPROVED

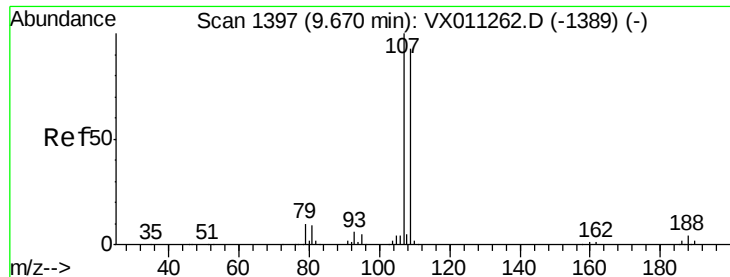
MMDadoda
8/6/2019 4:48:38 PM



#60
Dibromochloromethane
Concen: 19.958 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.2	117.6





#61

1,2-Dibromoethane

Concen: 19.644 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBS01

Tot Ion:107 Resp: 34740

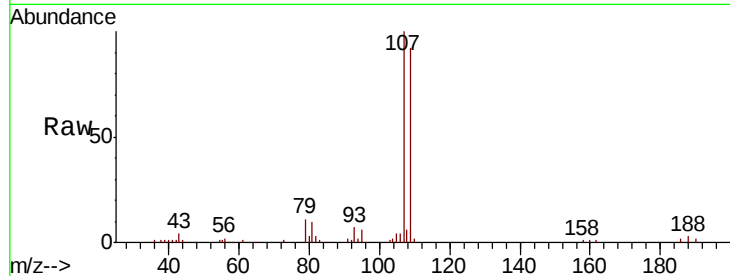
Ion Ratio Lower Upper

107 100

109 93.9 76.6 114.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.66

25000

20000

15000

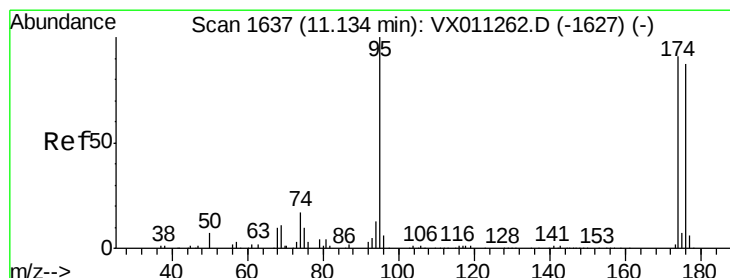
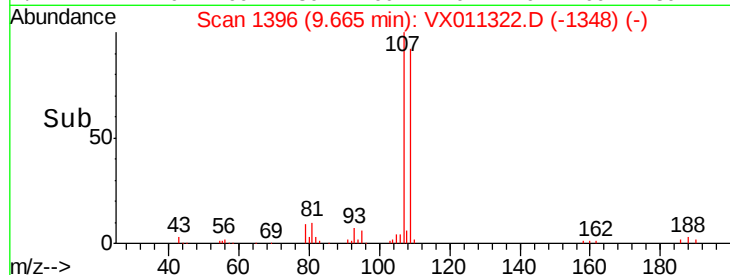
10000

5000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 51.078 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

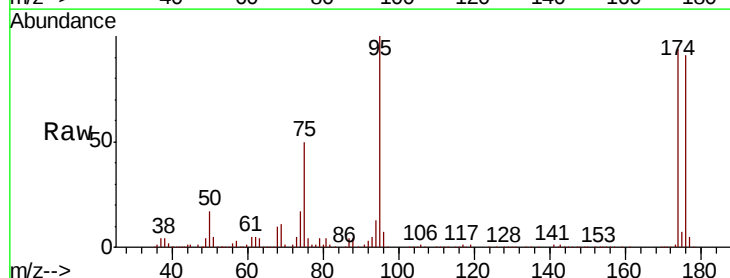
Tgt Ion: 95 Resp: 103868

Ion Ratio Lower Upper

95 100

174 94.1 0.0 191.2

176 91.4 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

100000

80000

60000

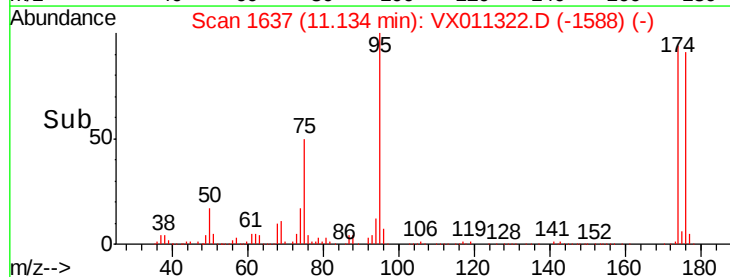
40000

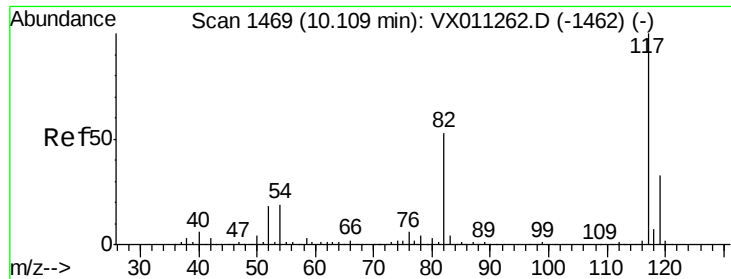
20000

0

11.10 11.20

Time-->





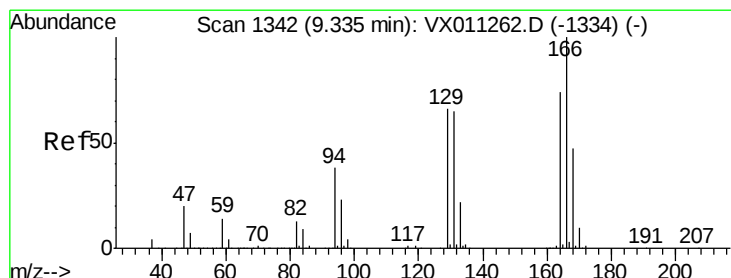
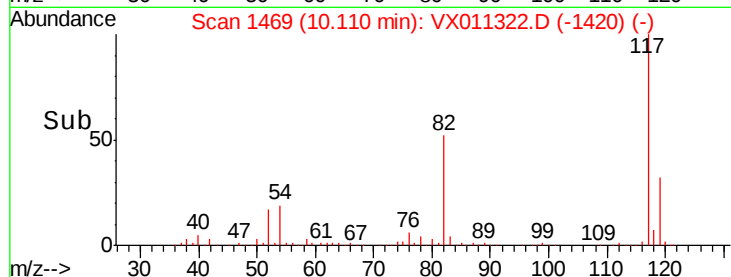
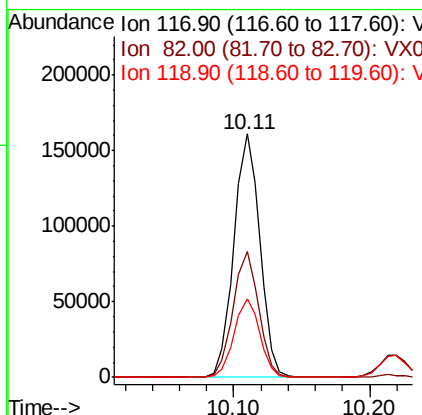
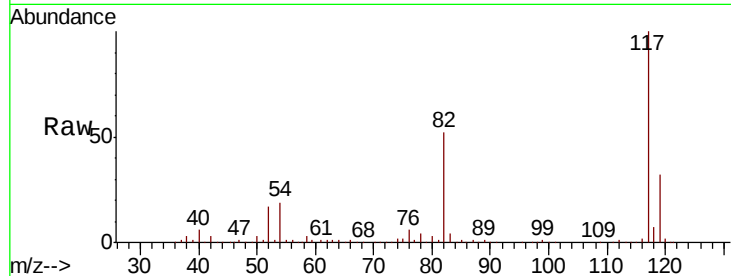
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	42.2	63.2
119	32.3	26.6	39.8

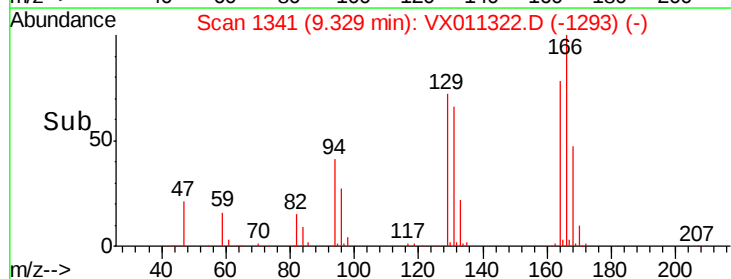
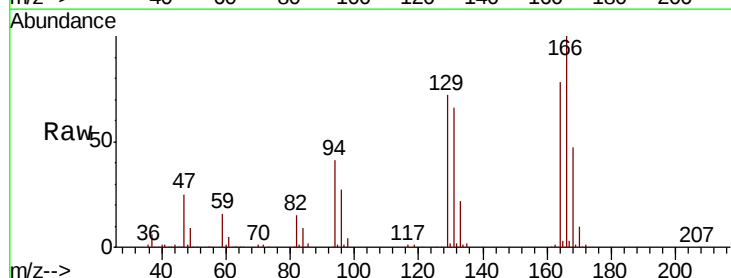
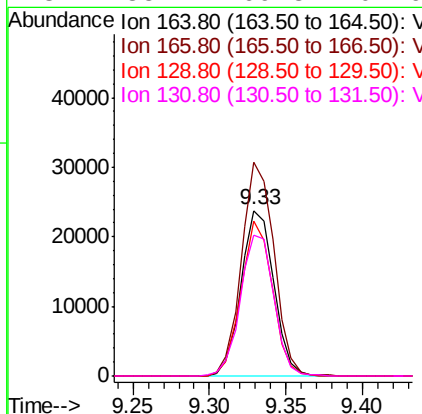
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#64
Tetrachloroethene
Concen: 19.334 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	107.5	161.3
129	93.4	71.0	106.4
131	85.4	69.8	104.6





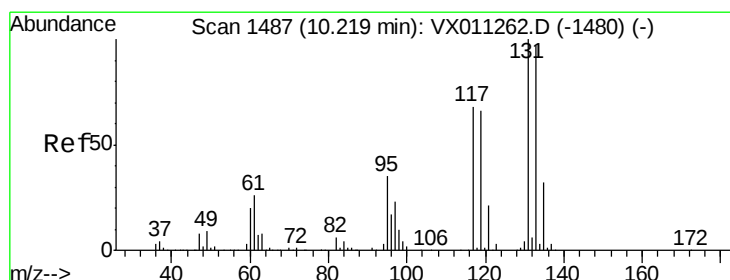
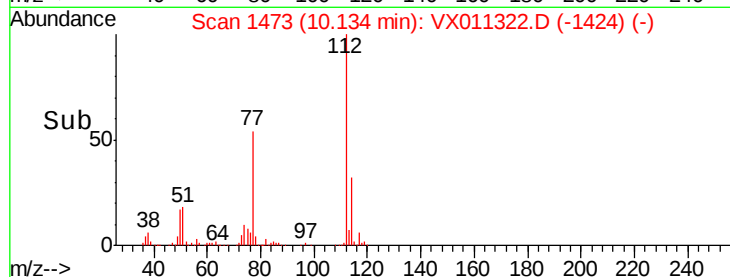
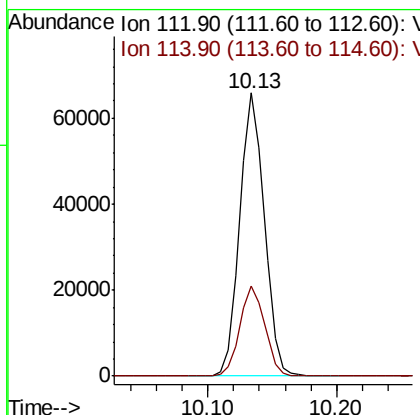
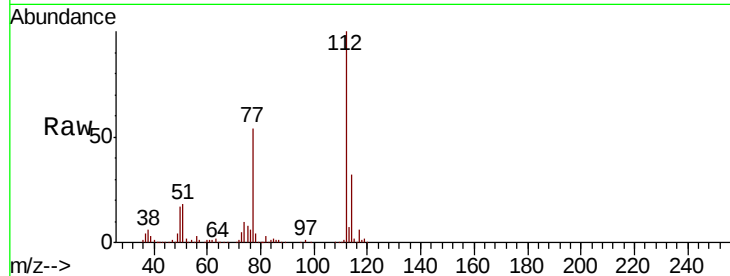
#65
Chlorobenzene
Concen: 19.028 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.9	38.9

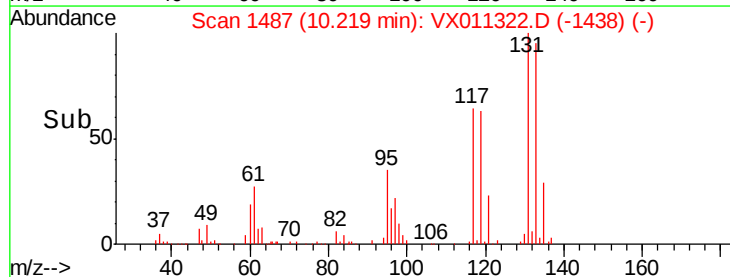
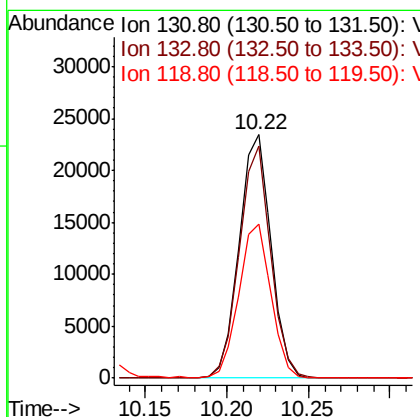
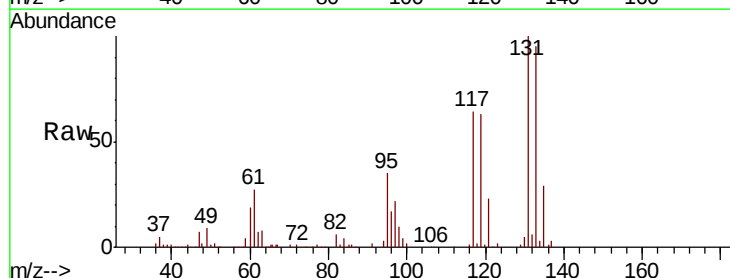
Manual Integrations
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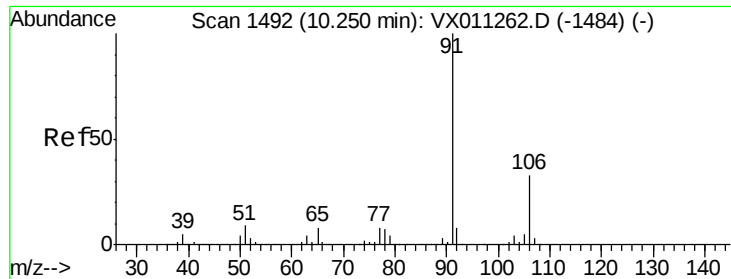
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.233 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.7	143.1
119	64.3	32.8	98.3





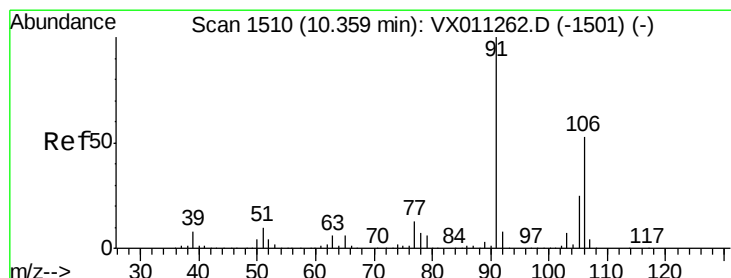
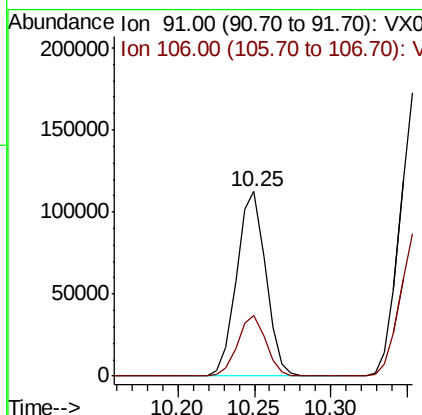
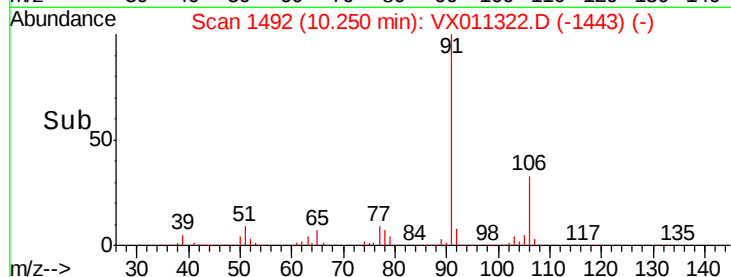
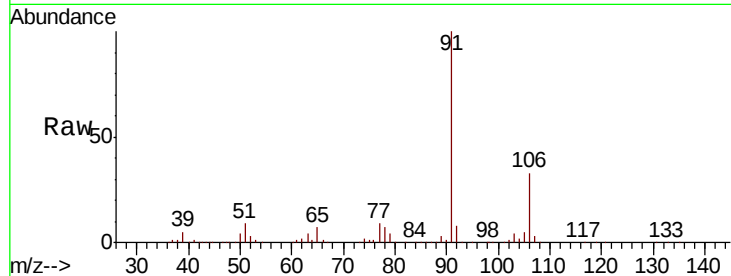
#67
Ethyl Benzene
Concen: 19.279 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion: 91 Resp: 148477
Ion Ratio Lower Upper
91 100
106 32.7 26.2 39.4

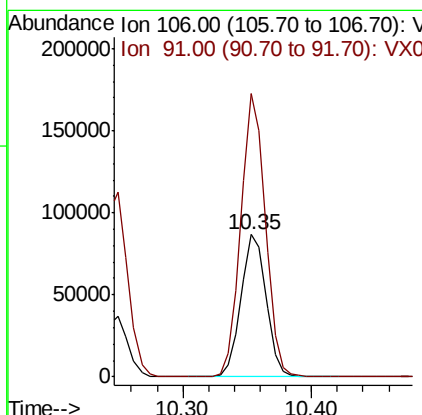
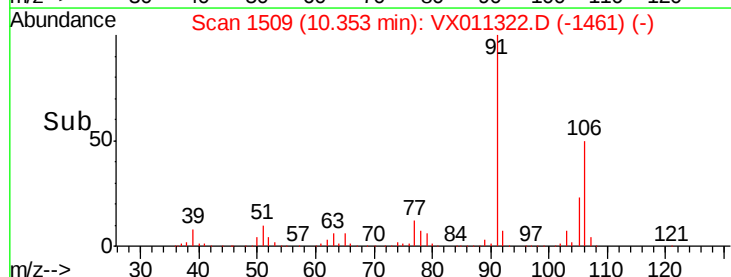
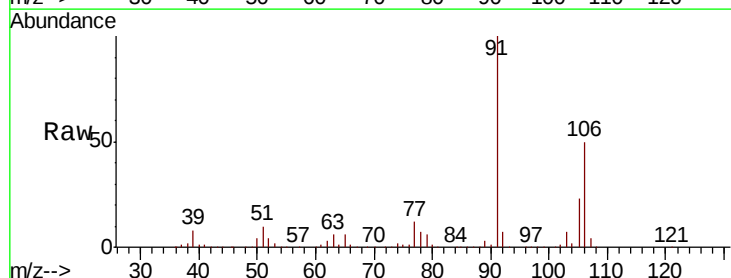
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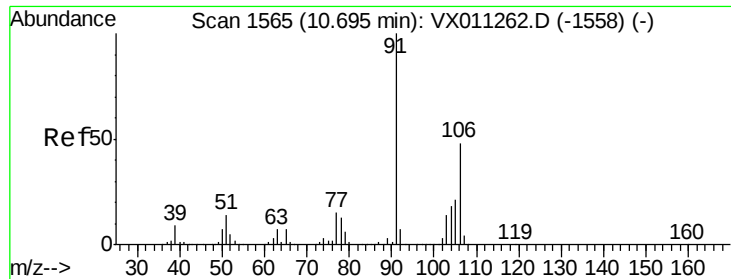
MMDadoda
8/6/2019 4:48:38 PM



#68
m/p-Xylenes
Concen: 39.280 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion: 106 Resp: 117012
Ion Ratio Lower Upper
106 100
91 194.2 155.9 233.9





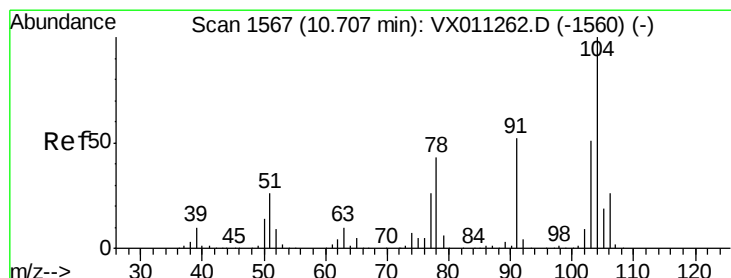
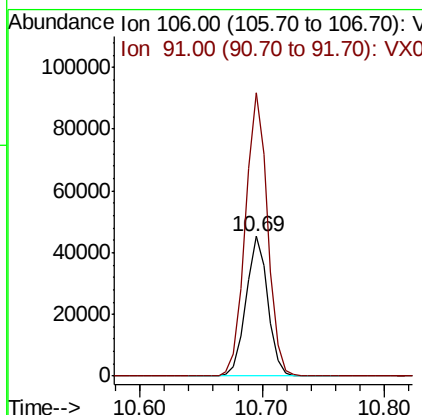
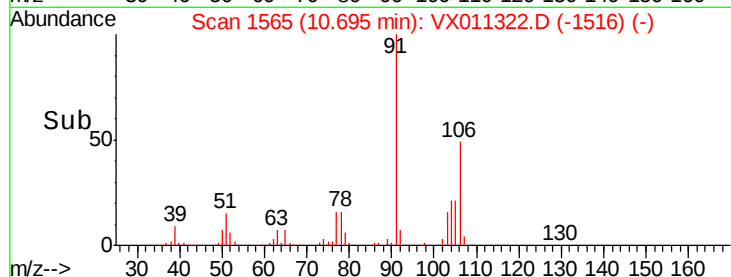
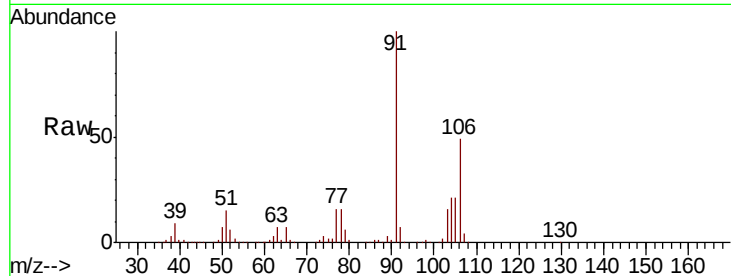
#69
o-Xylene
Concen: 19.130 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.4	103.8	311.3

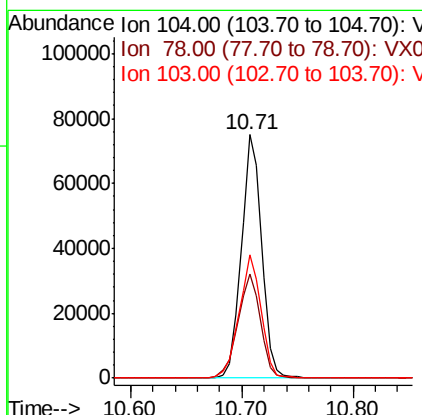
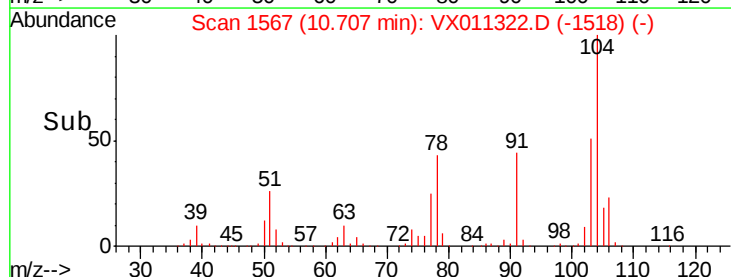
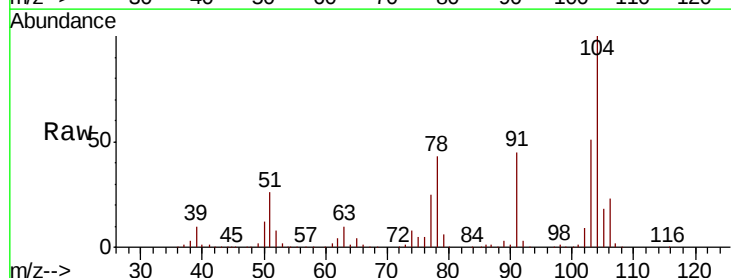
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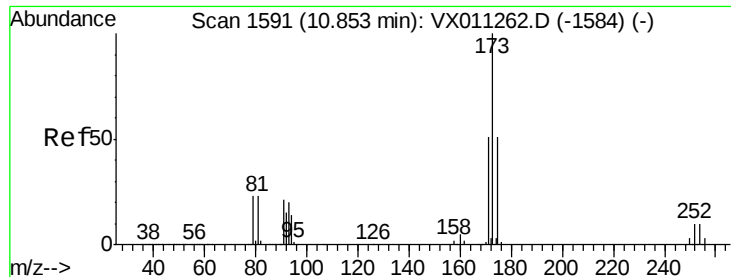
MMDadoda
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#70
Styrene
Concen: 19.569 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	36.9	55.3
103	54.7	44.4	66.6





#71

Bromoform

Concen: 19.058 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

ClientSampled :

VX0805WBS01

Tot Ion:173 Resp: 24208

Ion Ratio Lower Upper

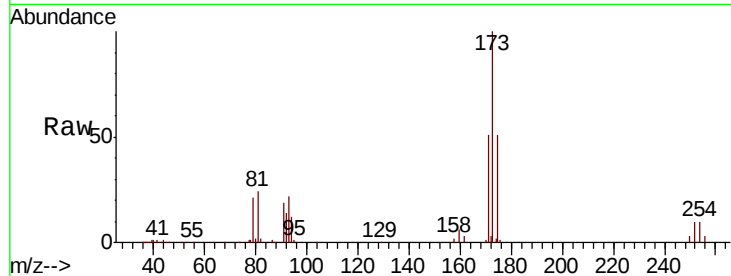
173 100

175 47.9 24.4 73.4

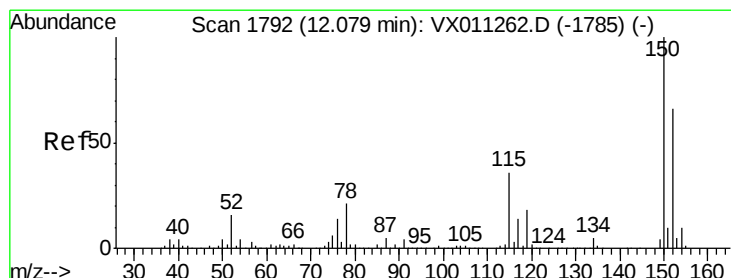
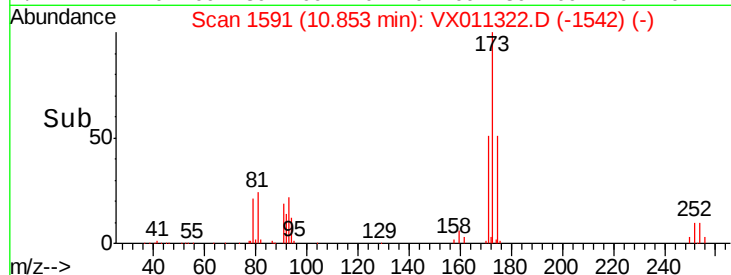
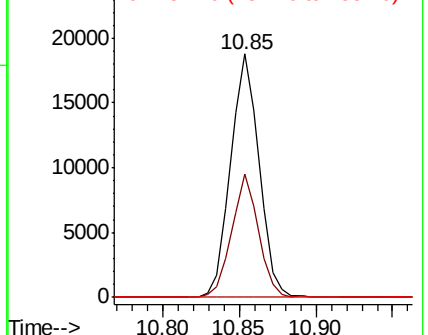
254 0.0 0.2 0.2#

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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# 1791

Delta R.T. -0.01 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

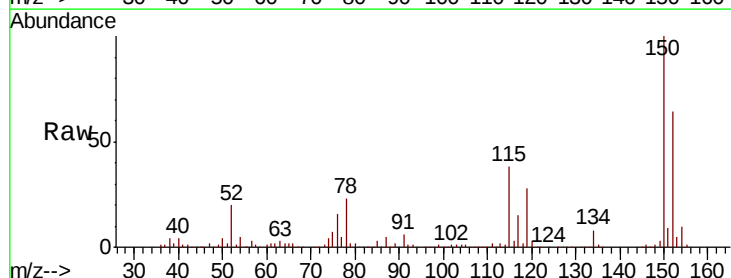
Tgt Ion:152 Resp: 114068

Ion Ratio Lower Upper

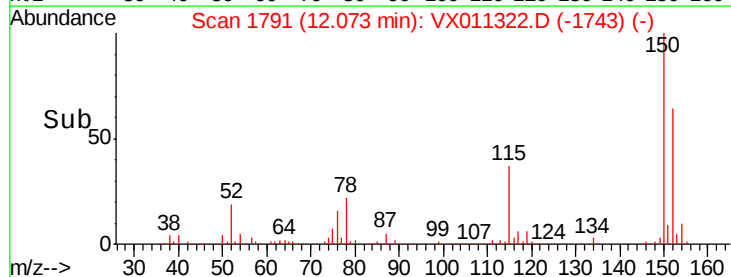
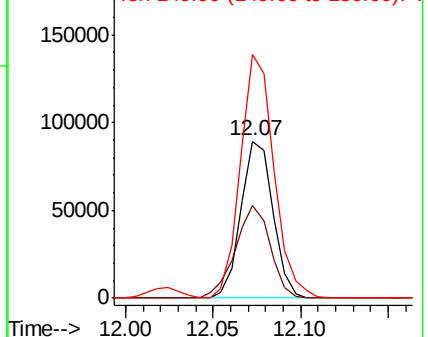
152 100

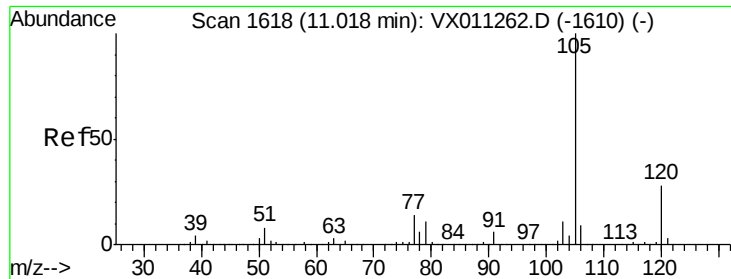
115 64.5 40.0 119.9

150 162.2 0.0 350.4



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: 19.509 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

ClientSampled :

VX0805WBS01

Tot Ion: 105 Resp: 152202

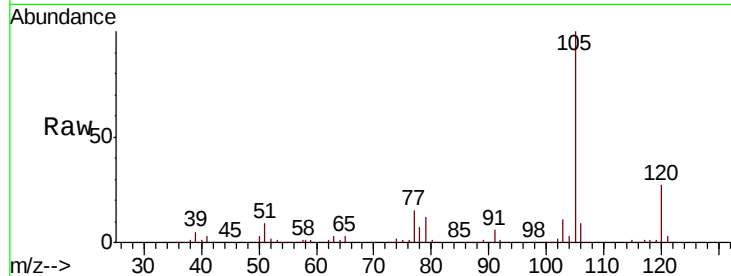
Ion Ratio Lower Upper

105 100

120 27.4 13.7 41.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

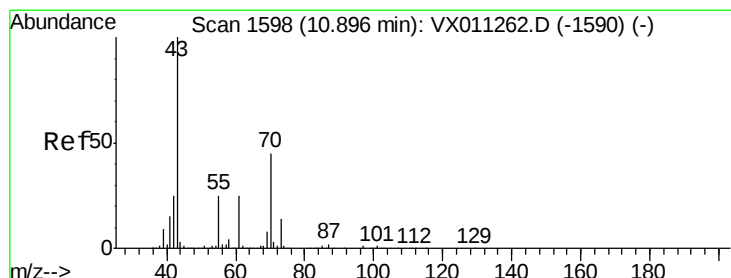
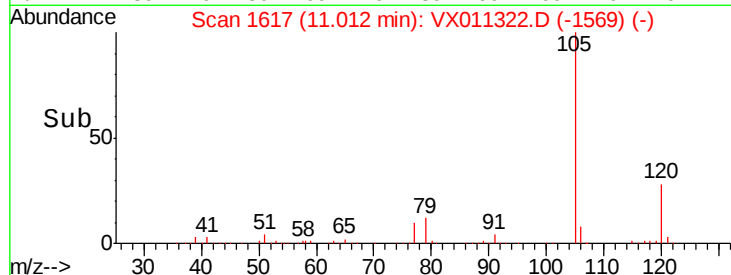
11.01

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.690 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Tgt Ion: 43 Resp: 55503

Ion Ratio Lower Upper

43 100

70 43.4 35.9 53.9

55 25.7 19.8 29.6

61 24.9 19.7 29.5

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

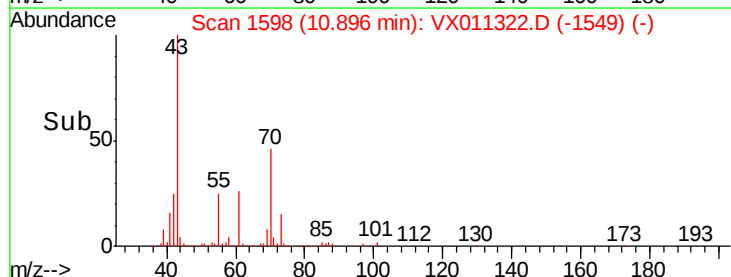
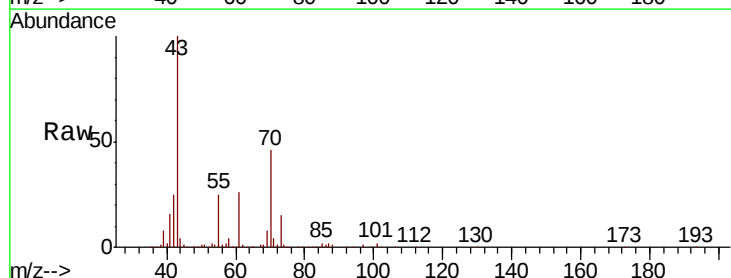
60000

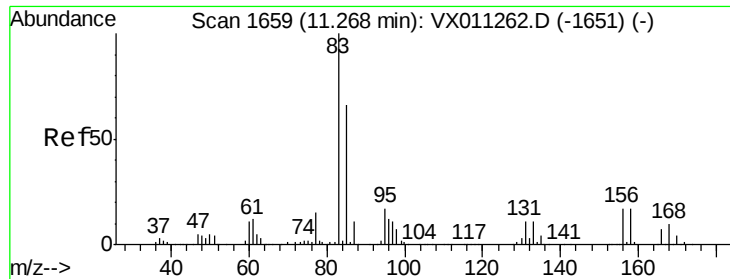
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.266 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

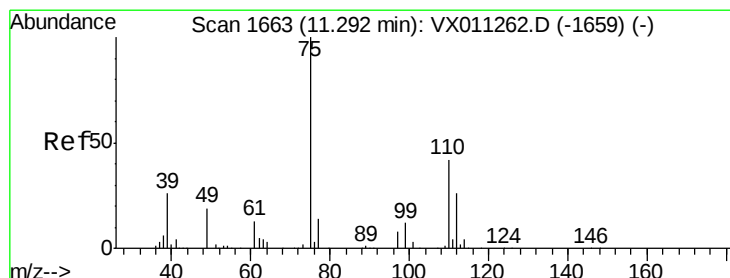
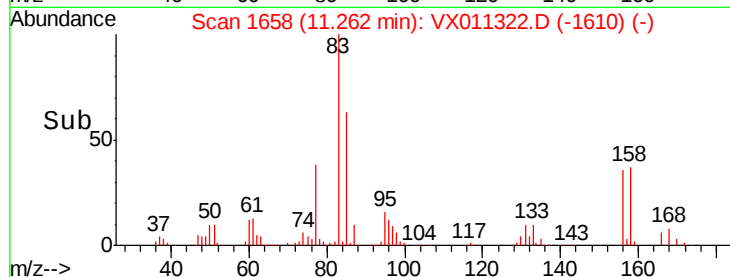
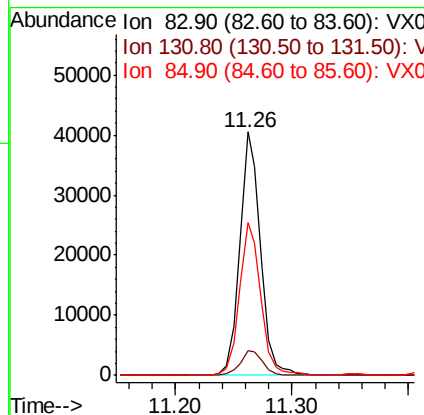
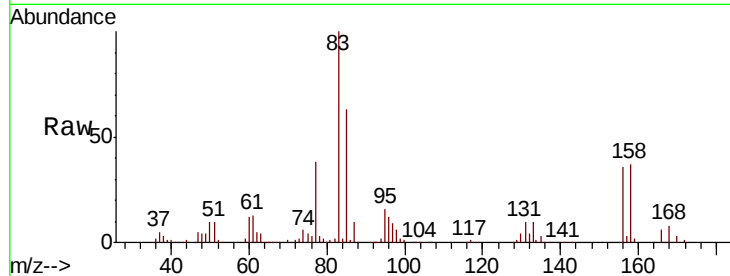
ClientSampled :

VX0805WBS01

Tot Ion:	83	Resp:	50087
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.6	16.8
85	64.3	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 20.061 ug/l m

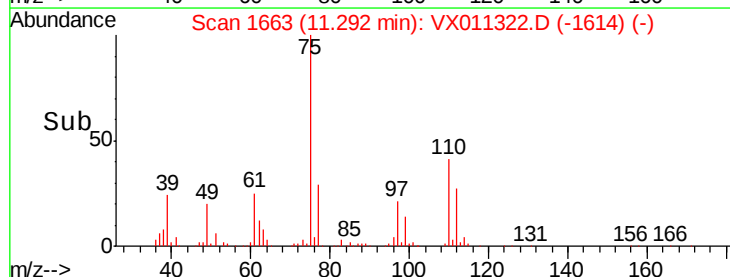
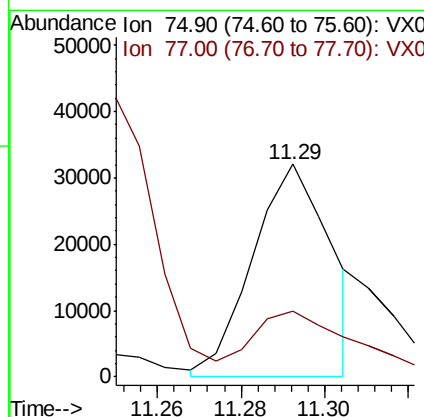
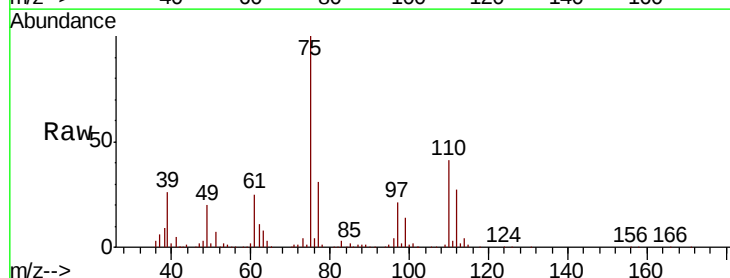
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Tgt Ion:	75	Resp:	41673
Ion Ratio	Lower	Upper	
75	100		
77	40.7	21.1	63.4





#77

Bromobenzene

Concen: 18.906 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

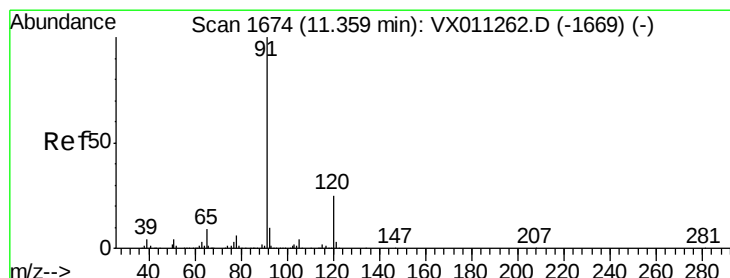
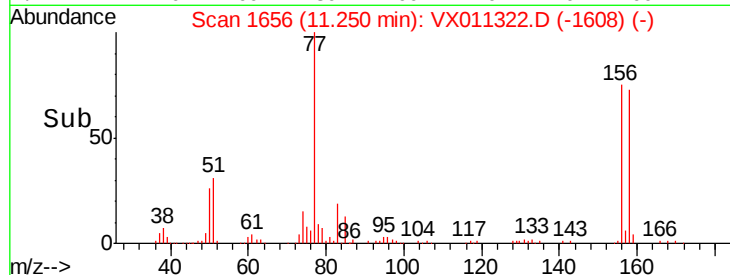
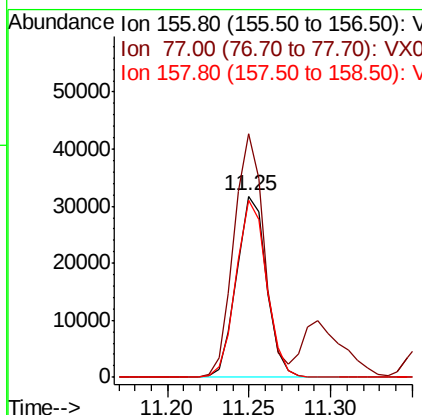
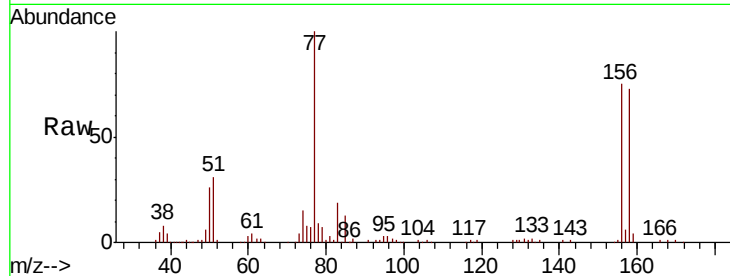
ClientSampleId :

VX0805WBS01

Tot Ion:	156	Resp:	40899
Ion	Ratio	Lower	Upper
156	100		
77	135.1	66.2	198.6
158	99.3	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 19.599 ug/l

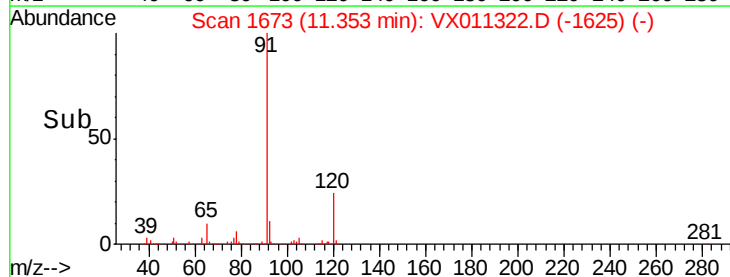
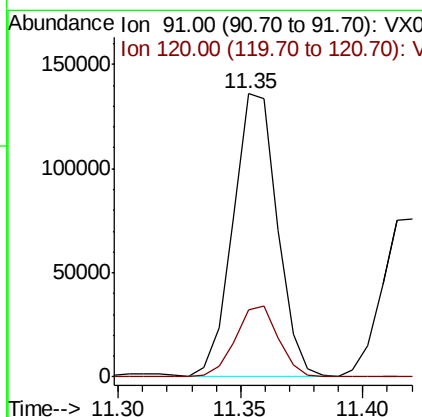
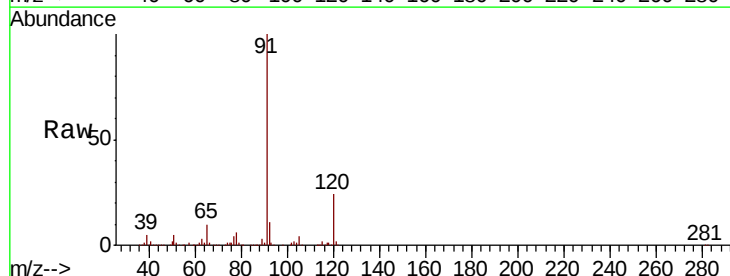
RT: 11.35 min Scan# 1673

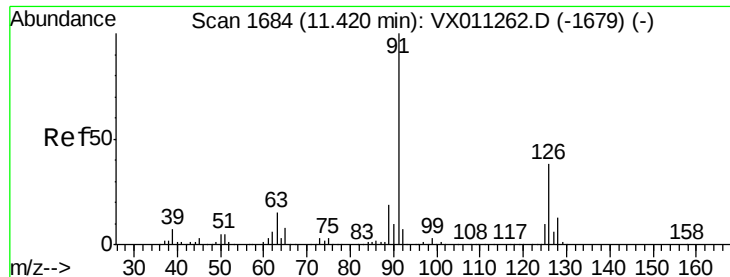
Delta R.T. -0.01 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Tgt Ion:	91	Resp:	170039
Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.4	37.0





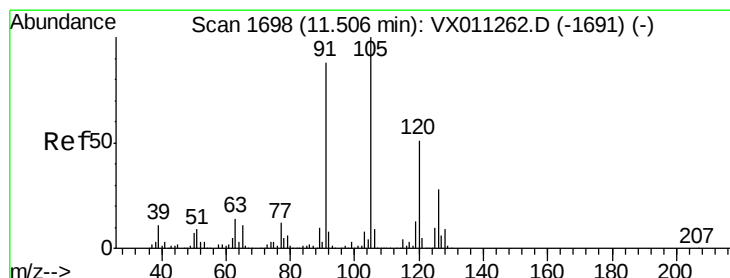
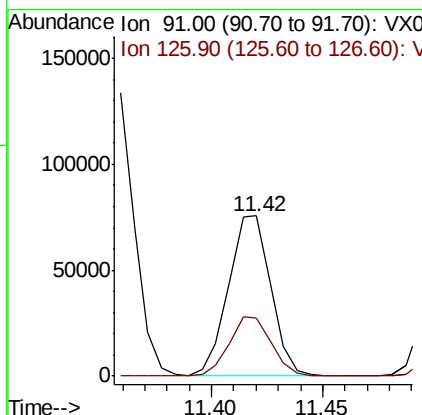
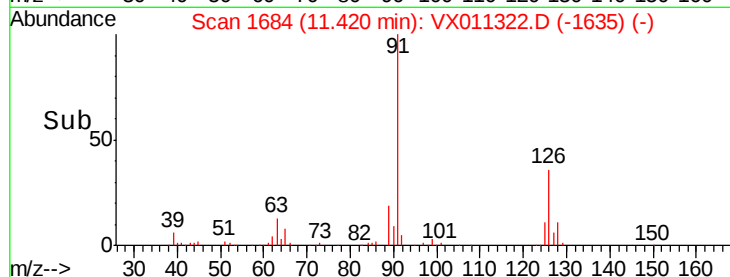
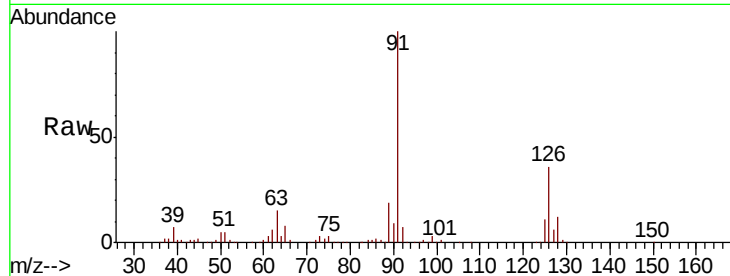
#79
 2-Chlorotoluene
 Concen: 19.313 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX011322.D
 Acq: 05 Aug 2019 11:37

Instrument :
 MSVOA_X
 ClientSampled :
 VX0805WBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
126	36.7	18.5	55.5	

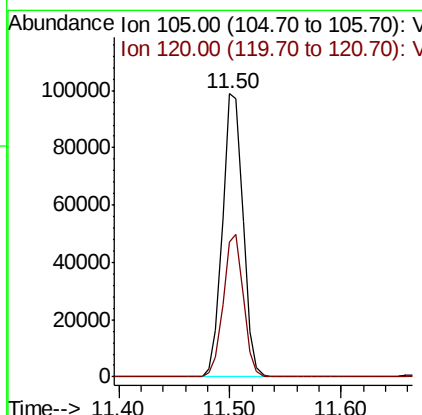
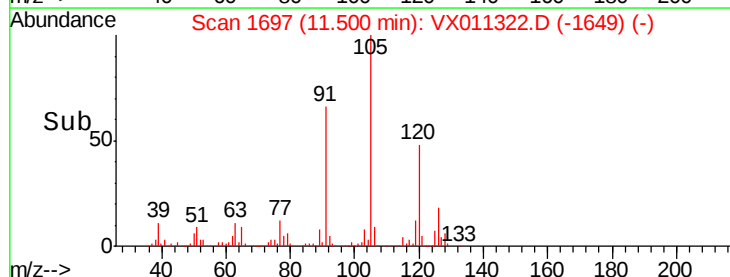
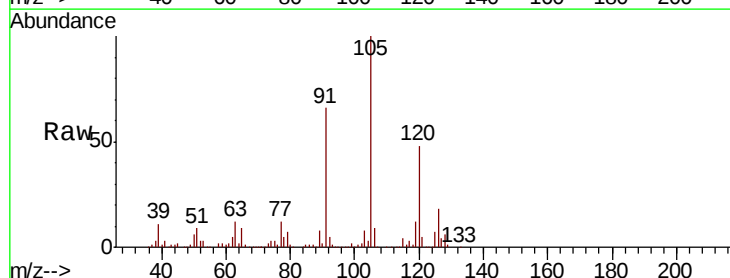
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.396 ug/l
 RT: 11.50 min Scan# 1697
 Delta R.T. -0.01 min
 Lab File: VX011322.D
 Acq: 05 Aug 2019 11:37

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	49.0	25.1	75.2	





#81

trans-1,4-Dichloro-2-butene

Concen: 20.008 ug/l

RT: 11.07 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

ClientSampleId :

VX0805WBS01

Tot Ion: 75 Resp: 13242

Ion Ratio Lower Upper

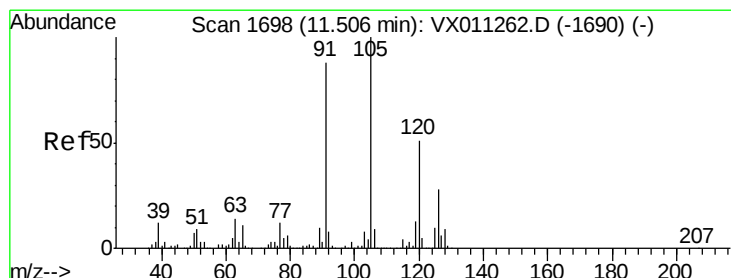
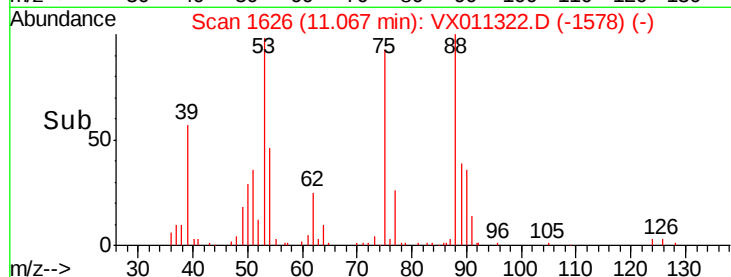
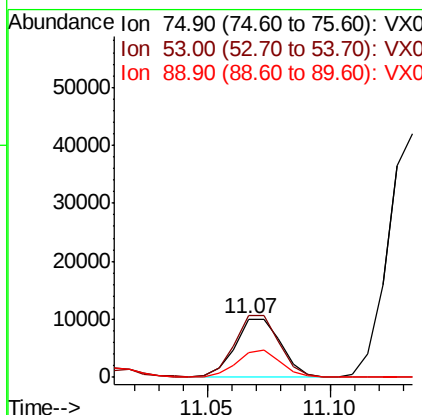
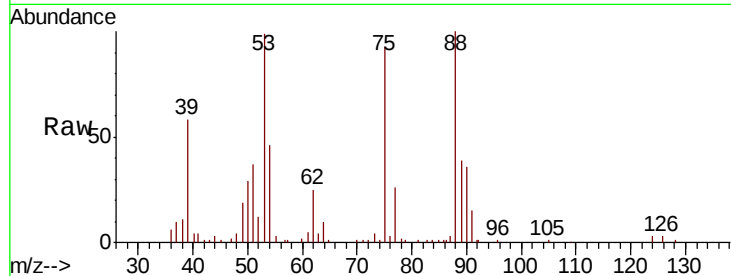
75 100

53 101.8 78.2 117.4

89 45.4 37.9 56.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.775 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011322.D

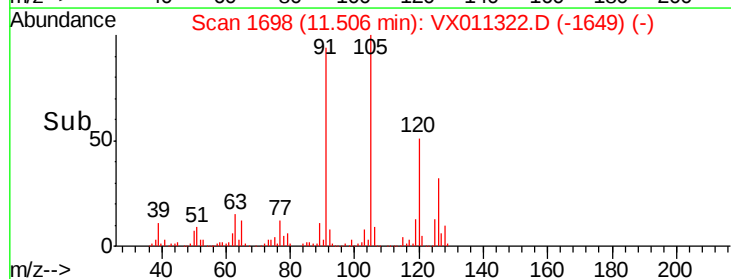
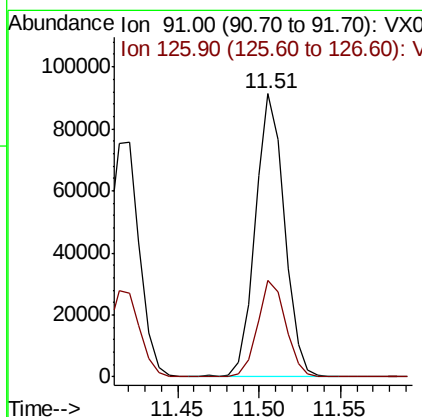
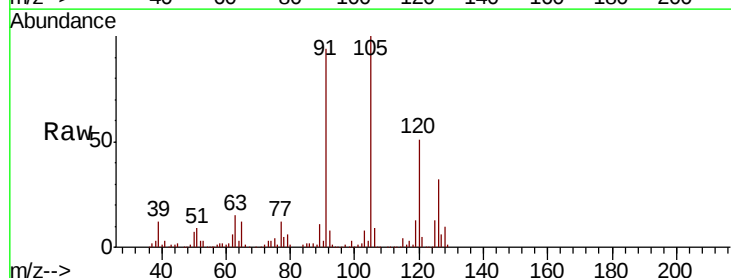
Acq: 05 Aug 2019 11:37

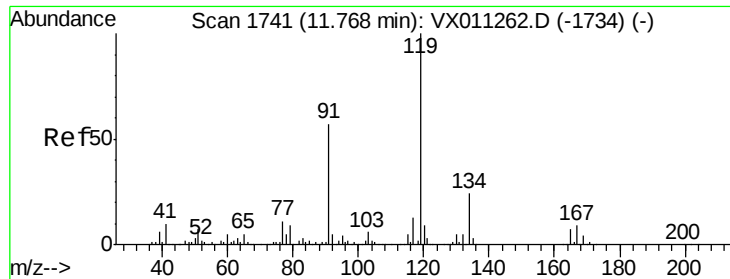
Tgt Ion: 91 Resp: 113144

Ion Ratio Lower Upper

91 100

126 33.3 16.4 49.2





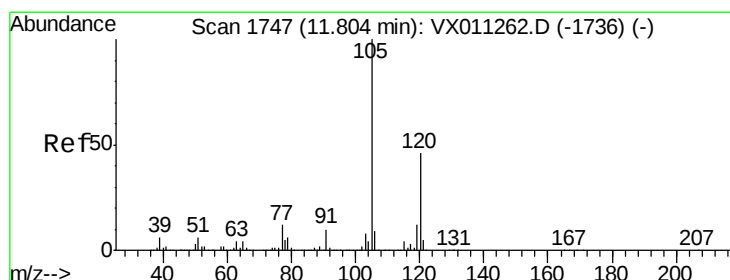
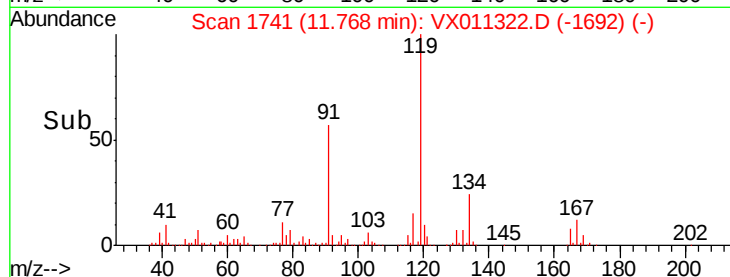
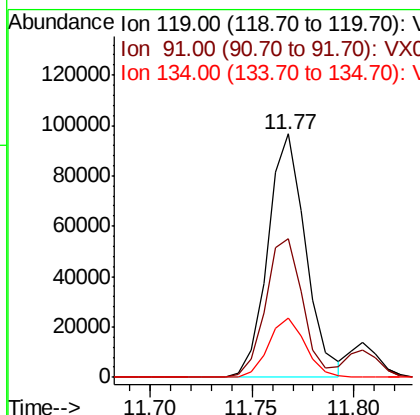
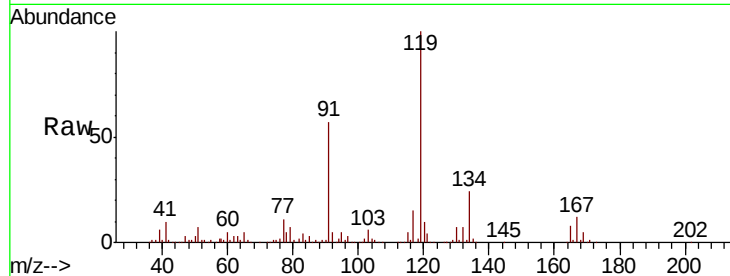
#83
tert-Butylbenzene
Concen: 19.484 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	124794		
91	55.8	28.0	84.0	
134	23.8	11.9	35.5	

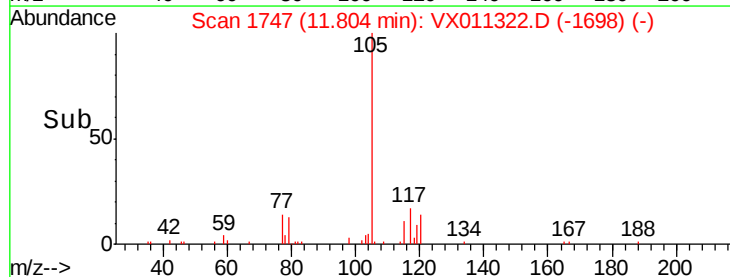
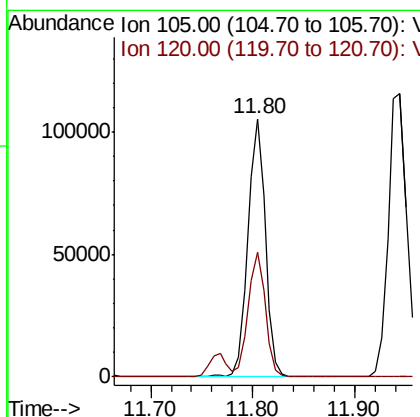
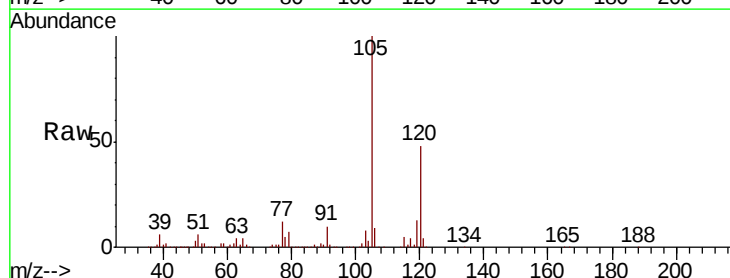
Manual Integrations
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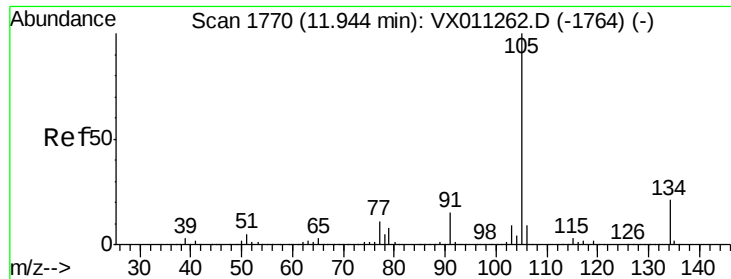
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#84
1,2,4-Trimethylbenzene
Concen: 19.339 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	125746		
120	47.4	23.0	69.0	





#85

sec-Butylbenzene

Concen: 19.238 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

ClientSampled :

VX0805WBS01

Tot Ion:105 Resp: 148044

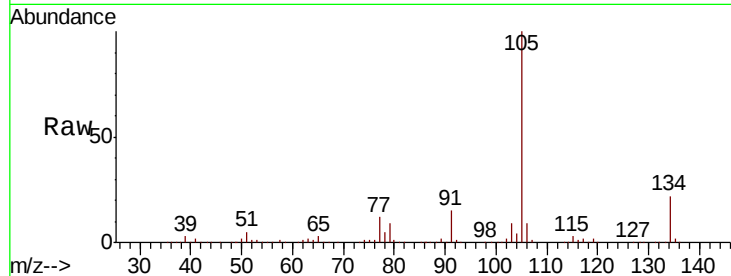
Ion Ratio Lower Upper

105 100

134 21.2 10.4 31.4

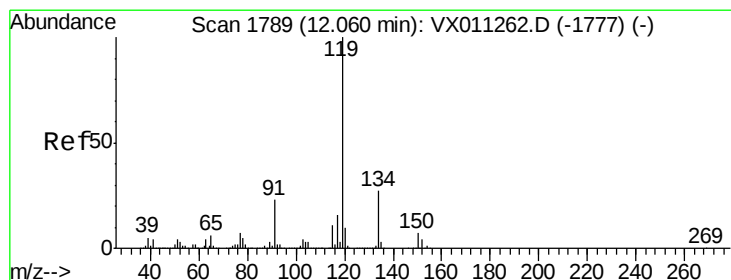
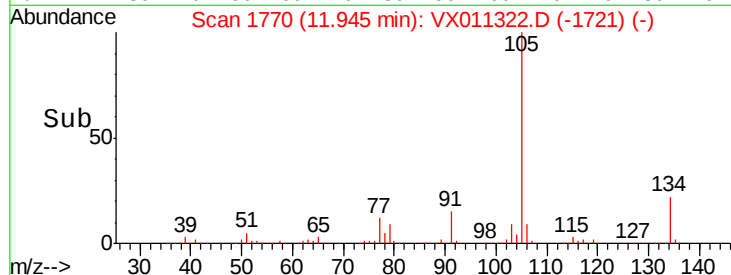
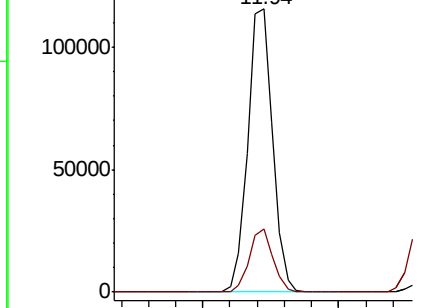
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.644 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

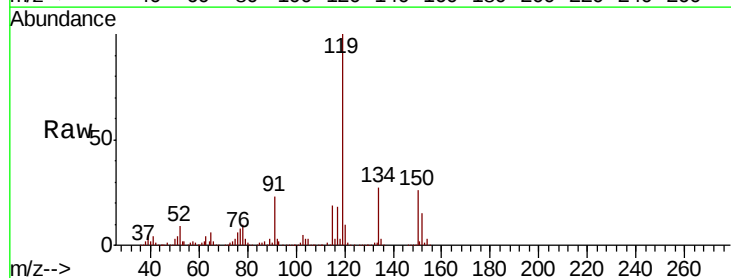
Tgt Ion:119 Resp: 139072

Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.0

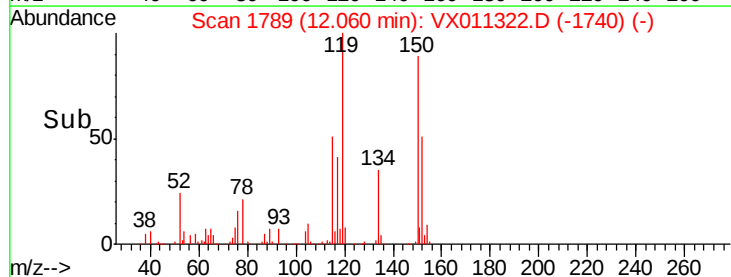
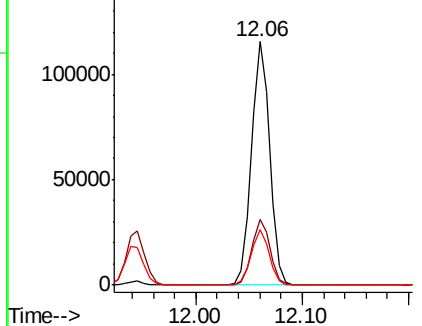
91 22.7 11.4 34.2

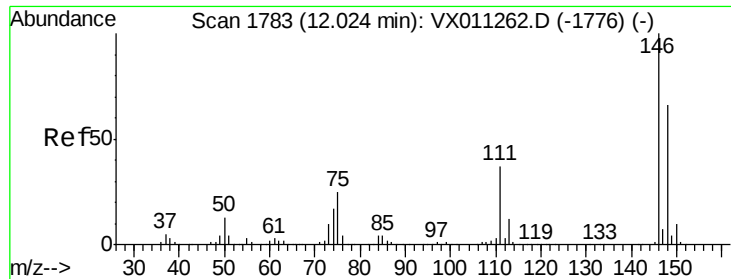


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 19.373 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Instrument :

MSVOA_X

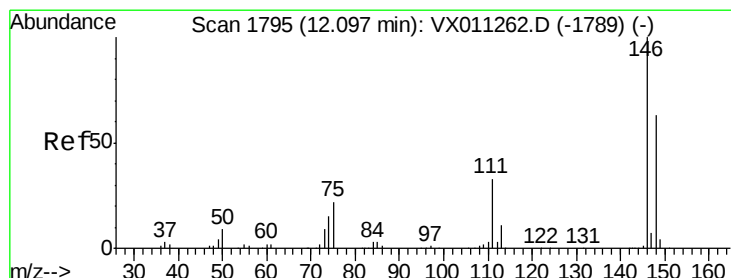
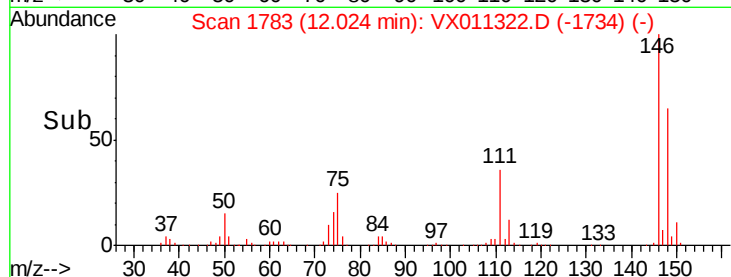
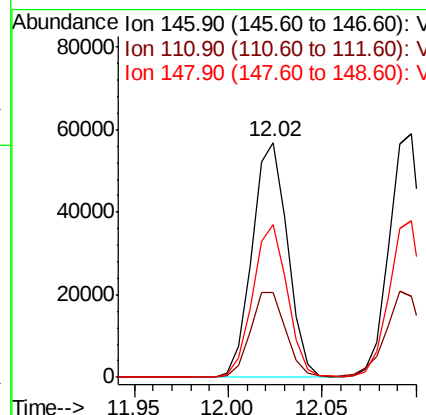
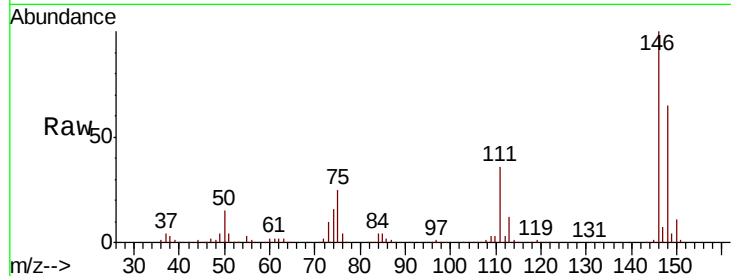
ClientSampleId :

VX0805WBS01

Tot Ion:	146	Resp:	74049
Ion Ratio	Lower	Upper	
146	100		
111	36.4	18.6	55.8
148	63.8	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.977 ug/l

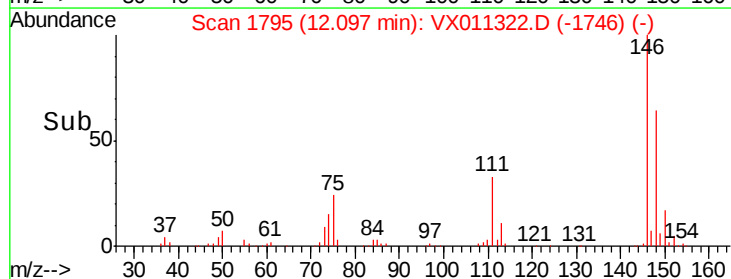
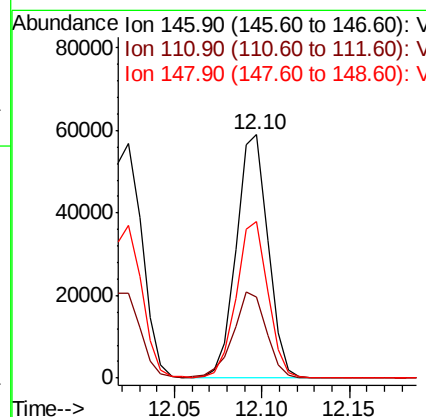
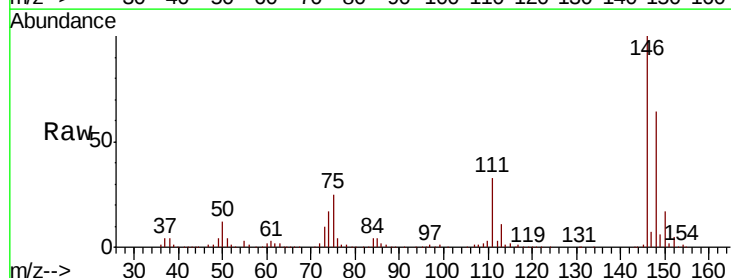
RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX011322.D

Acq: 05 Aug 2019 11:37

Tgt Ion:	146	Resp:	74797
Ion Ratio	Lower	Upper	
146	100		
111	37.2	17.8	53.4
148	64.1	31.8	95.3





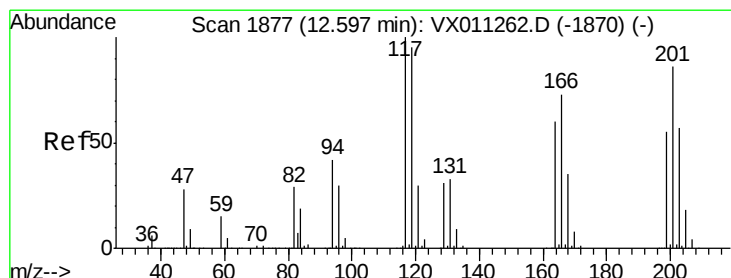
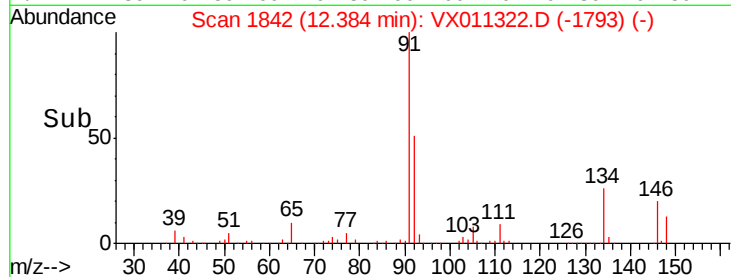
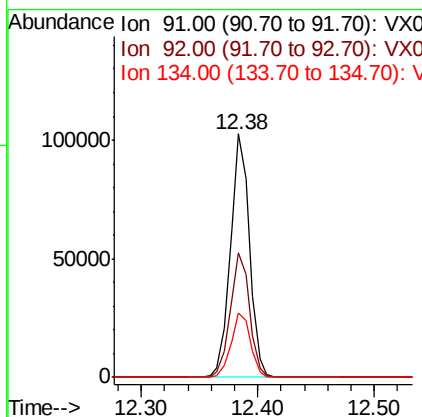
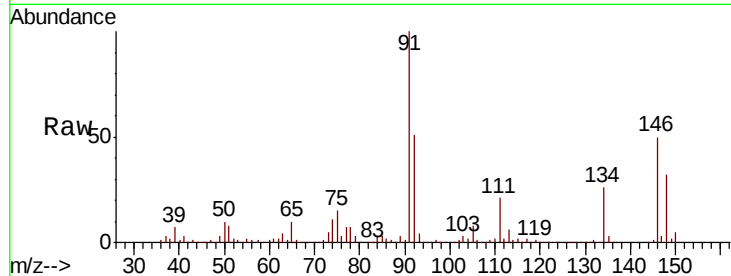
#89
n-Butylbenzene
Concen: 19.140 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampled :
VX0805WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.8	77.3
134	26.9	13.7	41.0

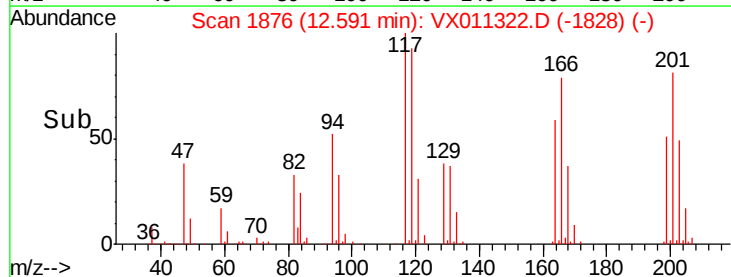
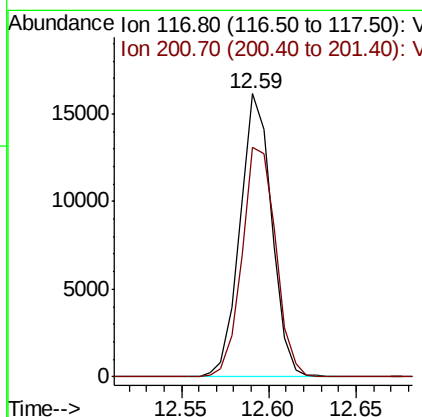
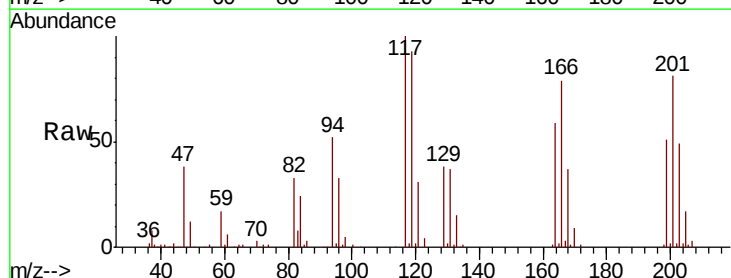
Manual Integrations
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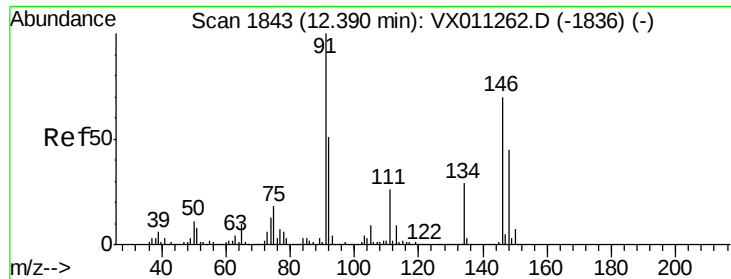
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#90
Hexachloroethane
Concen: 19.442 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.4	41.8	125.4





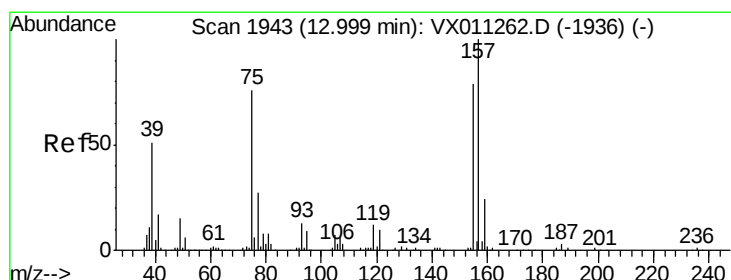
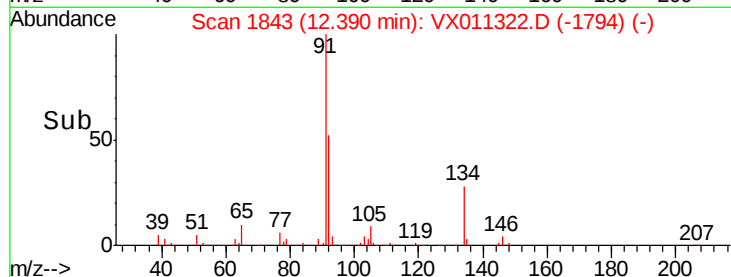
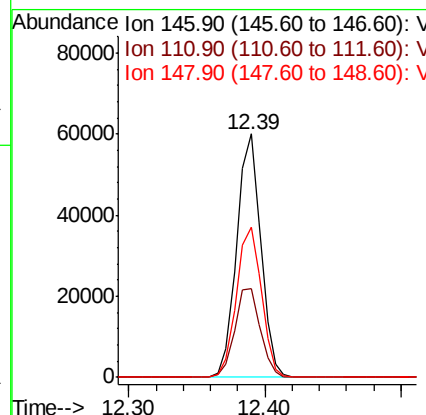
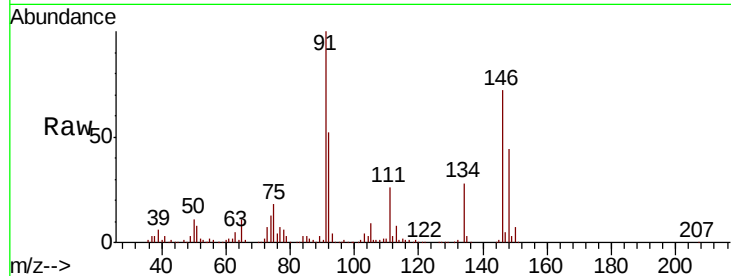
#91
 1,2-Dichlorobenzene
 Concen: 19.259 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011322.D
 Acq: 05 Aug 2019 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.1
148	64.1	32.3	96.8

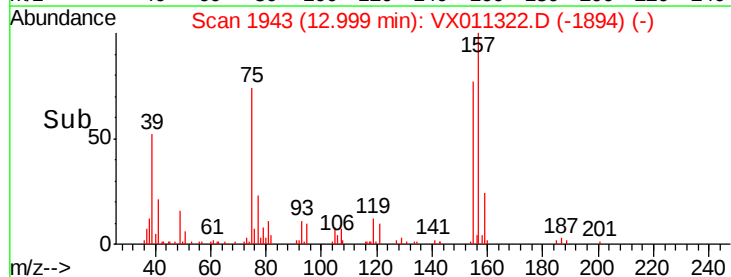
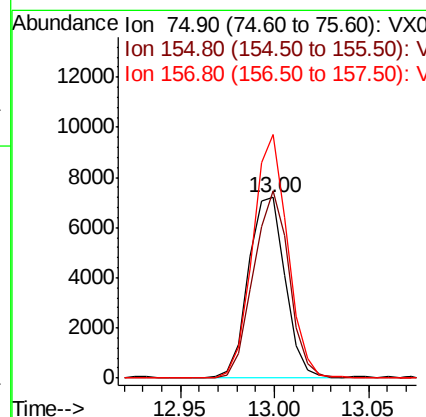
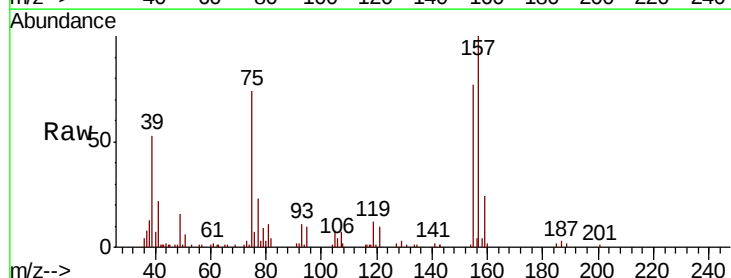
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.480 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011322.D
 Acq: 05 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	51.9	155.8
157	126.8	64.3	192.7





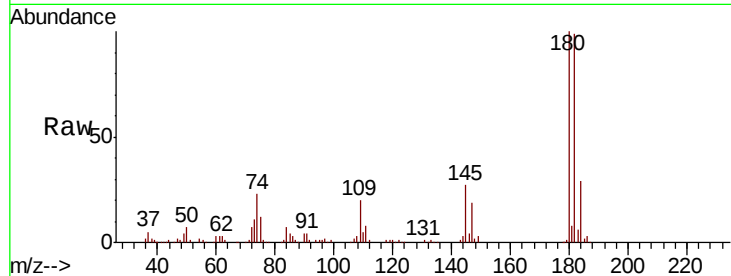
#93
 1,2,4-Trichlorobenzene
 Concen: 18.986 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011322.D
 Acq: 05 Aug 2019 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.8	143.4
145	29.9	14.8	44.3

Manual Integrations
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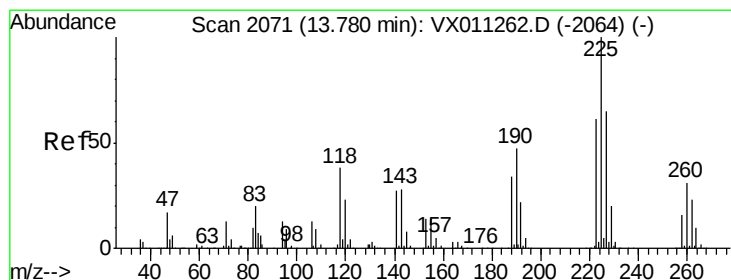
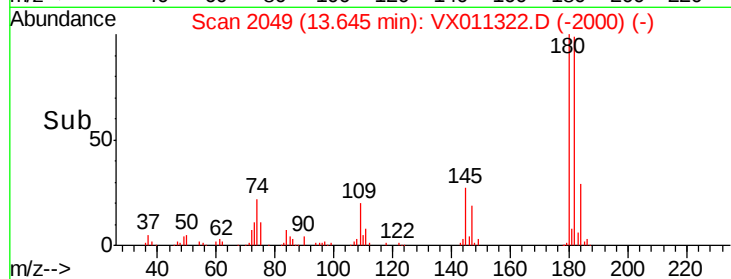
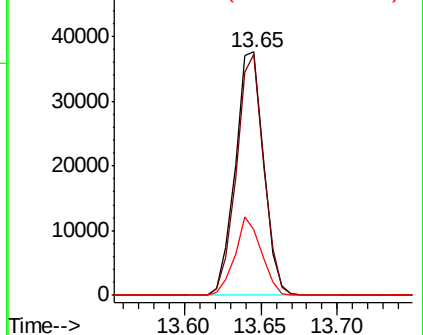


Abundance

Ion 179.80 (179.50 to 180.50): V

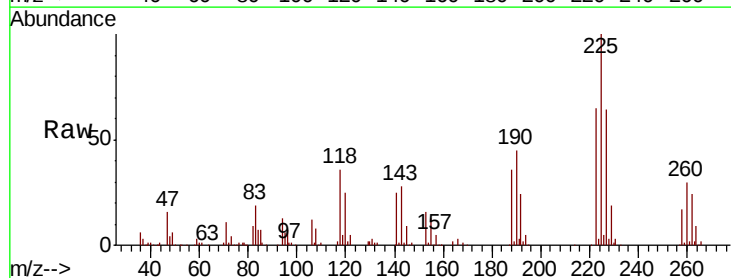
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.041 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011322.D
 Acq: 05 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.0	93.0
227	63.0	32.2	96.6

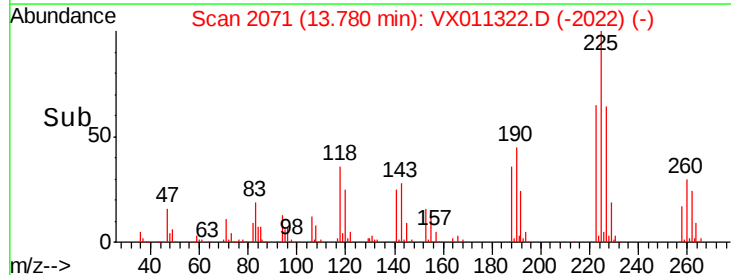
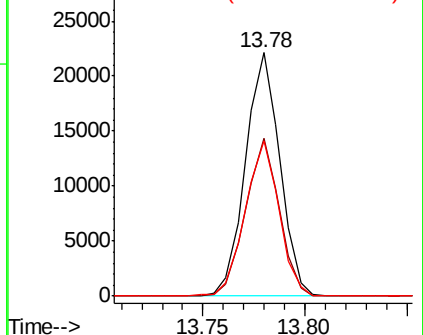


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





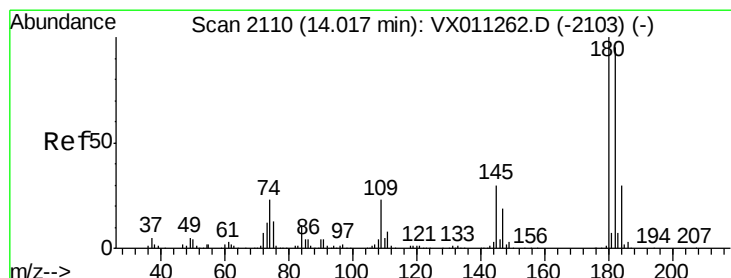
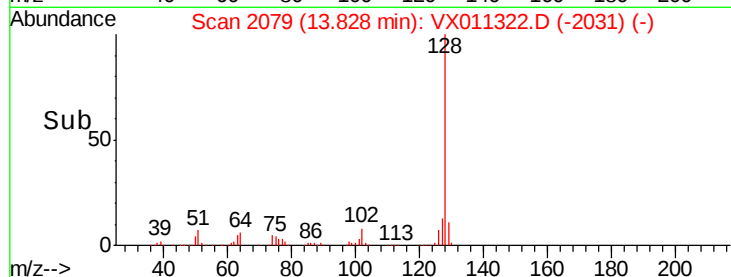
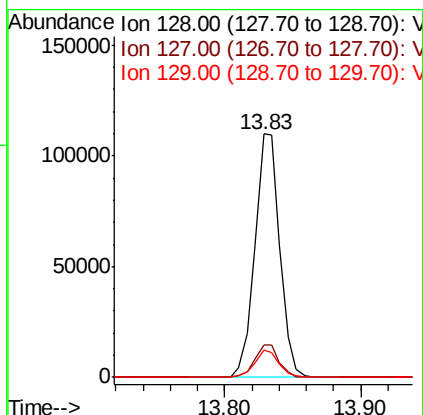
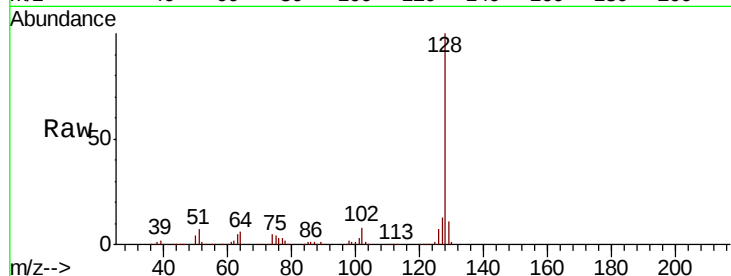
#95
Naphthalene
Concen: 19.007 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Instrument :
MSVOA_X
ClientSampleId :
VX0805WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	141575		
127	13.0		10.4	15.6
129	10.7		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/6/2019 4:48:38 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.822 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011322.D
Acq: 05 Aug 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	48736		
182	96.4		47.4	142.3
145	31.4		15.2	45.6

