

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009751.D
 Acq On : 21 May 2019 16:34
 Operator : JC/SP
 Sample : VX0521WBS03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS03

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 9:40:48 AM

Quant Time: May 22 07:55:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	170289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	266555	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117961	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	118077	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
35) Dibromofluoromethane	5.50	113	84671	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	8.71	98	345757	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.13	95	122754	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	27959	17.817	ug/l	98
3) Chloromethane	1.32	50	42630	19.898	ug/l	99
4) Vinyl Chloride	1.41	62	40377	19.327	ug/l	98
5) Bromomethane	1.64	94	25420	20.272	ug/l	99
6) Chloroethane	1.72	64	25868	19.286	ug/l	98
7) Trichlorofluoromethane	1.93	101	49888	19.645	ug/l	100
8) Diethyl Ether	2.19	74	22419	18.638	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	30021	18.826	ug/l	99
10) Methyl Iodide	2.51	142	32790	20.665	ug/l	98
11) Tert butyl alcohol	3.04	59	50451	93.758	ug/l	99
12) 1,1-Dichloroethene	2.37	96	30669	19.195	ug/l	97
13) Acrolein	2.29	56	35879	73.625	ug/l	99
14) Allyl chloride	2.73	41	72323	18.574	ug/l	98
15) Acrylonitrile	3.14	53	126582	96.209	ug/l	100
16) Acetone	2.45	43	127450	102.103	ug/l	97
17) Carbon Disulfide	2.57	76	88395	19.705	ug/l	99
18) Methyl Acetate	2.78	43	53526	18.031	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	116442	18.767	ug/l	99
20) Methylene Chloride	2.86	84	37481	18.545	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	32744	18.896	ug/l	92
22) Diisopropyl ether	3.85	45	143922	19.220	ug/l	94
23) Vinyl Acetate	3.81	43	649856	101.345	ug/l	98
24) 1,1-Dichloroethane	3.70	63	69296	18.759	ug/l	98
25) 2-Butanone	4.67	43	194426	100.233	ug/l	99
26) 2,2-Dichloropropane	4.59	77	52489	19.089	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	38587	18.656	ug/l	98
28) Bromochloromethane	5.01	49	34531	21.668	ug/l	97
29) Tetrahydrofuran	5.13	42	126311	101.194	ug/l	97
30) Chloroform	5.21	83	62405	18.678	ug/l	99
31) Cyclohexane	5.58	56	66199	19.262	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	52146	18.749	ug/l	99
36) 1,1-Dichloropropene	5.80	75	48537	19.594	ug/l	100
37) Ethyl Acetate	4.83	43	69783	20.219	ug/l	99
38) Carbon Tetrachloride	5.78	117	43978	19.540	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	59892	19.687	ug/l	99
40) Benzene	6.14	78	150524	19.634	ug/l	99
41) Methacrylonitrile	5.05	41	40042	19.490	ug/l	98
42) 1,2-Dichloroethane	6.20	62	55436	20.158	ug/l	100
43) Isopropyl Acetate	6.45	43	109440	19.824	ug/l	99
44) Trichloroethene	7.21	130	34848	18.803	ug/l	93
45) 1,2-Dichloropropane	7.51	63	42668	19.656	ug/l	99
46) Dibromomethane	7.66	93	24590	19.507	ug/l	99
47) Bromodichloromethane	7.90	83	47867	19.036	ug/l	98
48) Methyl methacrylate	7.77	41	56208	20.522	ug/l	97
49) 1,4-Dioxane	7.74	88	20998	378.034	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	369096	102.287	ug/l	98
52) Toluene	8.78	92	91693	19.676	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	54677	19.260	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	60438	19.234	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	36136	19.007	ug/l	95
56) Ethyl methacrylate	9.18	69	65905	19.420	ug/l	98
57) 1,3-Dichloropropane	9.37	76	64948	19.413	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	168325	93.494	ug/l	100
59) 2-Hexanone	9.49	43	291595	102.891	ug/l	97
60) Dibromochloromethane	9.58	129	34600	18.633	ug/l	98
61) 1,2-Dibromoethane	9.67	107	37284	19.427	ug/l	99
64) Tetrachloroethene	9.34	164	32483	19.425	ug/l	97
65) Chlorobenzene	10.14	112	93053	19.081	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	32807	18.556	ug/l	99
67) Ethyl Benzene	10.25	91	173248	19.303	ug/l	99
68) m/p-Xylenes	10.36	106	127580	38.899	ug/l	99
69) o-Xylene	10.69	106	62381	19.277	ug/l	99
70) Styrene	10.71	104	107693	19.147	ug/l	98
71) Bromoform	10.85	173	26369	18.353	ug/l #	100
73) Isopropylbenzene	11.02	105	165681	19.315	ug/l	99
74) N-amyl acetate	10.90	43	98119	19.620	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	60865	19.034	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	53198m	19.442	ug/l	
77) Bromobenzene	11.26	156	40537	19.040	ug/l	99
78) n-propylbenzene	11.36	91	191346	19.532	ug/l	100
79) 2-Chlorotoluene	11.42	91	113087	18.711	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	141437	19.582	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19664	18.387	ug/l	95
82) 4-Chlorotoluene	11.51	91	131768	19.298	ug/l	99
83) tert-Butylbenzene	11.77	119	132939	18.921	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	140694	19.407	ug/l	100
85) sec-Butylbenzene	11.94	105	160067	19.216	ug/l	100
86) p-Isopropyltoluene	12.06	119	145112	19.377	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	72085	18.992	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	72230	18.876	ug/l	98
89) n-Butylbenzene	12.38	91	128932	19.049	ug/l	99
90) Hexachloroethane	12.60	117	23308	18.269	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	72872	18.850	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13881	19.350	ug/l	97

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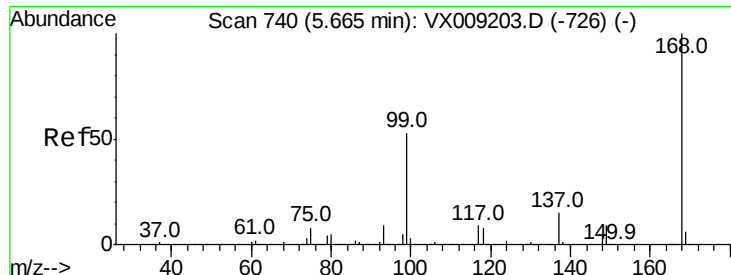
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	50746	19.196	ug/l	97
94) Hexachlorobutadiene	13.78	225	26170	19.385	ug/l	99
95) Naphthalene	13.83	128	160572	18.669	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	50432	18.820	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS03

Tot Ion:168 Resp: 170289

Ion Ratio Lower Upper

168 100

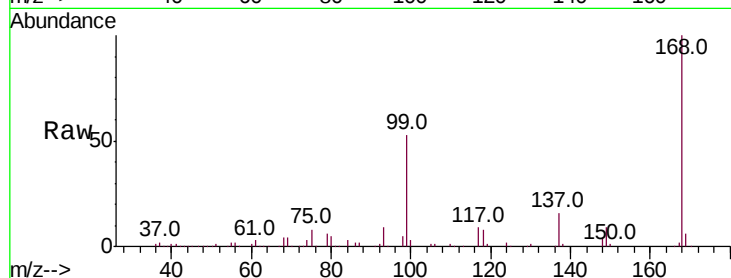
99 52.4 42.3 63.5

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

5.67

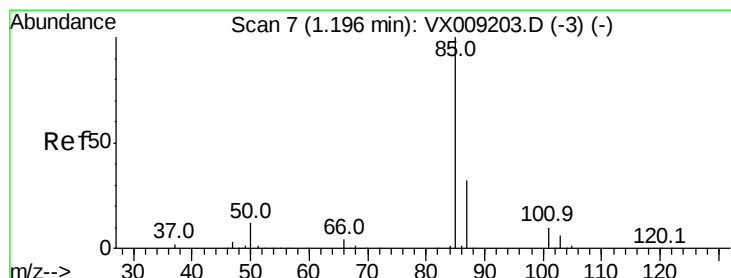
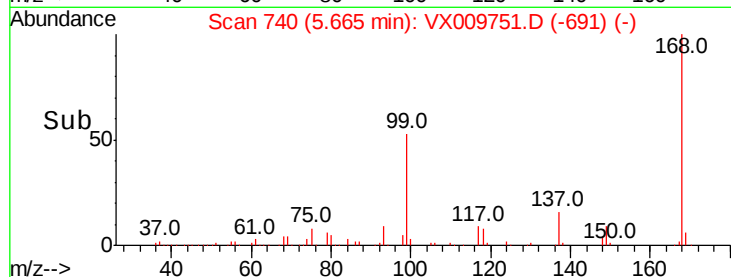
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.817 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009751.D

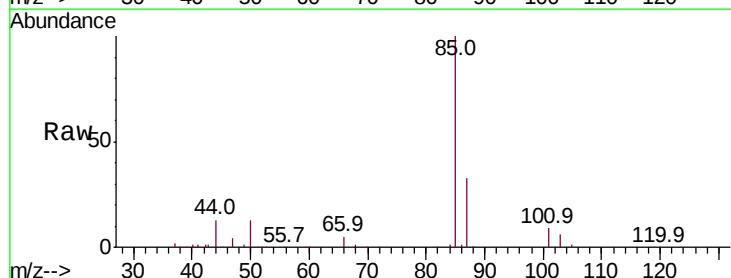
Acq: 21 May 2019 16:34

Tgt Ion: 85 Resp: 27959

Ion Ratio Lower Upper

85 100

87 33.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

30000

25000

20000

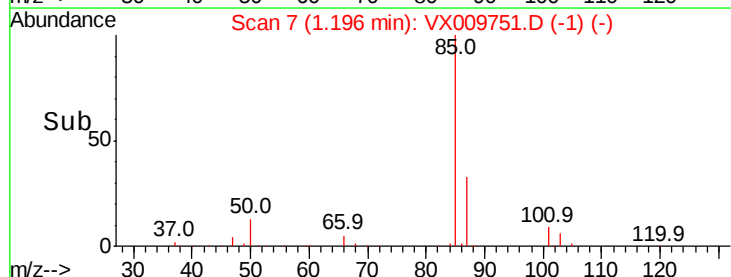
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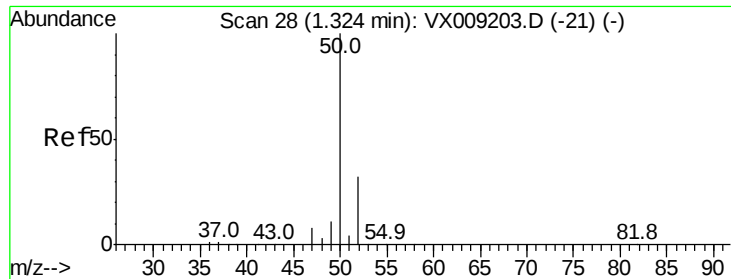
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5000

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Time-->





#3

Chloromethane

Concen: 19.898 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS03

Tot Ion: 50 Resp: 42630

Ion Ratio Lower Upper

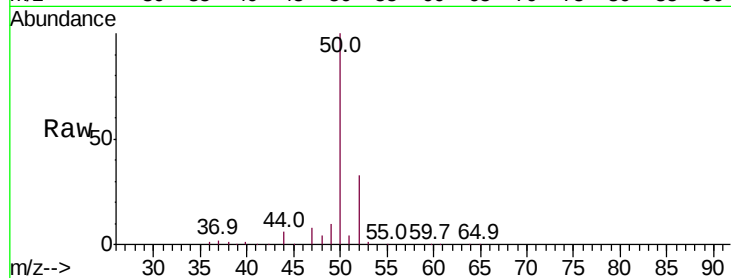
50 100

52 32.8 25.9 38.9

Manual Integrations
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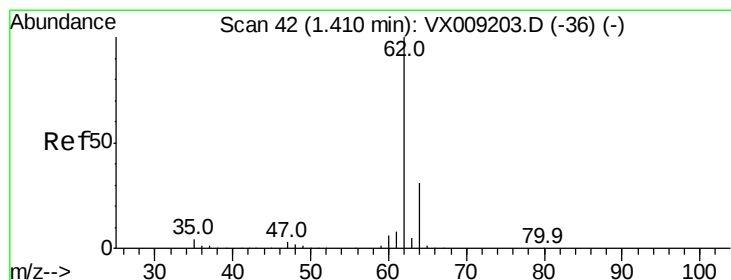
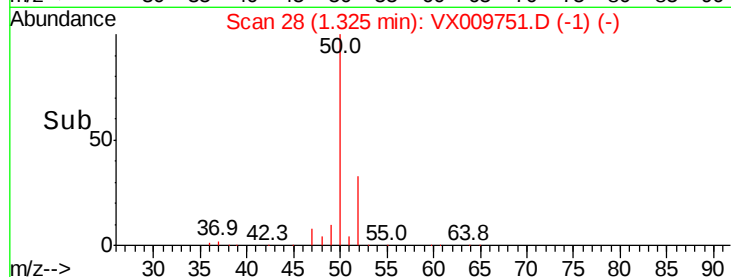
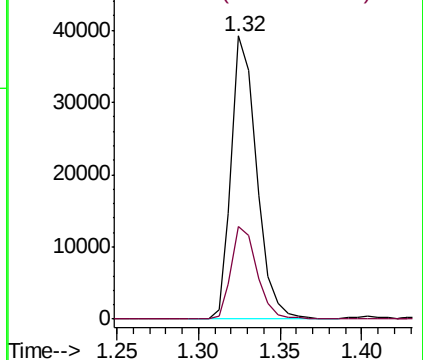
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.327 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009751.D

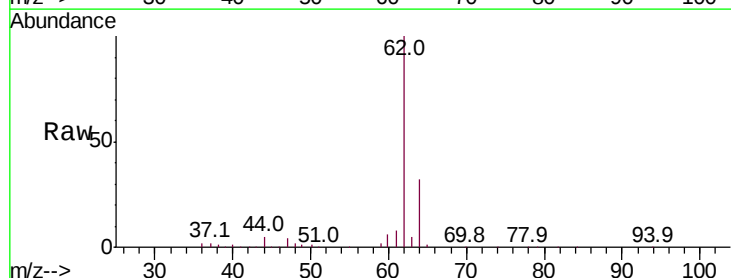
Acq: 21 May 2019 16:34

Tgt Ion: 62 Resp: 40377

Ion Ratio Lower Upper

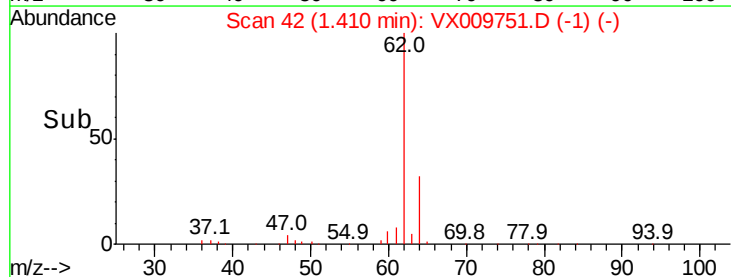
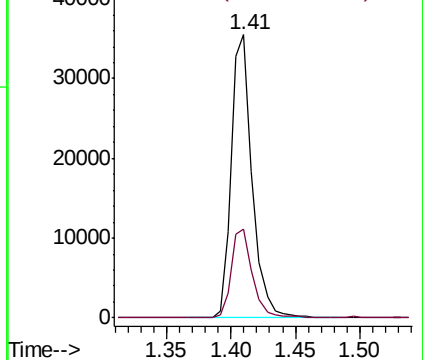
62 100

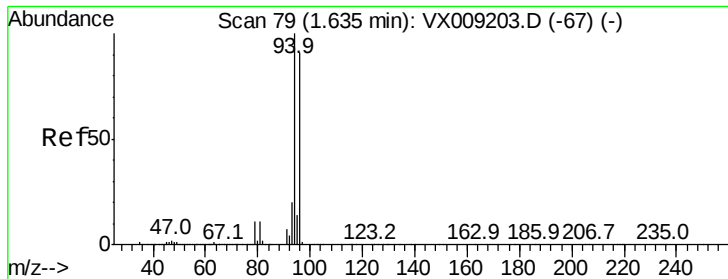
64 31.6 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.272 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS03

Tot Ion: 94 Resp: 25420

Ion Ratio Lower Upper

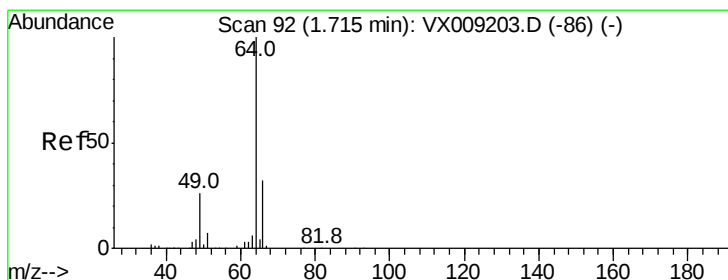
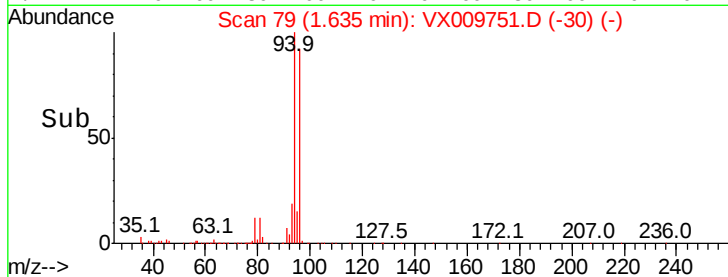
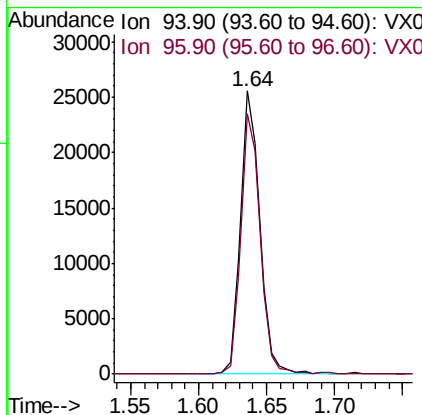
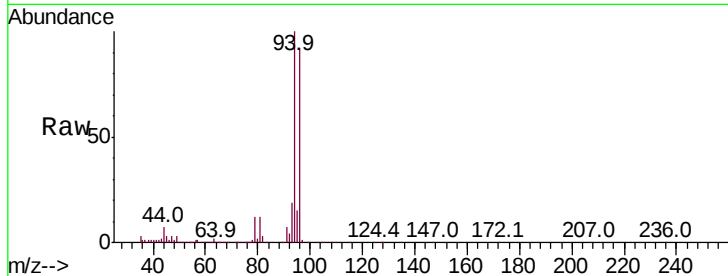
94 100

96 91.9 73.0 109.6

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#6

Chloroethane

Concen: 19.286 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009751.D

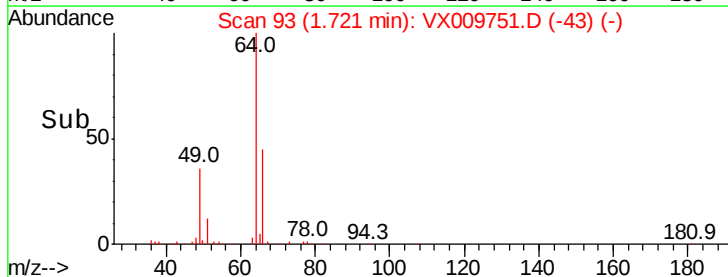
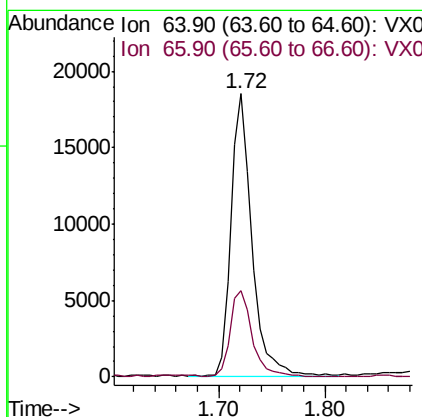
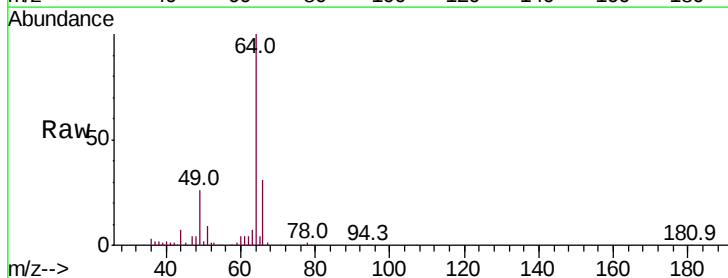
Acq: 21 May 2019 16:34

Tgt Ion: 64 Resp: 25868

Ion Ratio Lower Upper

64 100

66 30.6 25.3 37.9





#7

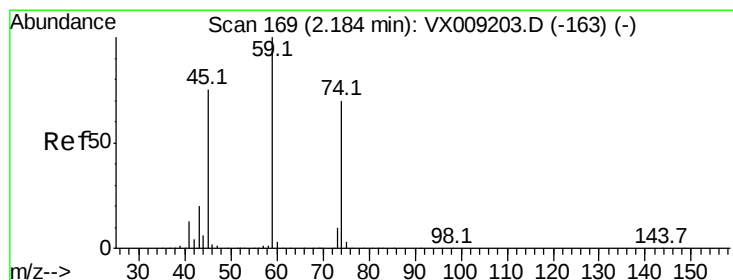
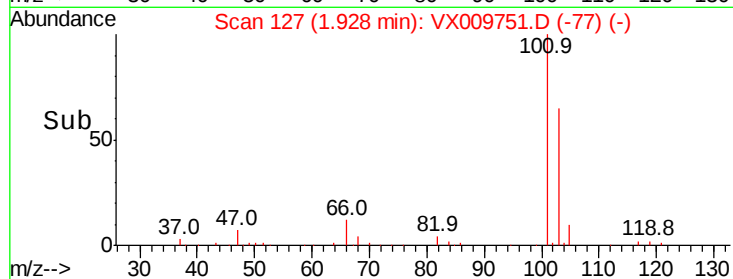
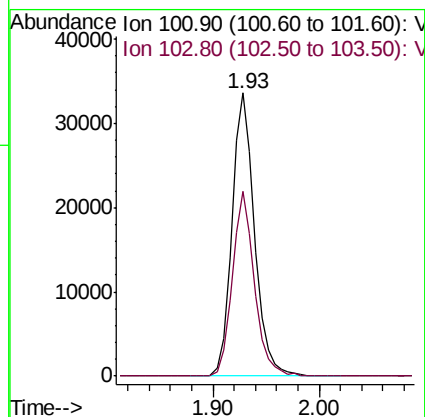
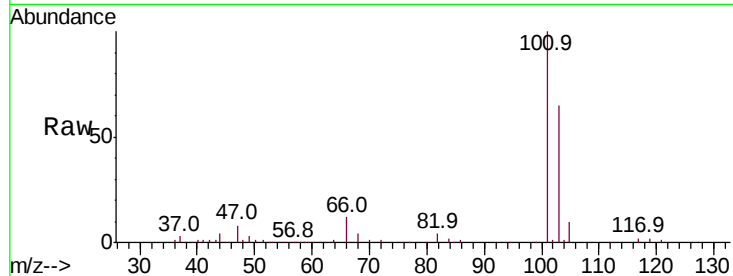
Trichlorofluoromethane
Concen: 19.645 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS03

Tot Ion:101 Resp: 49888
Ion Ratio Lower Upper
101 100
103 65.4 52.4 78.6

Manual Integrations
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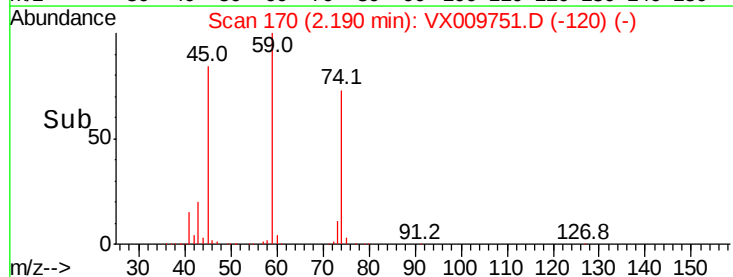
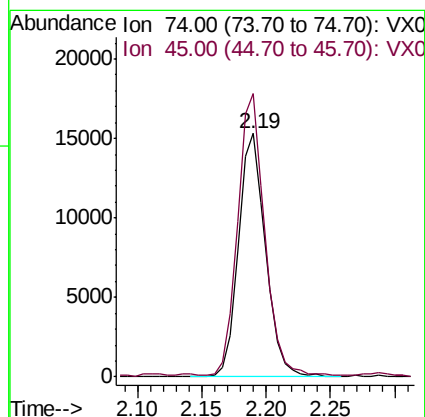
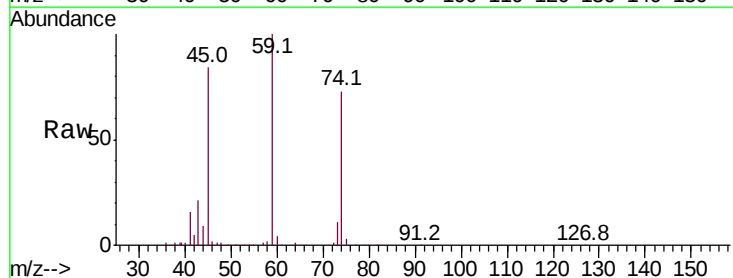
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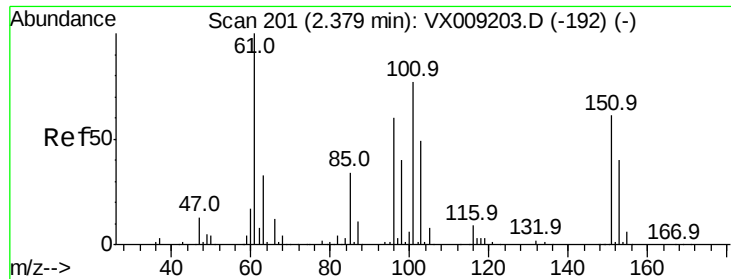


#8

Diethyl Ether
Concen: 18.638 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Tgt Ion: 74 Resp: 22419
Ion Ratio Lower Upper
74 100
45 114.1 53.3 159.9





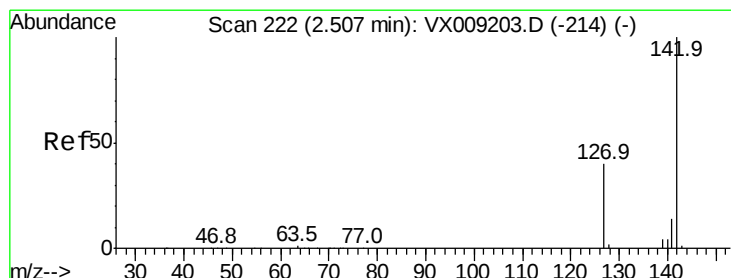
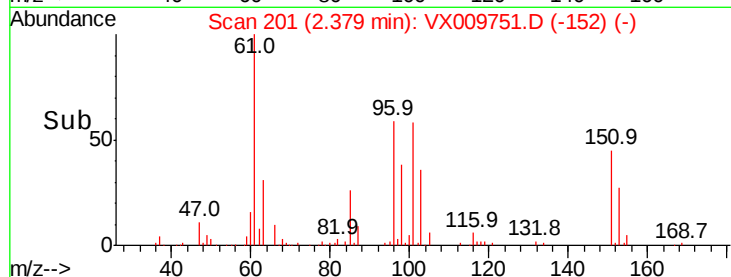
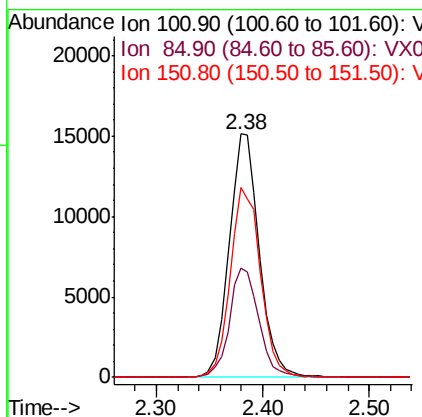
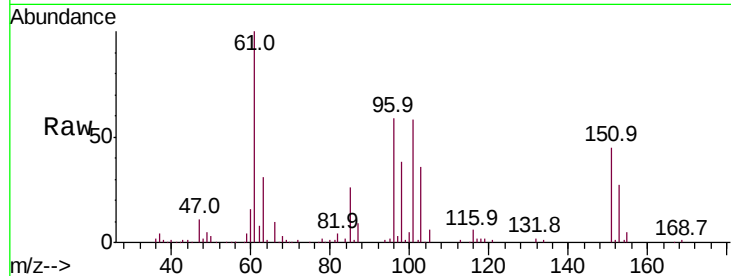
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.826 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.00 min
 Lab File: VX009751.D
 Acq: 21 May 2019 16:34

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
85	43.7	35.7	53.5
151	78.7	62.2	93.2

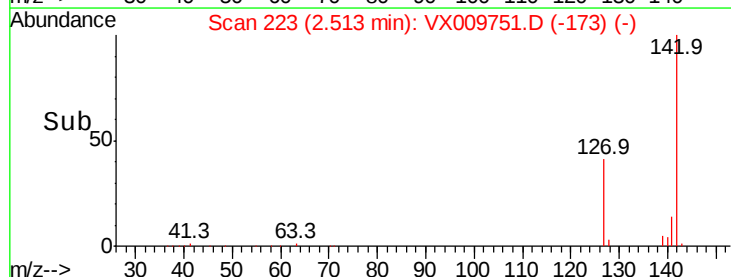
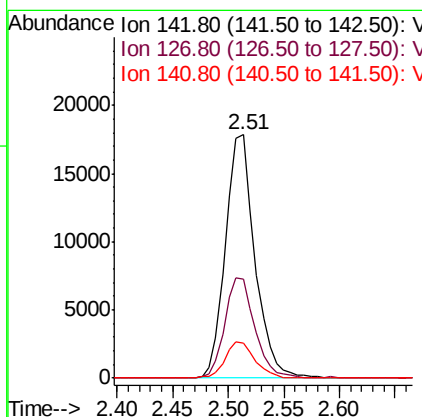
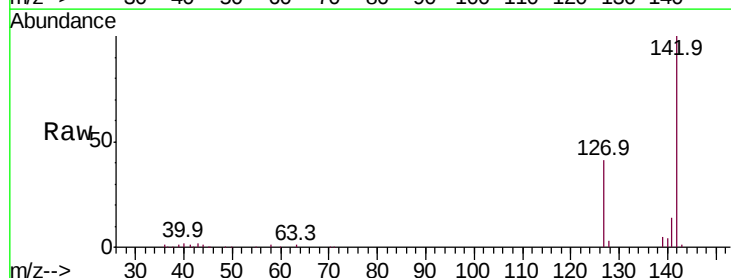
Manual Integrations
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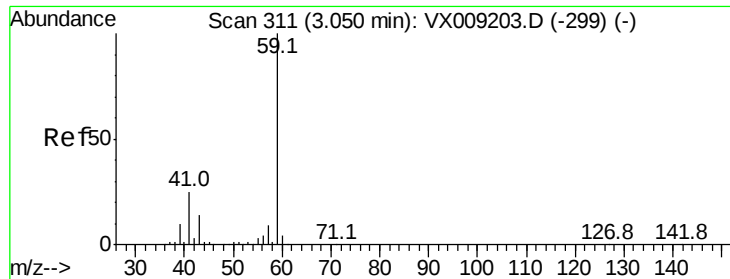
MMDadoda
 5/22/2019 9:40:48 AM



#10
 Methyl Iodide
 Concen: 20.665 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VX009751.D
 Acq: 21 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.0	32.7	49.1
141	15.1	11.5	17.3





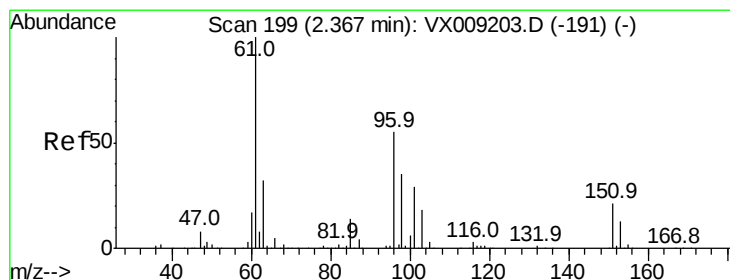
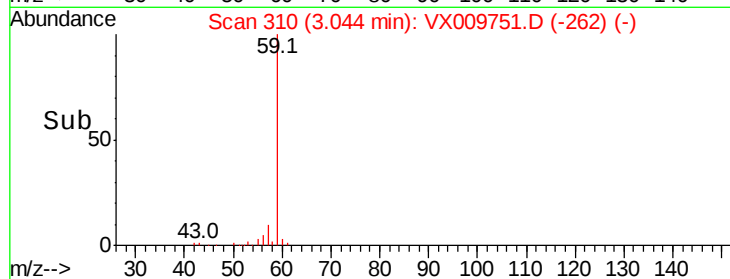
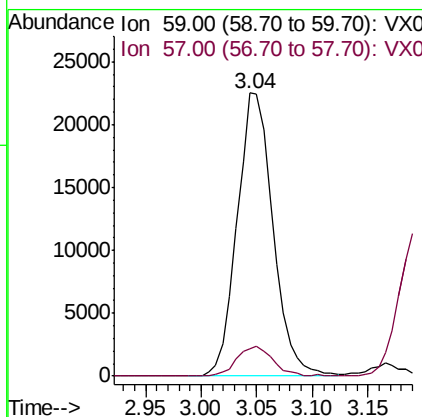
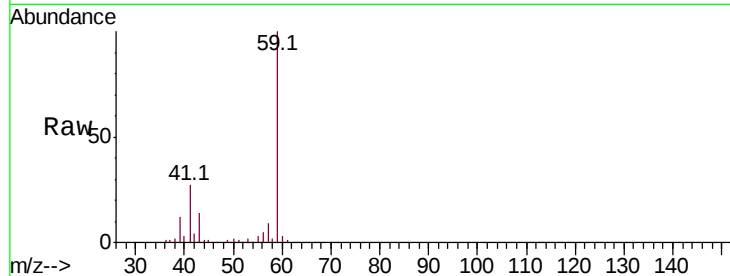
#11
Tert butyl alcohol
Concen: 93.758 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS03

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.2	12.2

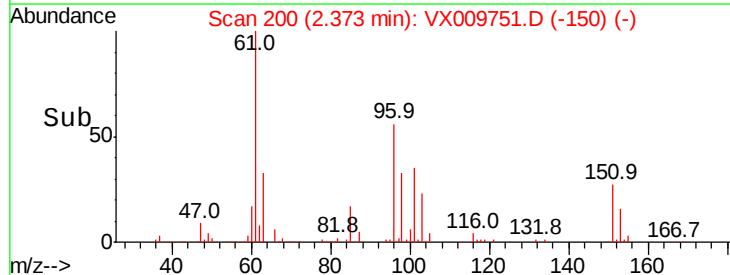
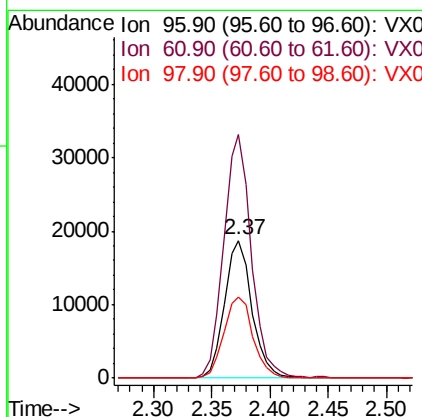
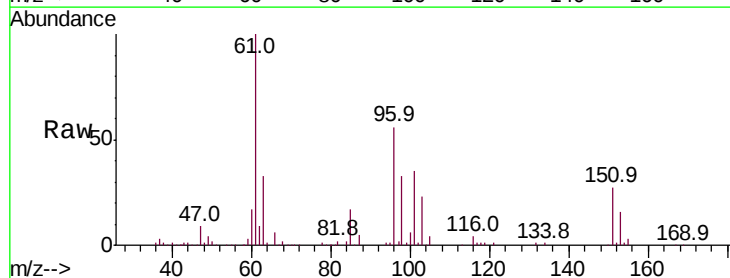
Manual Integrations
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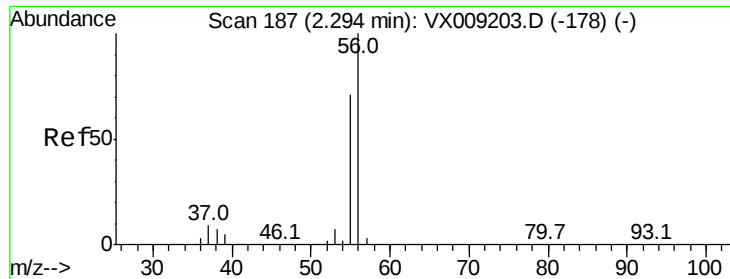
MMDadoda
5/22/2019 9:40:48 AM



#12
1,1-Dichloroethene
Concen: 19.195 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.1	144.3	216.5
98	59.1	50.3	75.5





#13

Acrolein

Concen: 73.625 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS03

Tot Ion: 56 Resp: 35879

Ion Ratio Lower Upper

56 100

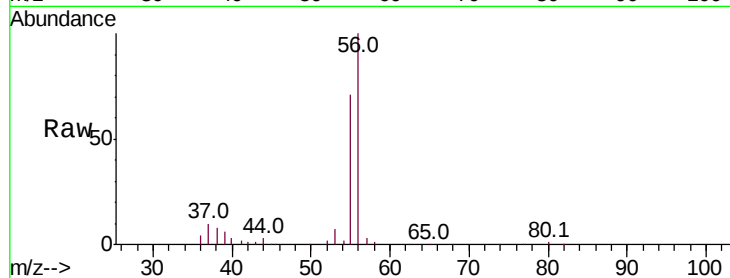
55 69.8 56.6 85.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

25000

20000

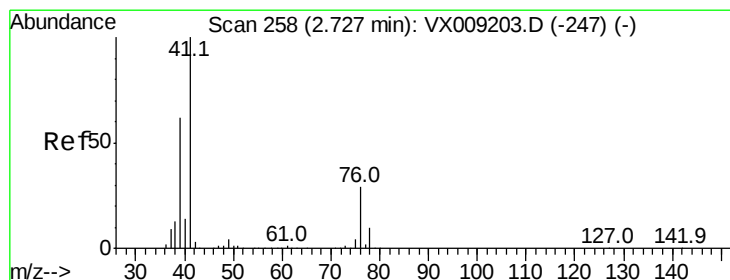
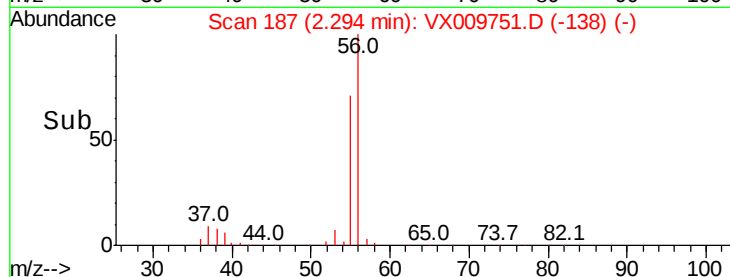
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 18.574 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

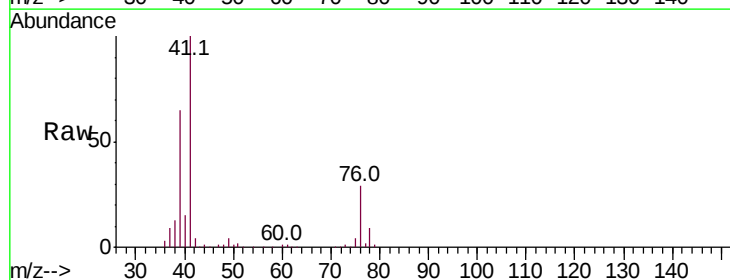
Tgt Ion: 41 Resp: 72323

Ion Ratio Lower Upper

41 100

39 60.0 46.7 70.1

76 27.2 21.8 32.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

50000

40000

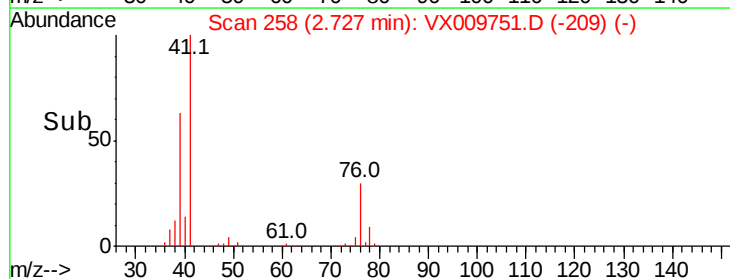
30000

20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 96.209 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

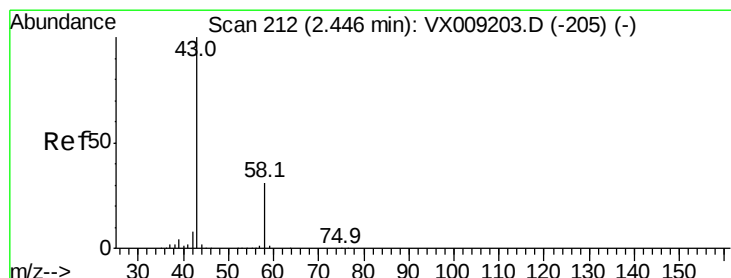
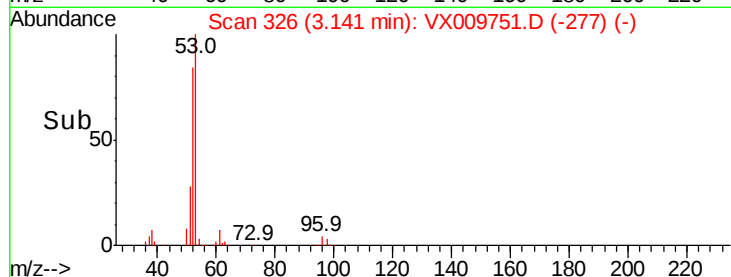
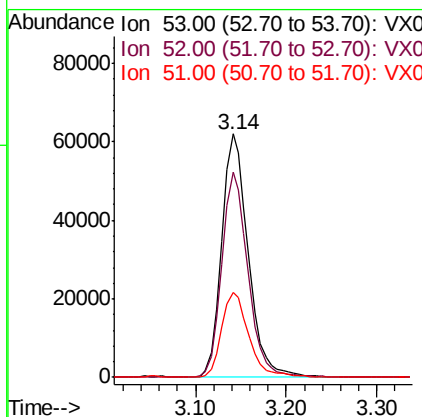
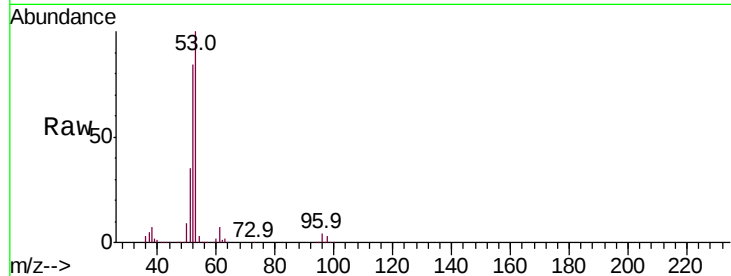
ClientSampleId :

VX0521WBS03

Tot Ion	53	Resp	126582
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.9	100.3
51	35.5	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 102.103 ug/l

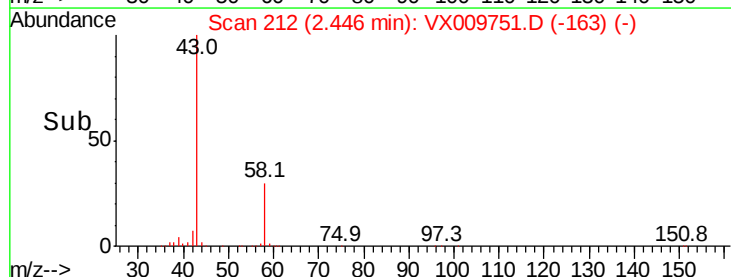
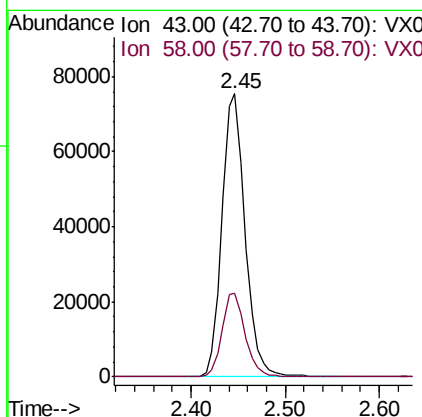
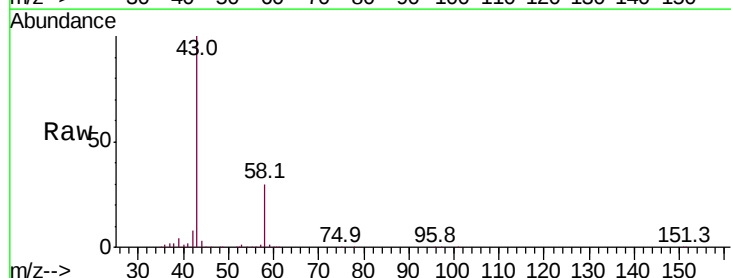
RT: 2.45 min Scan# 212

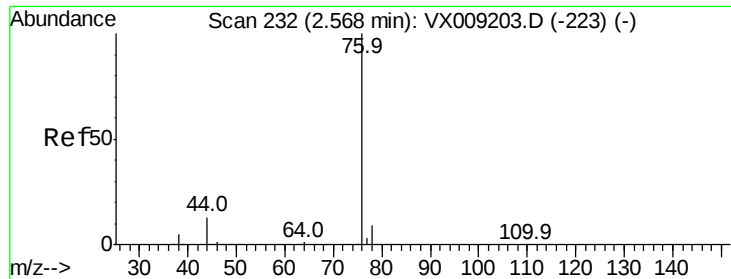
Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Tgt Ion	43	Resp	127450
Ion Ratio	Lower	Upper	
43	100		
58	29.6	24.9	37.3





#17

Carbon Disulfide

Concen: 19.705 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS03

Tot Ion: 76 Resp: 88395

Ion Ratio Lower Upper

76 100

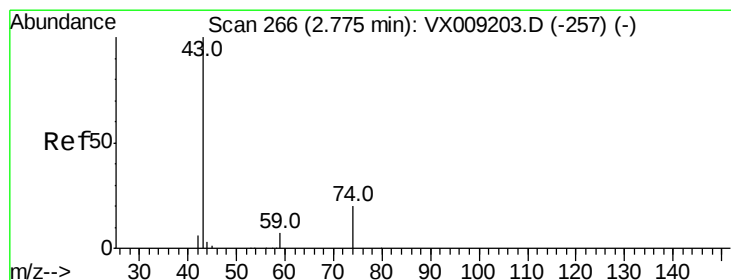
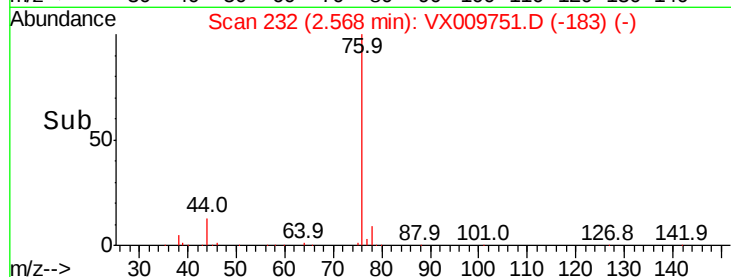
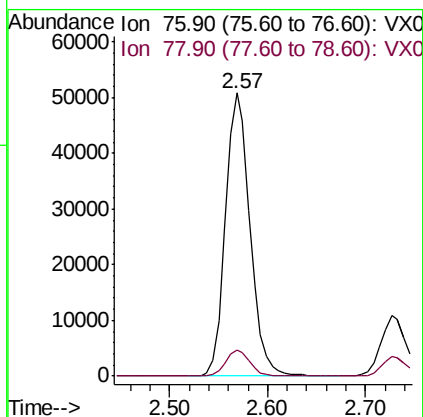
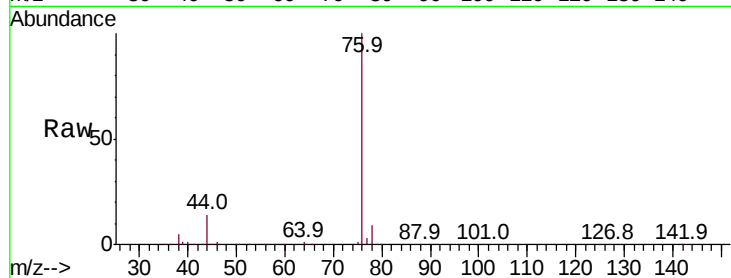
78 9.4 7.4 11.0

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#18

Methyl Acetate

Concen: 18.031 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009751.D

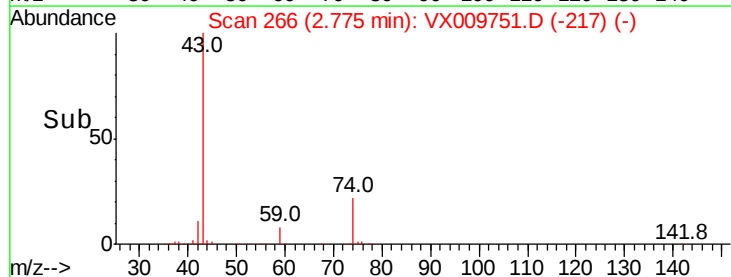
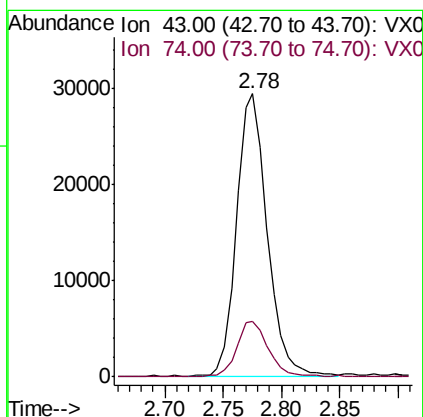
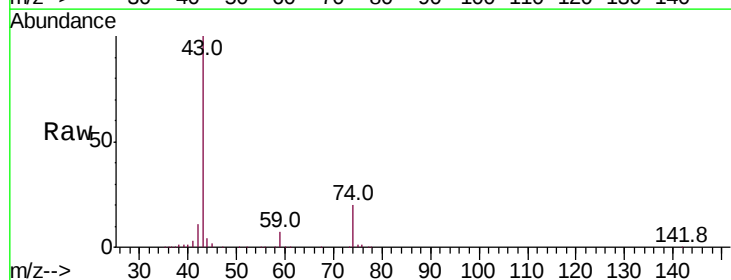
Acq: 21 May 2019 16:34

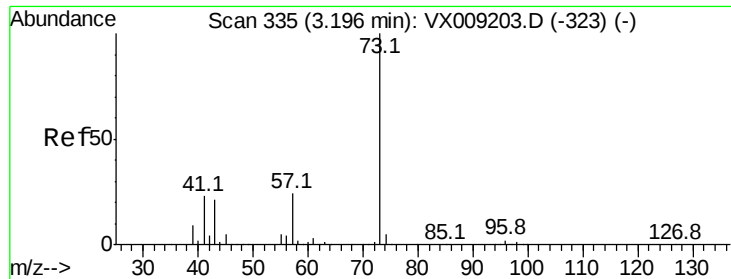
Tgt Ion: 43 Resp: 53526

Ion Ratio Lower Upper

43 100

74 20.7 16.2 24.4





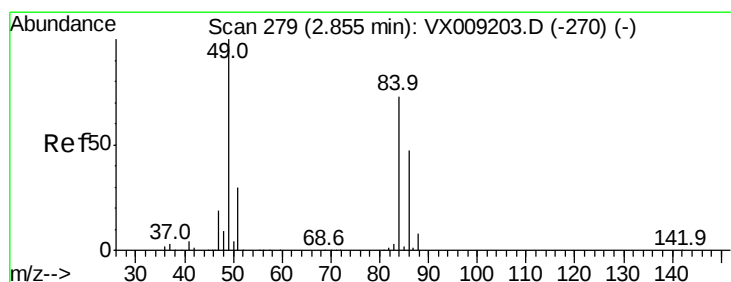
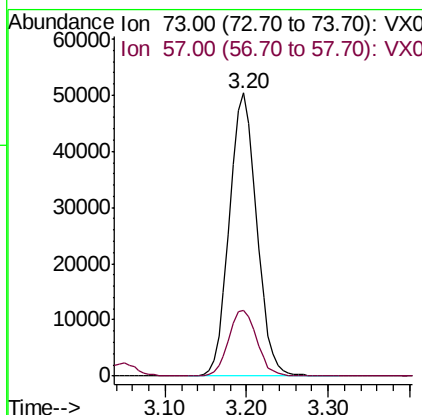
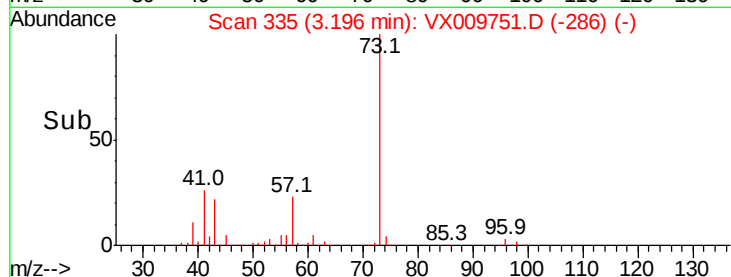
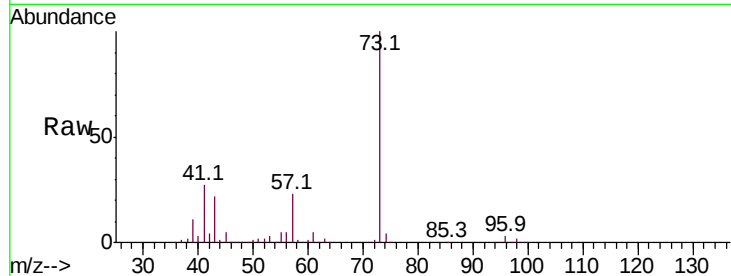
#19
Methyl tert-butyl Ether
Concen: 18.767 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS03

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.3	28.9

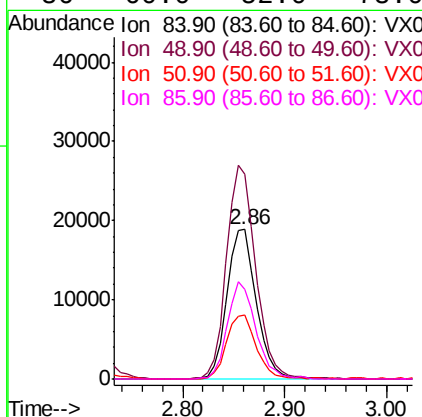
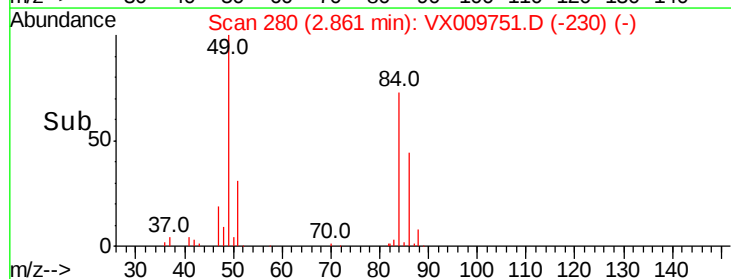
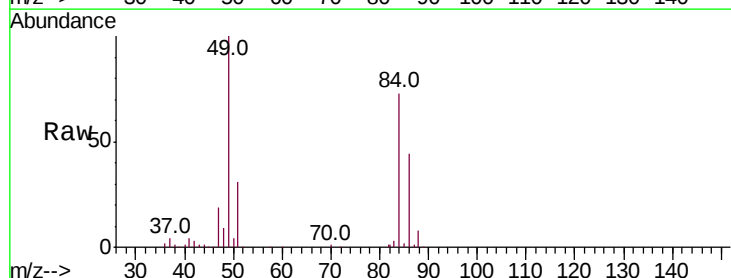
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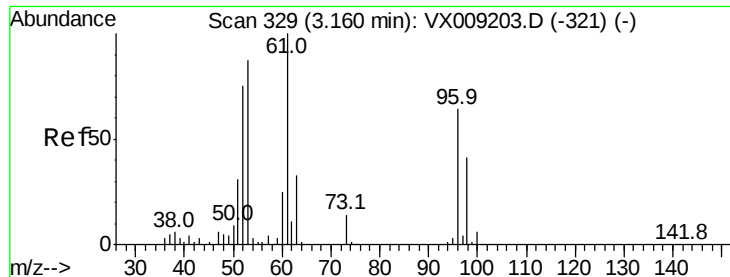
MMDadoda
5/22/2019 9:40:48 AM



#20
Methylene Chloride
Concen: 18.545 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.9	109.9	164.9
51	42.8	32.7	49.1
86	60.0	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 18.896 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS03

Tot Ion: 96 Resp: 32744

Ion Ratio Lower Upper

96 100

61 167.9 124.5 186.7

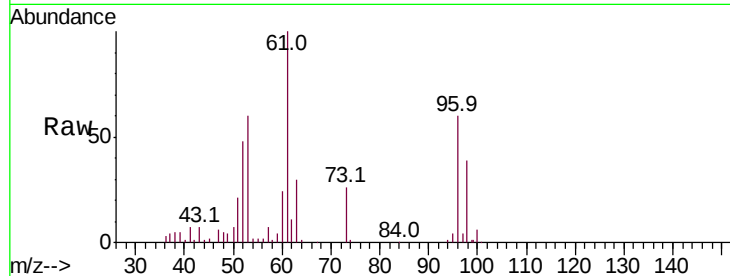
98 66.3 50.4 75.6

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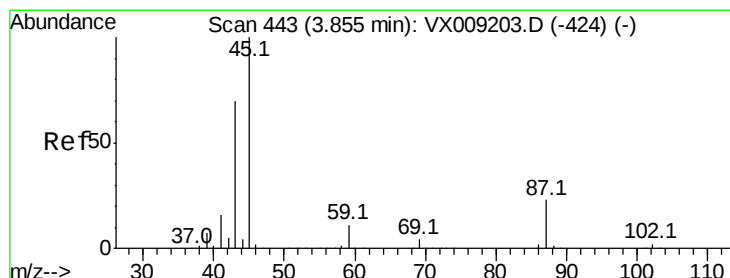
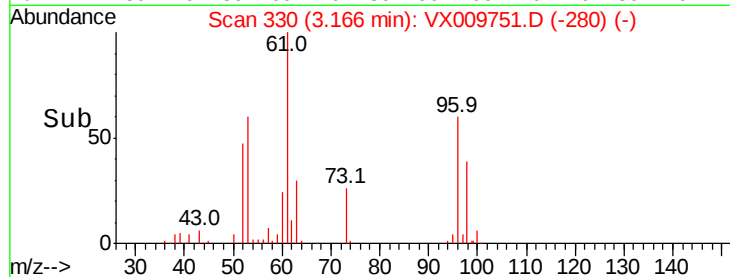
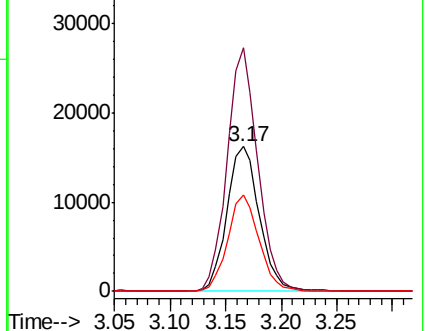
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.220 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Tgt Ion: 45 Resp: 143922

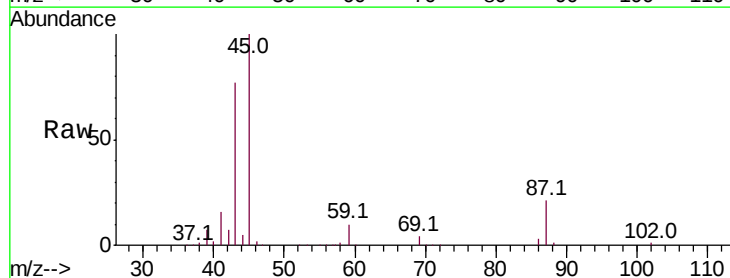
Ion Ratio Lower Upper

45 100

43 76.6 56.1 84.1

87 21.2 18.1 27.1

59 10.1 8.5 12.7

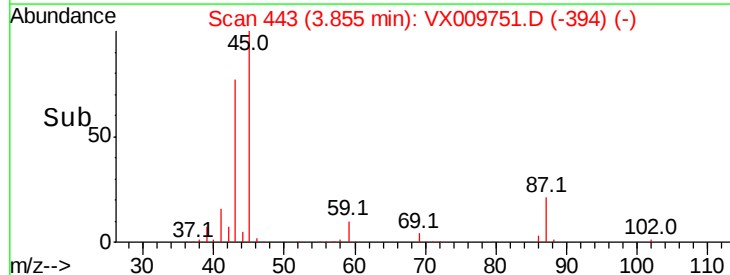
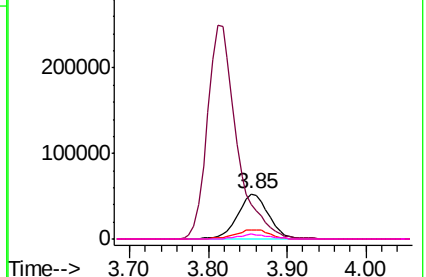


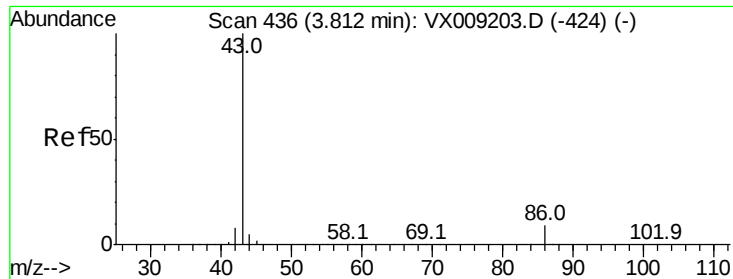
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 101.345 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS03

Tot Ion: 43 Resp: 649856

Ion Ratio Lower Upper

43 100

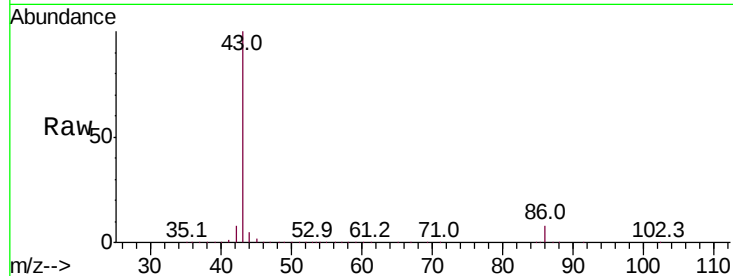
86 8.0 6.9 10.3

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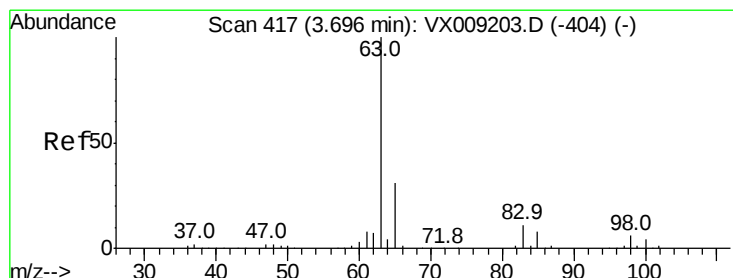
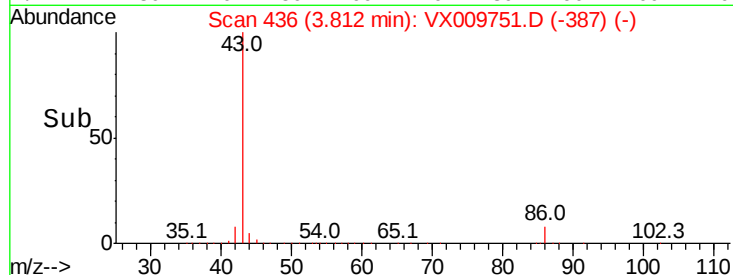
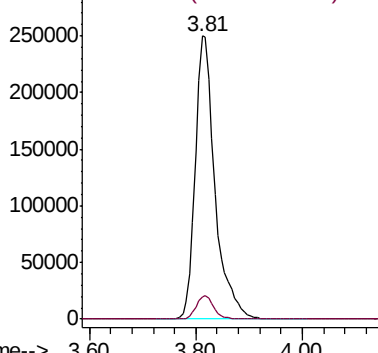
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.759 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

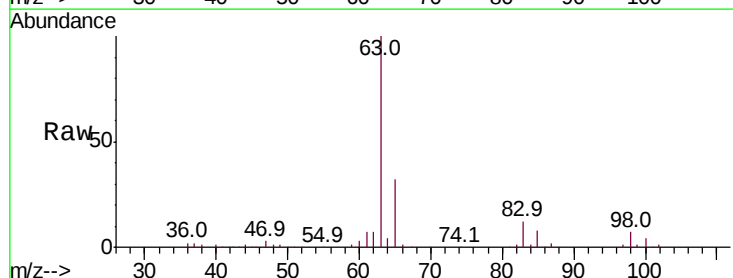
Tgt Ion: 63 Resp: 69296

Ion Ratio Lower Upper

63 100

98 7.0 3.0 9.2

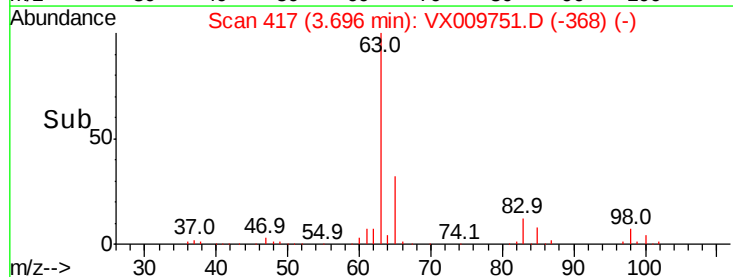
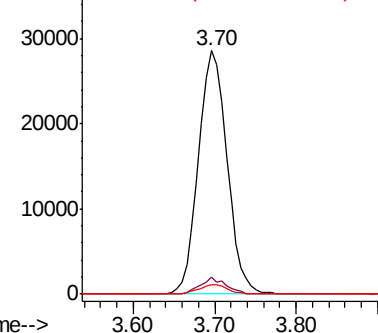
100 4.1 2.0 6.0

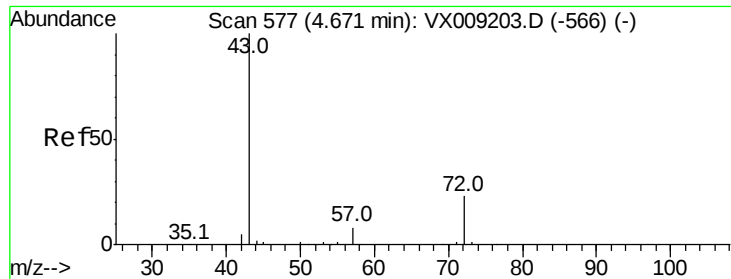


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 100.233 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS03

Tot Ion: 43 Resp: 194426

Ion Ratio Lower Upper

43 100

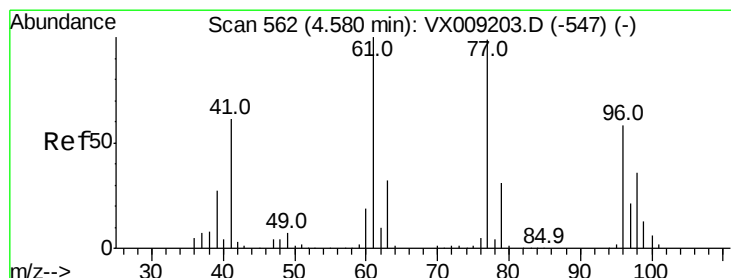
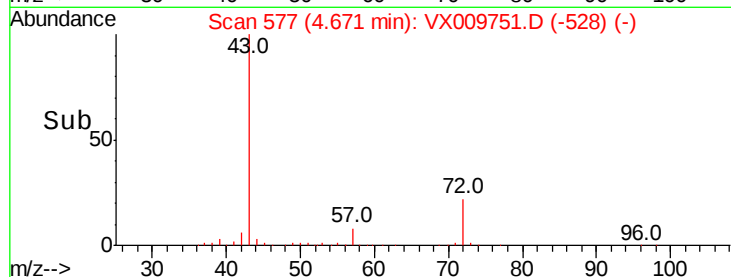
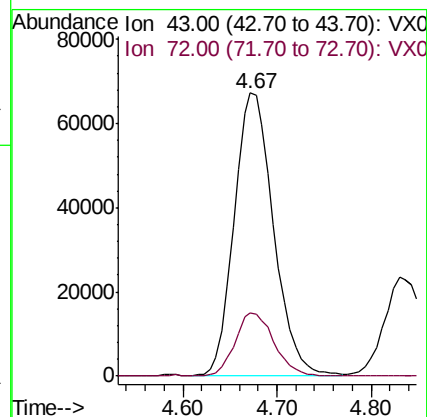
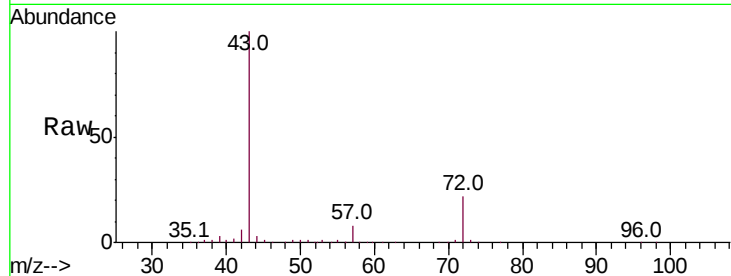
72 22.2 18.2 27.2

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#26

2,2-Dichloropropane

Concen: 19.089 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009751.D

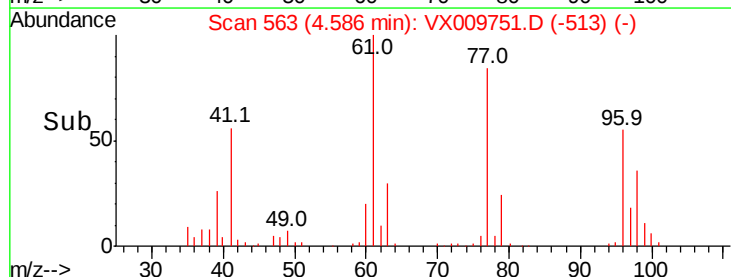
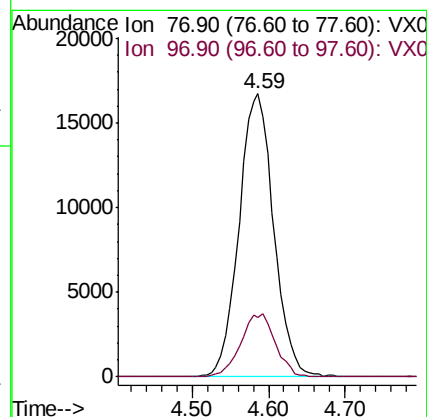
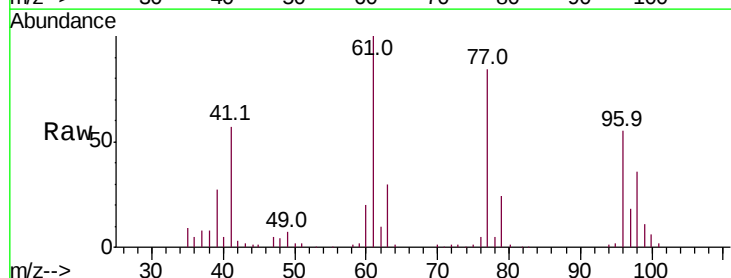
Acq: 21 May 2019 16:34

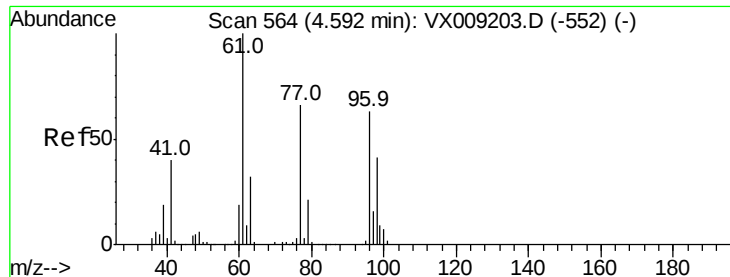
Tgt Ion: 77 Resp: 52489

Ion Ratio Lower Upper

77 100

97 22.2 11.5 34.4





#27

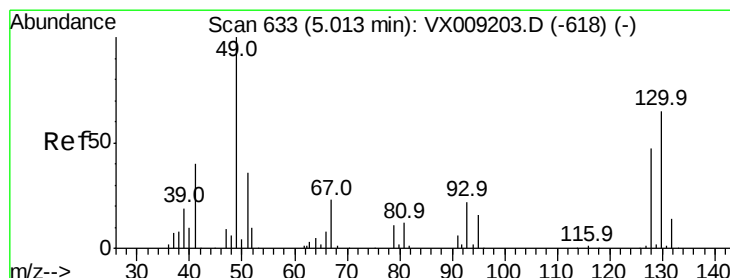
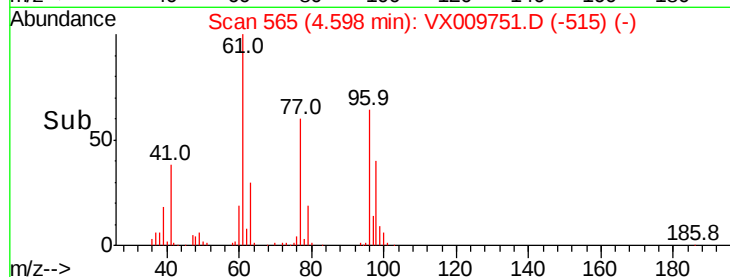
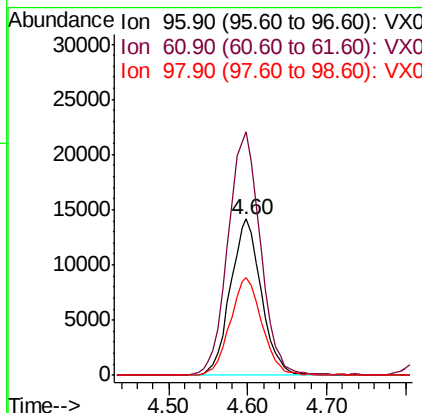
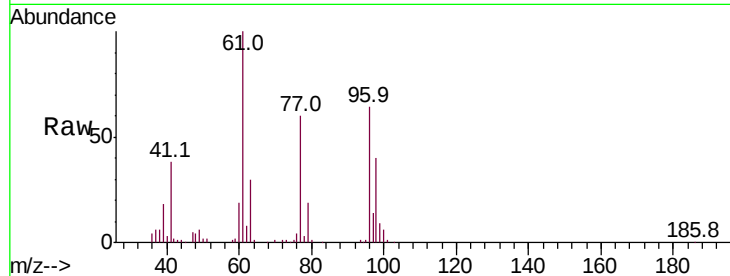
cis-1,2-Dichloroethene
Concen: 18.656 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.1	0.0	324.0
98	64.2	0.0	130.4

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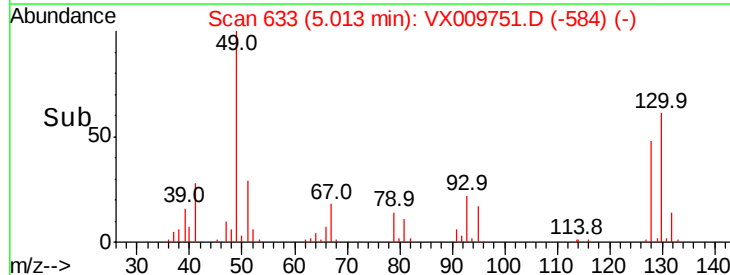
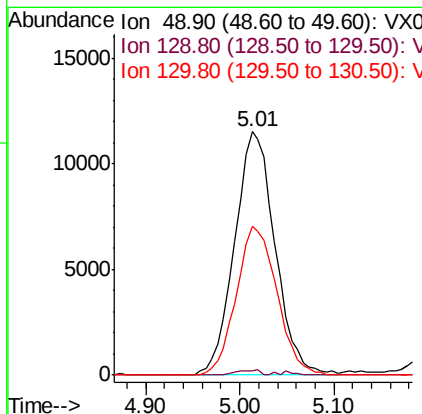
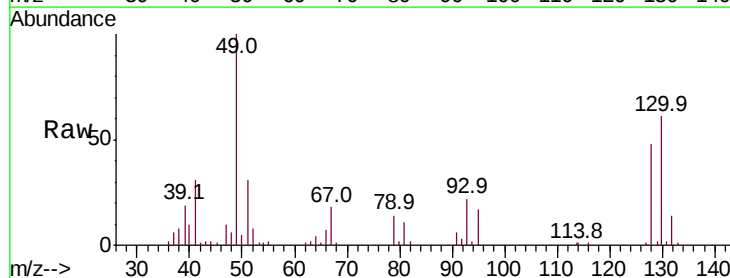
MMDadoda
5/22/2019 9:40:48 AM

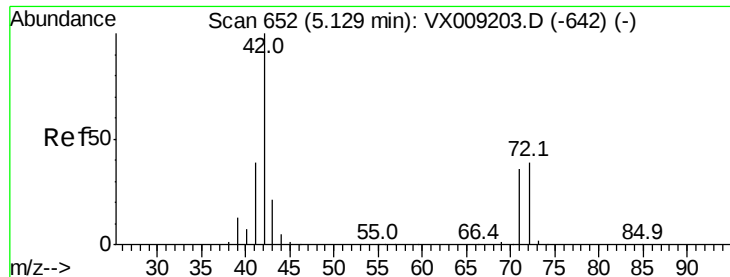


#28

Bromochloromethane
Concen: 21.668 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	61.4	51.2	76.8





#29

Tetrahydrofuran

Concen: 101.194 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS03

Tot Ion: 42 Resp: 126311

Ion Ratio Lower Upper

42 100

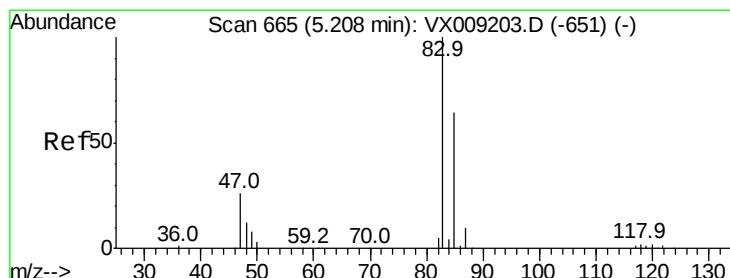
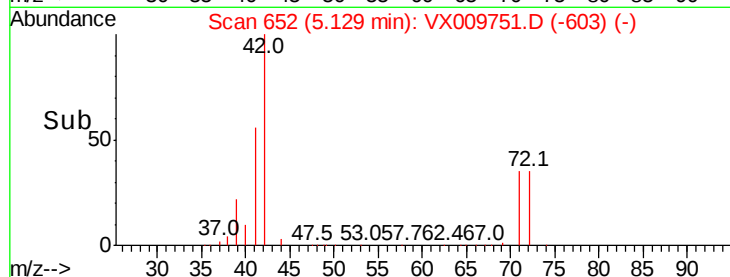
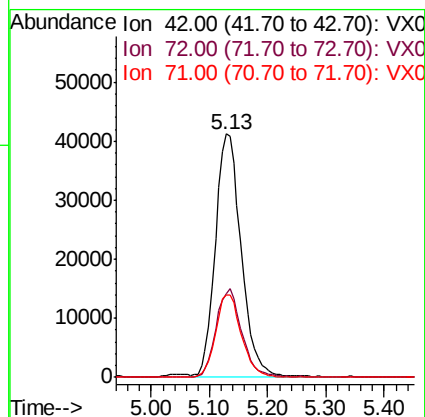
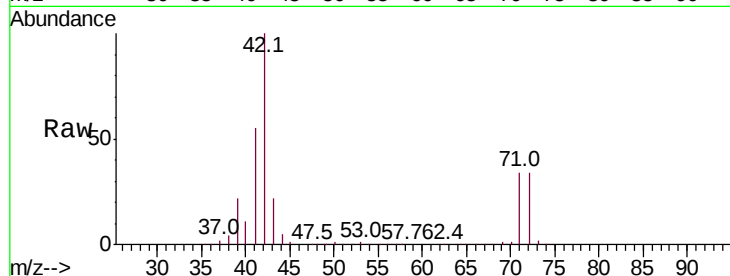
72 36.5 30.4 45.6

71 34.0 28.6 43.0

Manual Integrations
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#30

Chloroform

Concen: 18.678 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX009751.D

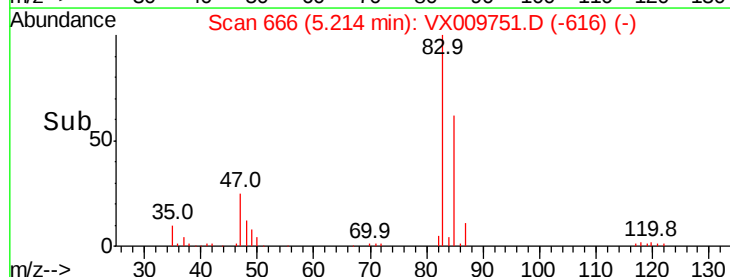
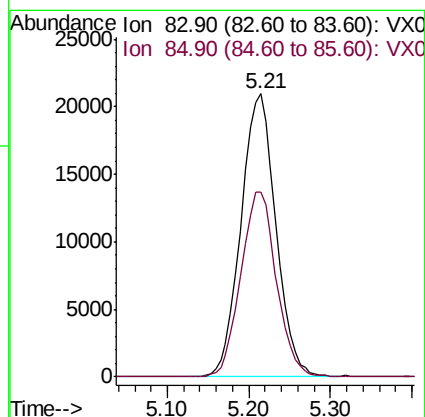
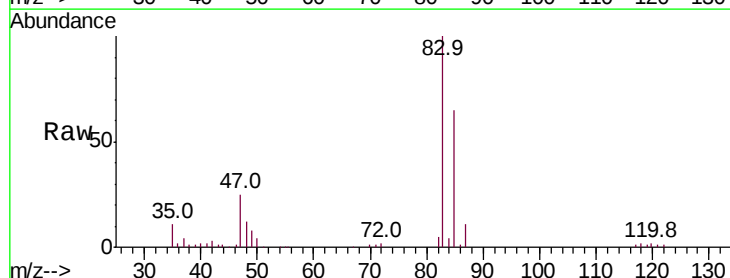
Acq: 21 May 2019 16:34

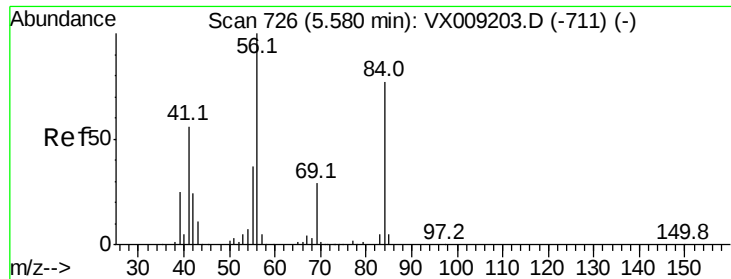
Tgt Ion: 83 Resp: 62405

Ion Ratio Lower Upper

83 100

85 65.3 51.5 77.3





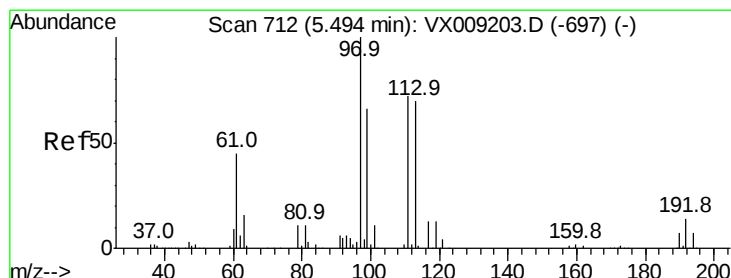
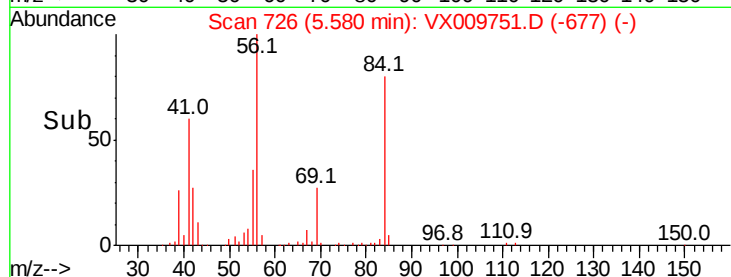
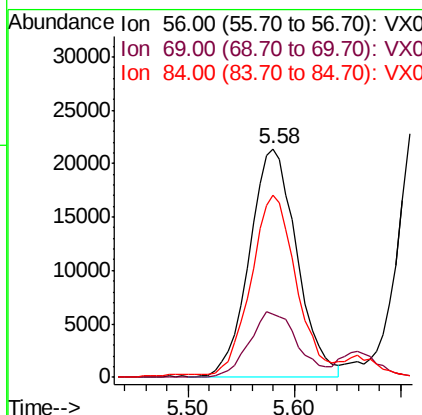
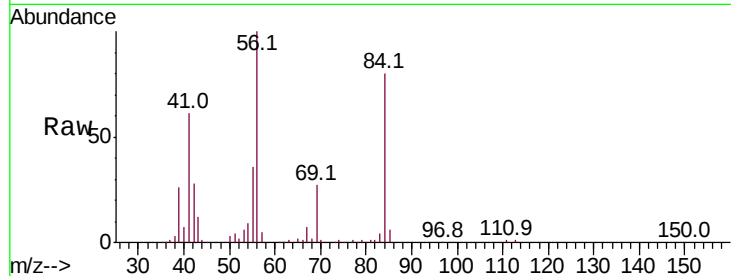
#31
Cyclohexane
Concen: 19.262 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS03

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.5	23.4	35.0
84	78.3	61.9	92.9

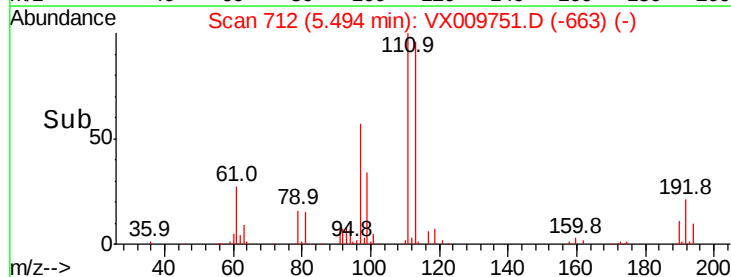
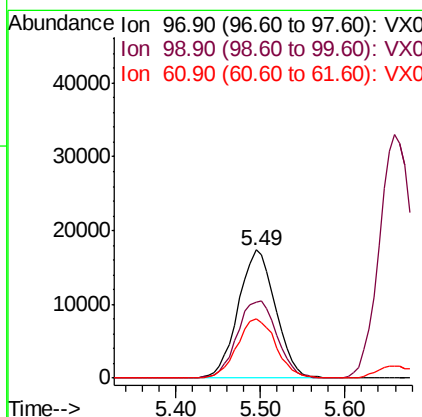
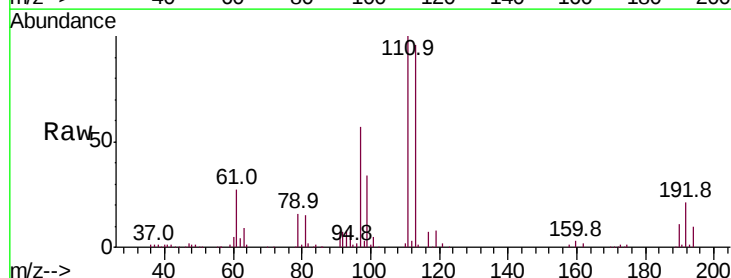
Manual Integrations
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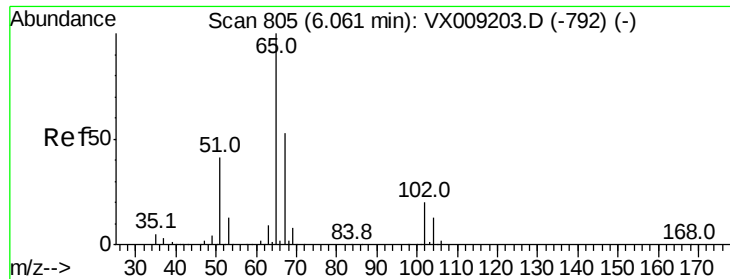
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 18.749 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	48.1	37.8	56.8





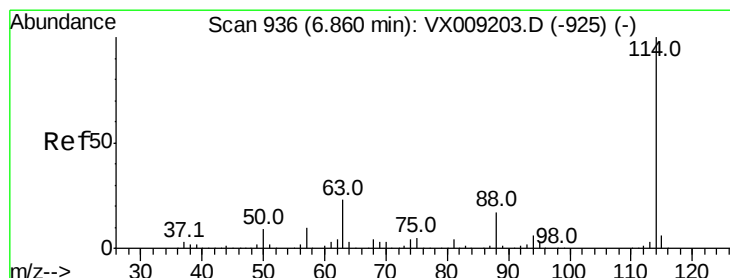
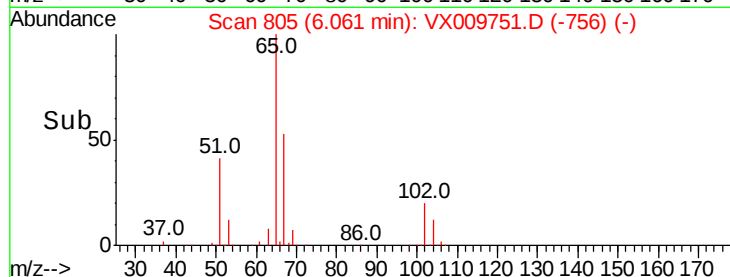
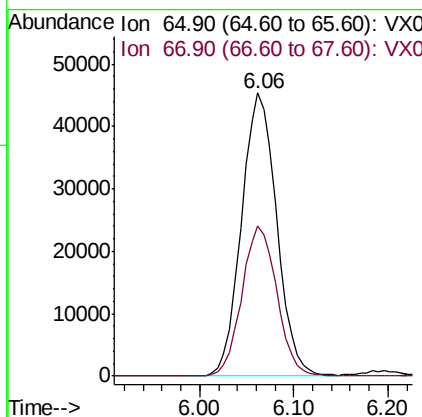
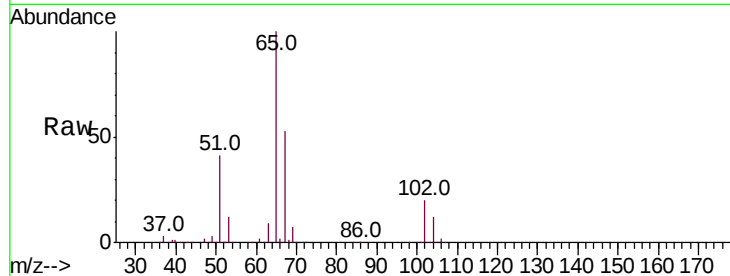
#33
 1,2-Dichloroethane-d4
 Concen: 50.794 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009751.D
 Acq: 21 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampled :
 VX0521WBS03

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	106.6

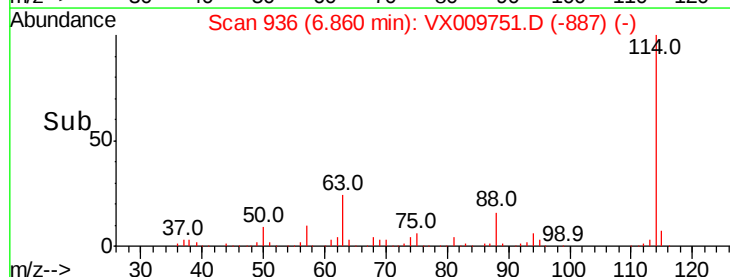
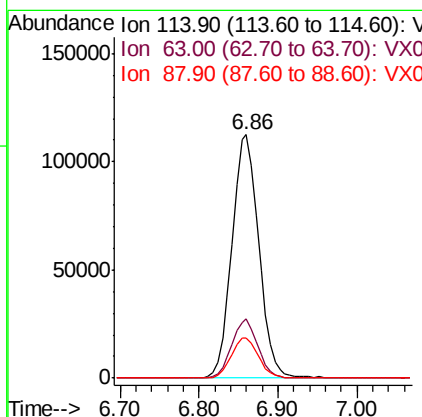
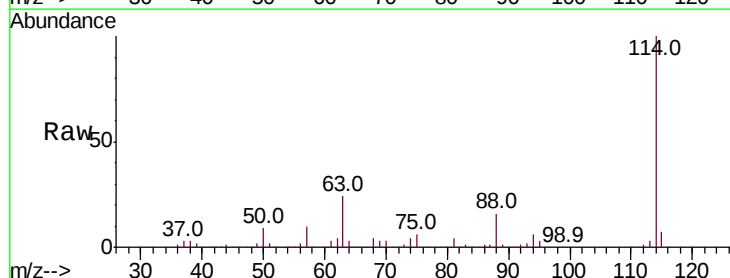
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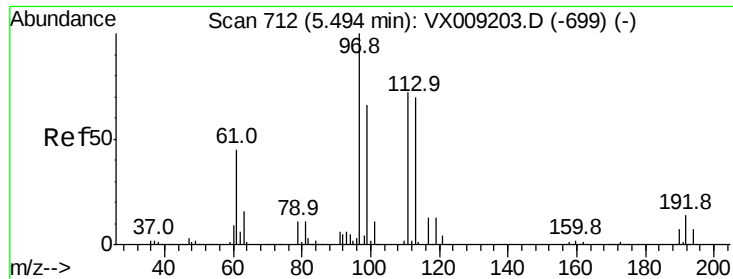
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009751.D
 Acq: 21 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	45.6
88	16.4	0.0	33.2





#35

Dibromofluoromethane

Concen: 50.530 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

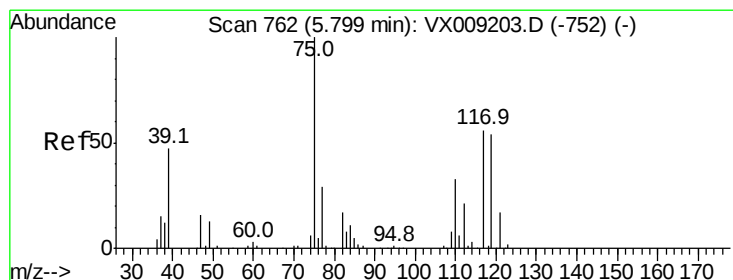
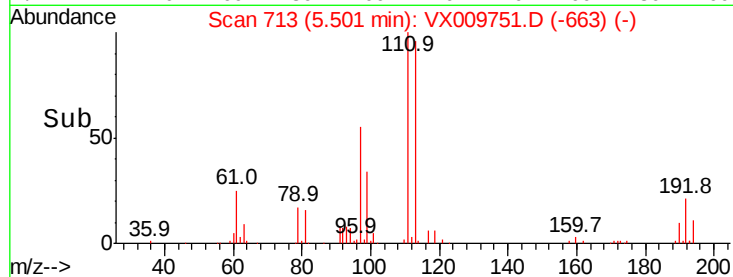
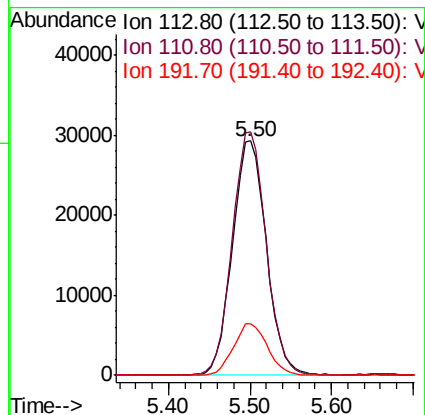
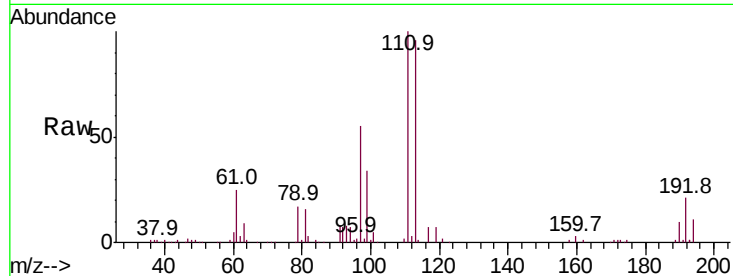
ClientSampleId :

VX0521WBS03

Tot Ion:	113	Resp:	84671
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.8	124.2
192	22.0	17.0	25.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.594 ug/l

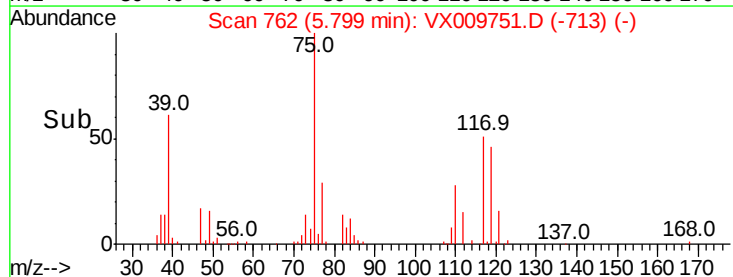
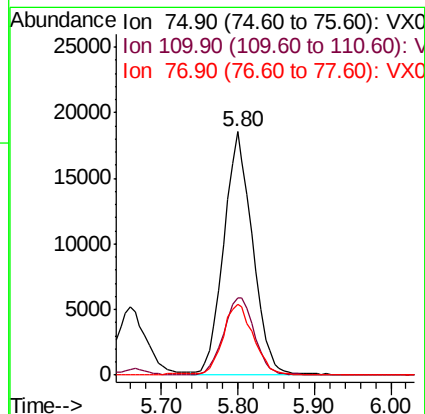
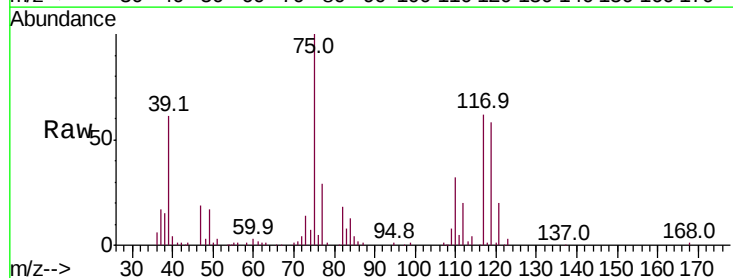
RT: 5.80 min Scan# 762

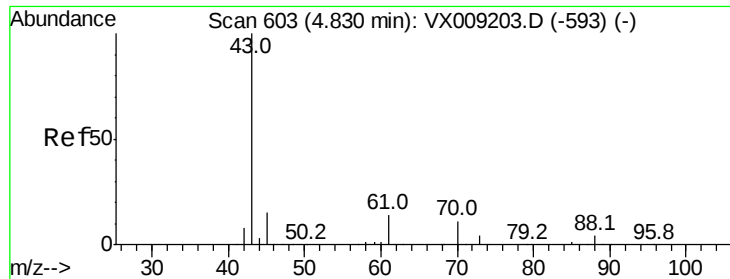
Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Tgt Ion:	75	Resp:	48537
Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.9	50.6
77	30.7	24.8	37.2





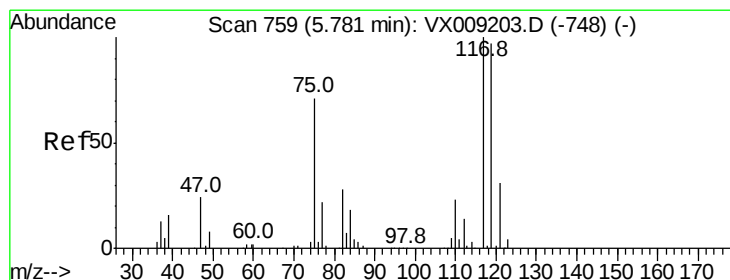
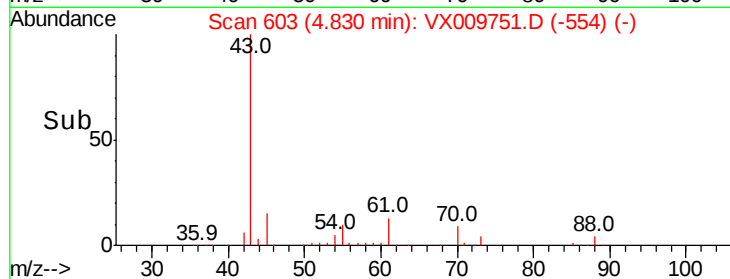
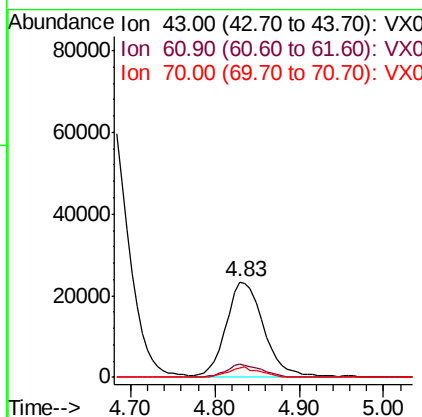
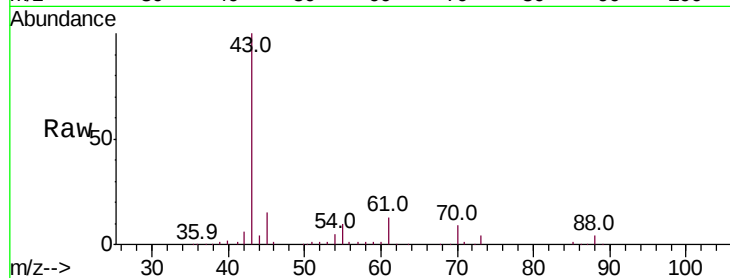
#37
Ethyl Acetate
Concen: 20.219 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.5	15.7
70	9.5	7.9	11.9

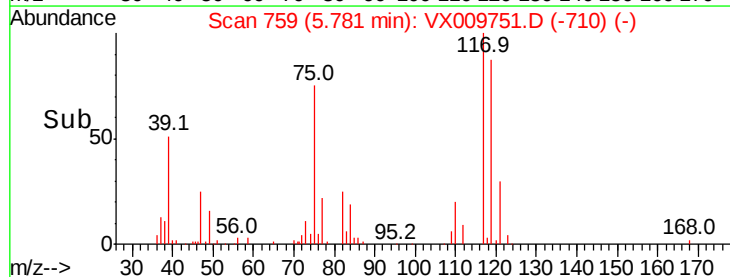
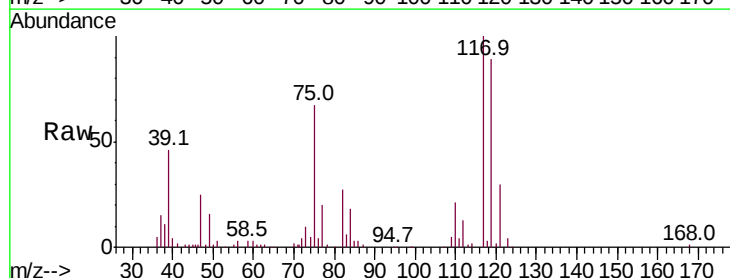
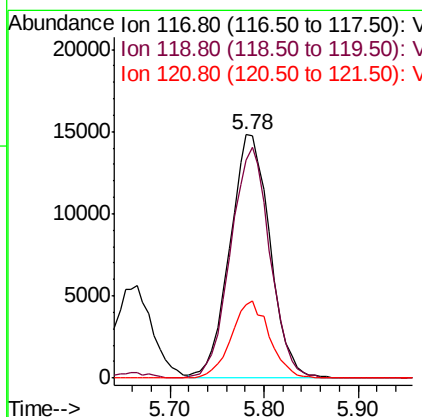
Manual Integrations
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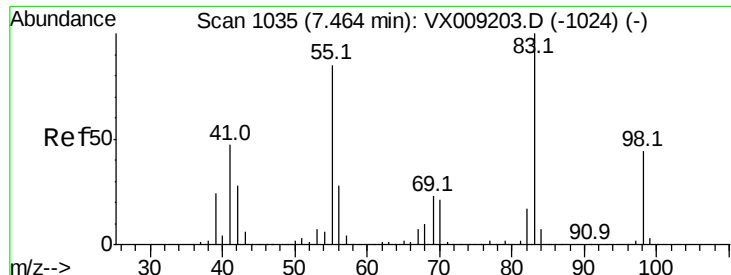
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.540 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.0	77.5	116.3
121	30.2	24.7	37.1





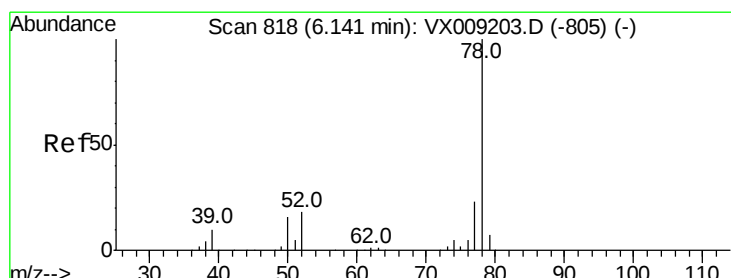
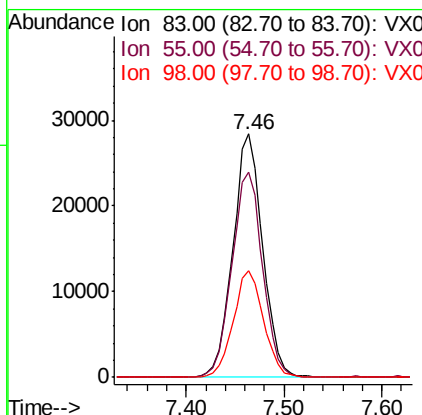
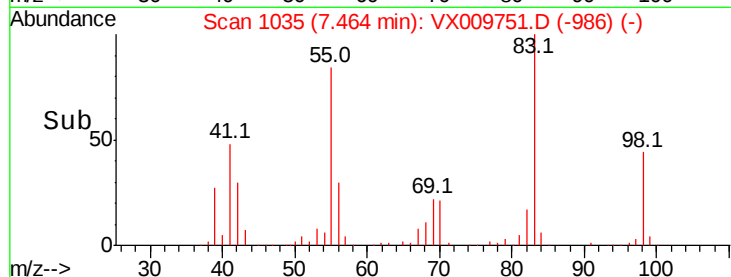
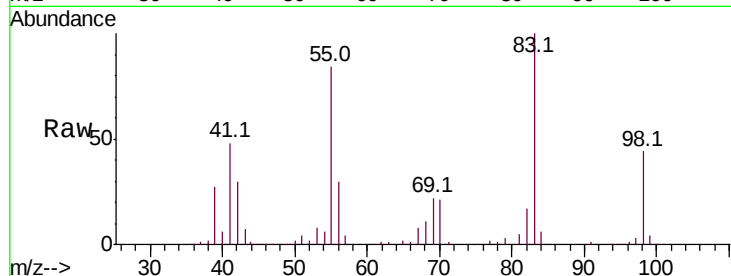
#39
Methvlcvclohexane
Concen: 19.687 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS03

Tot Ion	83	Resp	59892
Ion Ratio	100	Lower	Upper
83	100		
55	84.1	67.7	101.5
98	43.9	35.5	53.3

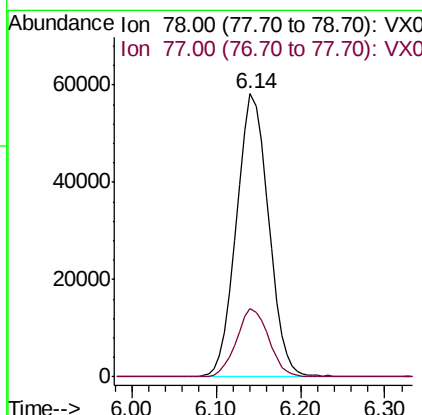
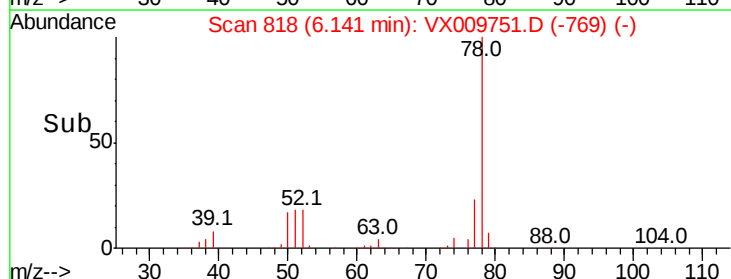
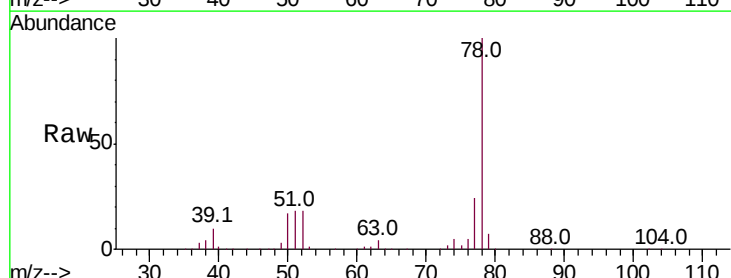
Manual Integrations
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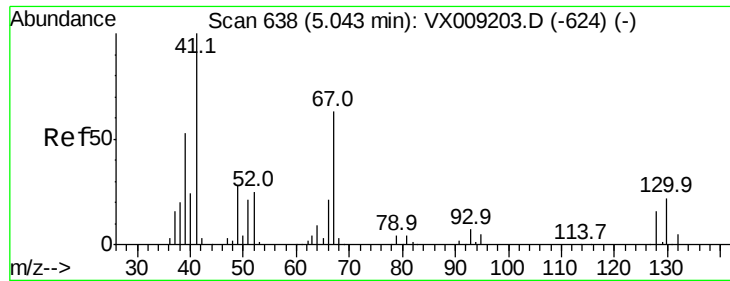
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#40
Benzene
Concen: 19.634 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Tgt Ion	78	Resp	150524
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	18.8	28.2





#41

Methacrylonitrile

Concen: 19.490 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

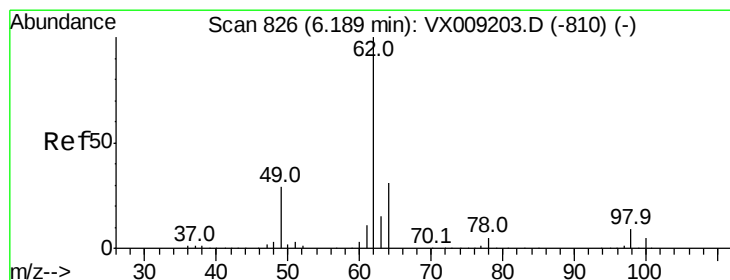
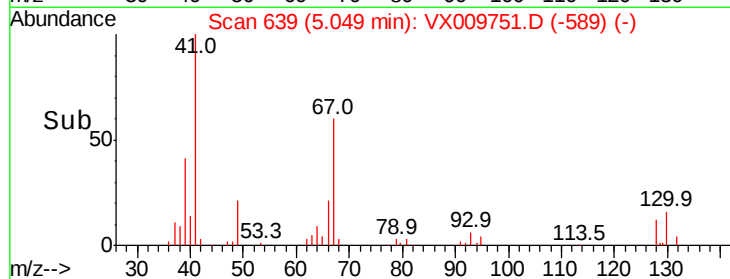
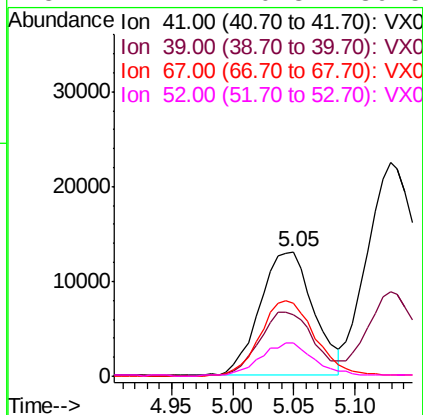
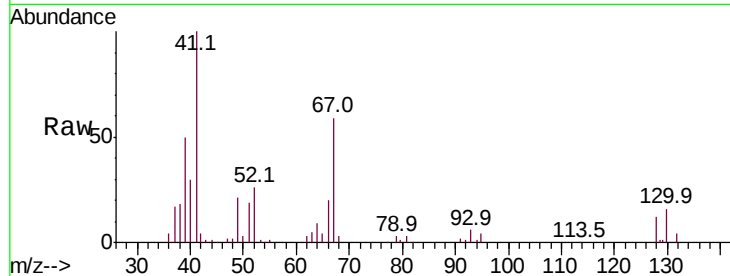
ClientSampleId :

VX0521WBS03

Tot Ion:	41	Resp:	40042
Ion	Ratio	Lower	Upper
41	100		
39	52.0	42.0	63.0
67	63.1	49.8	74.8
52	27.7	20.3	30.5

Manual Integrations
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5/22/2019 9:40:48 AM



#42

1,2-Dichloroethane

Concen: 20.158 ug/l

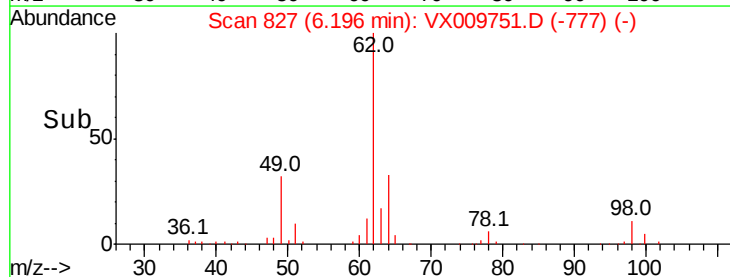
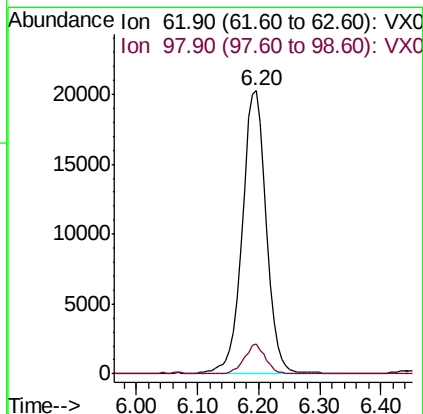
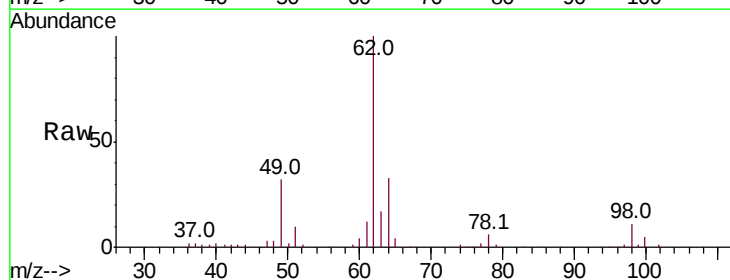
RT: 6.20 min Scan# 827

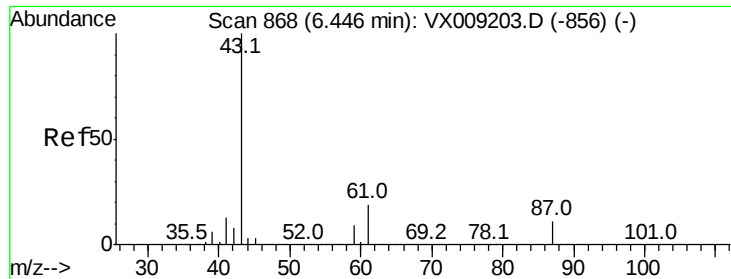
Delta R.T. 0.01 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Tgt Ion:	62	Resp:	55436
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2





#43

Isopropyl Acetate

Concen: 19.824 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

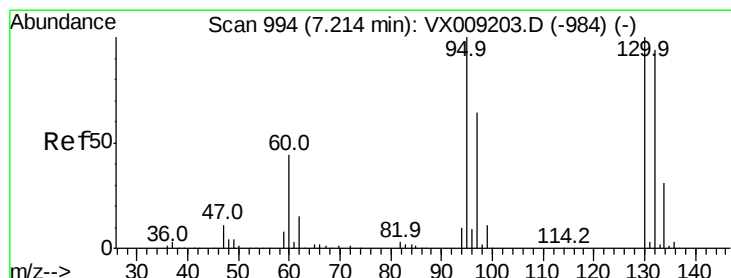
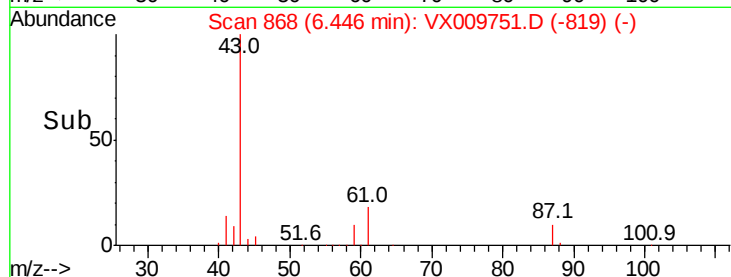
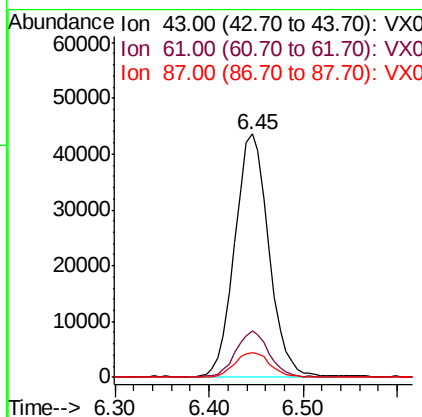
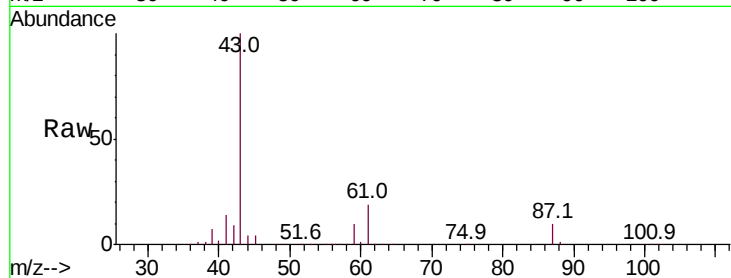
ClientSampleId :

VX0521WBS03

Tot Ion:	43	Resp:	109440
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.1	22.7
87	10.8	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 18.803 ug/l

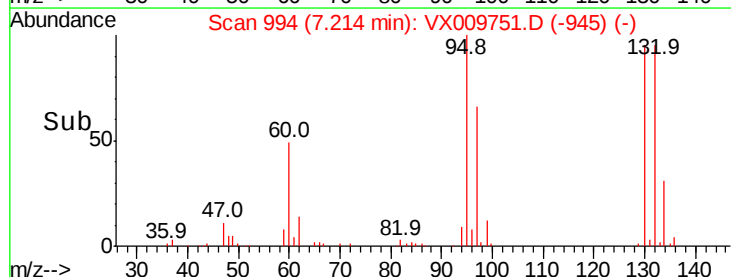
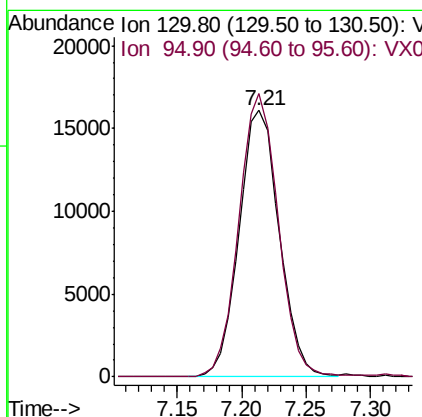
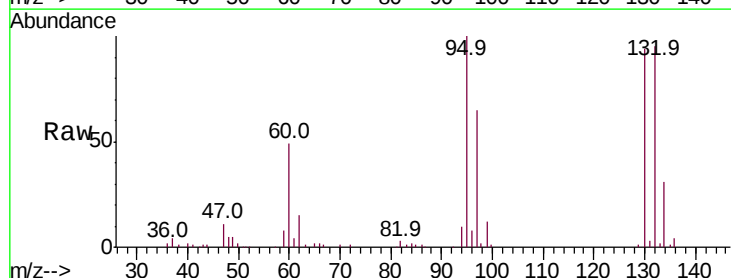
RT: 7.21 min Scan# 994

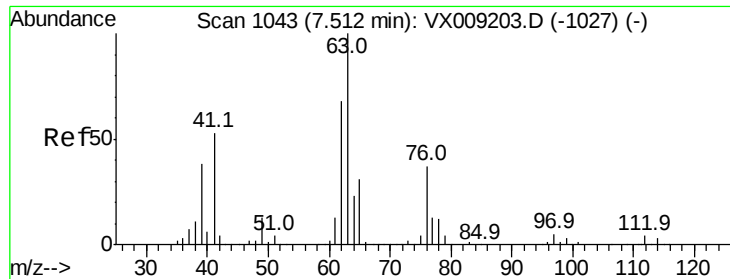
Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Tgt Ion:	130	Resp:	34848
Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	199.2





#45

1,2-Dichloropropane

Concen: 19.656 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS03

Tot Ion: 63 Resp: 42668

Ion Ratio Lower Upper

63 100

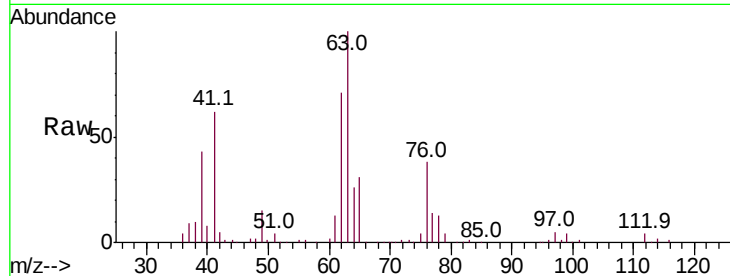
65 31.0 25.0 37.6

Manual Integrations

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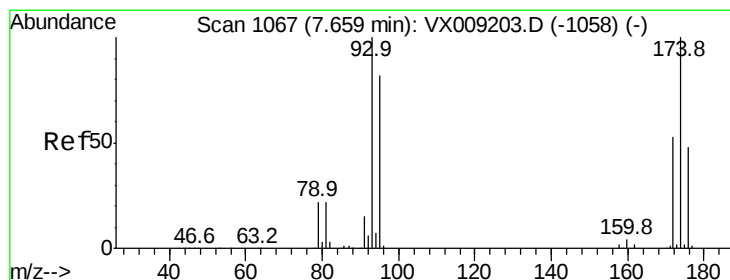
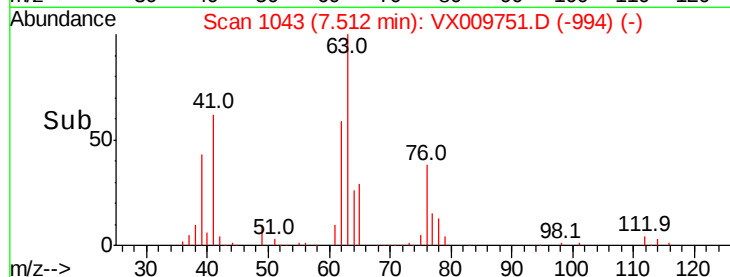
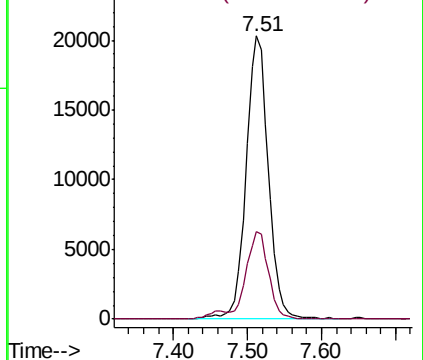
MMDadoda

5/22/2019 9:40:48 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.507 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

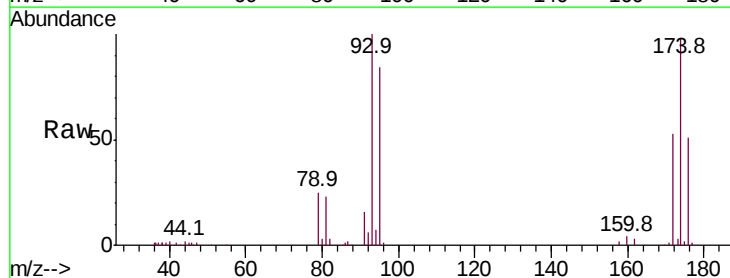
Tgt Ion: 93 Resp: 24590

Ion Ratio Lower Upper

93 100

95 83.6 66.5 99.7

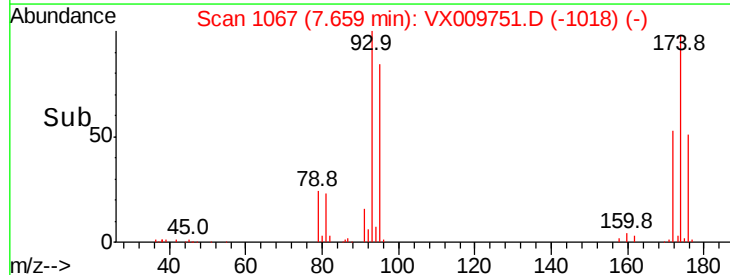
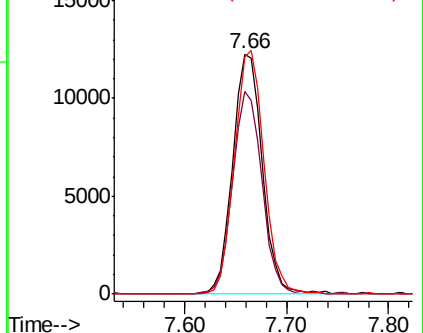
174 100.8 82.1 123.1

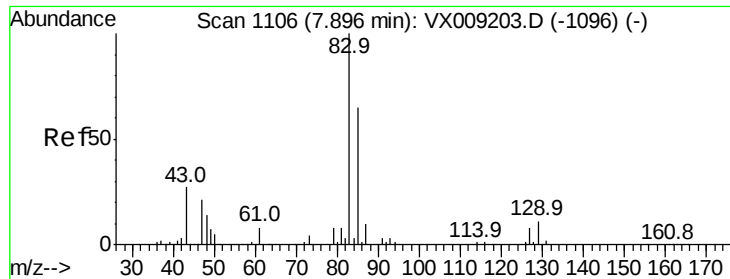


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





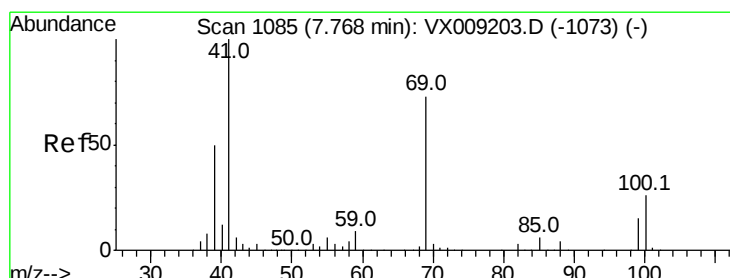
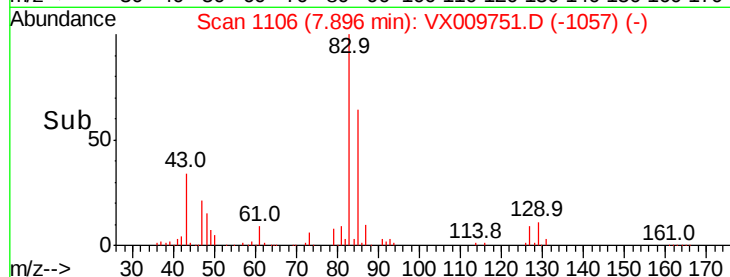
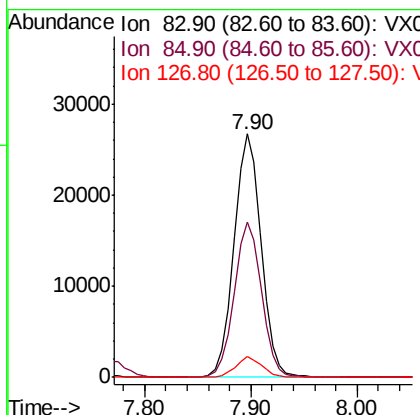
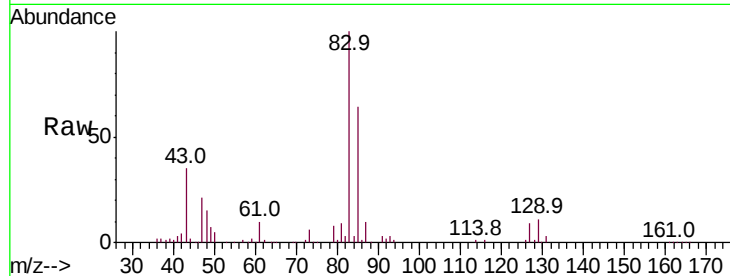
#47
Bromodichloromethane
Concen: 19.036 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS03

Tot Ion	83	Resp	47867
Ion Ratio	100	Lower	Upper
85	64.0	52.4	78.6
127	8.8	6.6	10.0

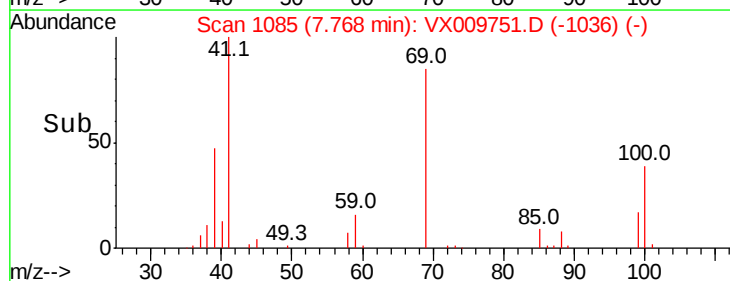
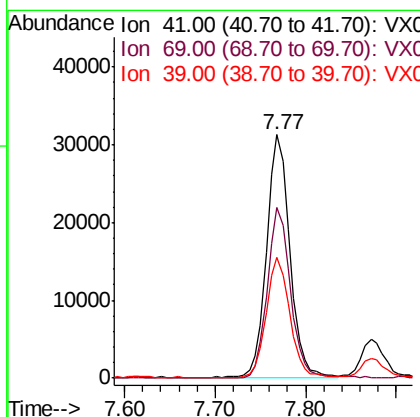
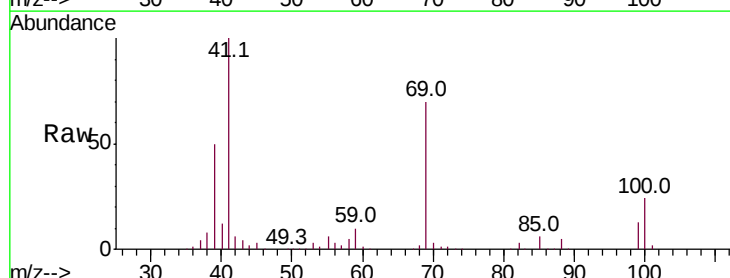
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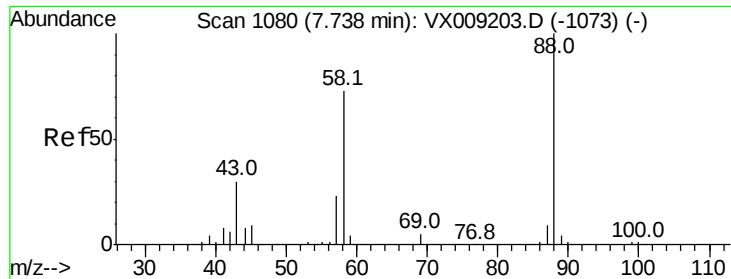
MMDadoda
5/22/2019 9:40:48 AM



#48
Methyl methacrylate
Concen: 20.522 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Tgt Ion	41	Resp	56208
Ion Ratio	100	Lower	Upper
69	69.9	59.1	88.7
39	50.7	40.4	60.6





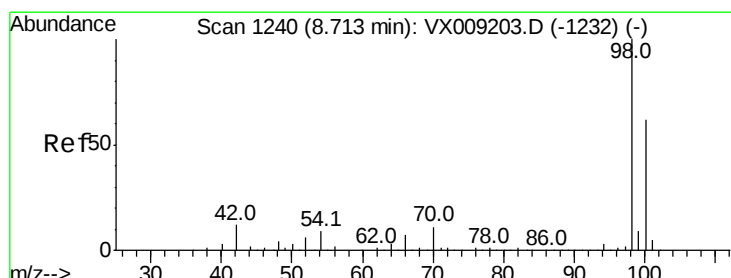
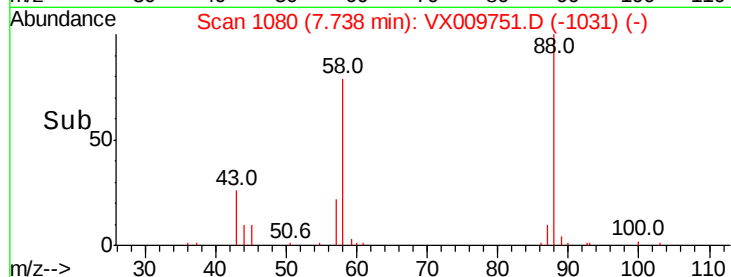
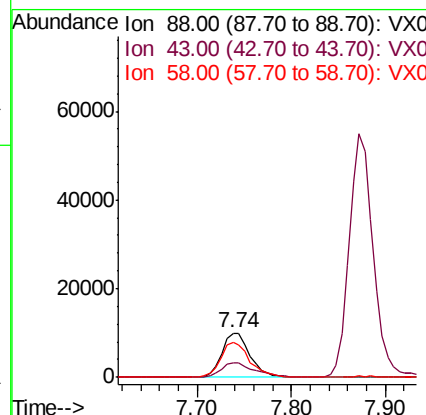
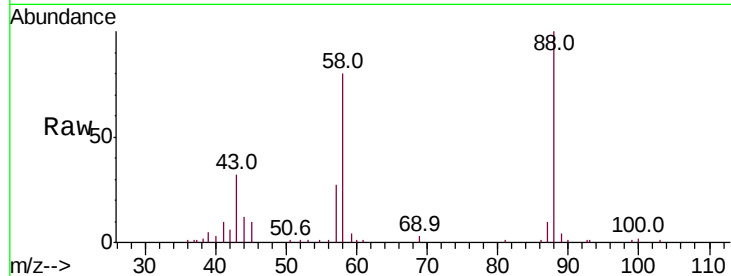
#49
 1,4-Dioxane
 Concen: 378.034 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX009751.D
 Acq: 21 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.3	28.6	42.8
58	79.1	61.7	92.5

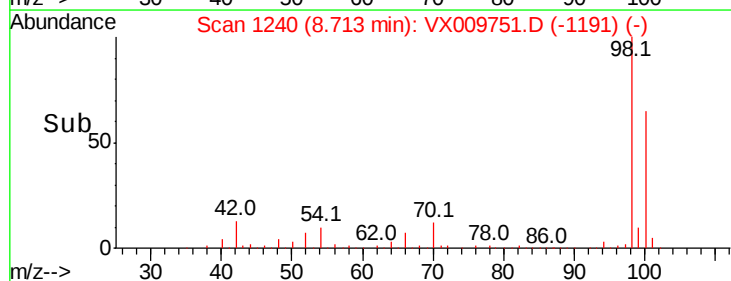
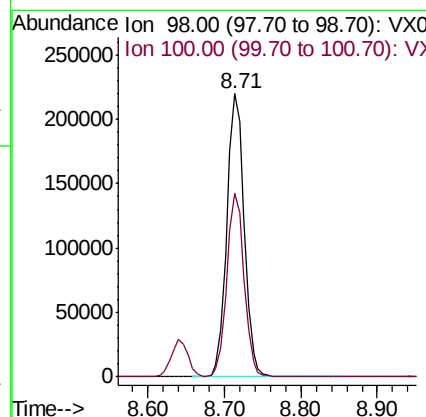
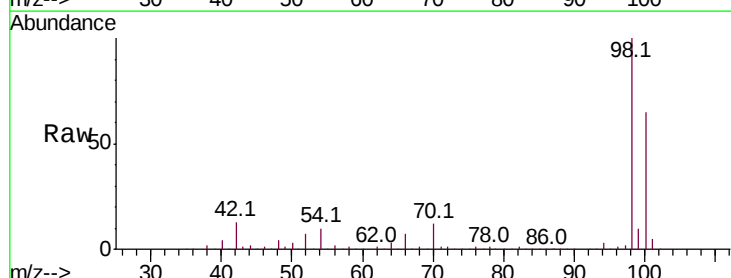
Manual Integrations
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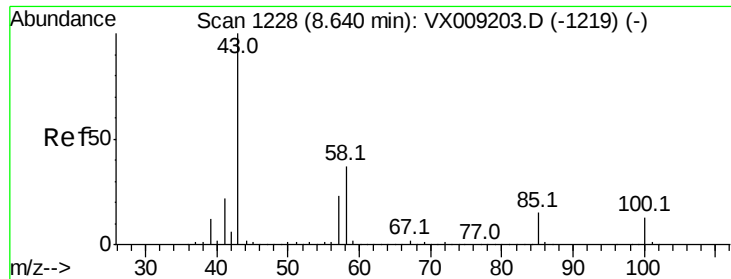
MMDadoda
 5/22/2019 9:40:48 AM



#50
 Toluene-d8
 Concen: 51.109 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009751.D
 Acq: 21 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 102.287 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampled :

VX0521WBS03

Tot Ion: 43 Resp: 369096

Ion Ratio Lower Upper

43 100

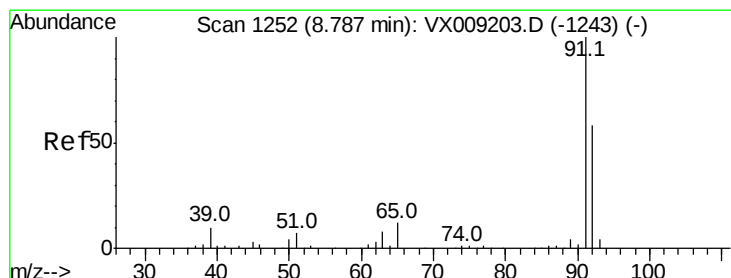
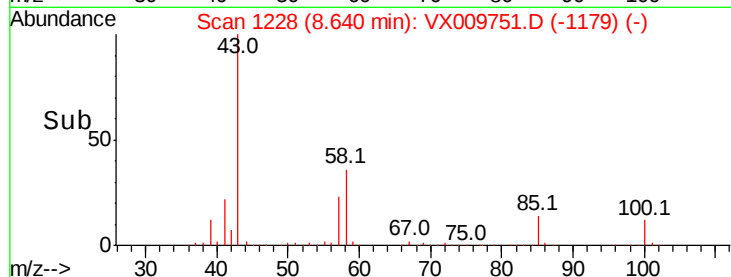
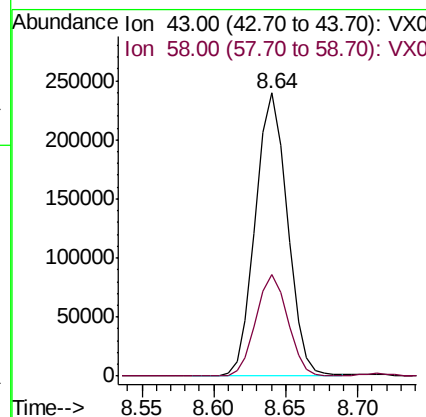
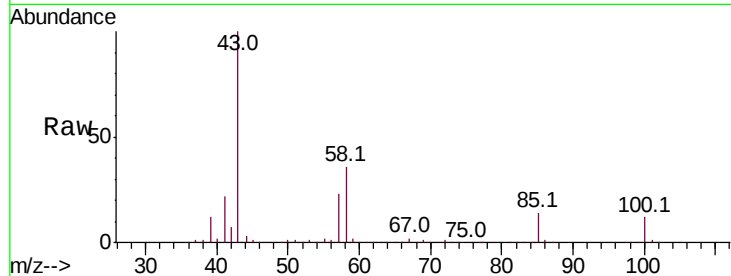
58 35.9 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 19.676 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009751.D

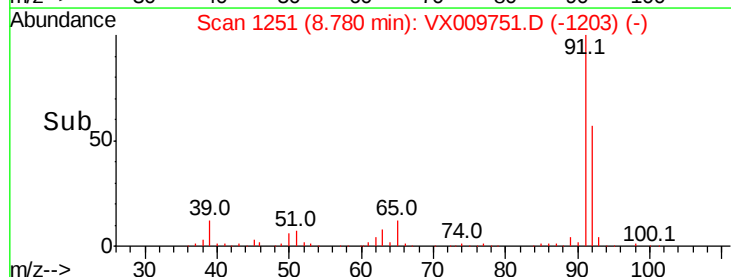
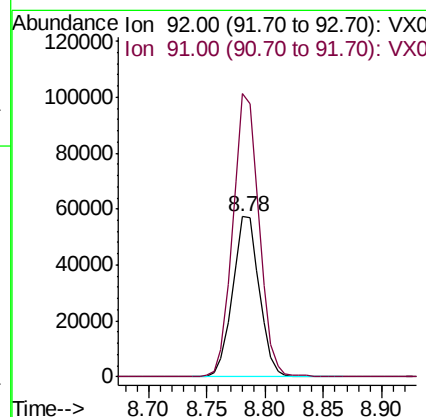
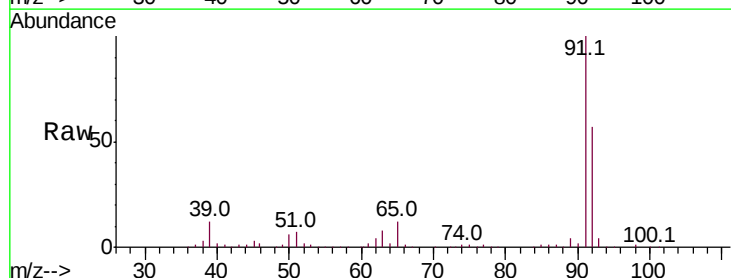
Acq: 21 May 2019 16:34

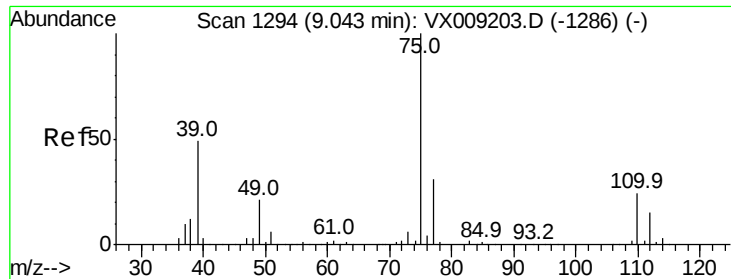
Tgt Ion: 92 Resp: 91693

Ion Ratio Lower Upper

92 100

91 173.4 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 19.260 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS03

Tot Ion: 75 Resp: 54677

Ion Ratio Lower Upper

75 100

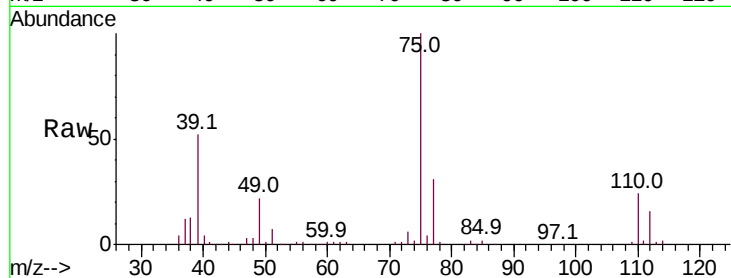
77 30.7 25.0 37.6

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

40000

30000

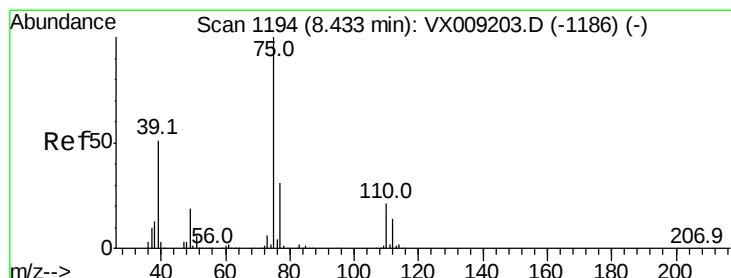
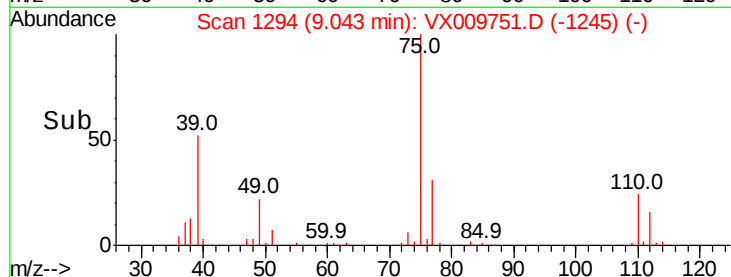
20000

10000

0

9.00 9.10 9.20

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.234 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

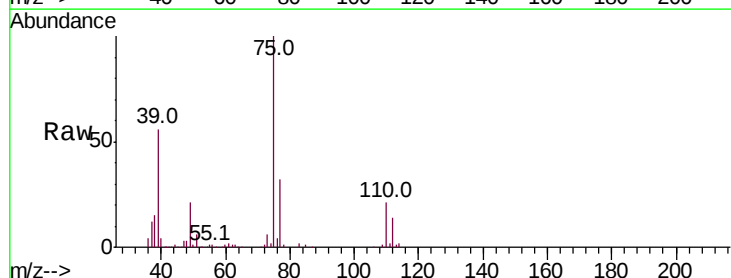
Tgt Ion: 75 Resp: 60438

Ion Ratio Lower Upper

75 100

77 31.9 24.6 36.8

39 56.0 40.6 60.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

50000

40000

30000

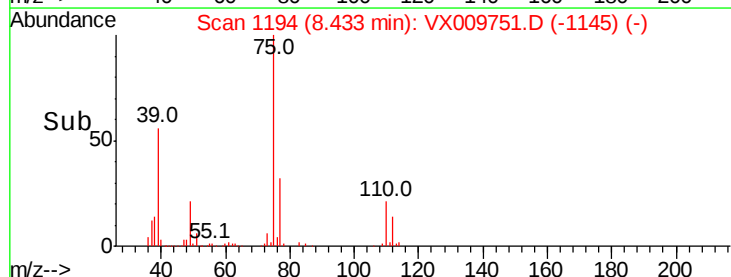
20000

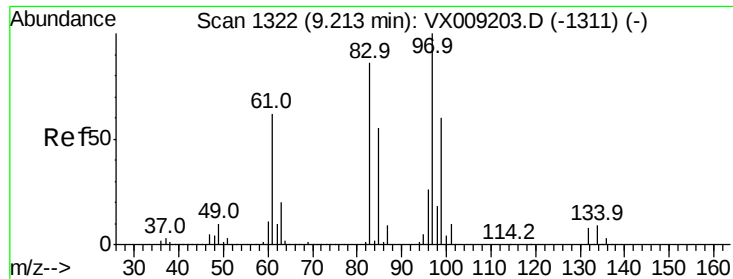
10000

0

8.40 8.50

Time-->





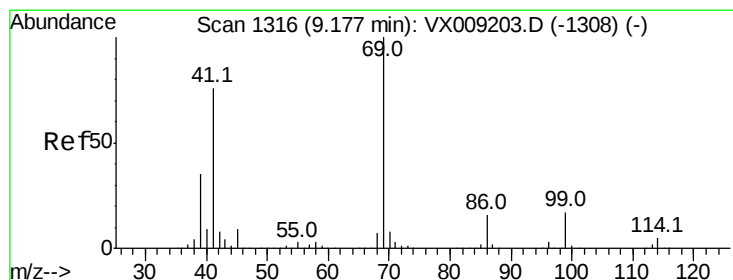
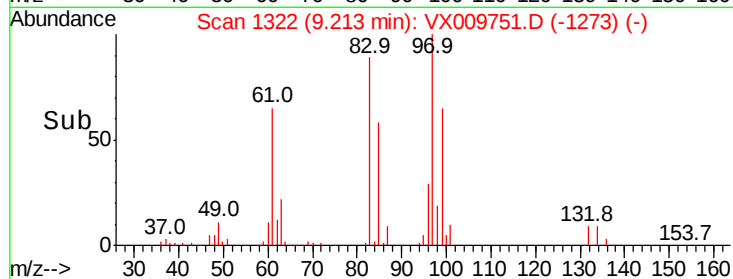
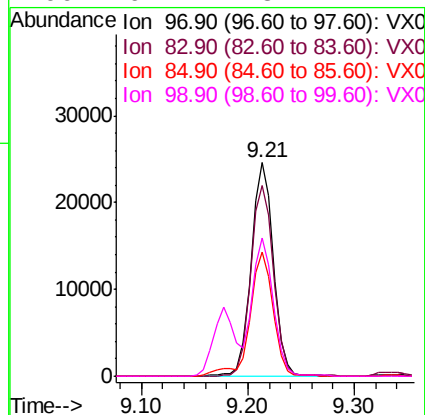
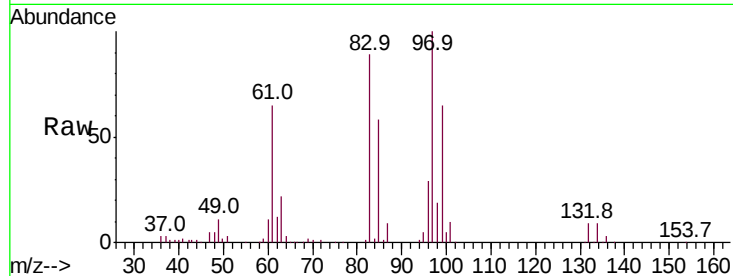
#55
1,1,2-Trichloroethane
Concen: 19.007 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		36136		
83	89.2	68.9	103.3		
85	58.4	43.8	65.6		
99	64.7	48.2	72.2		

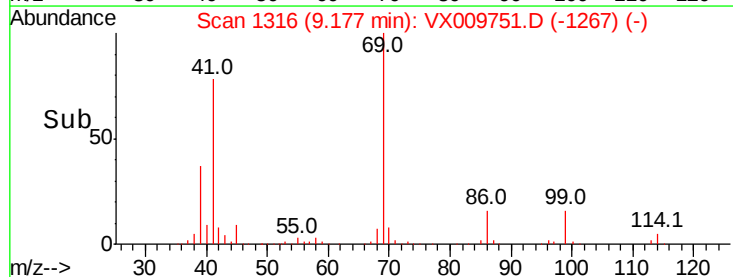
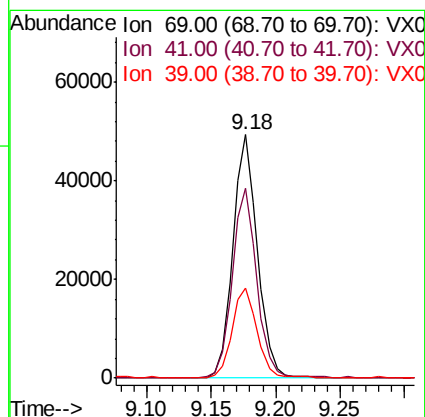
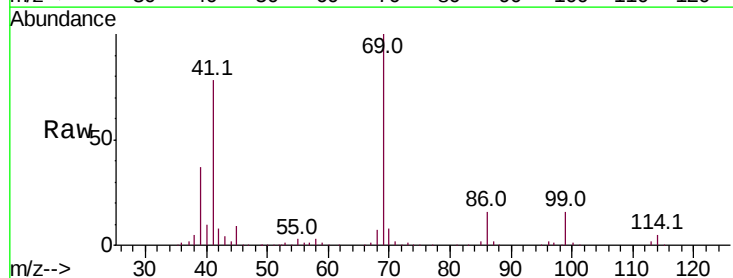
Manual Integrations
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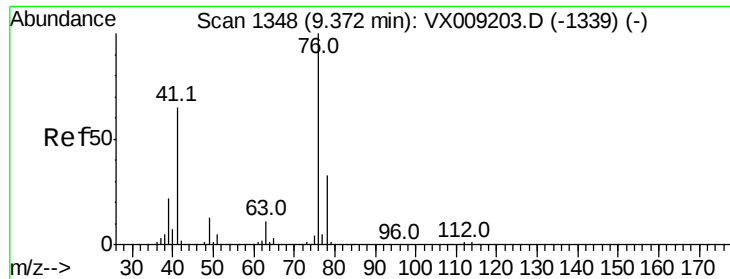
MMDadoda
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#56
Ethyl methacrylate
Concen: 19.420 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		65905		
41	76.7	60.6	90.8		
39	37.2	28.2	42.4		





#57

1,3-Dichloropropane

Concen: 19.413 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS03

Tot Ion: 76 Resp: 64948

Ion Ratio Lower Upper

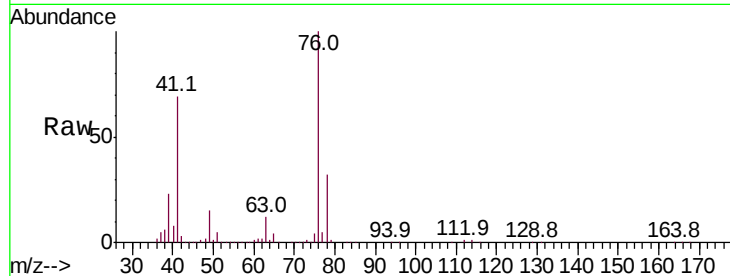
76 100

78 32.0 25.5 38.3

Manual Integrations
APPROVED

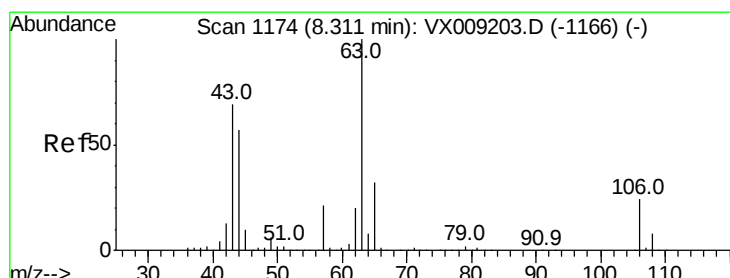
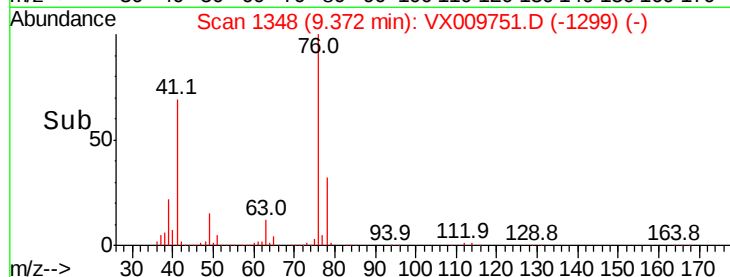
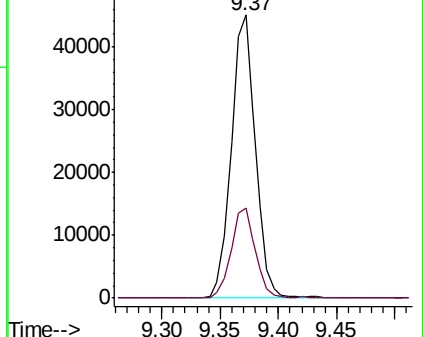
MMDadoda

5/22/2019 9:40:48 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 93.494 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009751.D

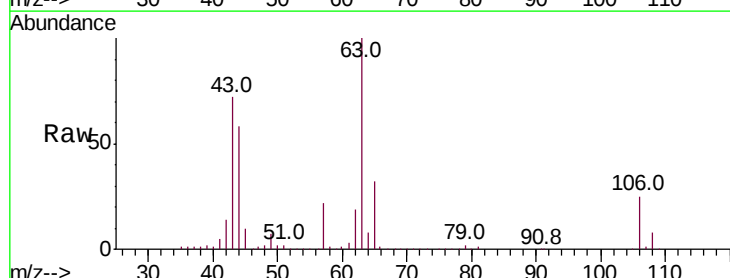
Acq: 21 May 2019 16:34

Tgt Ion: 63 Resp: 168325

Ion Ratio Lower Upper

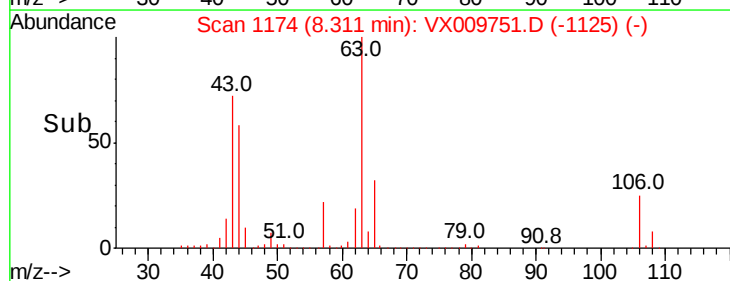
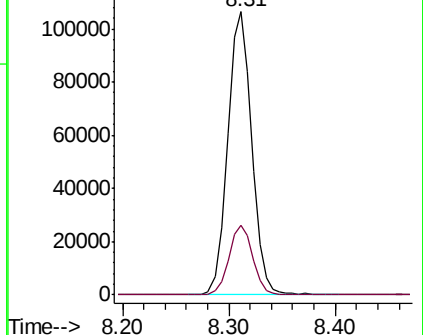
63 100

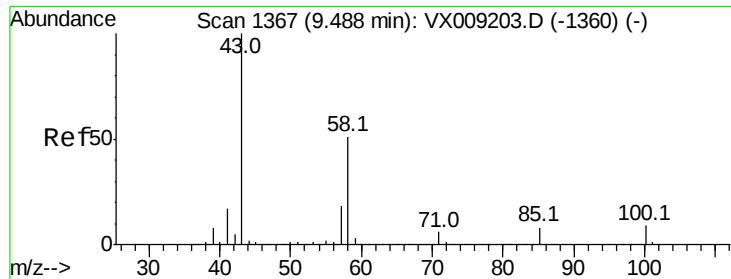
106 24.4 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





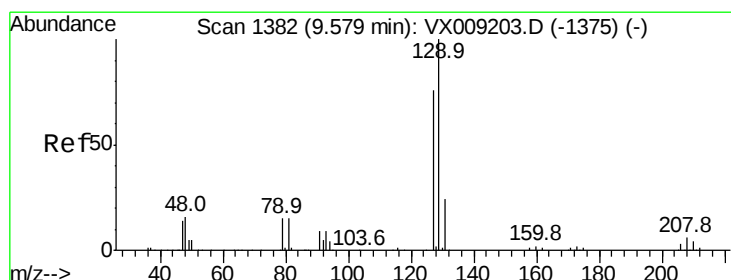
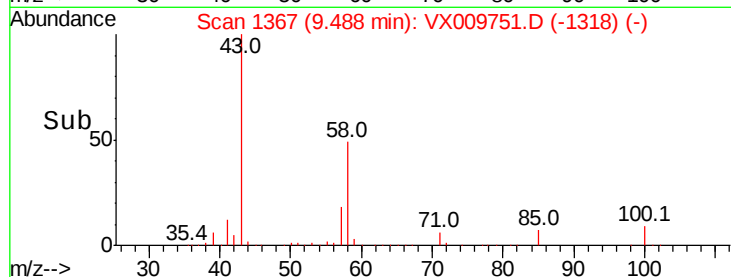
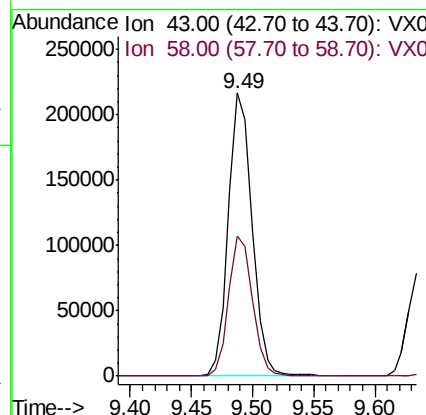
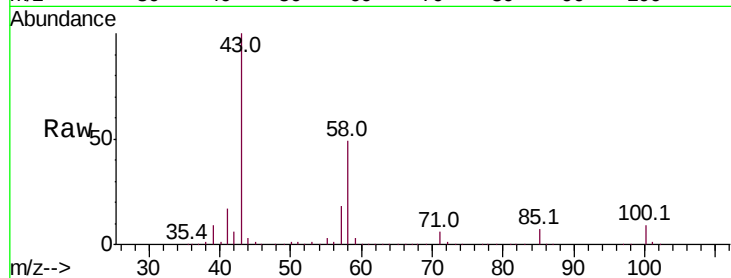
#59
2-Hexanone
Concen: 102.891 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS03

Tot Ion: 43 Resp: 291595
Ion Ratio Lower Upper
43 100
58 50.0 25.9 77.7

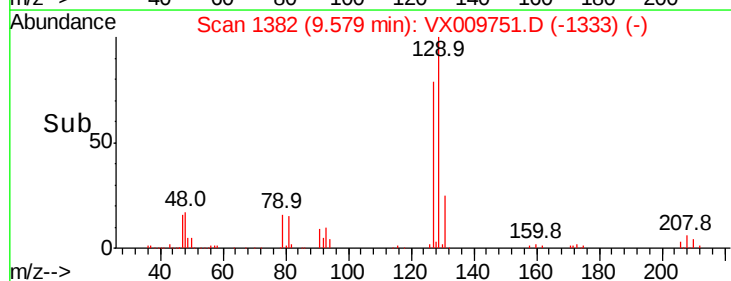
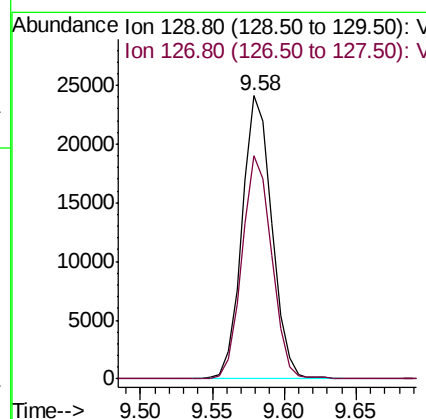
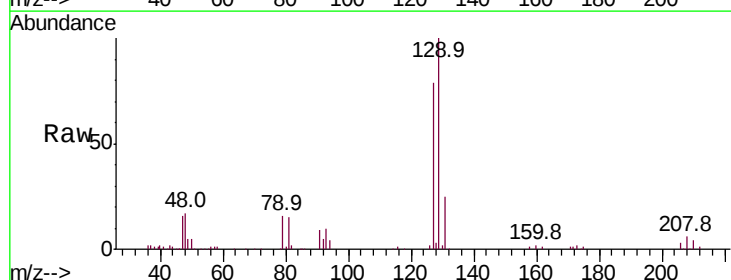
Manual Integrations
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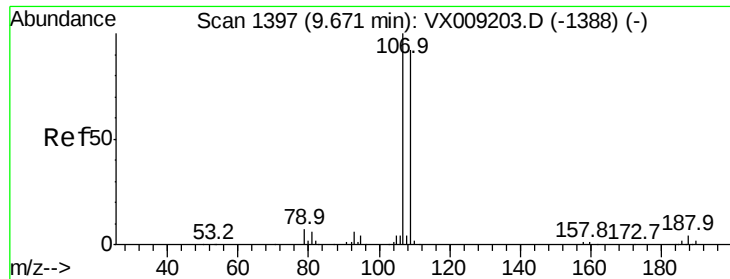
MMDadoda
5/22/2019 9:40:48 AM



#60
Dibromochloromethane
Concen: 18.633 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Tgt Ion: 129 Resp: 34600
Ion Ratio Lower Upper
129 100
127 78.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.427 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS03

Tot Ion:107 Resp: 37284

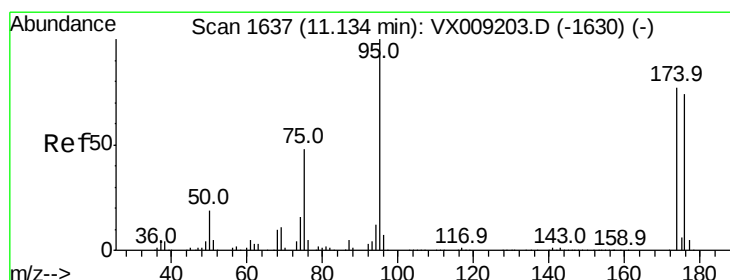
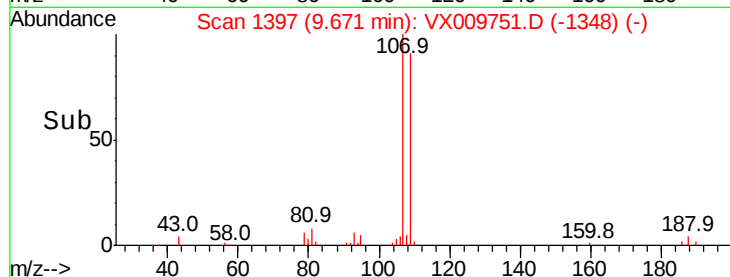
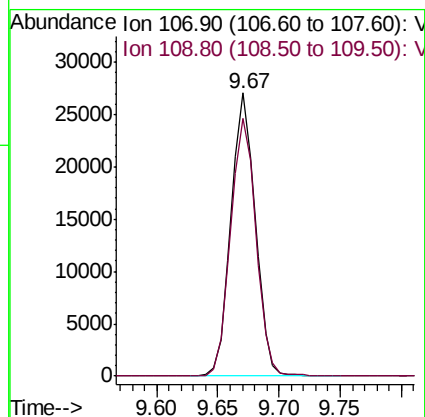
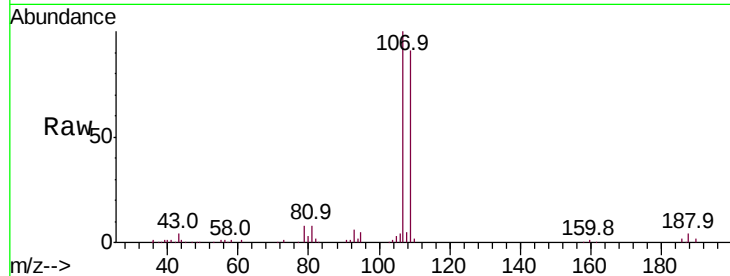
Ion Ratio Lower Upper

107 100

109 94.8 75.2 112.8

Manual Integrations
APPROVED

MMDadoda
5/22/2019 9:40:48 AM



#62

4-Bromofluorobenzene

Concen: 49.937 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

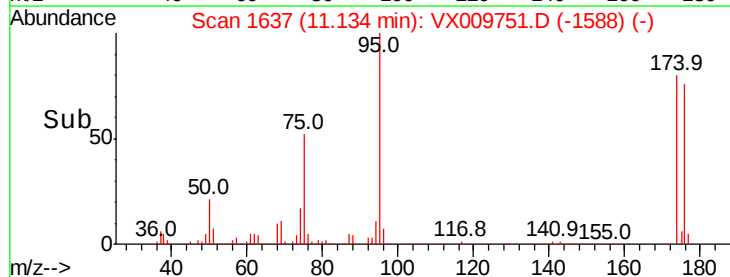
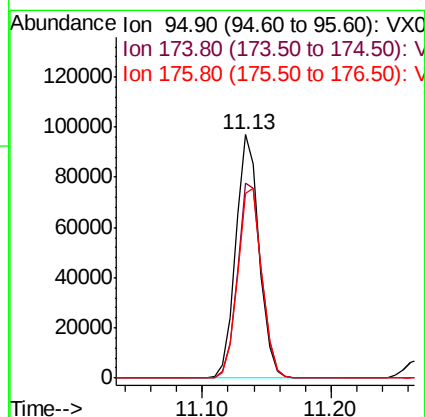
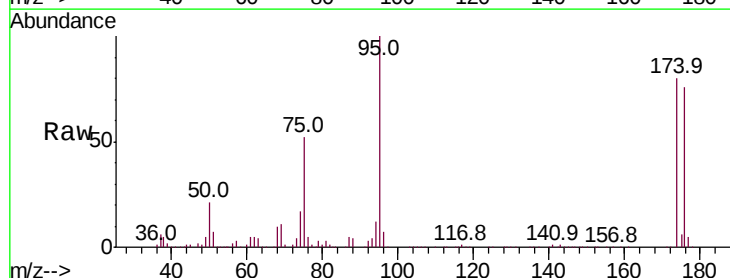
Tgt Ion: 95 Resp: 122754

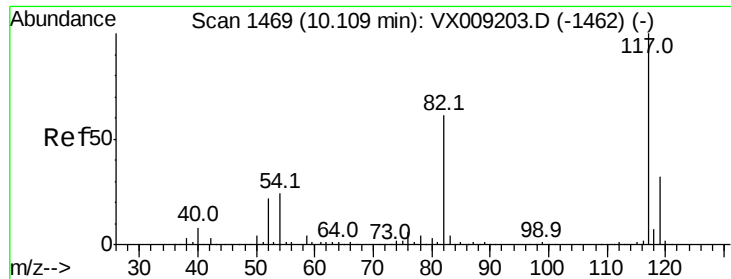
Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.6

176 80.6 0.0 159.2





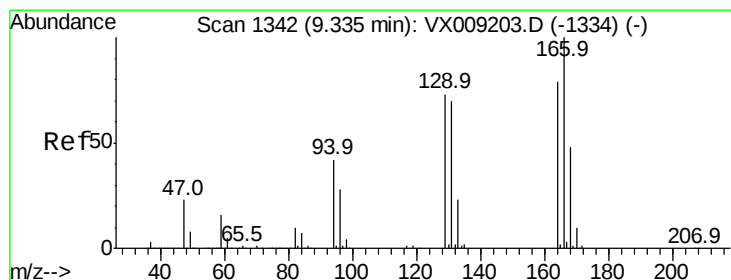
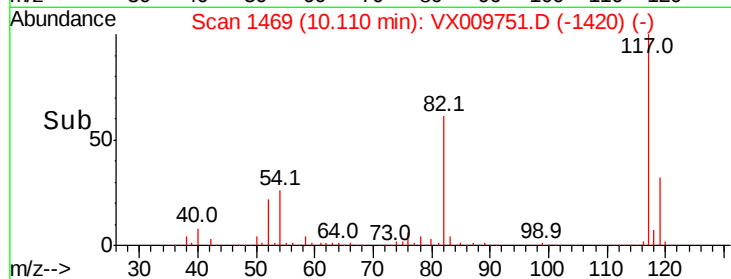
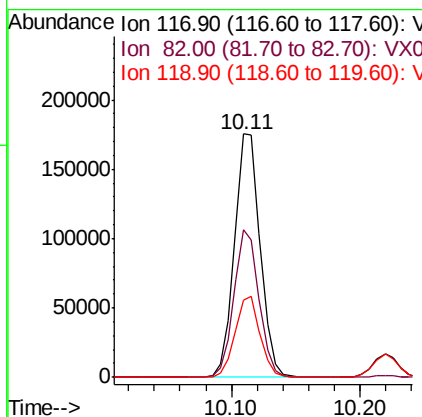
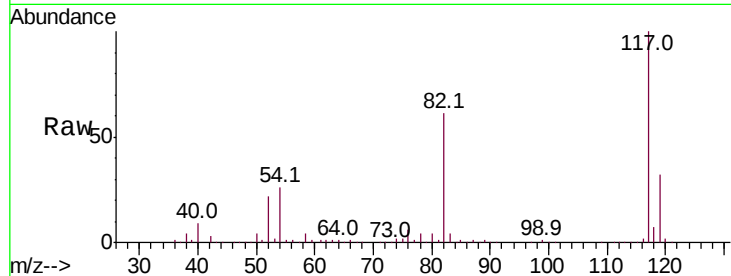
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS03

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	48.8	73.2
119	31.7	25.8	38.6

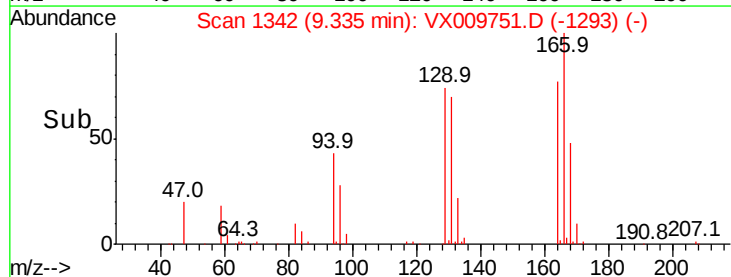
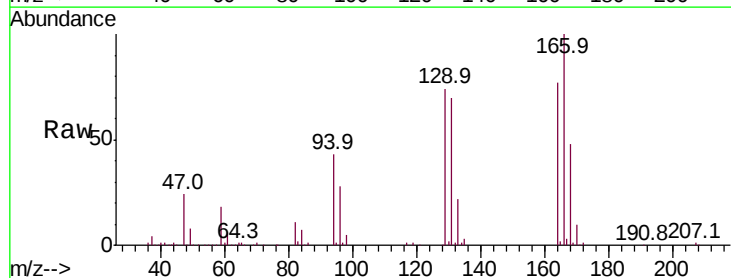
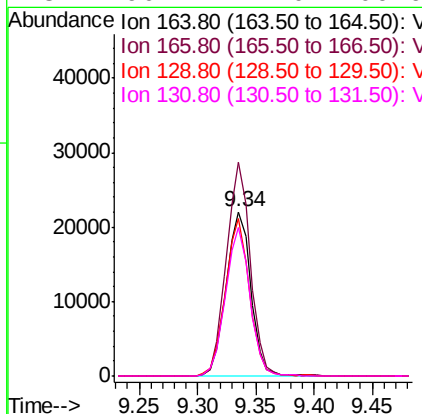
Manual Integrations
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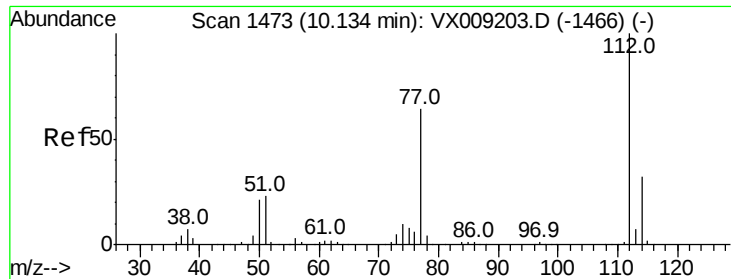
MMDadoda
5/22/2019 9:40:48 AM



#64
Tetrachloroethene
Concen: 19.425 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	101.2	151.8
129	95.9	74.3	111.5
131	90.7	71.0	106.6





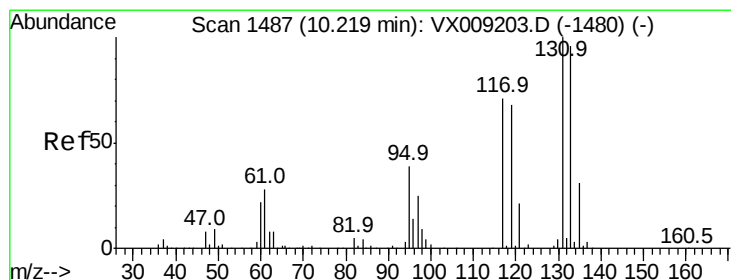
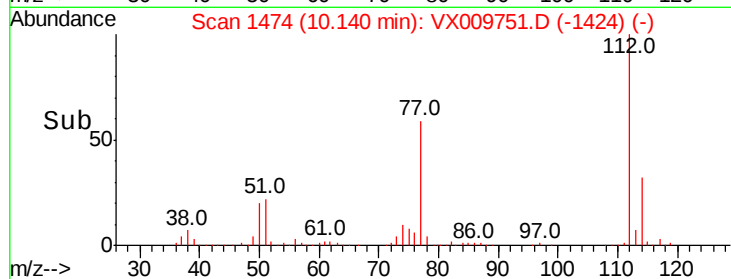
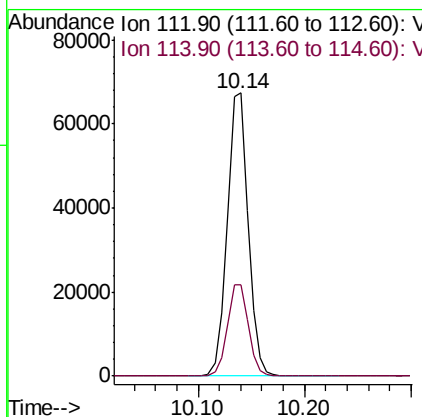
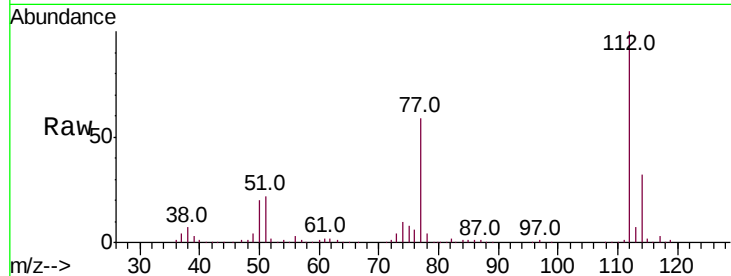
#65
Chlorobenzene
Concen: 19.081 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS03

Tot Ion:112 Resp: 93053
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3

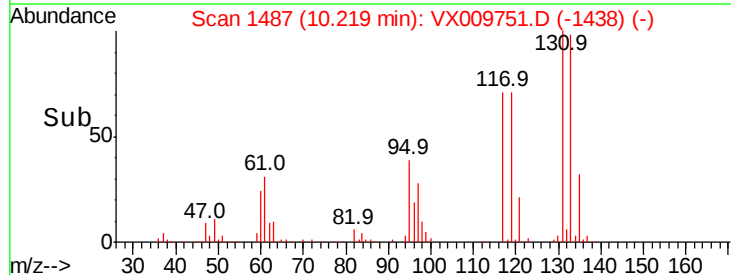
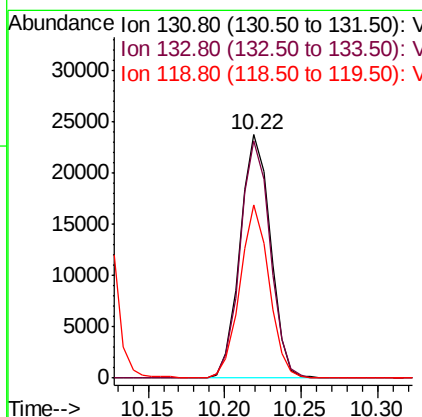
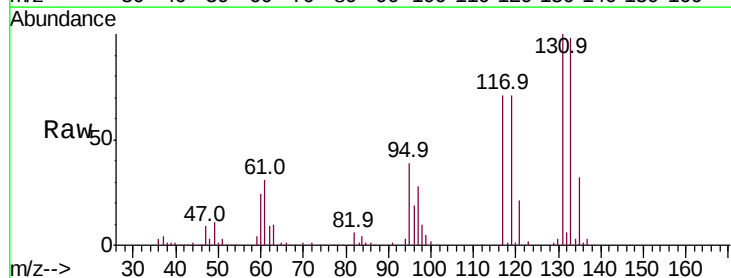
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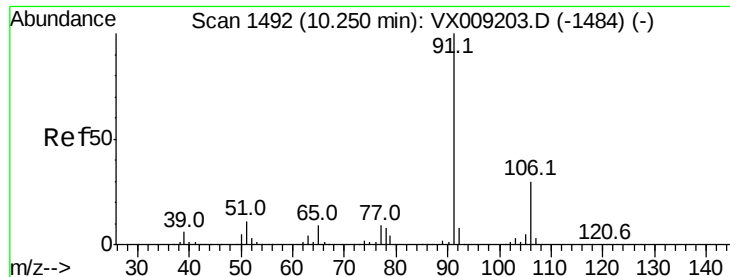
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.556 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Tgt Ion:131 Resp: 32807
Ion Ratio Lower Upper
131 100
133 96.3 47.7 143.1
119 68.2 33.5 100.4





#67

Ethyl Benzene

Concen: 19.303 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampled :

VX0521WBS03

Tot Ion: 91 Resp: 173248

Ion Ratio Lower Upper

91 100

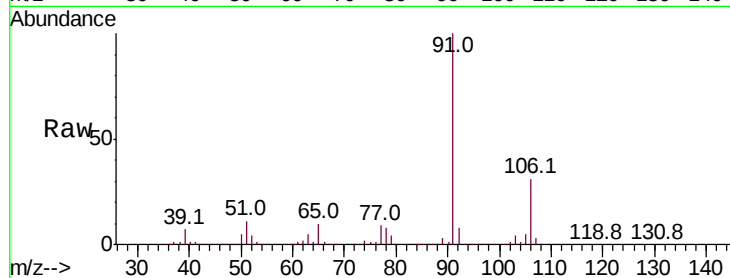
106 30.6 24.0 36.0

Manual Integrations

APPROVED

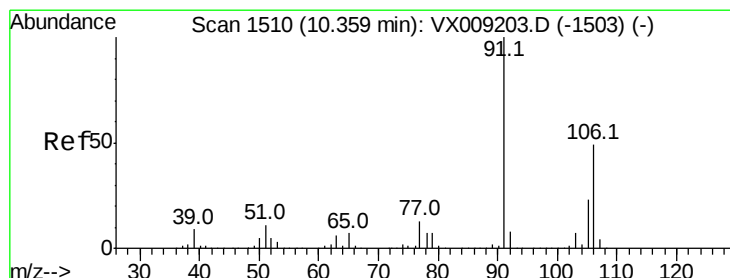
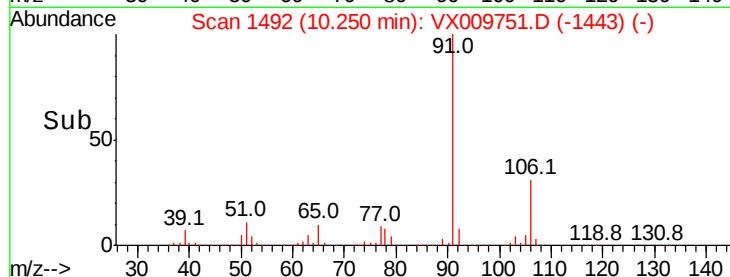
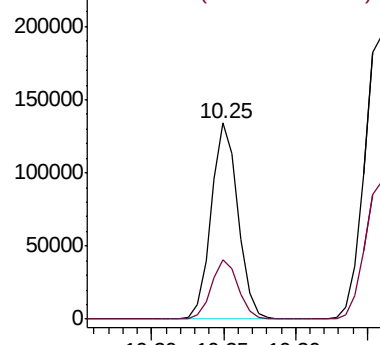
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.899 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009751.D

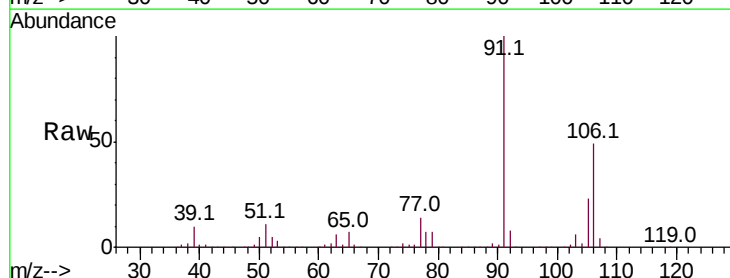
Acq: 21 May 2019 16:34

Tgt Ion:106 Resp: 127580

Ion Ratio Lower Upper

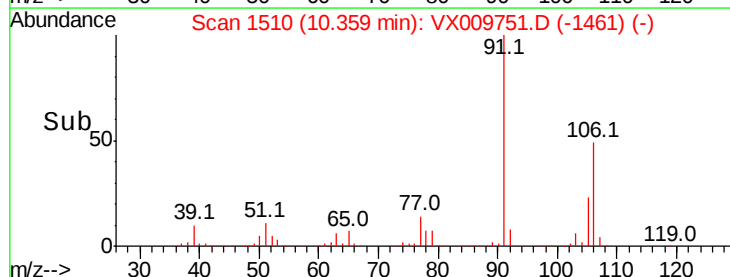
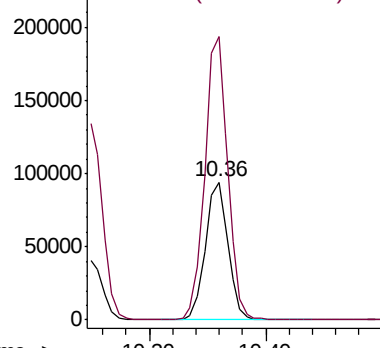
106 100

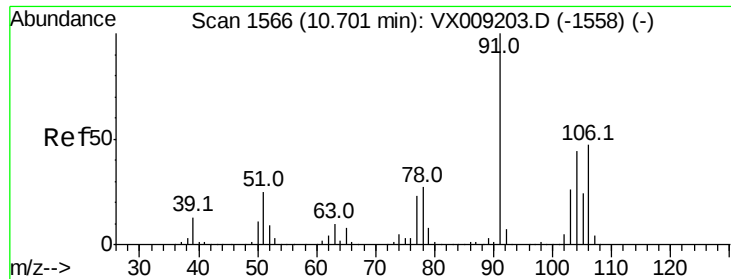
91 207.1 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





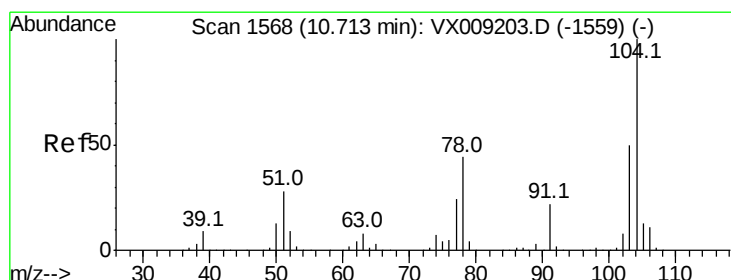
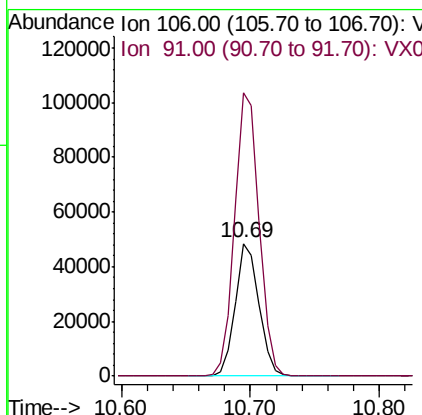
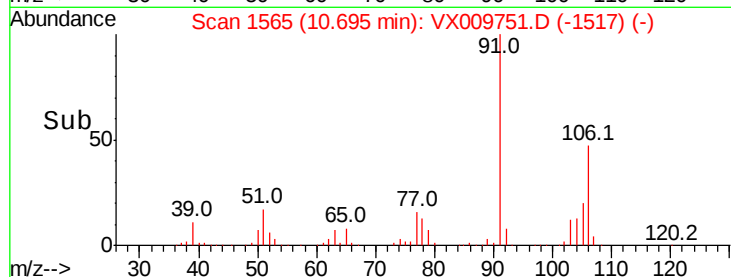
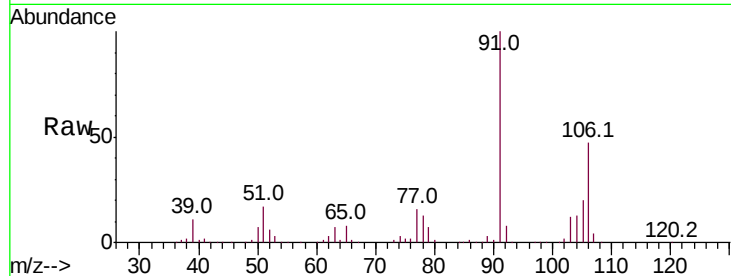
#69
o-Xylene
Concen: 19.277 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS03

Tot Ion:106 Resp: 62381
Ion Ratio Lower Upper
106 100
91 220.2 109.5 328.4

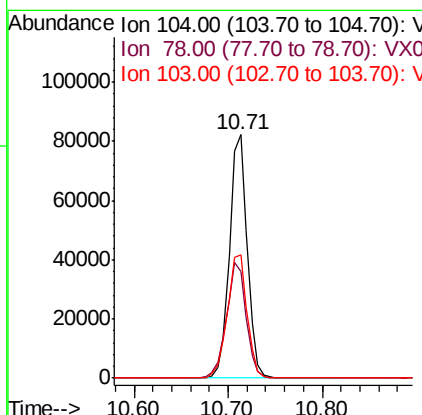
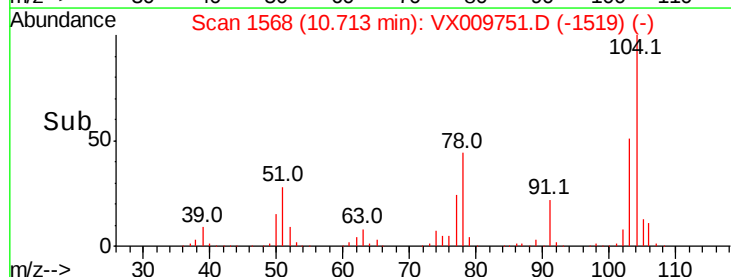
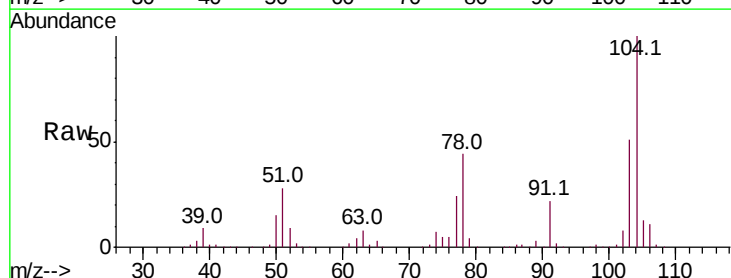
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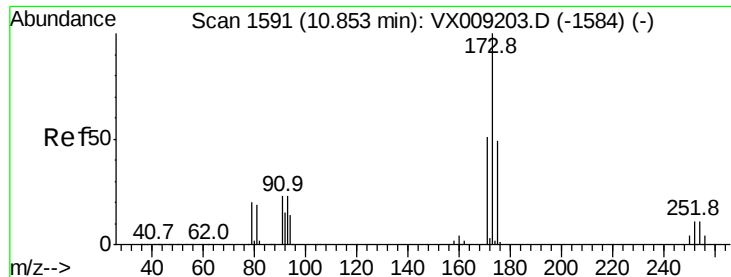
MMDadoda
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#70
Styrene
Concen: 19.147 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Tgt Ion:104 Resp: 107693
Ion Ratio Lower Upper
104 100
78 52.4 41.0 61.4
103 56.2 43.8 65.6





#71

Bromoform

Concen: 18.353 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampled :

VX0521WBS03

Tot Ion:173 Resp: 26369

Ion Ratio Lower Upper

173 100

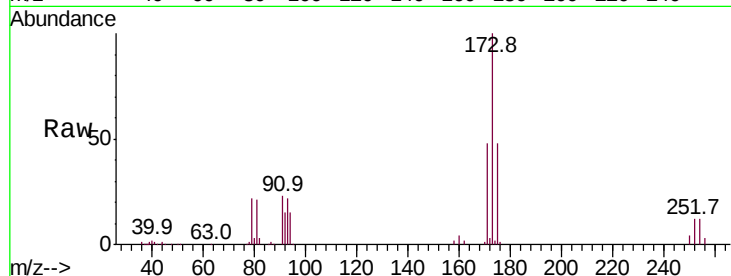
175 48.9 24.5 73.5

254 0.0 0.1 0.1#

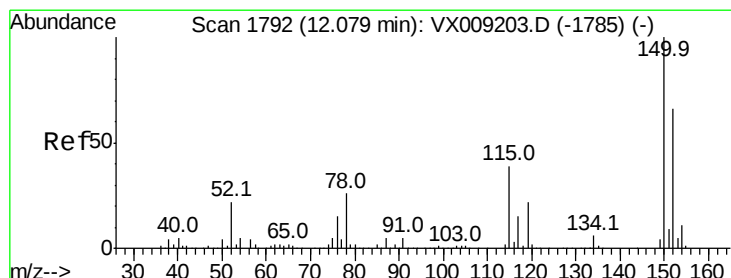
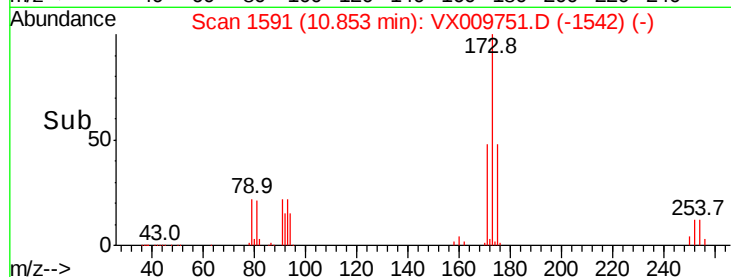
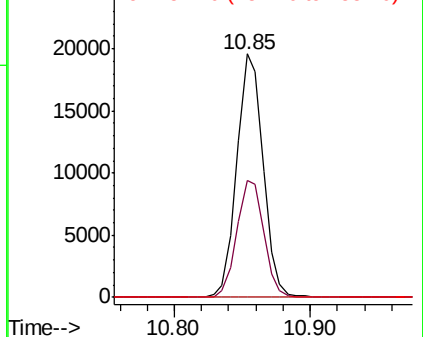
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

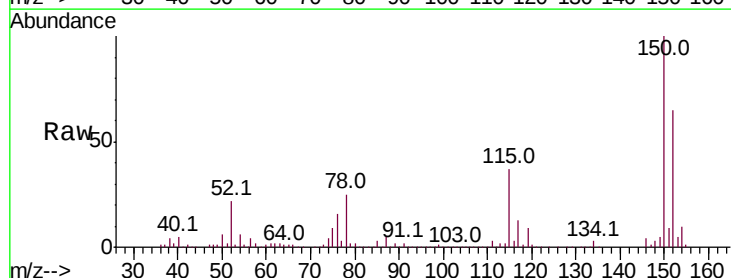
Tgt Ion:152 Resp: 117961

Ion Ratio Lower Upper

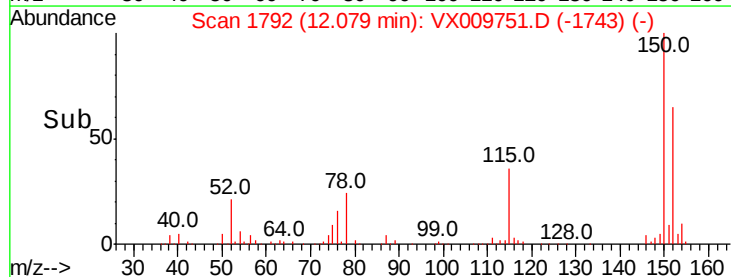
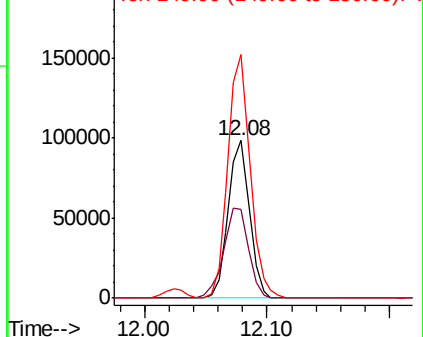
152 100

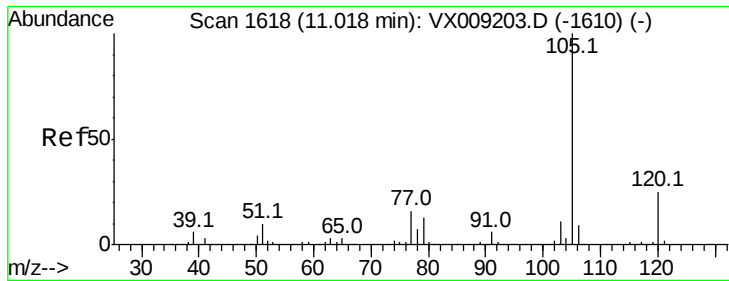
115 67.1 41.2 123.6

150 162.3 0.0 346.4



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: 19.315 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS03

Tot Ion: 105 Resp: 165681

Ion Ratio Lower Upper

105 100

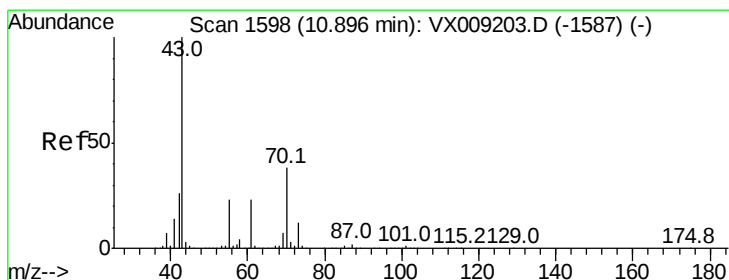
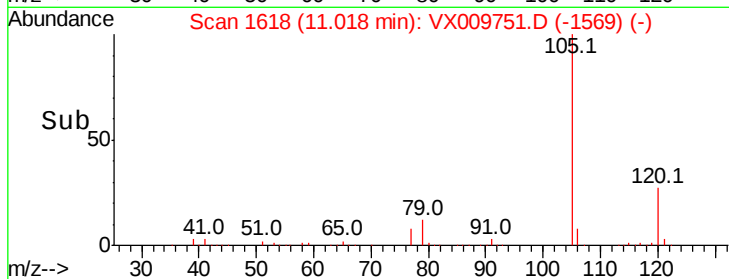
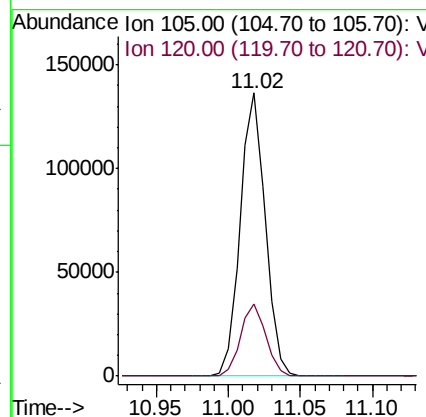
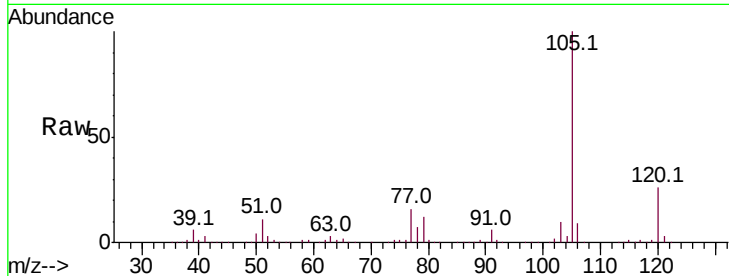
120 25.8 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.620 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Tgt Ion: 43 Resp: 98119

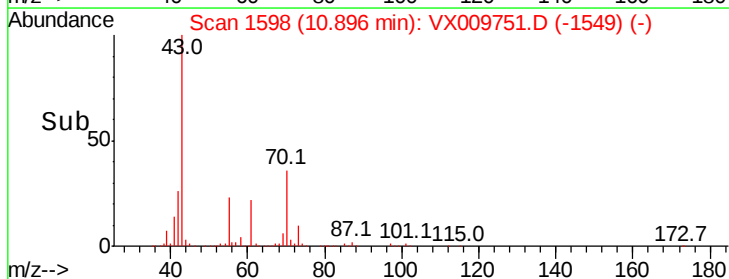
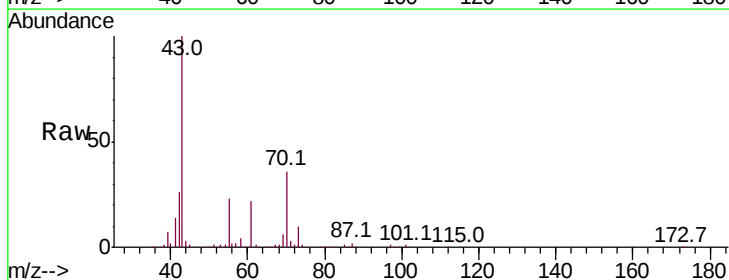
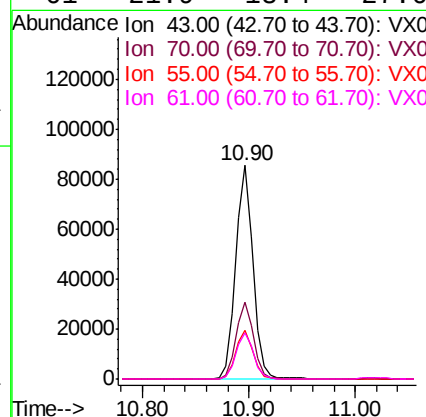
Ion Ratio Lower Upper

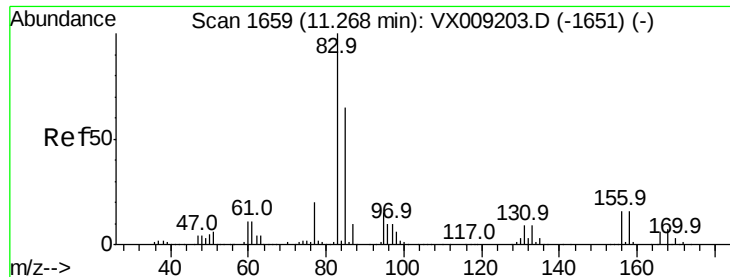
43 100

70 36.3 30.0 45.0

55 23.0 17.9 26.9

61 21.9 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.034 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS03

Tot Ion: 83 Resp: 60865

Ion Ratio Lower Upper

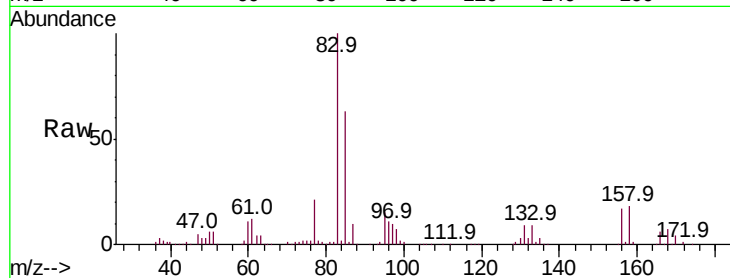
83 100

131 9.0 4.6 13.8

85 64.3 32.0 96.2

Manual Integrations
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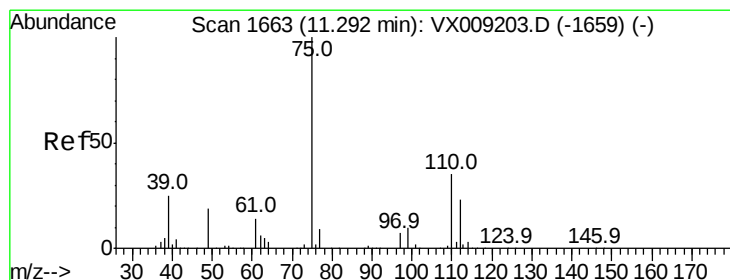
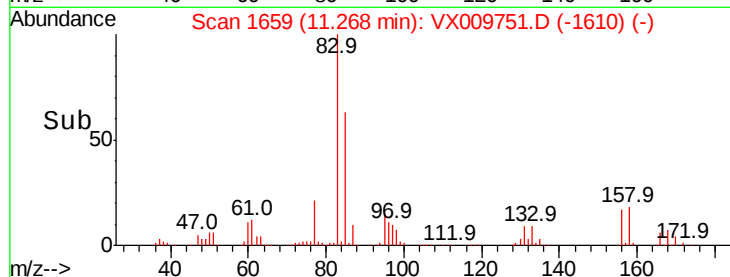
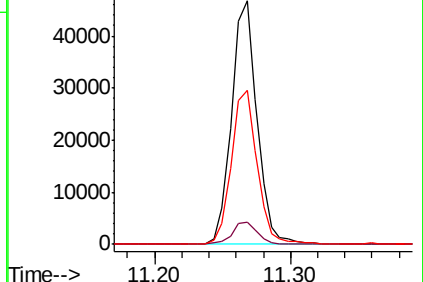
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.442 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009751.D

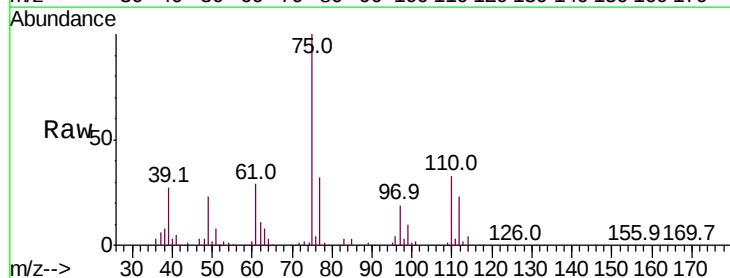
Acq: 21 May 2019 16:34

Tgt Ion: 75 Resp: 53198

Ion Ratio Lower Upper

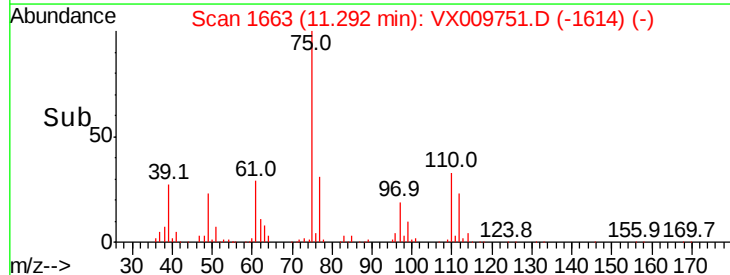
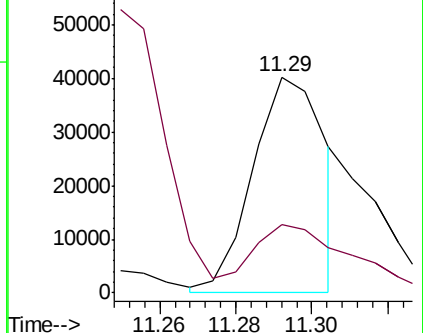
75 100

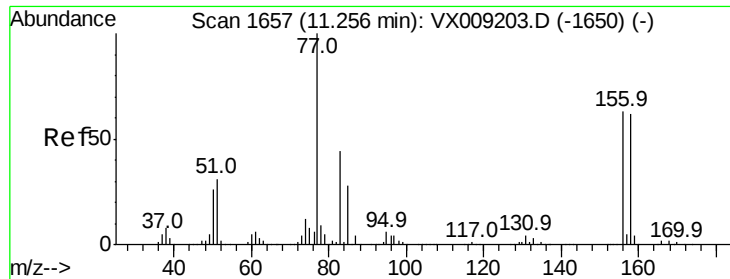
77 43.3 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.040 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS03

Tot Ion:156 Resp: 40537

Ion Ratio Lower Upper

156 100

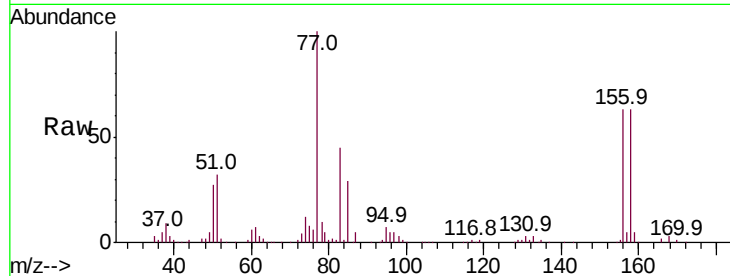
77 170.9 84.8 254.3

158 99.4 49.1 147.3

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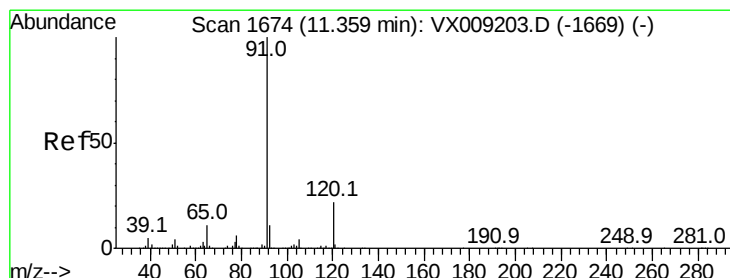
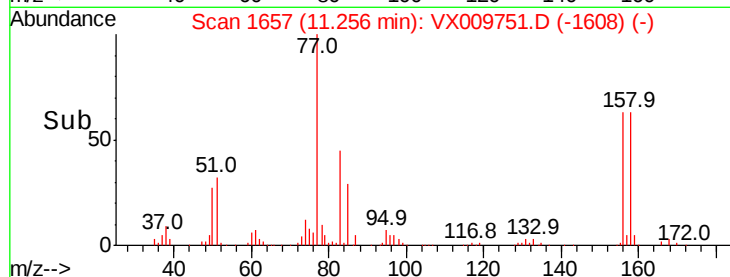
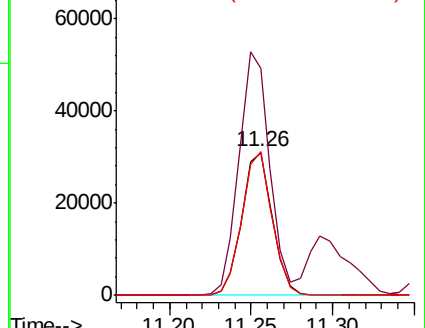
5/22/2019 9:40:48 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.532 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009751.D

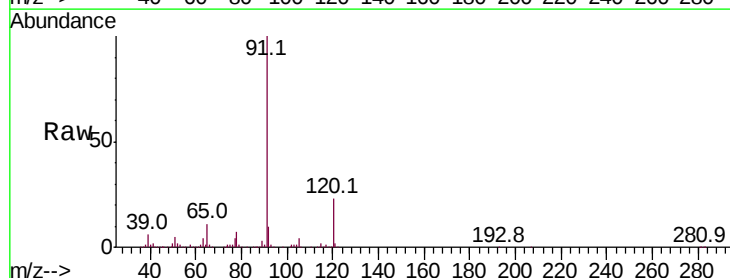
Acq: 21 May 2019 16:34

Tgt Ion: 91 Resp: 191346

Ion Ratio Lower Upper

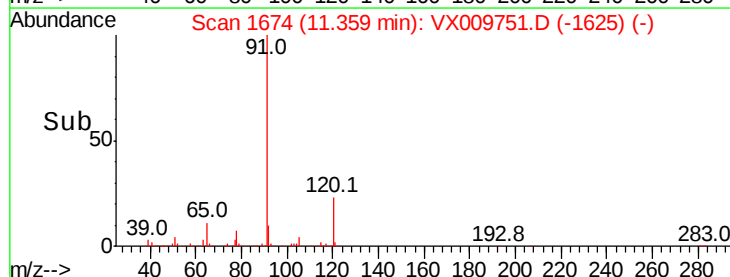
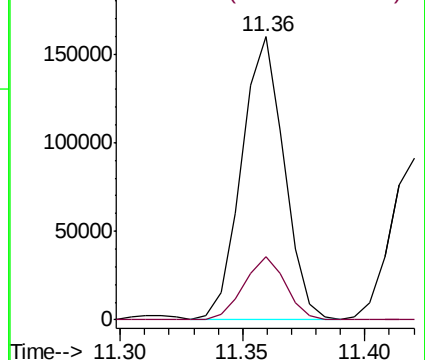
91 100

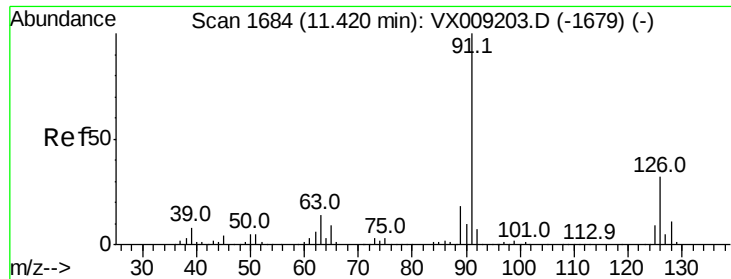
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.711 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS03

Tot Ion: 91 Resp: 113087

Ion Ratio Lower Upper

91 100

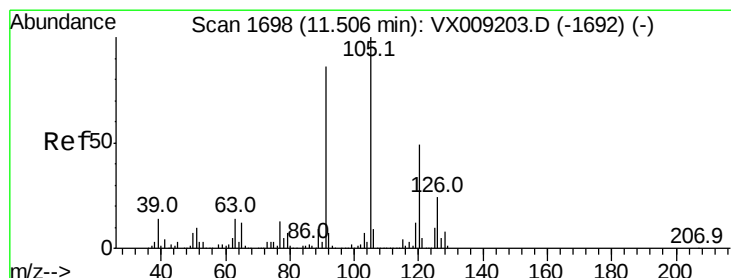
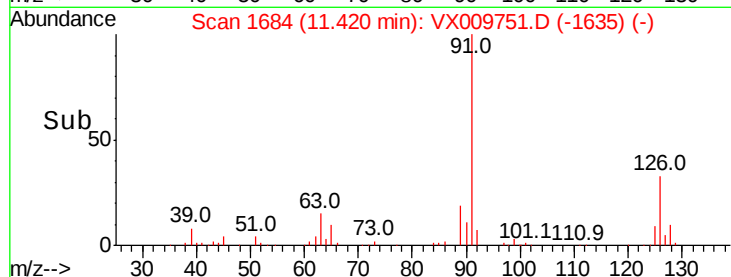
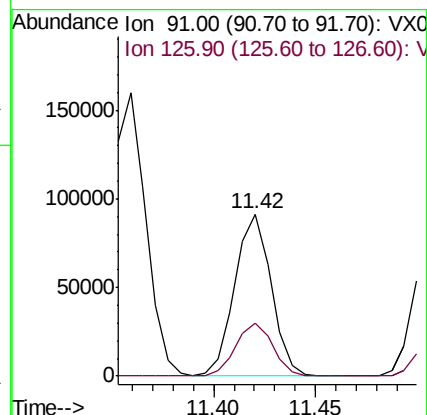
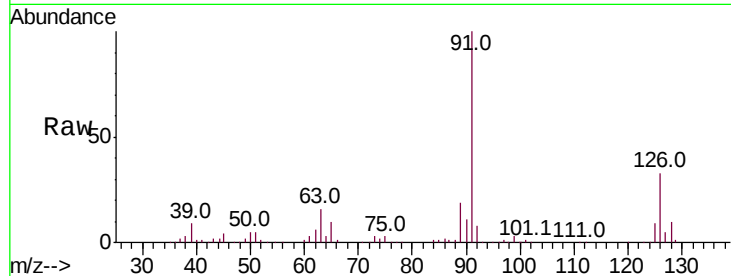
126 33.5 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 19.582 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009751.D

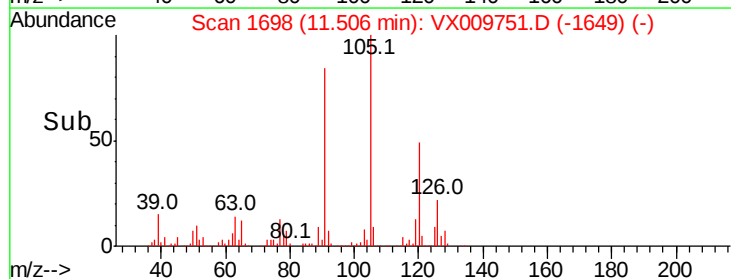
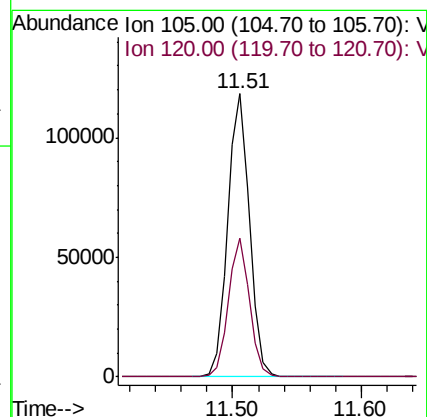
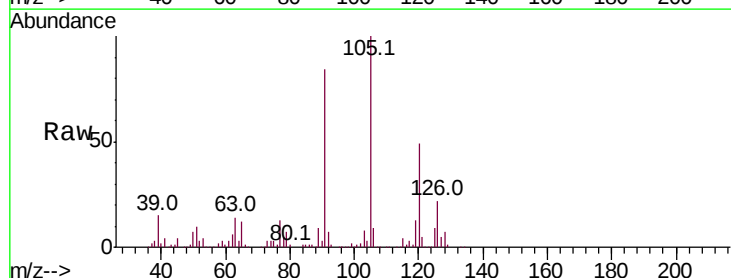
Acq: 21 May 2019 16:34

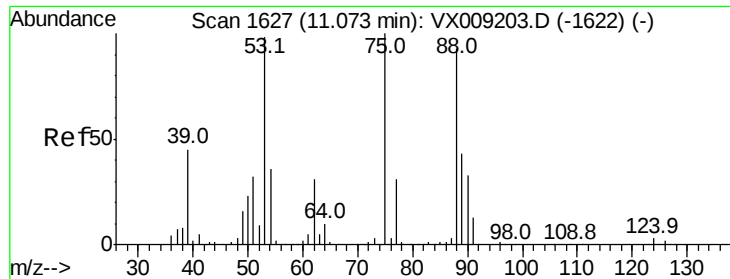
Tgt Ion: 105 Resp: 141437

Ion Ratio Lower Upper

105 100

120 47.7 24.3 72.9





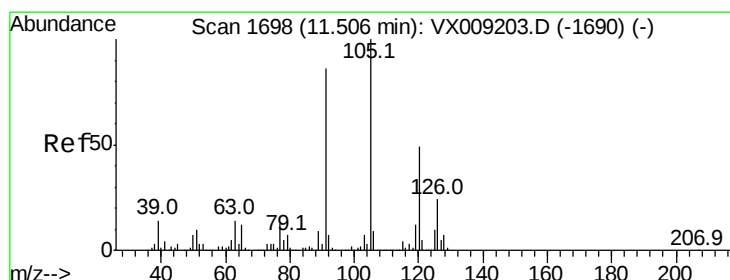
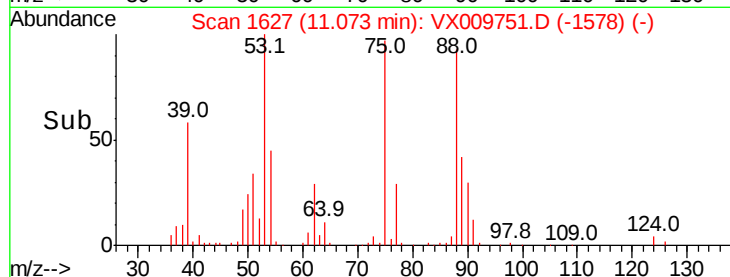
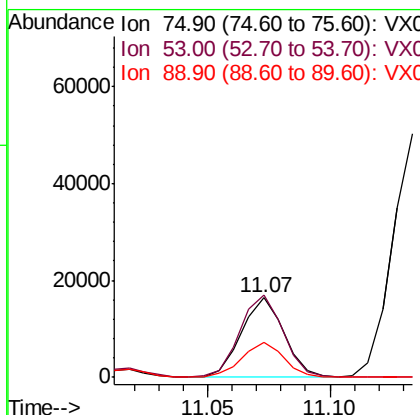
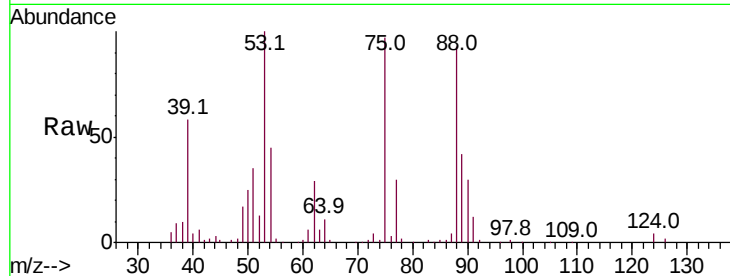
#81
trans-1,4-Dichloro-2-butene
Concen: 18.387 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS03

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.6	79.0	118.6
89	44.5	34.7	52.1

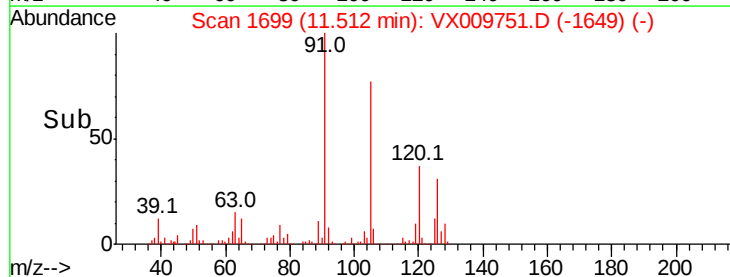
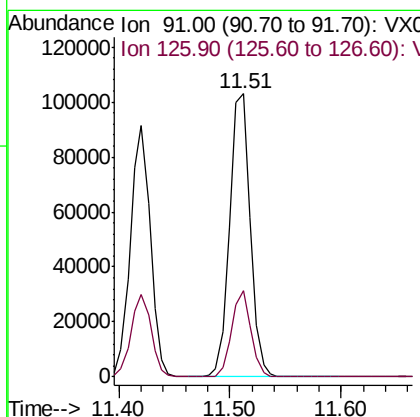
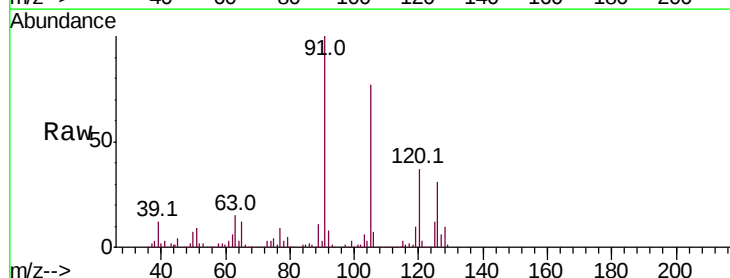
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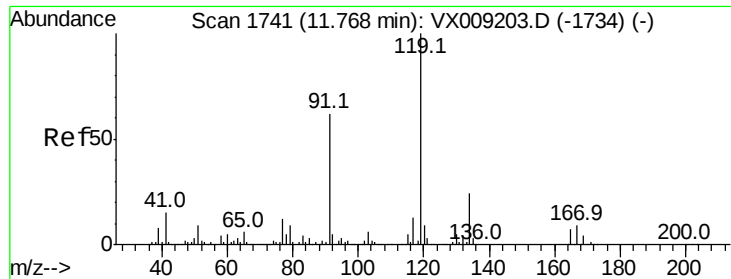
MMDadoda
5/22/2019 9:40:48 AM



#82
4-Chlorotoluene
Concen: 19.298 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.5	43.6





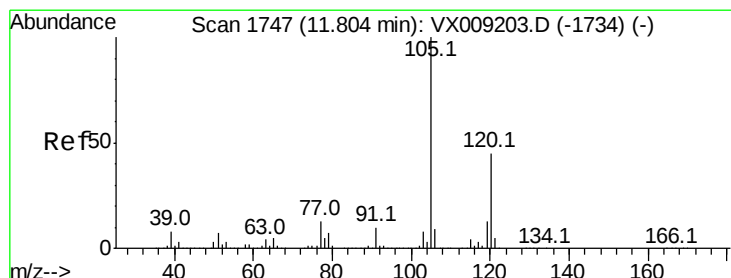
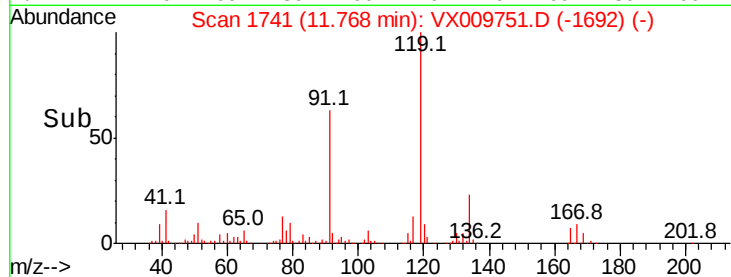
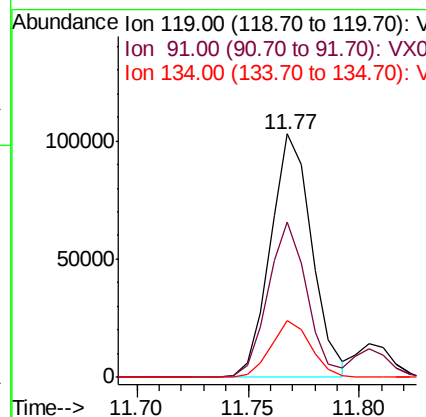
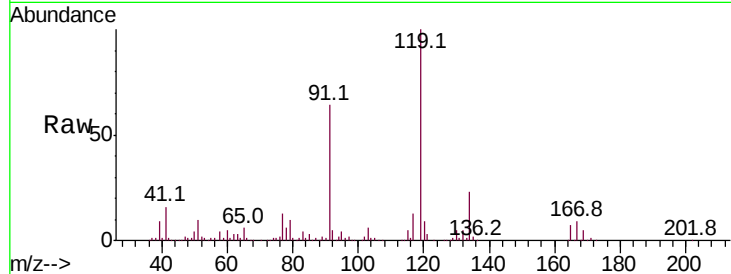
#83
tert-Butylbenzene
Concen: 18.921 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleID :
VX0521WBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	132939		
91	60.2	29.5	88.5	
134	22.4	11.4	34.1	

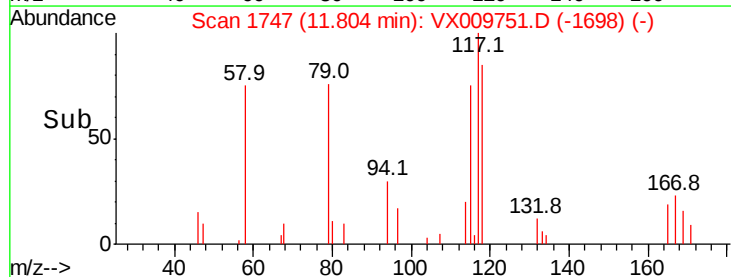
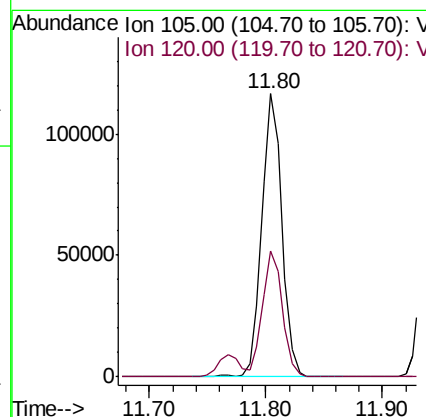
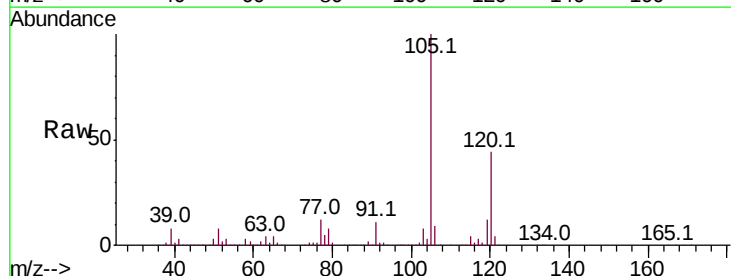
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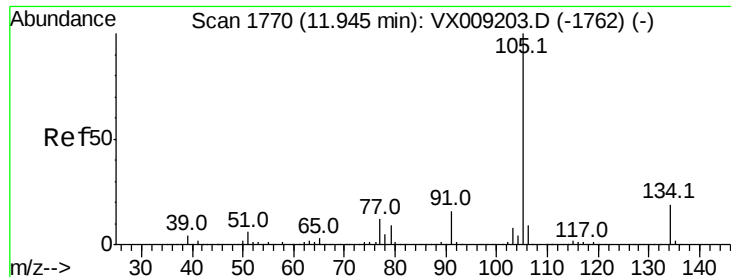
MMDadoda
5/22/2019 9:40:48 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.407 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	140694		
120	43.9	22.0	66.0	





#85

sec-Butylbenzene

Concen: 19.216 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS03

Tot Ion:105 Resp: 160067

Ion Ratio Lower Upper

105 100

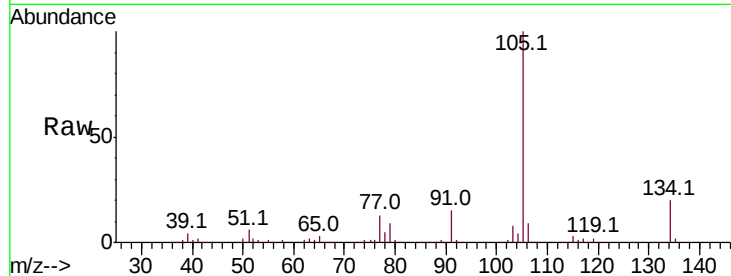
134 19.2 9.7 28.9

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

11.94

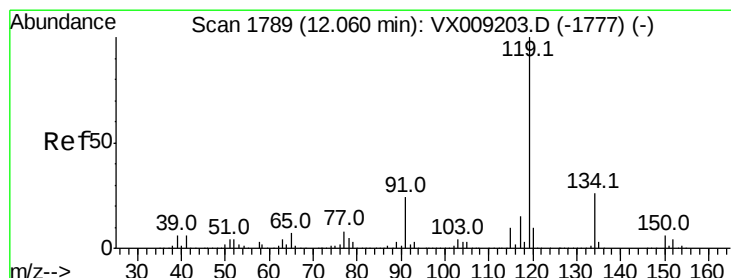
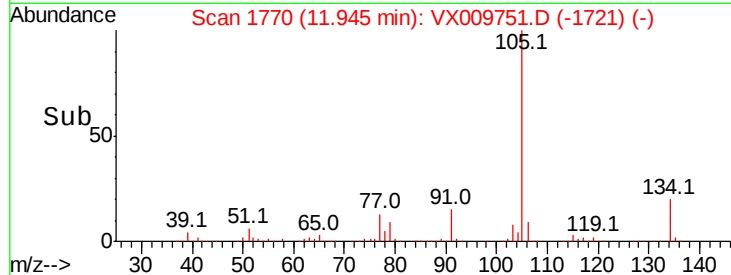
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.377 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

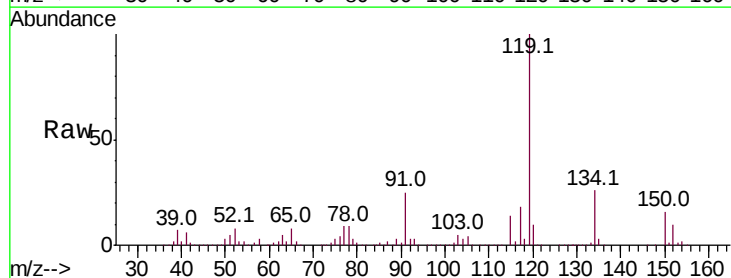
Tgt Ion:119 Resp: 145112

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

91 24.2 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

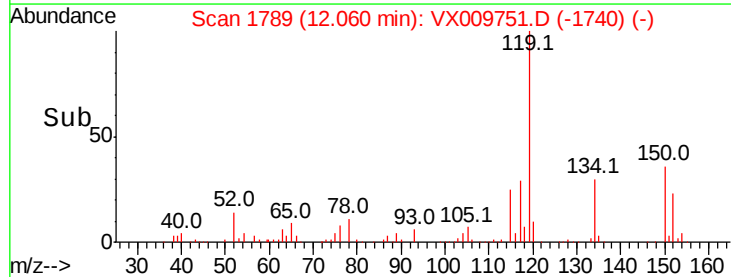
150000

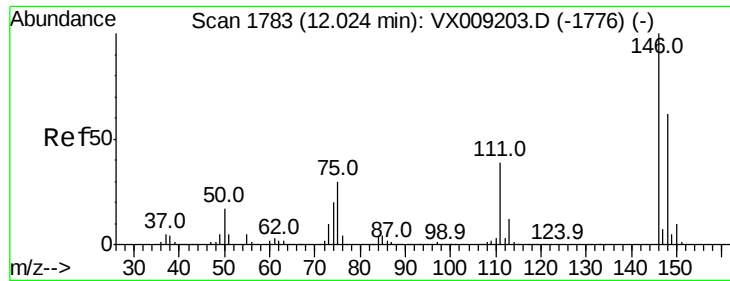
100000

50000

0

Time-->





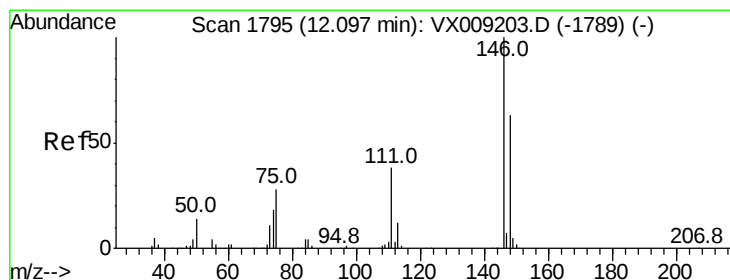
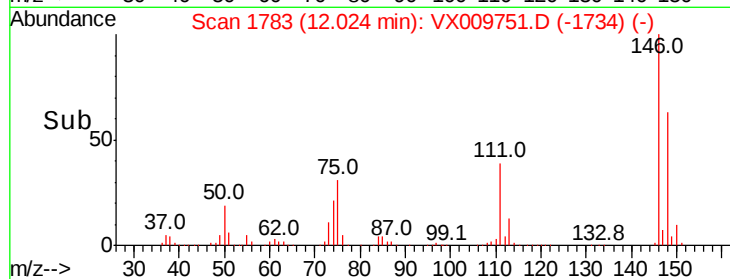
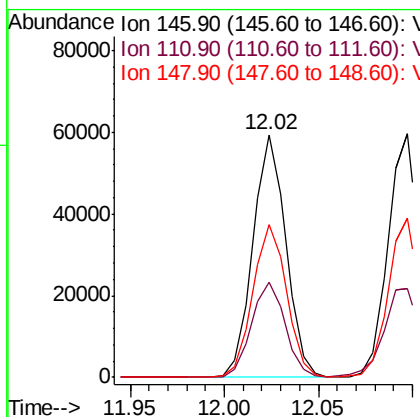
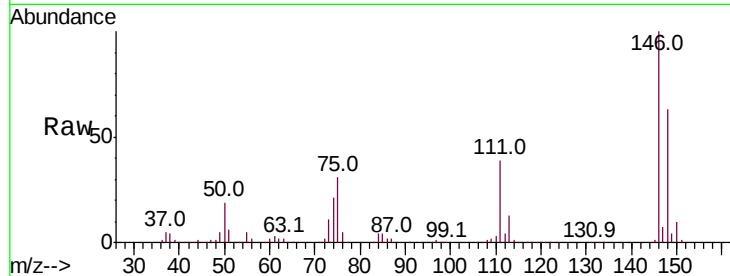
#87
 1,3-Dichlorobenzene
 Concen: 18.992 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009751.D
 Acq: 21 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	64.4	31.8	95.3

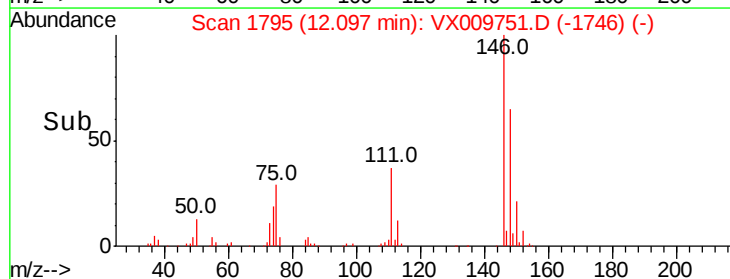
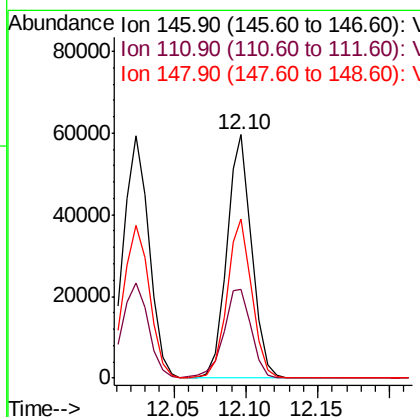
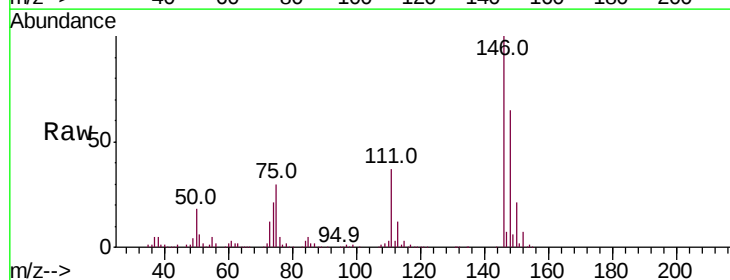
Manual Integrations
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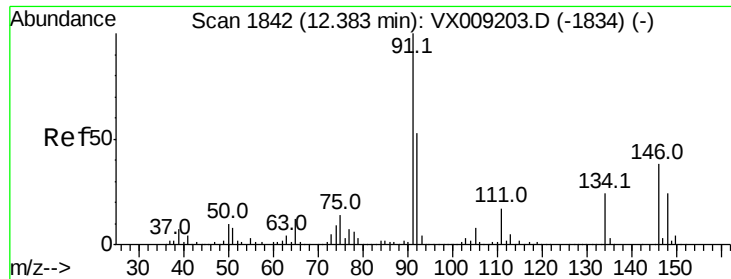
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#88
 1,4-Dichlorobenzene
 Concen: 18.876 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009751.D
 Acq: 21 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.6	58.8
148	65.2	31.8	95.3





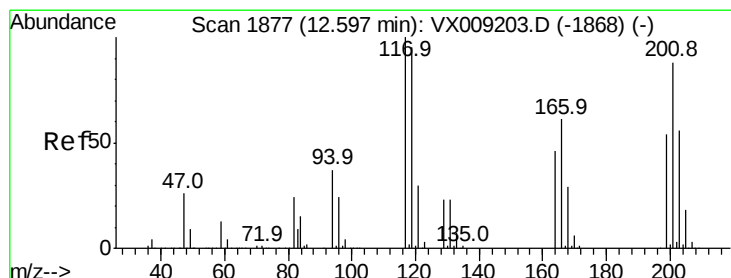
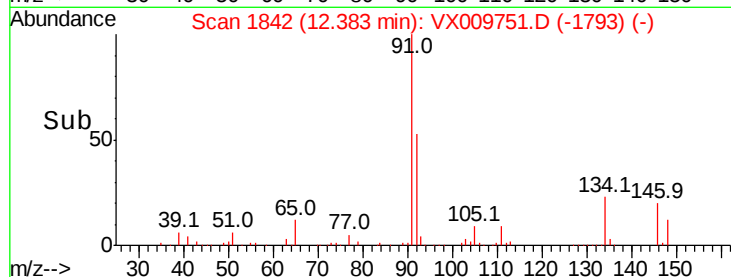
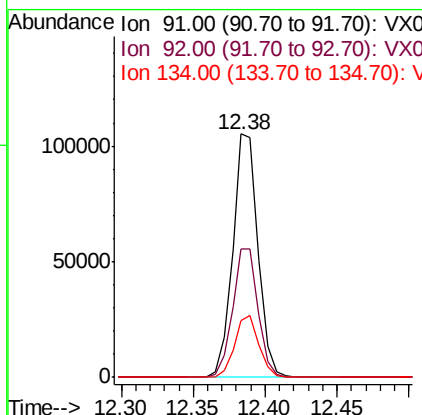
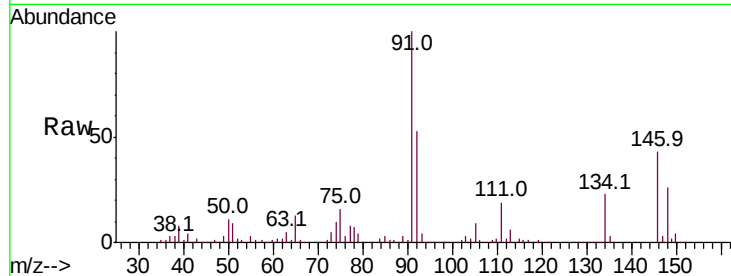
#89
n-Butylbenzene
Concen: 19.049 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS03

Tot Ion	Ratio	Resp	Lower	Upper
91	100	128932		
92	53.4	26.5	79.5	
134	24.4	12.4	37.2	

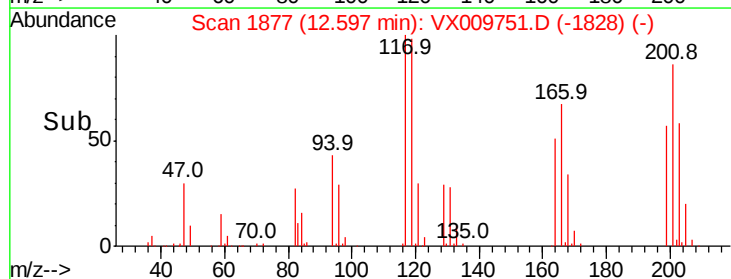
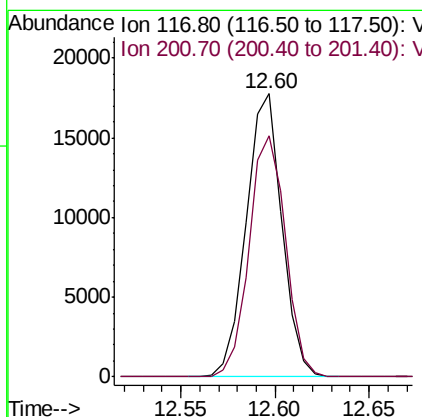
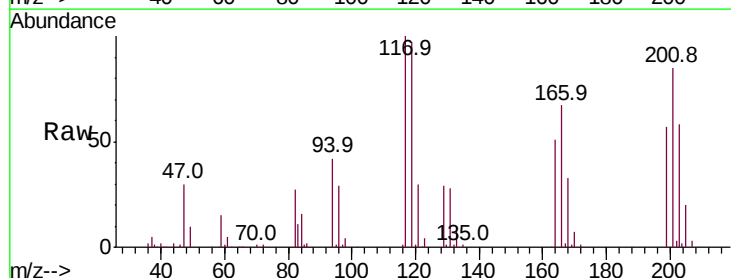
Manual Integrations
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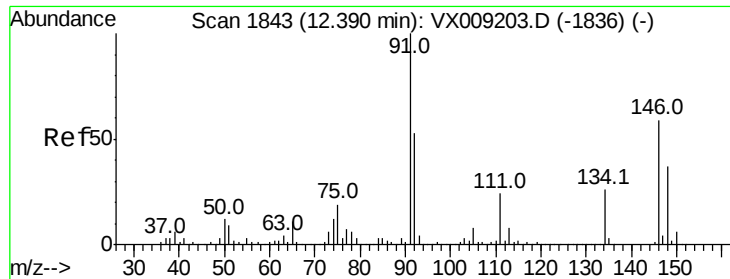
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#90
Hexachloroethane
Concen: 18.269 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009751.D
Acq: 21 May 2019 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	23308		
201	87.0	42.3	126.9	





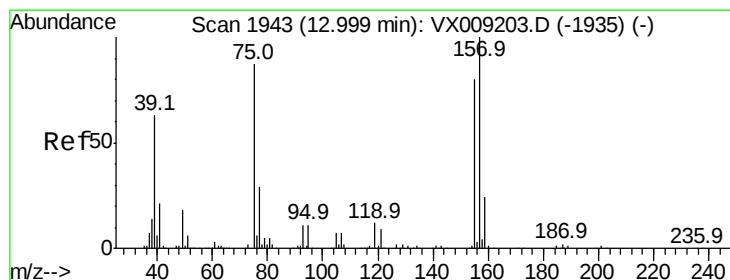
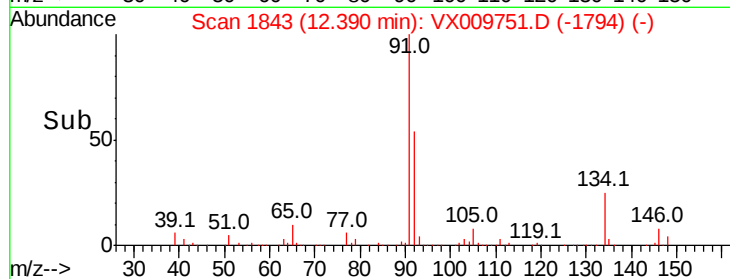
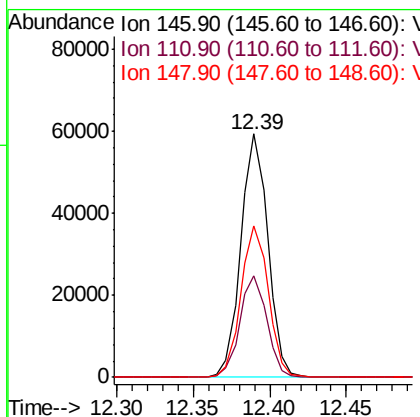
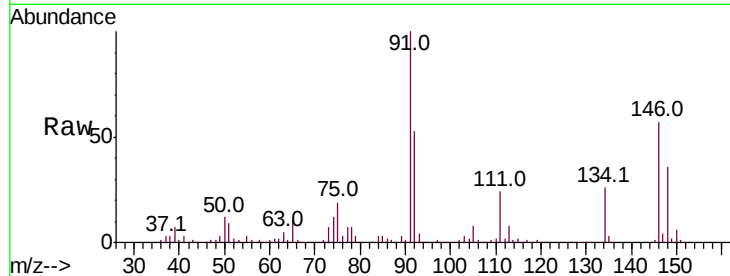
#91
 1,2-Dichlorobenzene
 Concen: 18.850 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009751.D
 Acq: 21 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.4
148	63.1	31.9	95.9

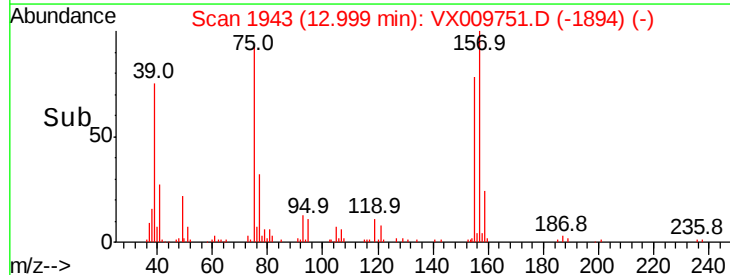
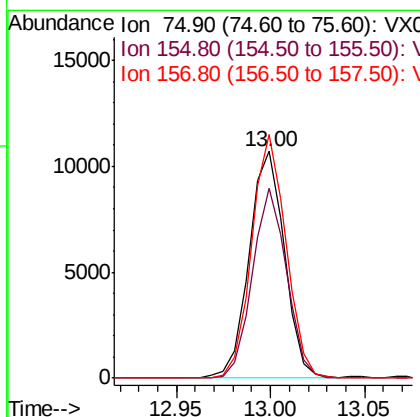
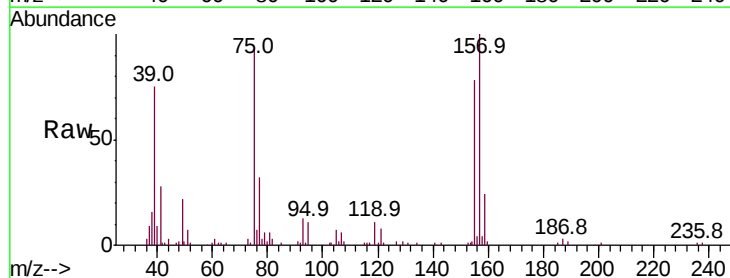
Manual Integrations
 APPROVED

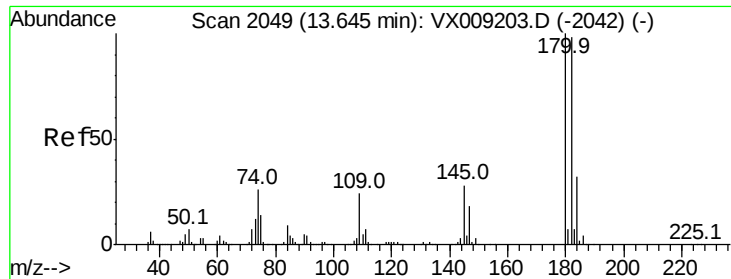
MMDadoda
 5/22/2019 9:40:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.350 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009751.D
 Acq: 21 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.8	42.0	126.0
157	104.0	53.2	159.6





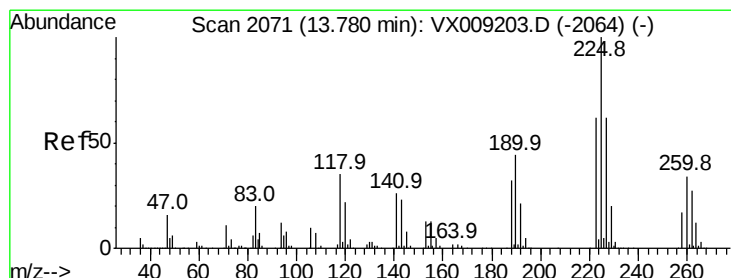
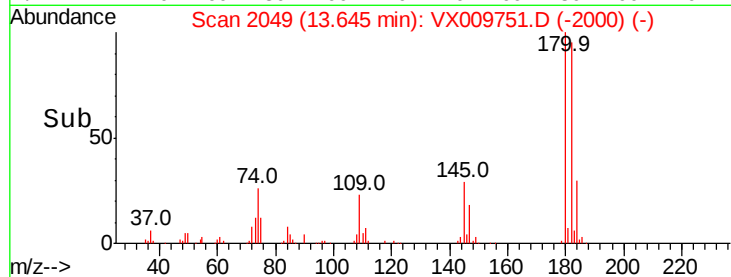
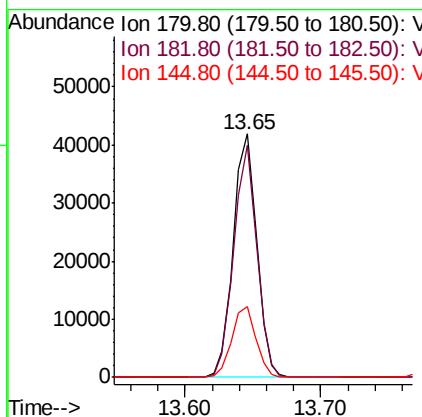
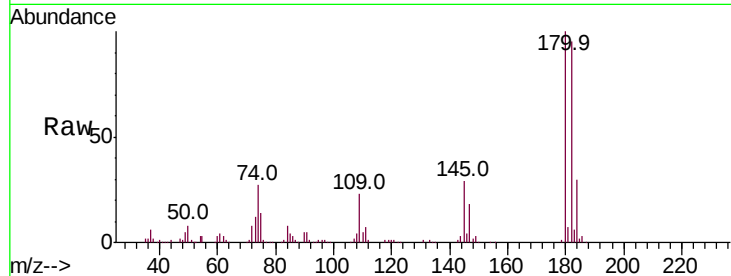
#93
 1,2,4-Trichlorobenzene
 Concen: 19.196 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009751.D
 Acq: 21 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.5	48.4	145.2	
145	29.6	14.6	43.8	

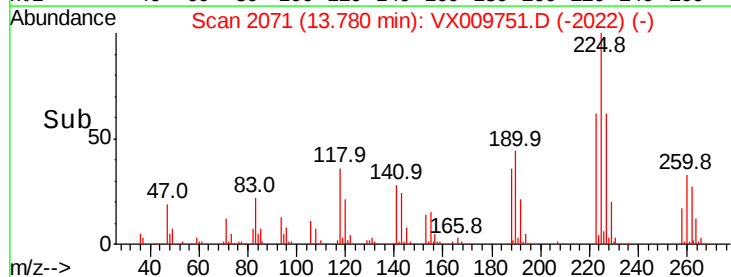
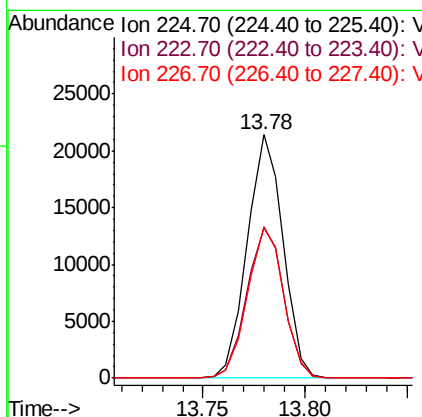
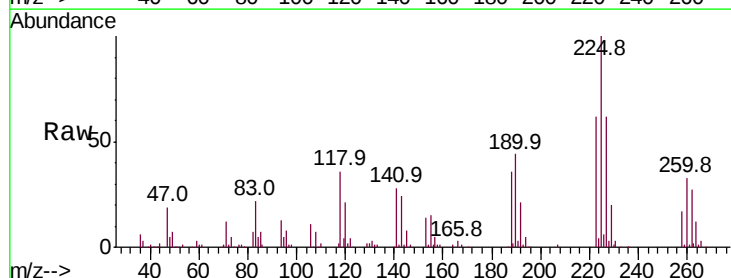
Manual Integrations
 APPROVED

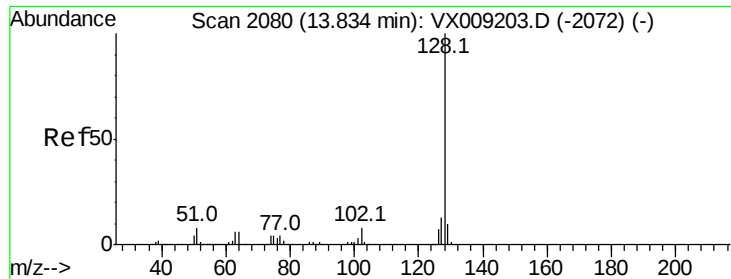
MMDadoda
 5/22/2019 9:40:48 AM



#94
 Hexachlorobutadiene
 Concen: 19.385 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009751.D
 Acq: 21 May 2019 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.4	31.3	93.8	
227	62.5	31.8	95.3	





#95

Naphthalene

Concen: 18.669 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Instrument :

MSVOA_X

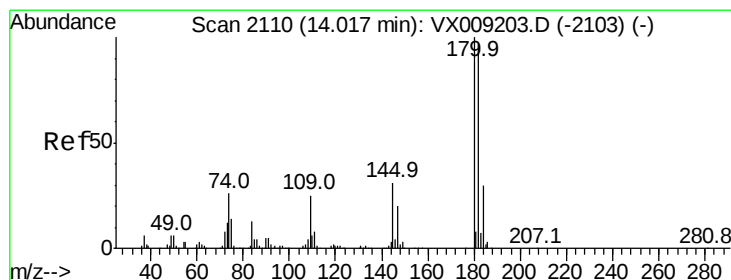
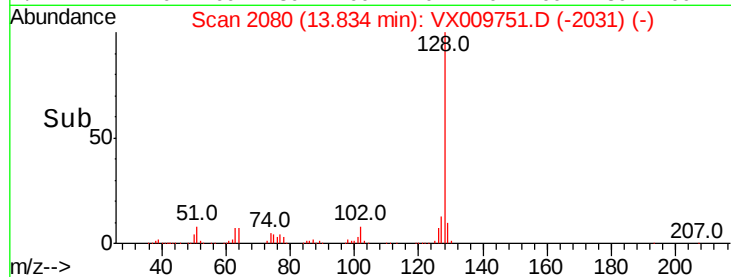
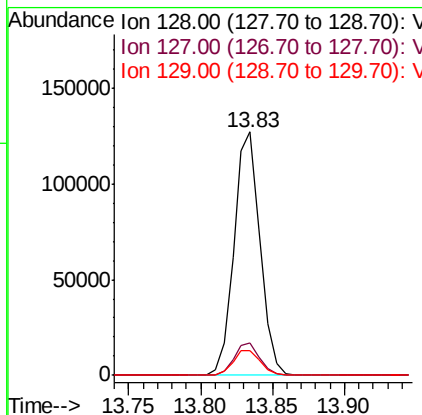
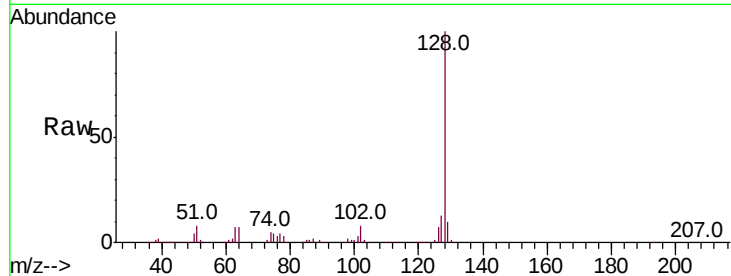
ClientSampleId :

VX0521WBS03

Tot Ion:	128	Resp:	160572
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/22/2019 9:40:48 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.820 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009751.D

Acq: 21 May 2019 16:34

Tgt Ion:	180	Resp:	50432
Ion Ratio	Lower	Upper	
180	100		
182	97.4	47.8	143.4
145	31.5	15.4	46.4

