

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
 Data File : VX009803.D
 Acq On : 22 May 2019 14:47
 Operator : JC/SP
 Sample : VX0522WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 10:44:03 AM

Quant Time: May 23 07:47:04 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	5.66	168	178112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	284796	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124921	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	113834	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
35) Dibromofluoromethane	5.50	113	82049	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	
50) Toluene-d8	8.71	98	333309	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
62) 4-Bromofluorobenzene	11.13	95	117973	44.92	ug/l	0.00
Spiked Amount			Recovery	=	89.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	25446	15.503	ug/l	97
3) Chloromethane	1.32	50	39979	17.841	ug/l	99
4) Vinyl Chloride	1.41	62	37096	16.977	ug/l	99
5) Bromomethane	1.64	94	21806	16.626	ug/l	98
6) Chloroethane	1.72	64	23126	16.484	ug/l	96
7) Trichlorofluoromethane	1.93	101	44699	16.829	ug/l	100
8) Diethyl Ether	2.19	74	21067	16.744	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	26862	16.105	ug/l	99
10) Methyl Iodide	2.51	142	29583	18.456	ug/l	99
11) Tert butyl alcohol	3.04	59	47944	85.185	ug/l	99
12) 1,1-Dichloroethene	2.37	96	27909	16.700	ug/l	99
13) Acrolein	2.29	56	41936	82.275	ug/l	99
14) Allyl chloride	2.73	41	67650	16.610	ug/l	98
15) Acrylonitrile	3.14	53	115228	83.733	ug/l	99
16) Acetone	2.45	43	107119	82.047	ug/l	98
17) Carbon Disulfide	2.57	76	80151	17.082	ug/l	100
18) Methyl Acetate	2.78	43	52207	16.814	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	107087	16.501	ug/l	100
20) Methylene Chloride	2.85	84	34826	16.475	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	30151	16.636	ug/l	99
22) Diisopropyl ether	3.85	45	134573	17.182	ug/l	95
23) Vinyl Acetate	3.81	43	596225	88.897	ug/l	99
24) 1,1-Dichloroethane	3.70	63	64126	16.597	ug/l	99
25) 2-Butanone	4.67	43	173459	85.496	ug/l	98
26) 2,2-Dichloropropane	4.59	77	43573	15.151	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	35363	16.347	ug/l	98
28) Bromochloromethane	5.02	49	34510	20.575	ug/l	97
29) Tetrahydrofuran	5.13	42	115721	88.638	ug/l	98
30) Chloroform	5.21	83	57581	16.477	ug/l	98
31) Cyclohexane	5.57	56	62047	17.260	ug/l	91
32) 1,1,1-Trichloroethane	5.50	97	47812	16.436	ug/l	99
36) 1,1-Dichloropropene	5.80	75	44362	16.762	ug/l	99
37) Ethyl Acetate	4.84	43	65656	17.805	ug/l	99
38) Carbon Tetrachloride	5.79	117	39447	16.404	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	54614	16.803	ug/l	98
40) Benzene	6.14	78	138196	16.872	ug/l	98
41) Methacrylonitrile	5.04	41	36555	16.653	ug/l	100
42) 1,2-Dichloroethane	6.19	62	50350	17.136	ug/l	99
43) Isopropyl Acetate	6.45	43	101530	17.213	ug/l	99
44) Trichloroethene	7.21	130	32533	16.429	ug/l	95
45) 1,2-Dichloropropane	7.51	63	39329	16.957	ug/l	99
46) Dibromomethane	7.66	93	22285	16.546	ug/l	99
47) Bromodichloromethane	7.90	83	43740	16.281	ug/l	99
48) Methyl methacrylate	7.77	41	51470	17.588	ug/l	98
49) 1,4-Dioxane	7.74	88	20031	337.527	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	338119	87.701	ug/l	98
52) Toluene	8.79	92	83781	16.827	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	49639	16.365	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	55095	16.410	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	33558	16.520	ug/l	98
56) Ethyl methacrylate	9.18	69	60378	16.651	ug/l	97
57) 1,3-Dichloropropane	9.37	76	59959	16.774	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	163246	84.866	ug/l	98
59) 2-Hexanone	9.49	43	263987	87.183	ug/l	98
60) Dibromochloromethane	9.58	129	31967	16.113	ug/l	98
61) 1,2-Dibromoethane	9.67	107	34134	16.647	ug/l	100
64) Tetrachloroethene	9.34	164	29149	16.408	ug/l	99
65) Chlorobenzene	10.14	112	85378	16.479	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	30515	16.246	ug/l	99
67) Ethyl Benzene	10.25	91	158053	16.576	ug/l	100
68) m/p-Xylenes	10.36	106	115994	33.290	ug/l	98
69) o-Xylene	10.69	106	56579	16.458	ug/l	99
70) Styrene	10.71	104	98302	16.452	ug/l	99
71) Bromoform	10.85	173	24093	15.784	ug/l #	99
73) Isopropylbenzene	11.02	105	151845	16.715	ug/l	99
74) N-amyl acetate	10.90	43	91364	17.251	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	55717	16.453	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	48711m	16.810	ug/l	
77) Bromobenzene	11.26	156	37311	16.548	ug/l	99
78) n-propylbenzene	11.36	91	173189	16.694	ug/l	100
79) 2-Chlorotoluene	11.42	91	103311	16.141	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	127900	16.721	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	17376	15.343	ug/l	94
82) 4-Chlorotoluene	11.51	91	118741	16.422	ug/l	99
83) tert-Butylbenzene	11.77	119	121008	16.263	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	129385	16.852	ug/l	99
85) sec-Butylbenzene	11.94	105	144787	16.413	ug/l	100
86) p-Isopropyltoluene	12.06	119	131771	16.616	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	65517	16.300	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	65783	16.233	ug/l	98
89) n-Butylbenzene	12.38	91	115868	16.165	ug/l	99
90) Hexachloroethane	12.60	117	21255	15.732	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	66135	16.154	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13357	17.583	ug/l	93

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MSVOA_X
ClientSampleId :
VX0522WBSD01

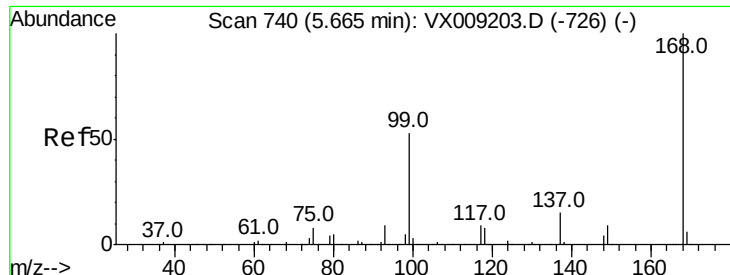
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	45474	16.243	ug/l	100
94) Hexachlorobutadiene	13.78	225	23689	16.570	ug/l	99
95) Naphthalene	13.83	128	149815	16.448	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	47095	16.595	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampled :

VX0522WBSD01

Tot Ion:168 Resp: 178112

Ion Ratio Lower Upper

168 100

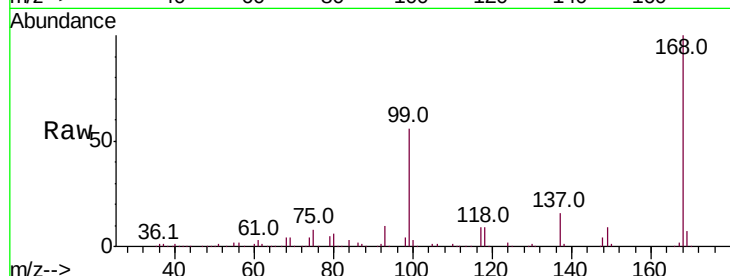
99 56.2 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

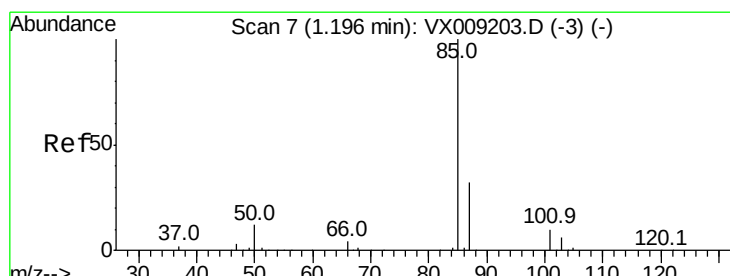
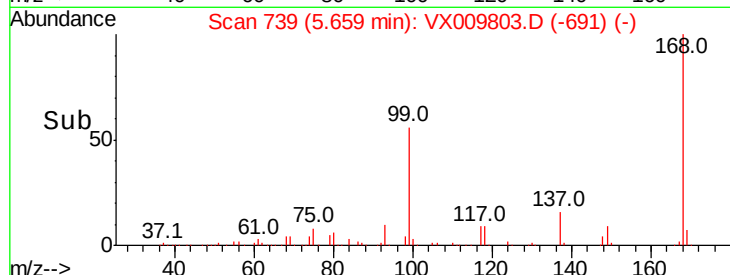
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 15.503 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009803.D

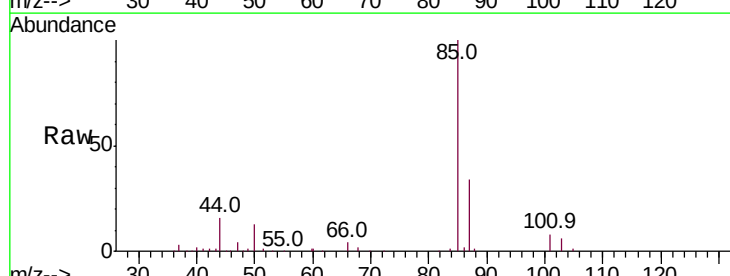
Acq: 22 May 2019 14:47

Tgt Ion: 85 Resp: 25446

Ion Ratio Lower Upper

85 100

87 33.6 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

25000

20000

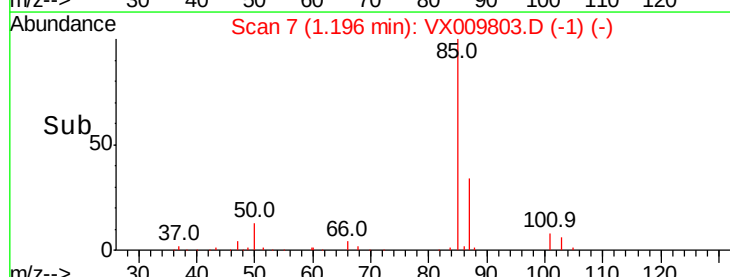
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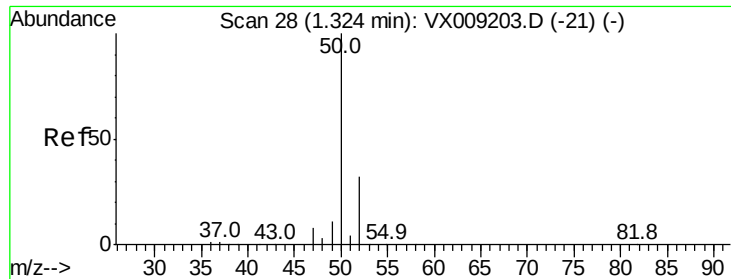
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5000

0

Time-->





#3

Chloromethane

Concen: 17.841 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

Tot Ion: 50 Resp: 39979

Ion Ratio Lower Upper

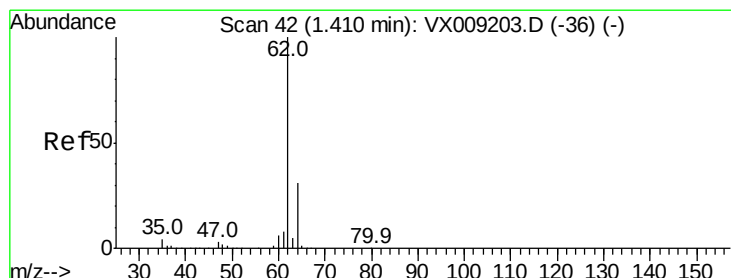
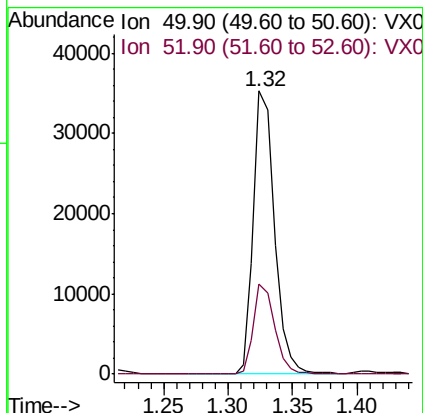
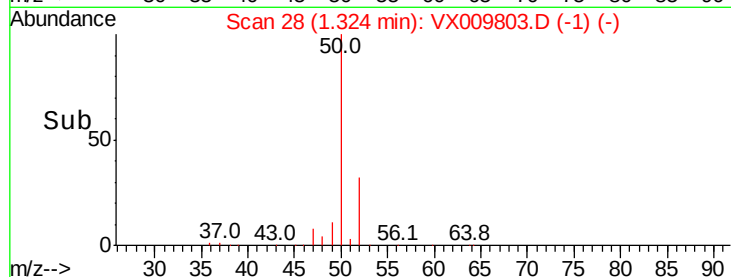
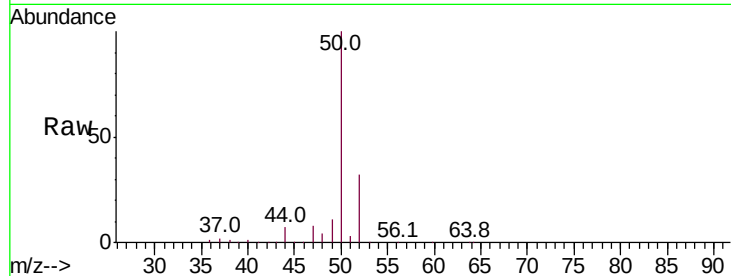
50 100

52 31.9 25.9 38.9

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#4

Vinyl Chloride

Concen: 16.977 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009803.D

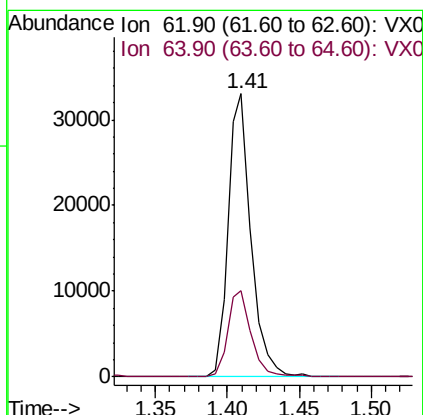
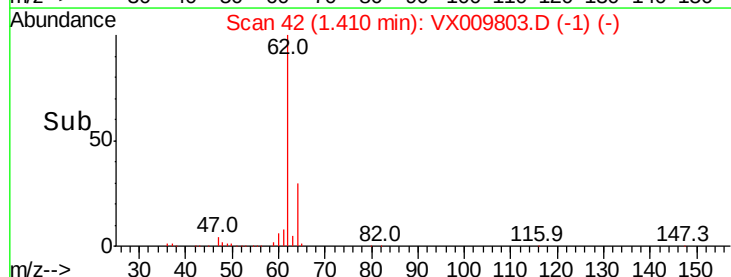
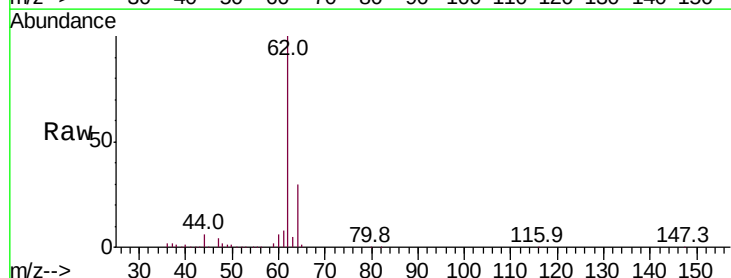
Acq: 22 May 2019 14:47

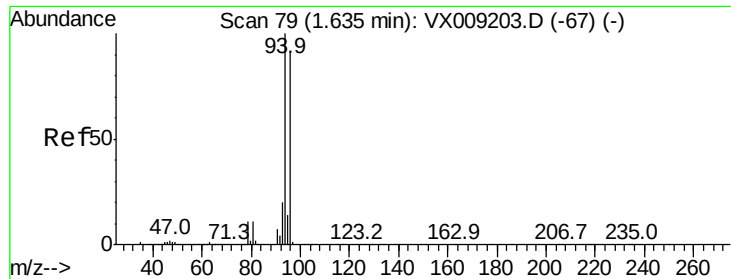
Tgt Ion: 62 Resp: 37096

Ion Ratio Lower Upper

62 100

64 30.3 24.6 36.8





#5

Bromomethane

Concen: 16.626 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

Tot Ion: 94 Resp: 21806

Ion Ratio Lower Upper

94 100

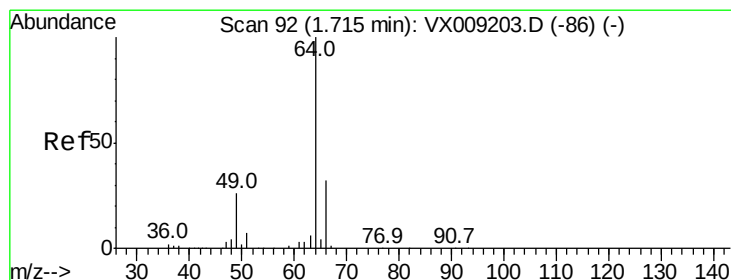
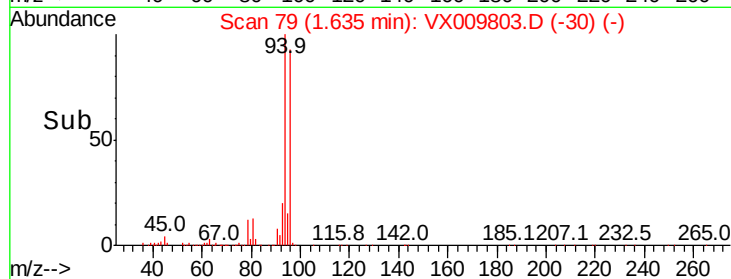
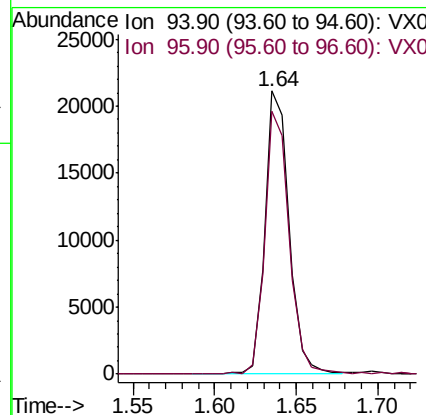
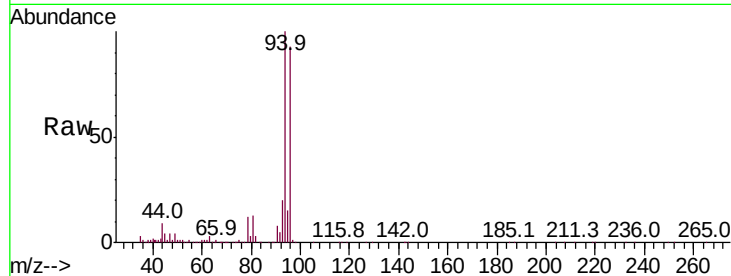
96 93.0 73.0 109.6

Manual Integrations

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#6

Chloroethane

Concen: 16.484 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009803.D

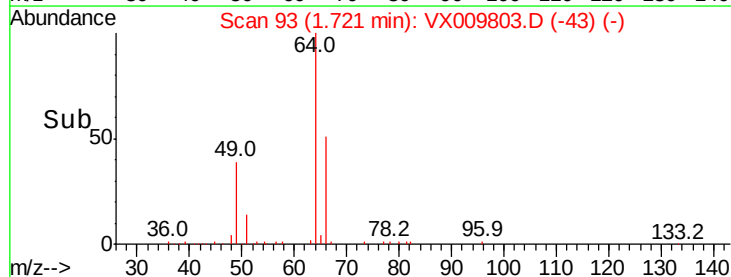
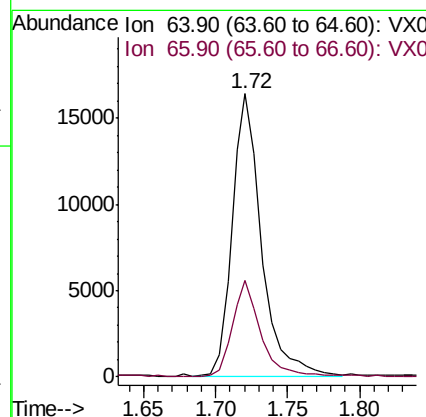
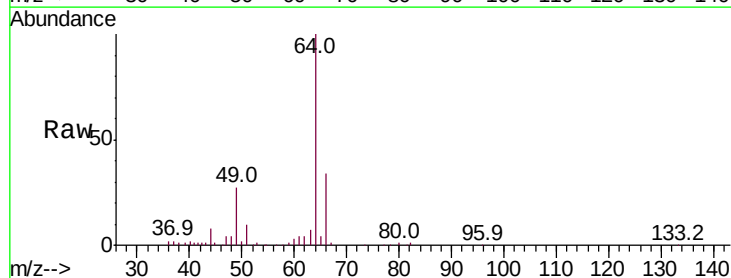
Acq: 22 May 2019 14:47

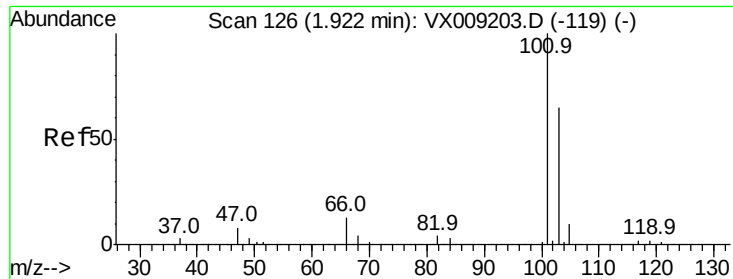
Tgt Ion: 64 Resp: 23126

Ion Ratio Lower Upper

64 100

66 34.1 25.3 37.9





#7

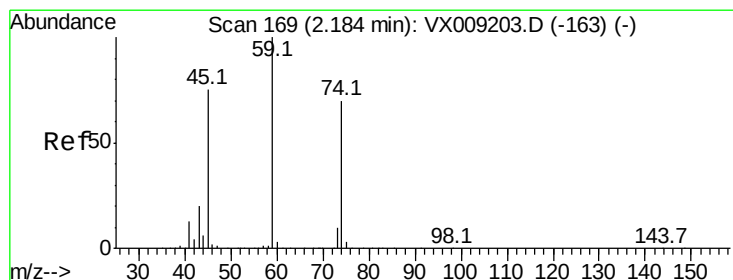
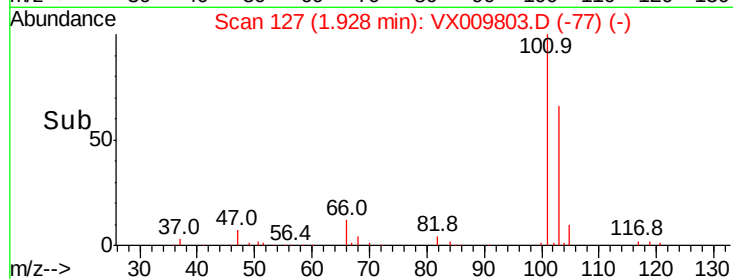
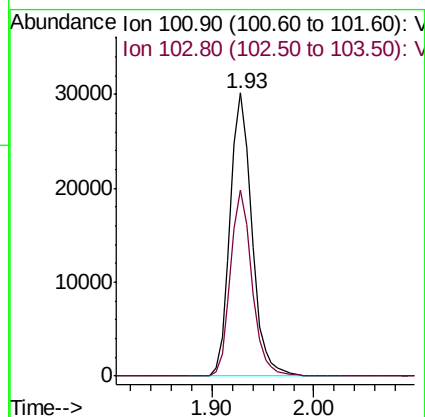
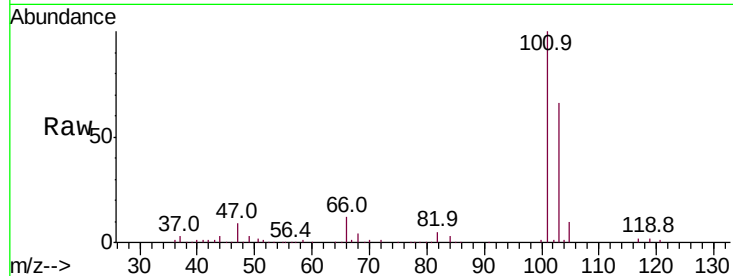
Trichlorofluoromethane
Concen: 16.829 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

Tot Ion:101 Resp: 44699
Ion Ratio Lower Upper
101 100
103 65.6 52.4 78.6

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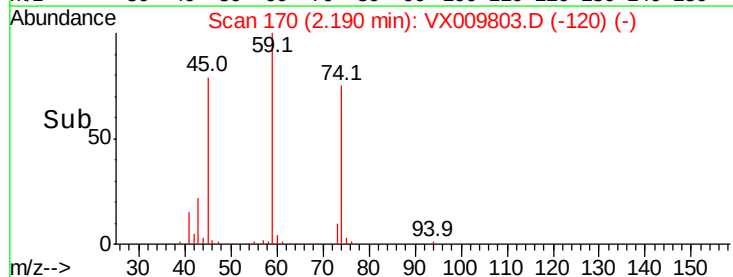
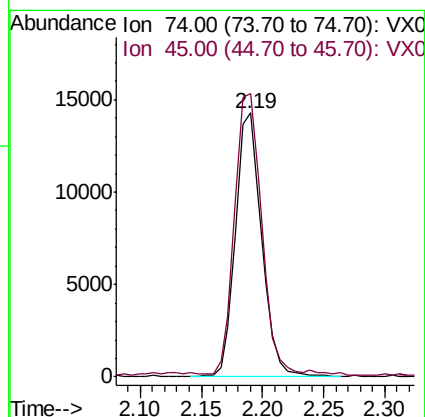
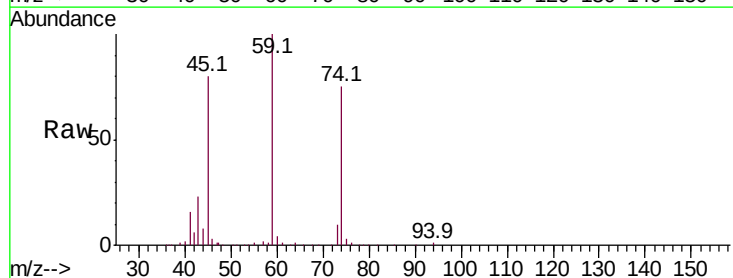
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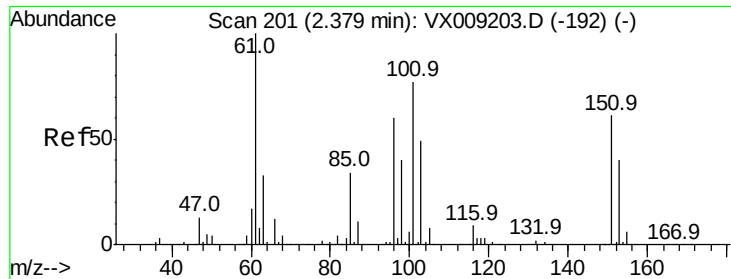


#8

Diethyl Ether
Concen: 16.744 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion: 74 Resp: 21067
Ion Ratio Lower Upper
74 100
45 109.3 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.105 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

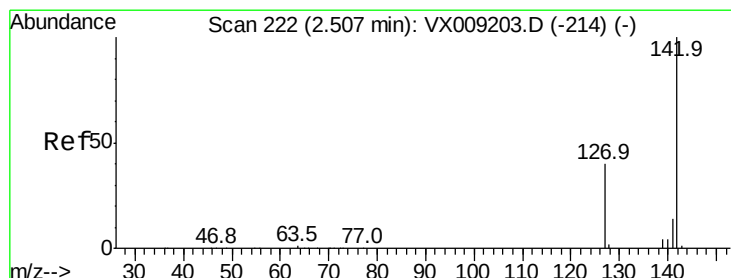
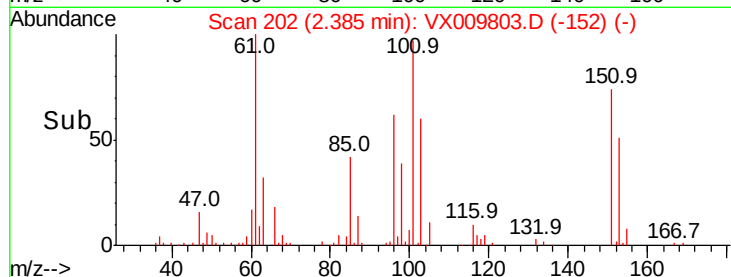
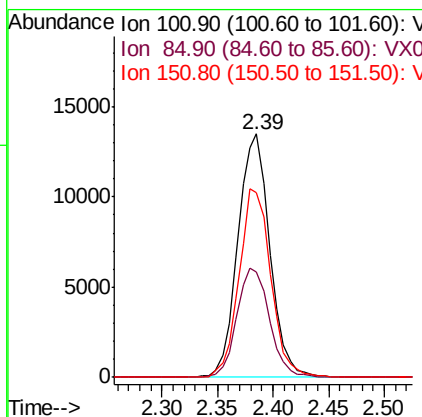
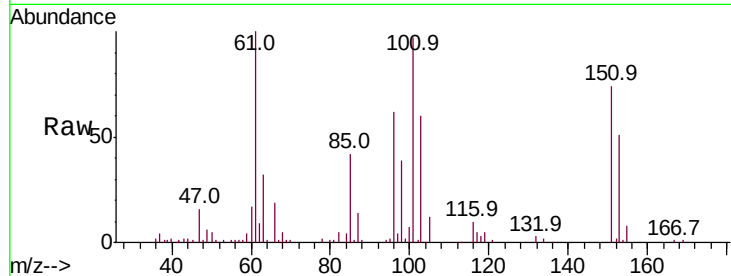
ClientSampled :

VX0522WBSD01

Tot Ion:	101	Resp:	26862
Ion Ratio	Lower	Upper	
101	100		
85	45.8	35.7	53.5
151	77.0	62.2	93.2

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#10

Methyl Iodide

Concen: 18.456 ug/l

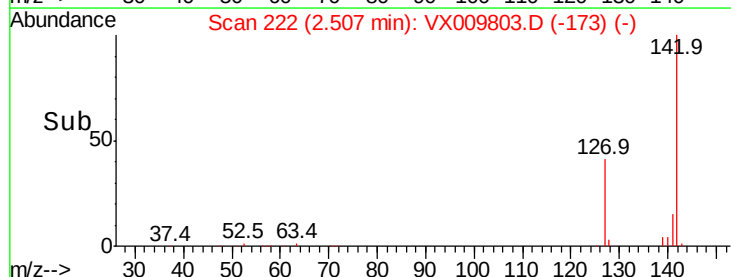
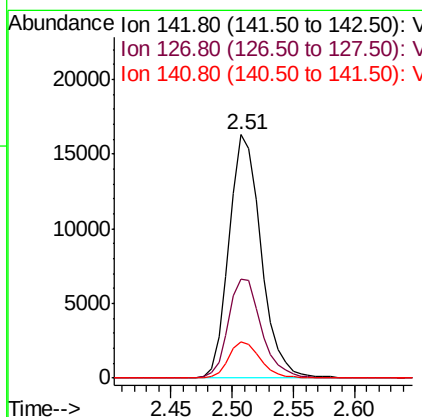
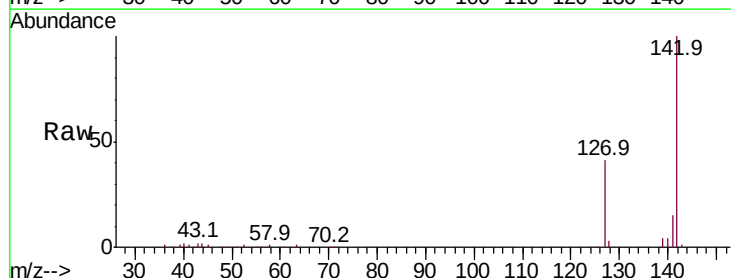
RT: 2.51 min Scan# 222

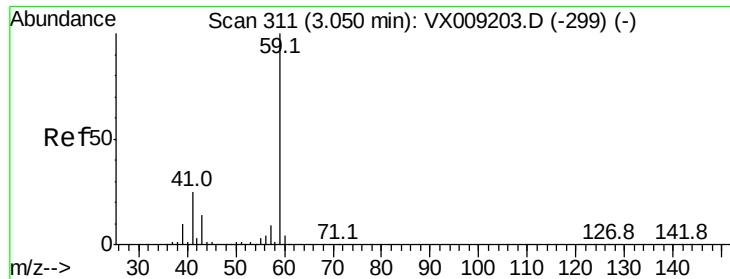
Delta R.T. 0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Tgt Ion:	142	Resp:	29583
Ion Ratio	Lower	Upper	
142	100		
127	41.9	32.7	49.1
141	14.7	11.5	17.3





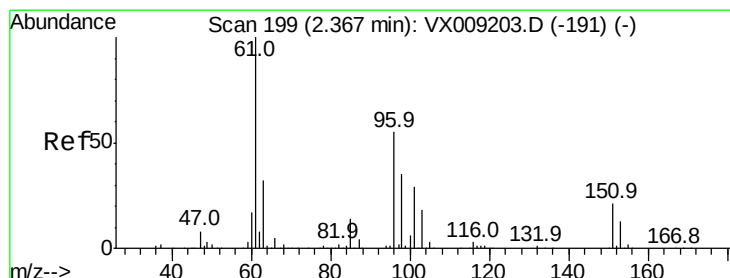
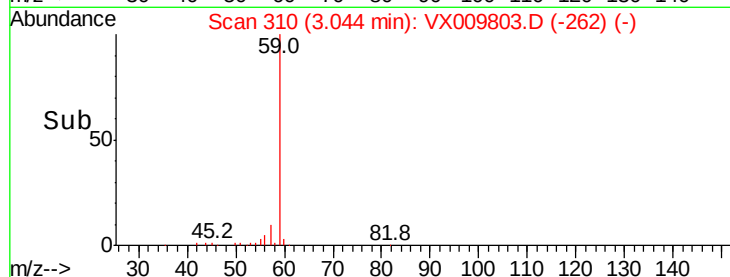
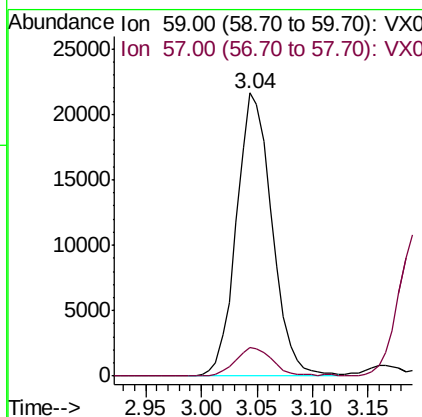
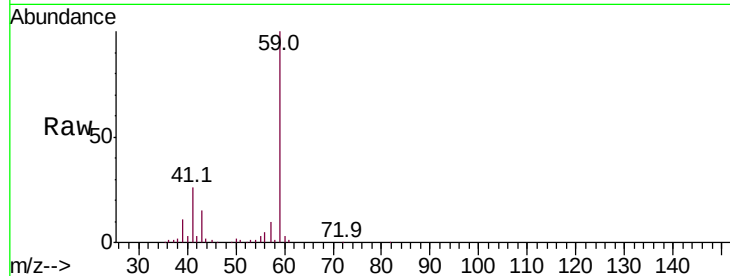
#11
Tert butyl alcohol
Concen: 85.185 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

Tot Ion: 59 Resp: 47944
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2

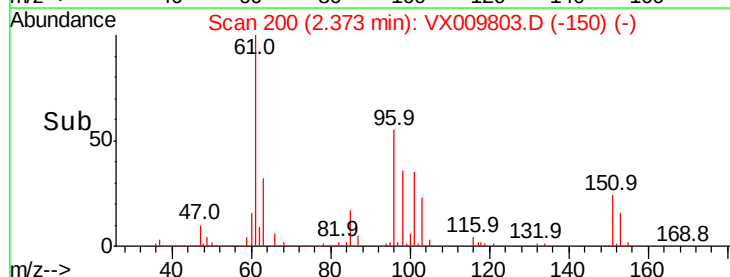
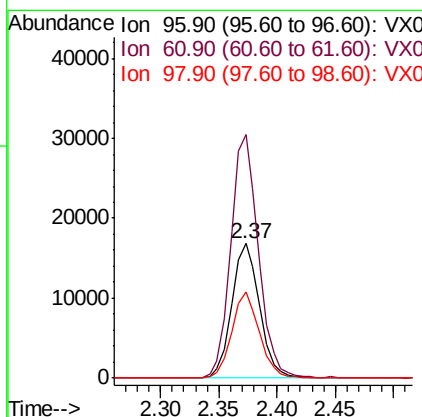
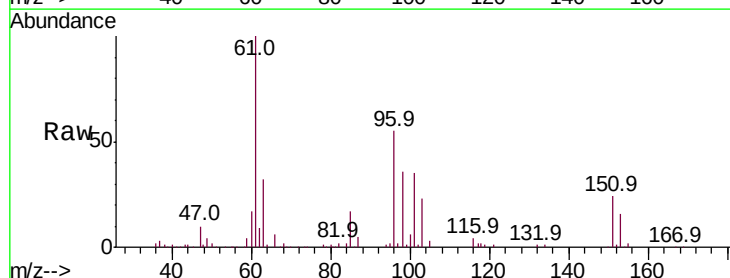
Manual Integrations
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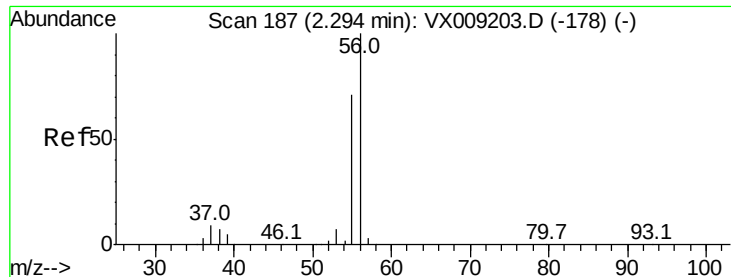
MMDadoda
5/23/2019 10:44:03 AM



#12
1,1-Dichloroethene
Concen: 16.700 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion: 96 Resp: 27909
Ion Ratio Lower Upper
96 100
61 181.3 144.3 216.5
98 64.6 50.3 75.5





#13

Acrolein

Concen: 82.275 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

Tot Ion: 56 Resp: 41936

Ion Ratio Lower Upper

56 100

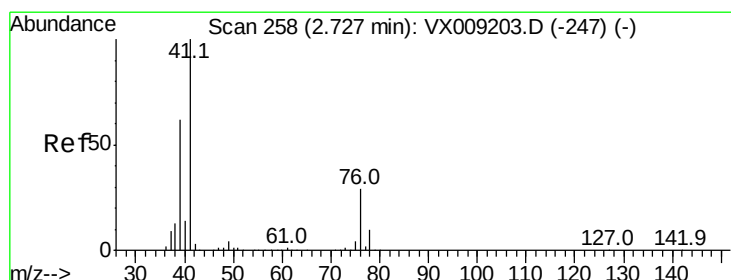
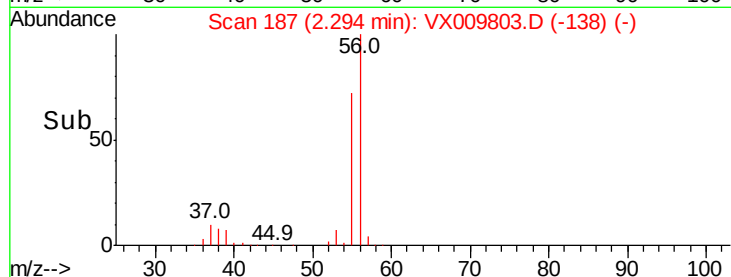
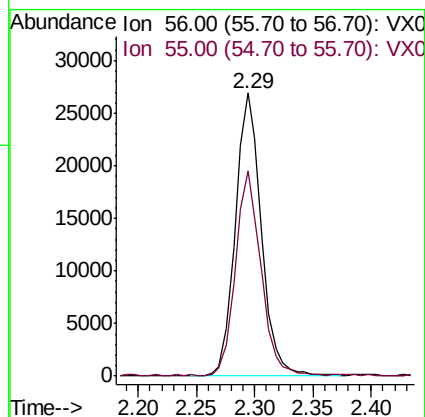
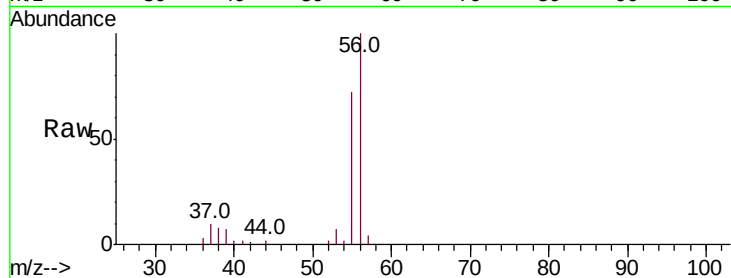
55 70.3 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 16.610 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

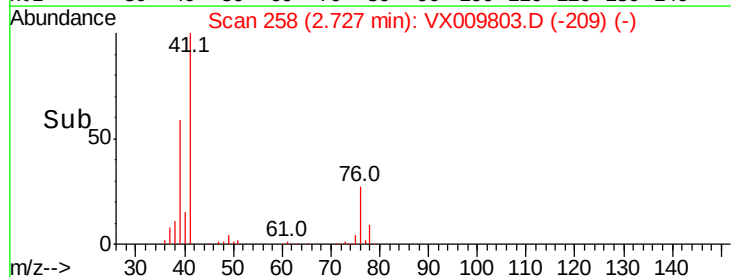
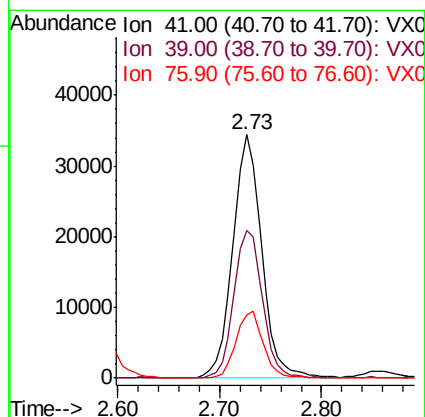
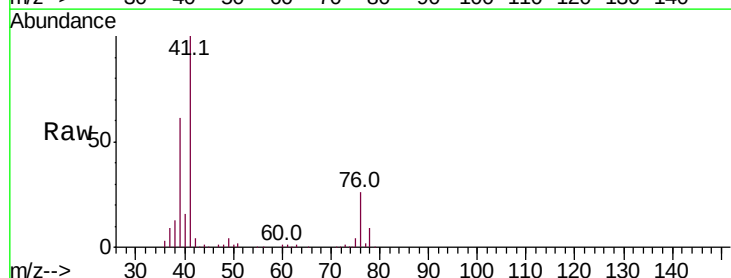
Tgt Ion: 41 Resp: 67650

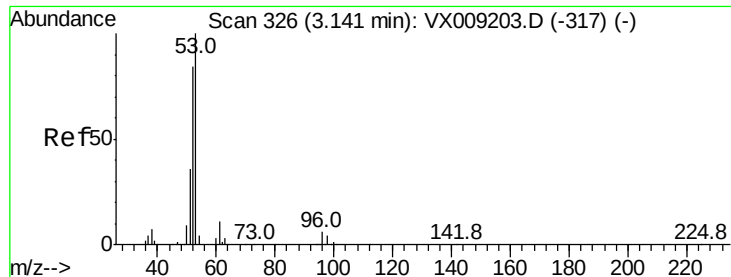
Ion Ratio Lower Upper

41 100

39 59.8 46.7 70.1

76 25.8 21.8 32.8





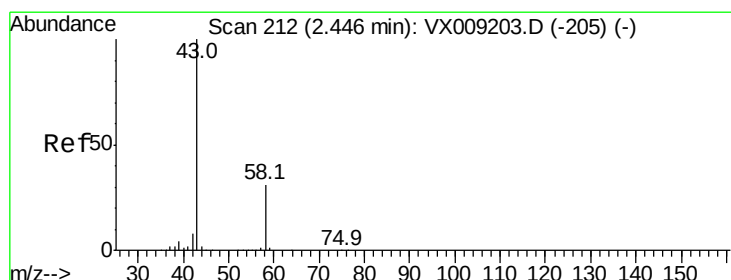
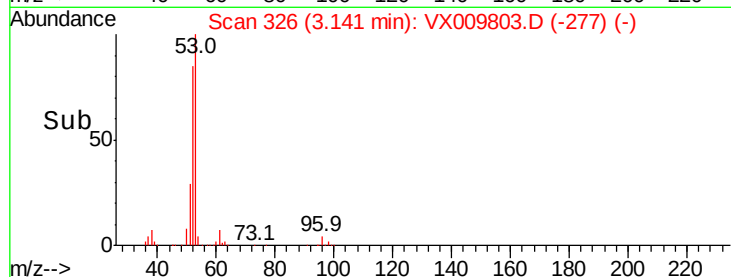
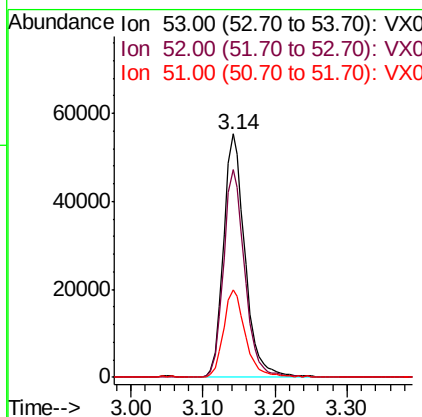
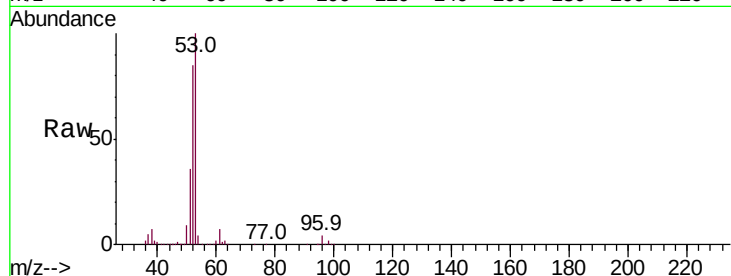
#15
 Acrylonitrile
 Concen: 83.733 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0522WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.9	100.3
51	36.4	28.2	42.2

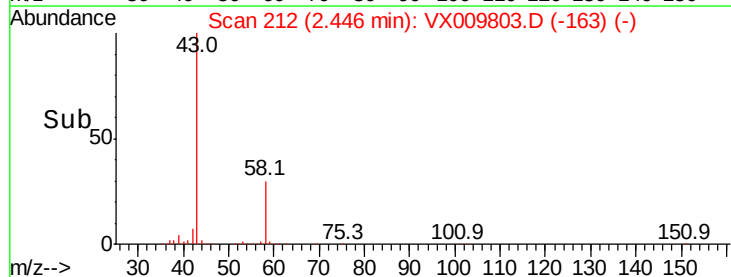
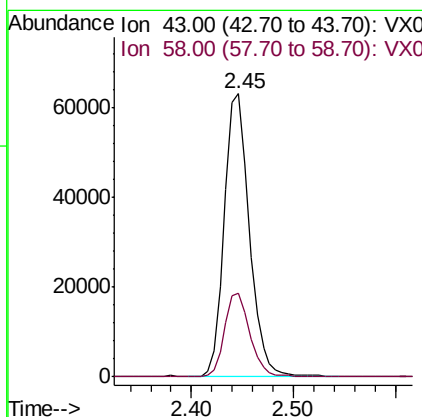
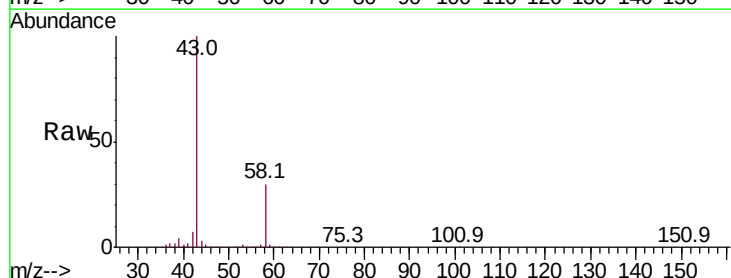
Manual Integrations
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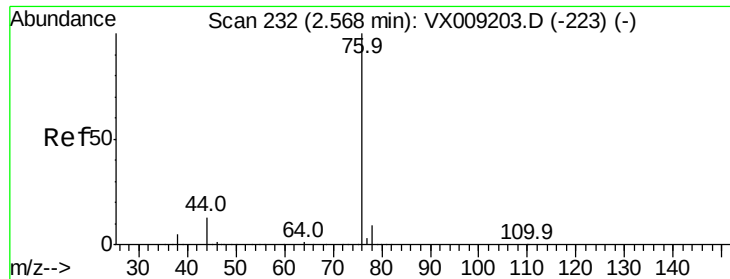
MMDadoda
 5/23/2019 10:44:03 AM



#16
 Acetone
 Concen: 82.047 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.9	37.3





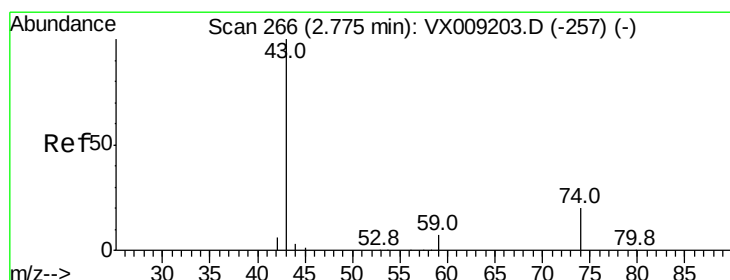
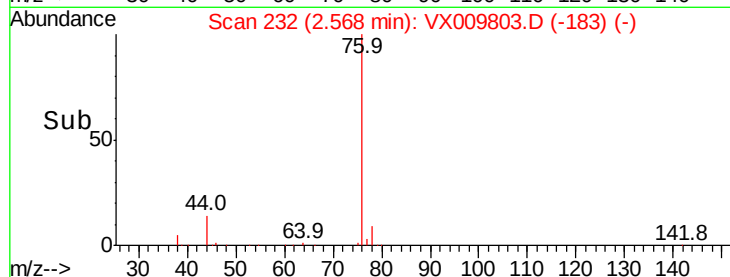
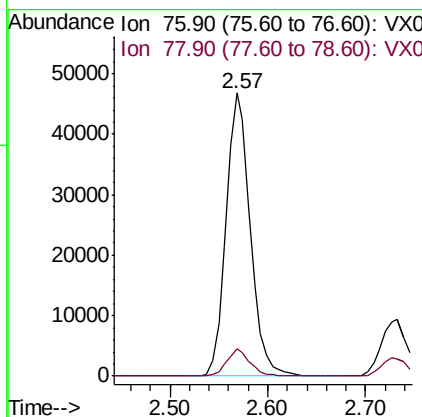
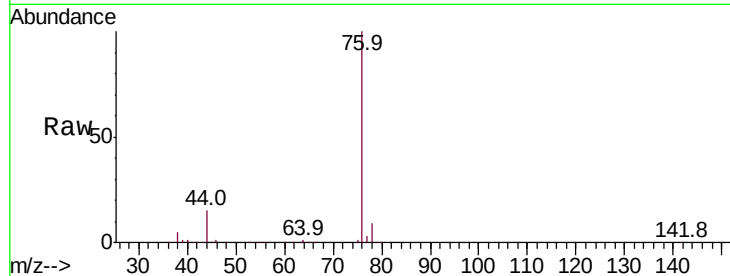
#17
Carbon Disulfide
Concen: 17.082 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

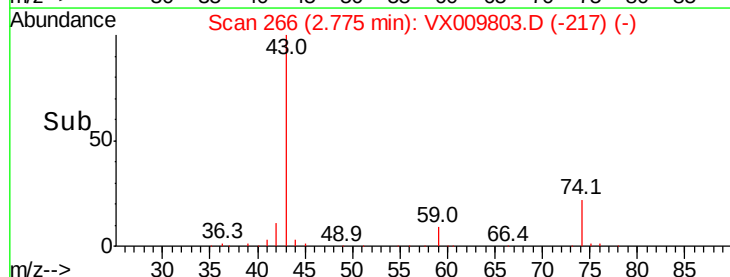
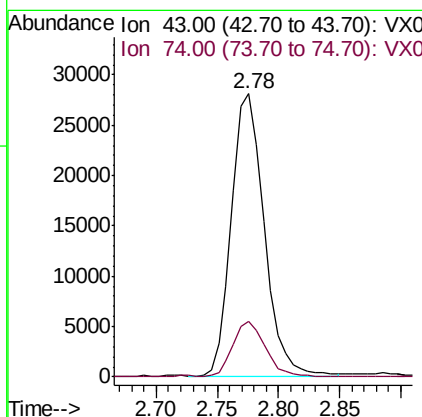
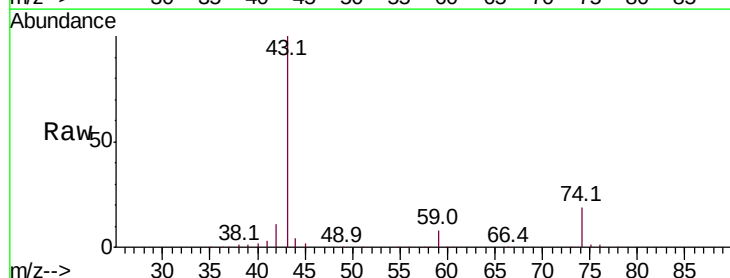
Manual Integrations
APPROVED

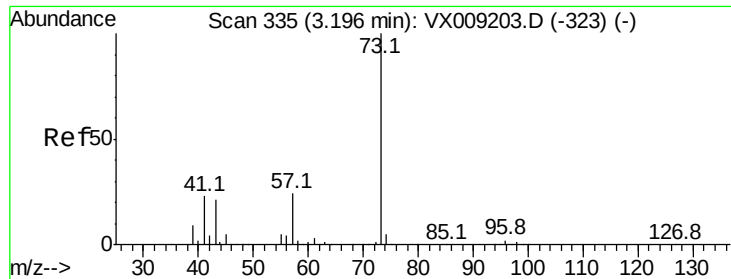
MMDadoda
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#18
Methyl Acetate
Concen: 16.814 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	16.2	24.4





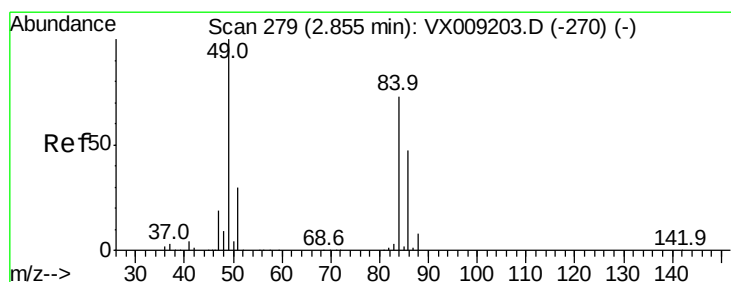
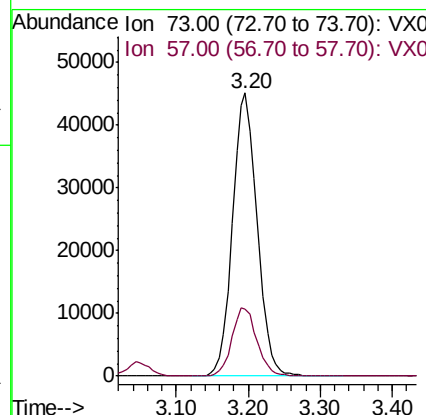
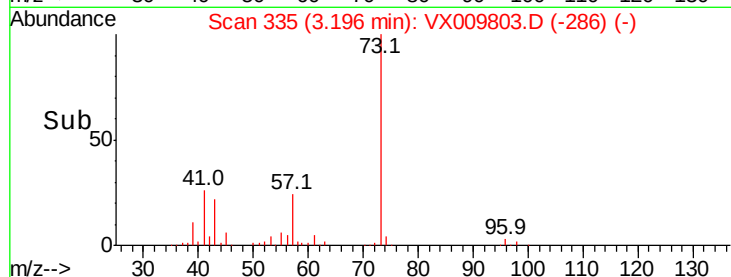
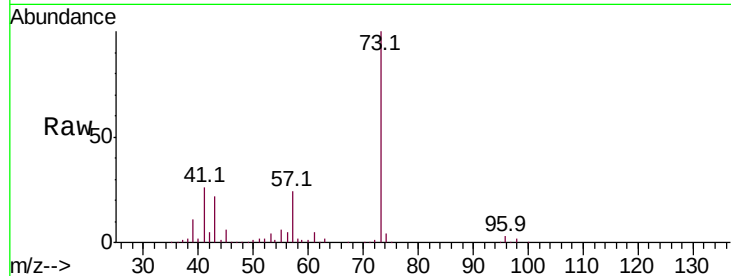
#19
Methyl tert-butyl Ether
Concen: 16.501 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.3	28.9

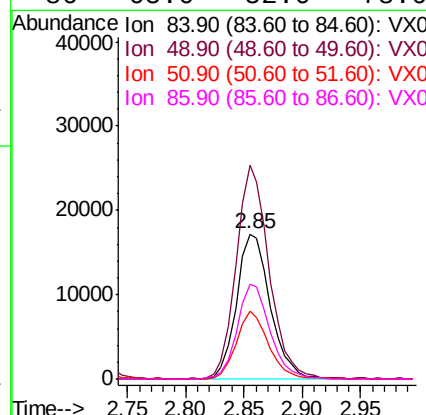
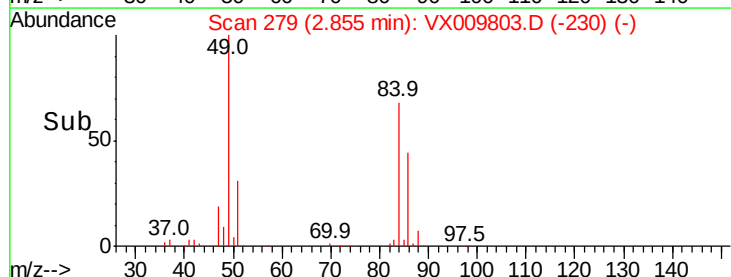
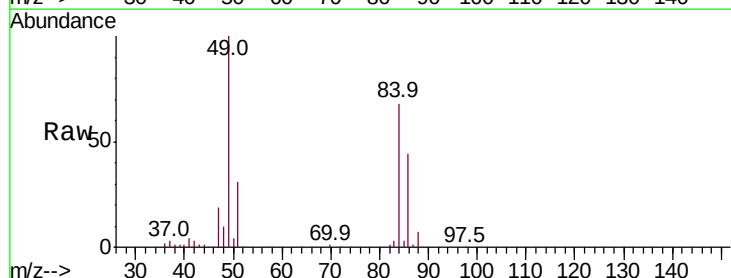
Manual Integrations
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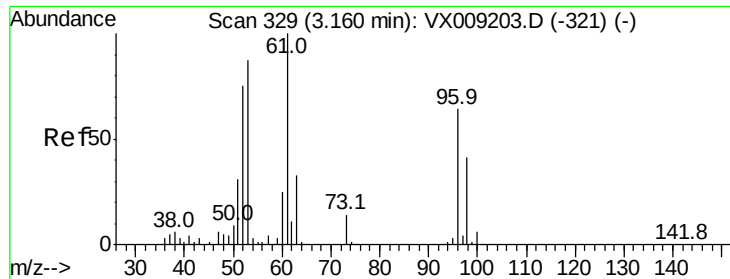
MMDadoda
5/23/2019 10:44:03 AM



#20
Methylene Chloride
Concen: 16.475 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.7	109.9	164.9
51	46.3	32.7	49.1
86	65.0	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 16.636 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

Tot Ion: 96 Resp: 30151

Ion Ratio Lower Upper

96 100

61 153.8 124.5 186.7

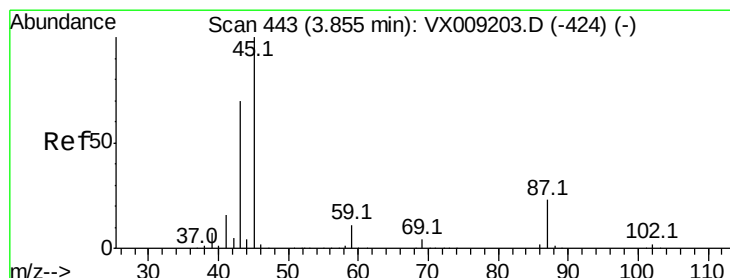
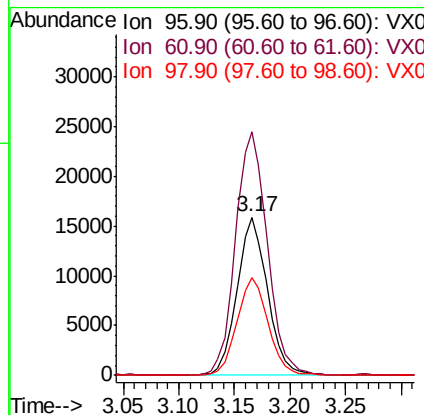
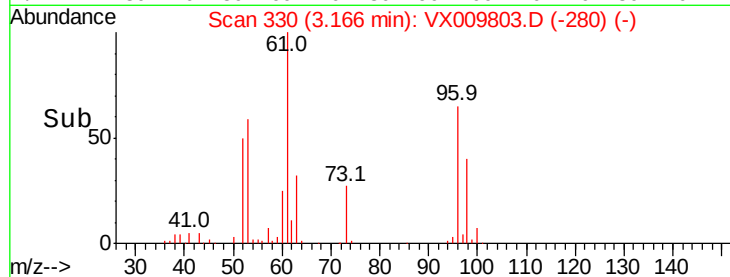
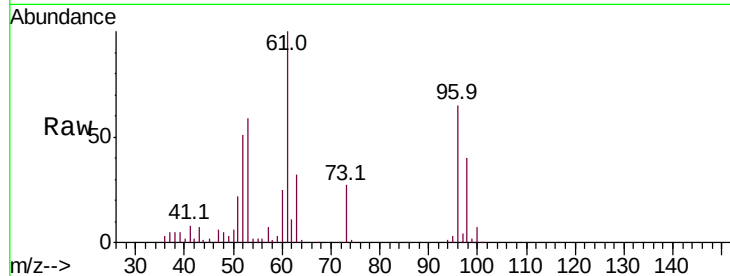
98 61.8 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 17.182 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Tgt Ion: 45 Resp: 134573

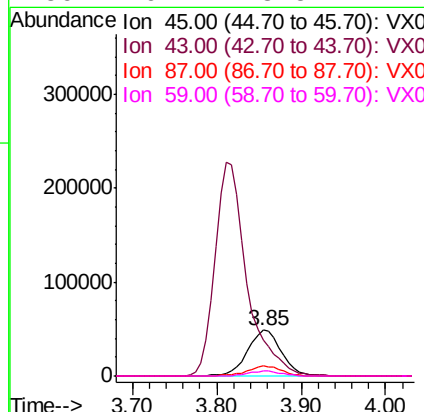
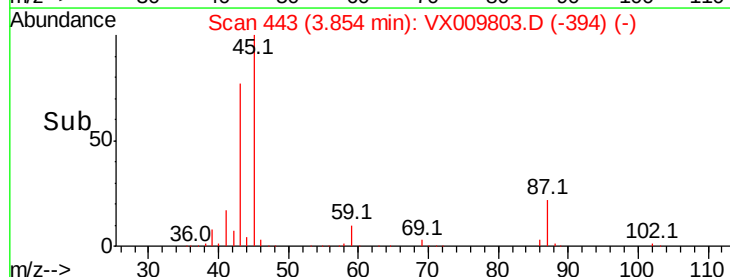
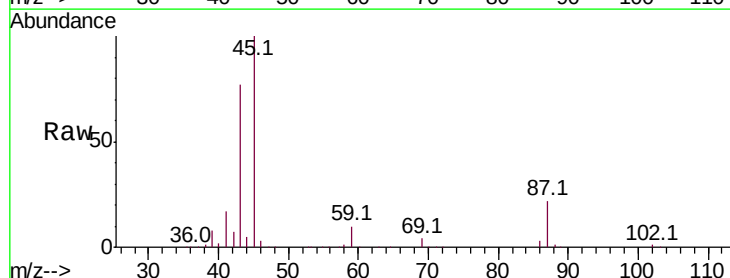
Ion Ratio Lower Upper

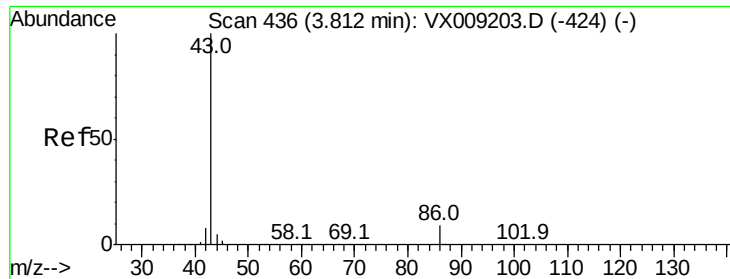
45 100

43 75.6 56.1 84.1

87 22.3 18.1 27.1

59 10.4 8.5 12.7





#23

Vinyl Acetate

Concen: 88.897 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

Tot Ion: 43 Resp: 596225

Ion Ratio Lower Upper

43 100

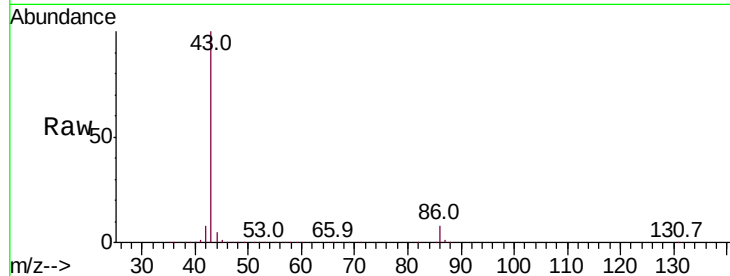
86 8.2 6.9 10.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

250000

200000

150000

100000

50000

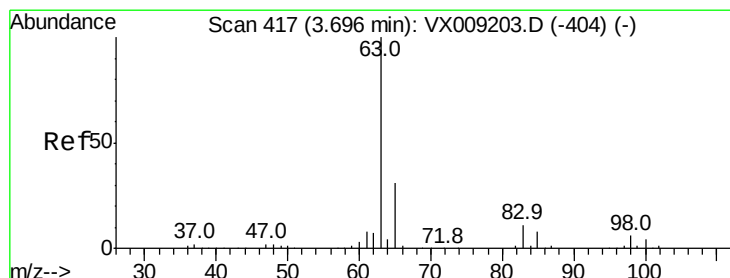
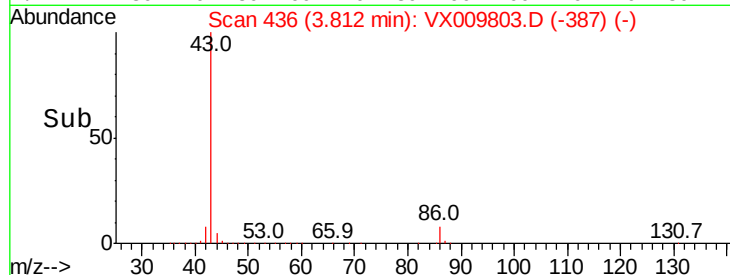
0

3.81

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 16.597 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

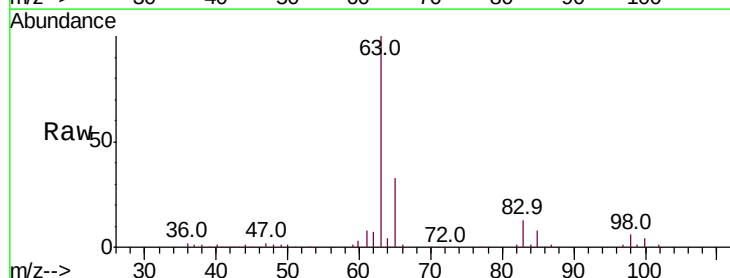
Tgt Ion: 63 Resp: 64126

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 3.8 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

30000

20000

10000

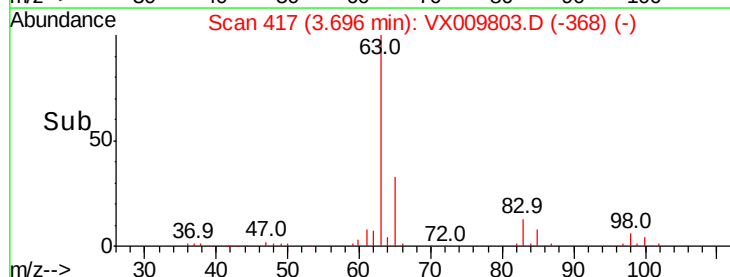
0

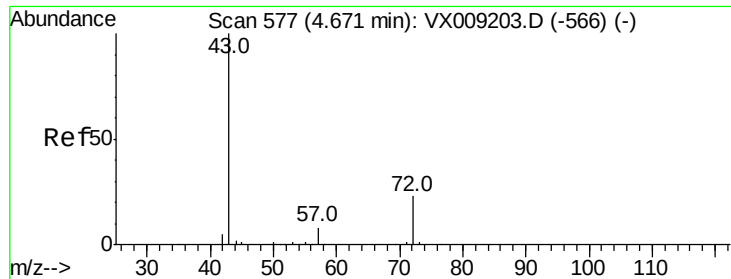
3.70

3.60

3.80

Time-->





#25

2-Butanone

Concen: 85.496 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Tot Ion: 43 Resp: 173459

Ion Ratio Lower Upper

43 100

72 21.6 18.2 27.2

Instrument :

MSVOA_X

ClientSampled :

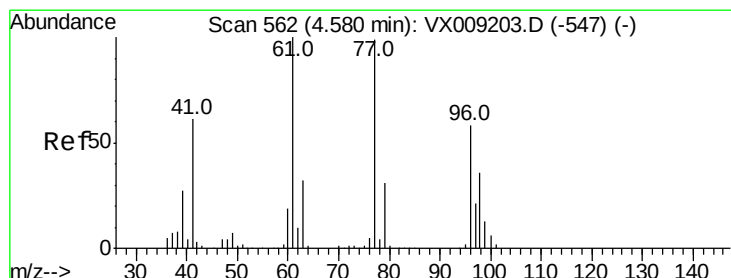
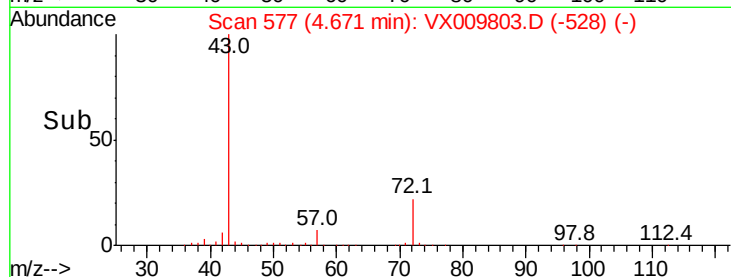
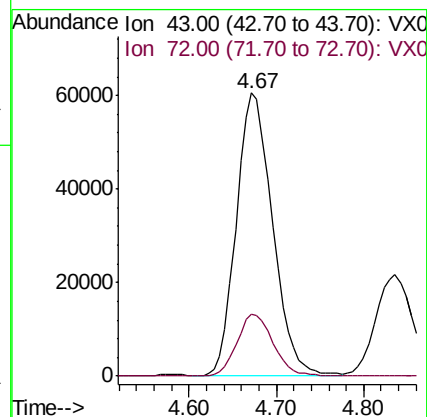
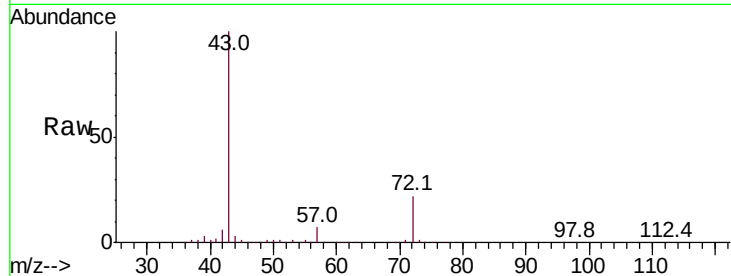
VX0522WBSD01

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 15.151 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009803.D

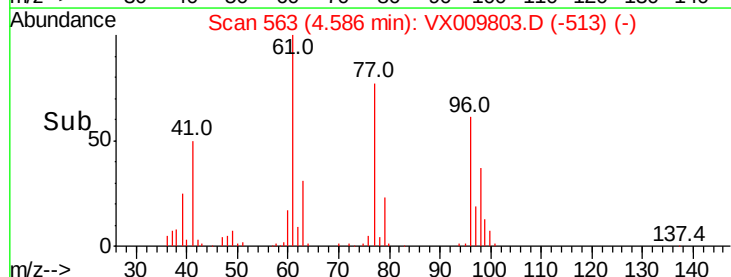
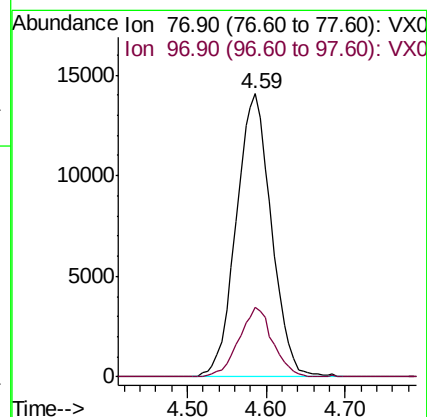
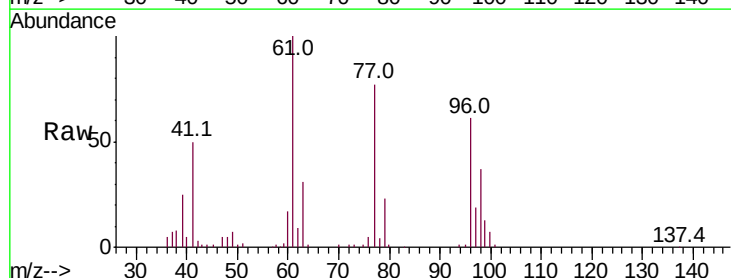
Acq: 22 May 2019 14:47

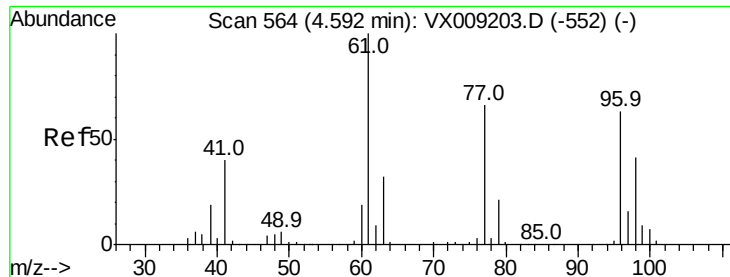
Tgt Ion: 77 Resp: 43573

Ion Ratio Lower Upper

77 100

97 23.7 11.5 34.4





#27

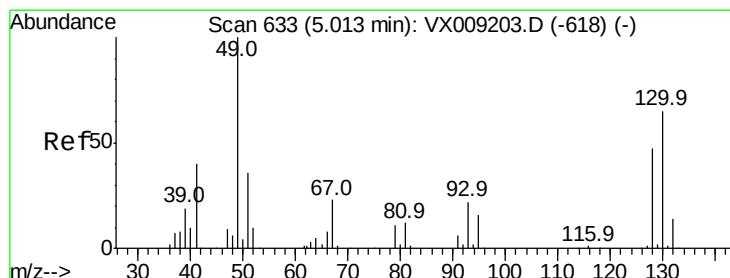
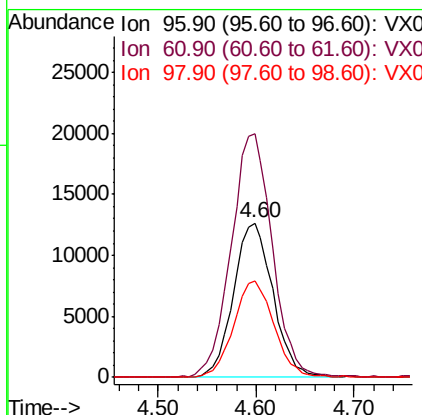
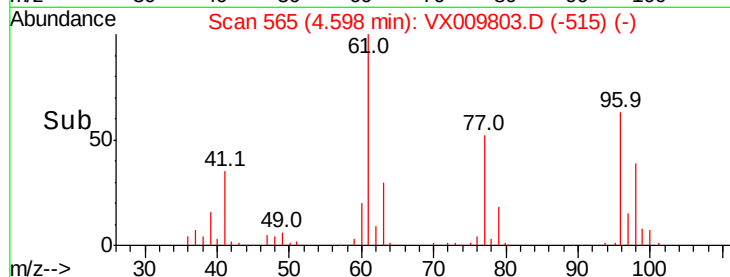
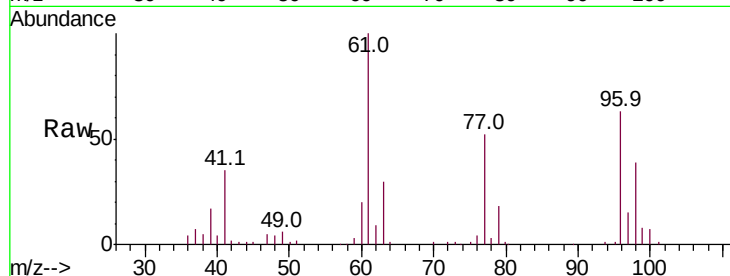
cis-1,2-Dichloroethene
 Concen: 16.347 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0522WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	35363		
61	164.6	0.0	324.0	
98	63.8	0.0	130.4	

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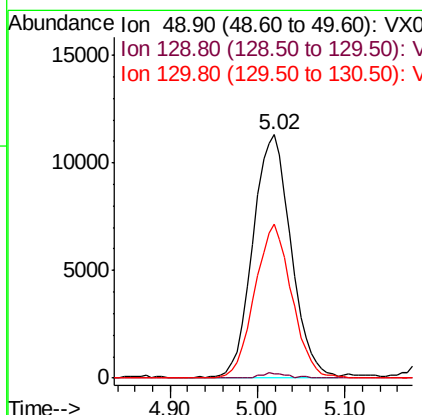
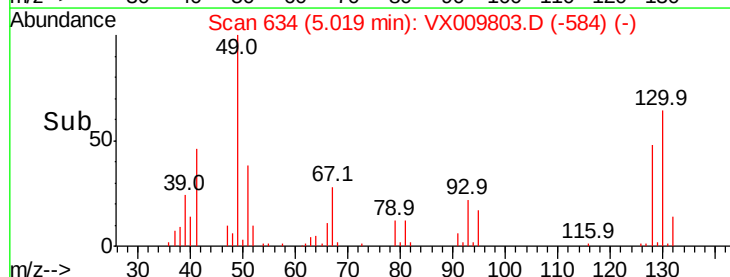
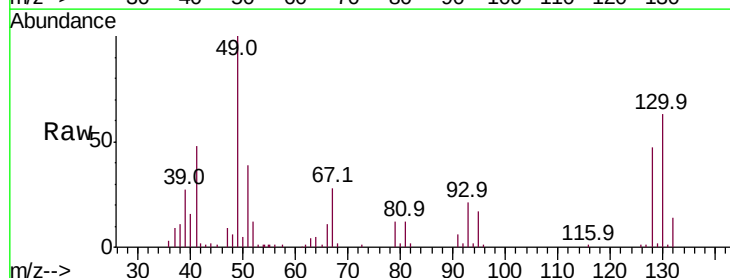
MMDadoda
 5/23/2019 10:44:03 AM

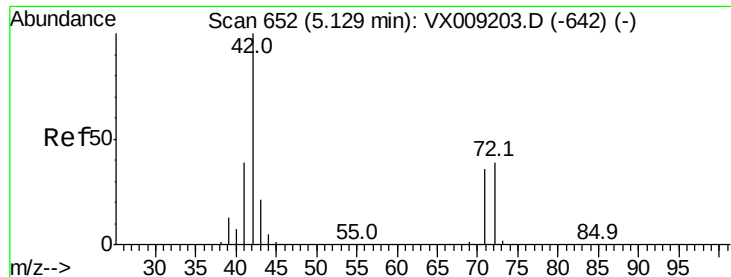


#28

Bromochloromethane
 Concen: 20.575 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	34510		
129	1.5	0.0	3.8	
130	61.4	51.2	76.8	





#29

Tetrahydrofuran

Concen: 88.638 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

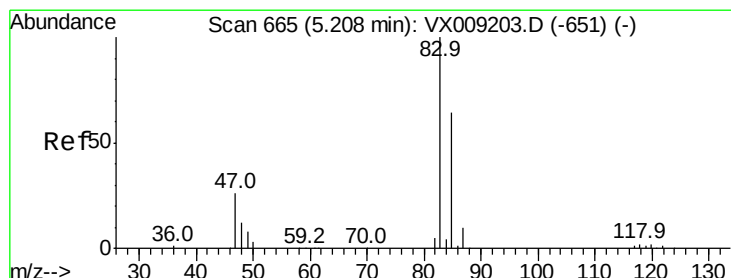
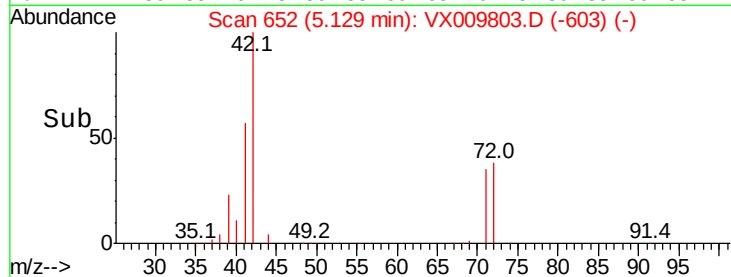
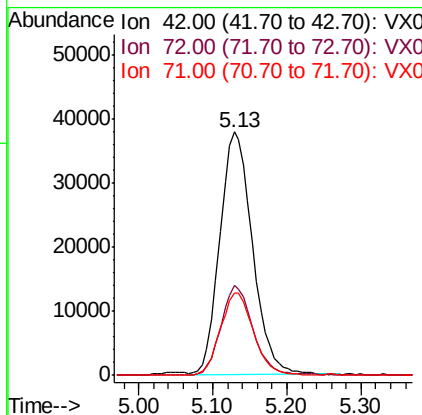
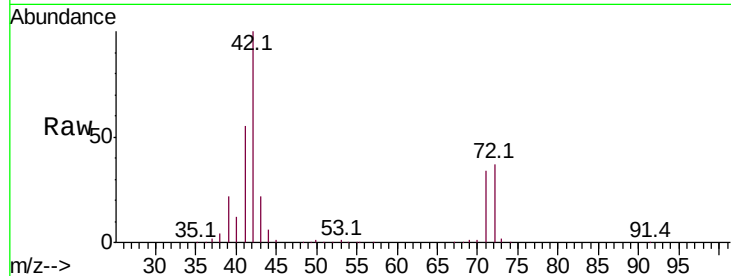
ClientSampleId :

VX0522WBSD01

Tot Ion:	42	Resp:	115721
Ion Ratio	Lower	Upper	
42	100		
72	36.8	30.4	45.6
71	34.4	28.6	43.0

Manual Integrations
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#30

Chloroform

Concen: 16.477 ug/l

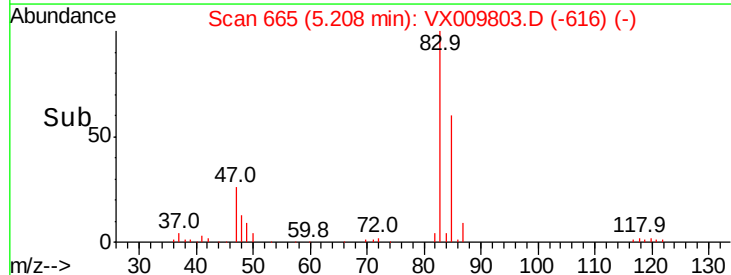
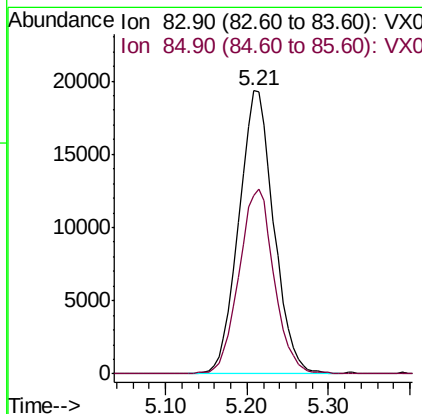
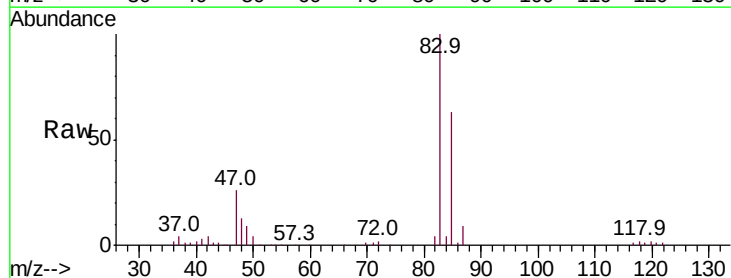
RT: 5.21 min Scan# 665

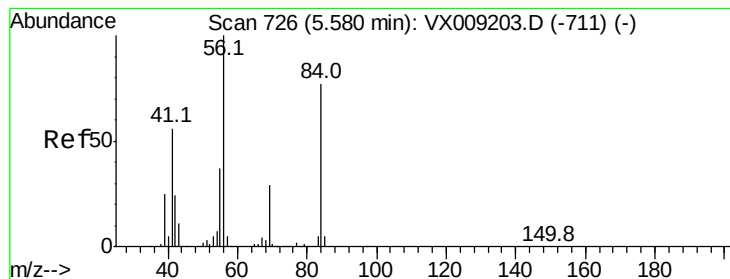
Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Tgt Ion:	83	Resp:	57581
Ion Ratio	Lower	Upper	
83	100		
85	62.9	51.5	77.3





#31

Cyclohexane

Concen: 17.260 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

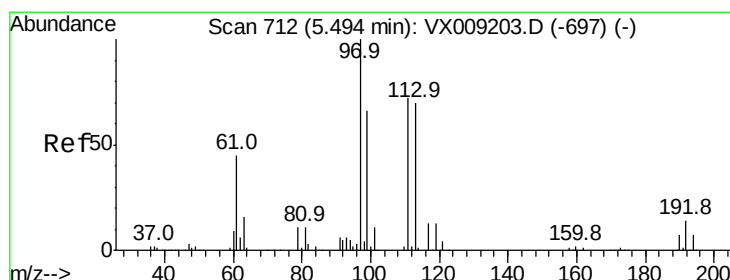
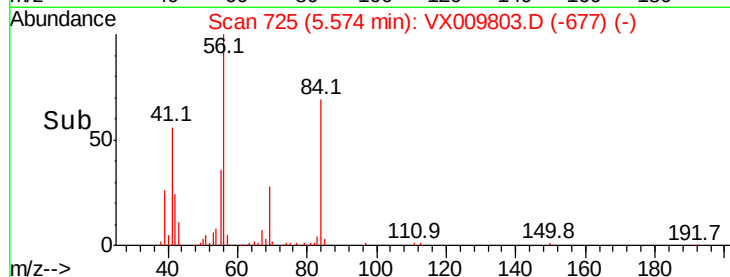
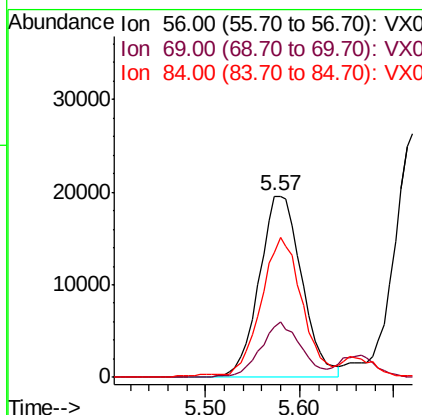
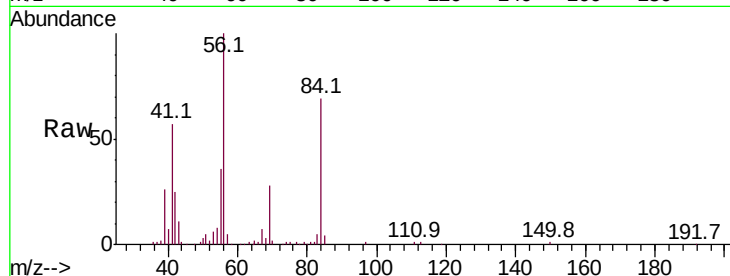
ClientSampleId :

VX0522WBSD01

Tot Ion:	56	Resp:	62047
Ion	Ratio	Lower	Upper
56	100		
69	27.5	23.4	35.0
84	67.5	61.9	92.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 16.436 ug/l

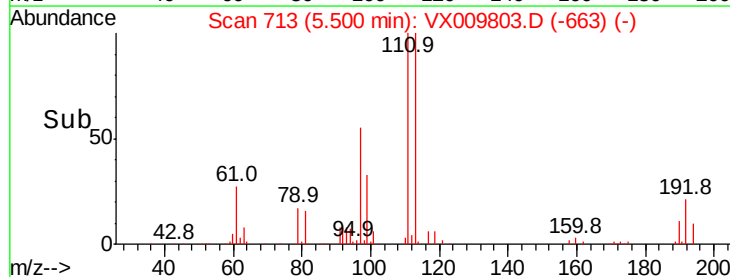
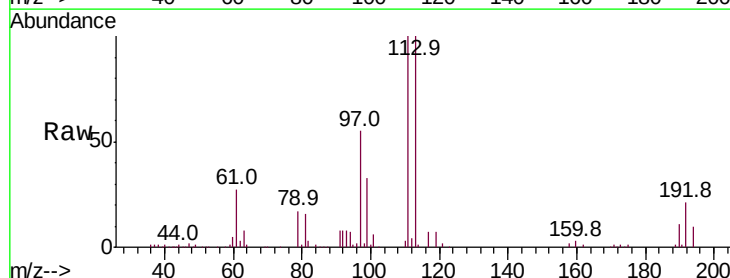
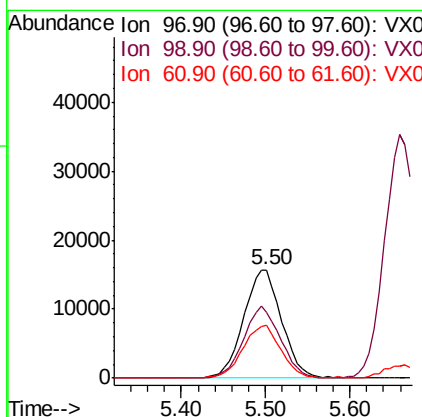
RT: 5.50 min Scan# 713

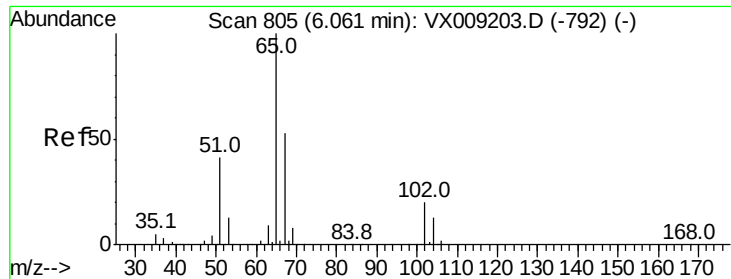
Delta R.T. 0.01 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Tgt Ion:	97	Resp:	47812
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	48.9	37.8	56.8





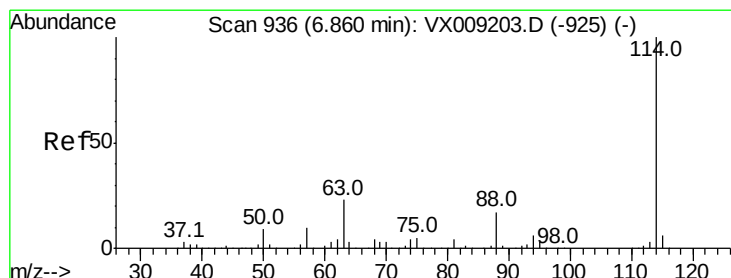
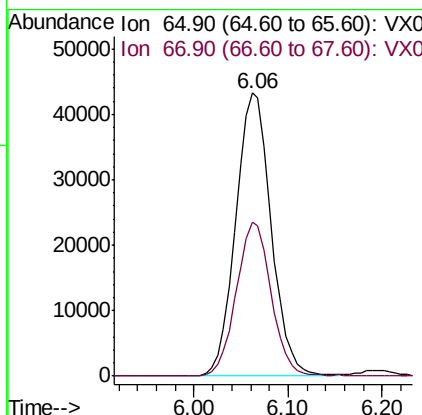
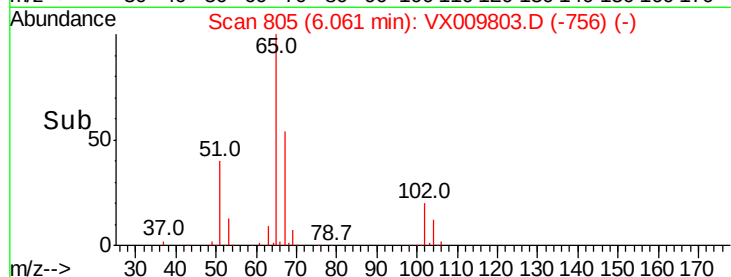
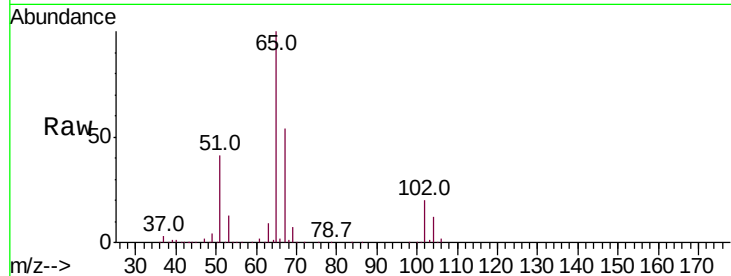
#33
 1,2-Dichloroethane-d4
 Concen: 46.818 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	106.6

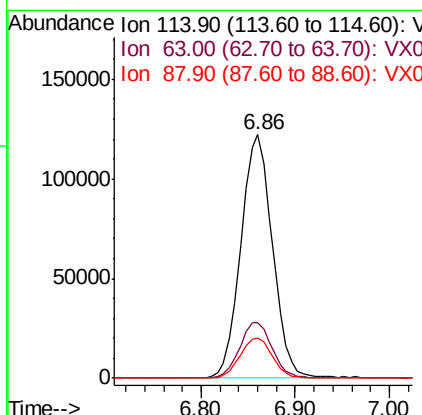
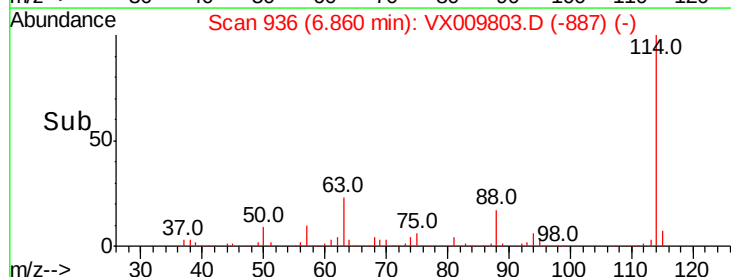
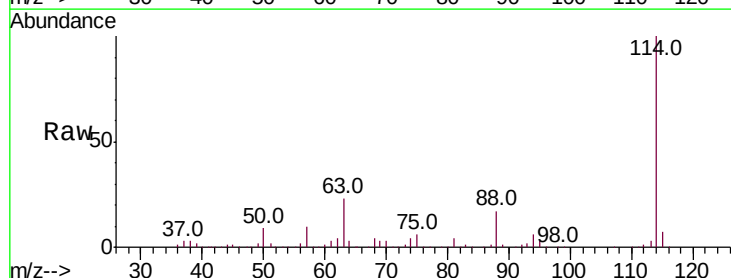
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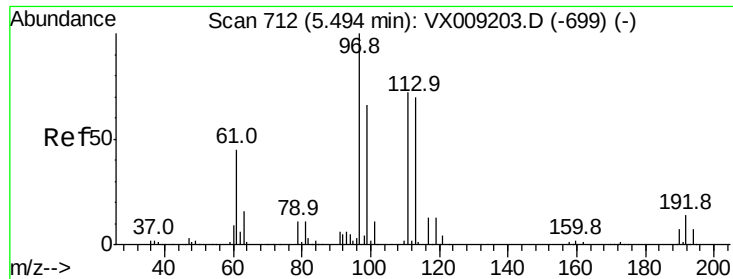
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 5/23/2019 10:44:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	45.6
88	16.7	0.0	33.2





#35

Dibromofluoromethane

Concen: 45.829 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

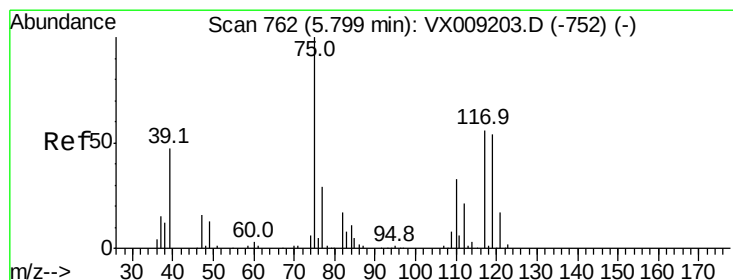
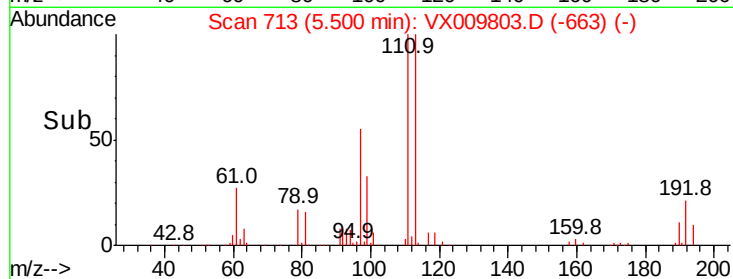
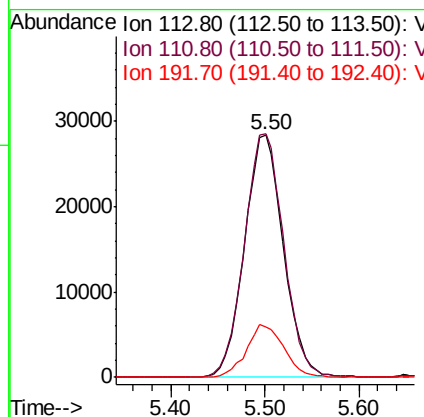
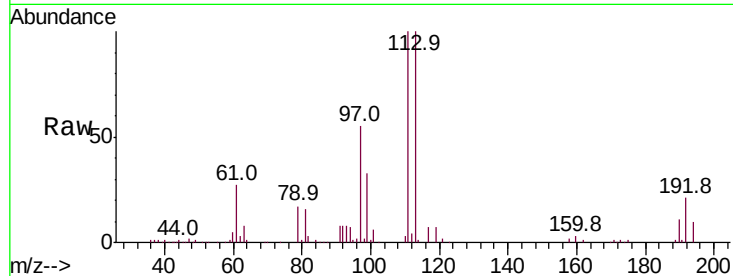
ClientSampleId :

VX0522WBSD01

Tot Ion:	113	Resp:	82049
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.8	124.2
192	21.1	17.0	25.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 16.762 ug/l

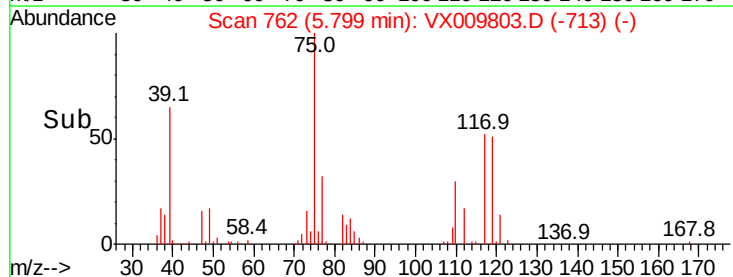
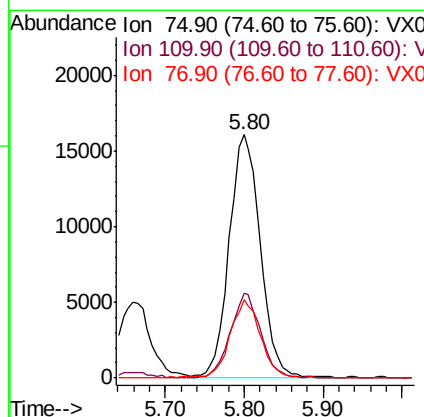
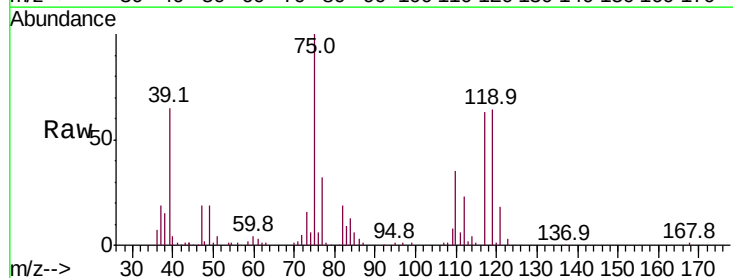
RT: 5.80 min Scan# 762

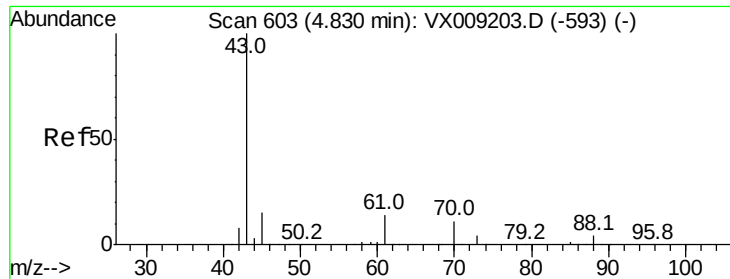
Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Tgt Ion:	75	Resp:	44362
Ion Ratio	Lower	Upper	
75	100		
110	33.7	16.9	50.6
77	31.7	24.8	37.2





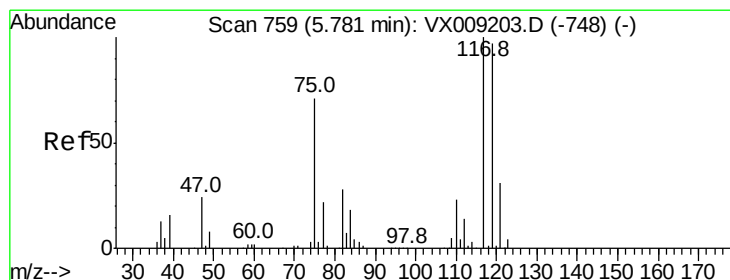
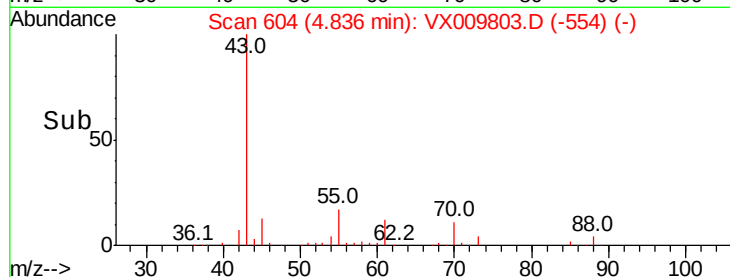
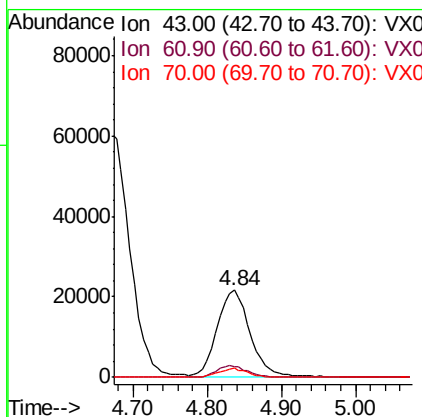
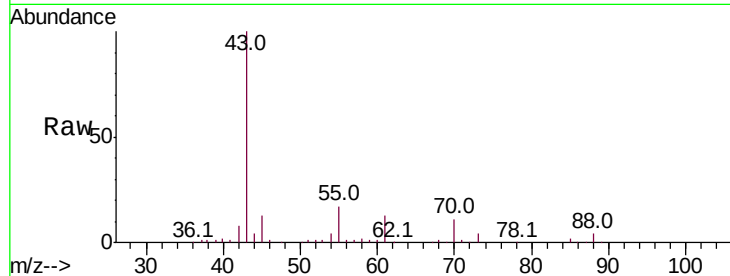
#37
Ethyl Acetate
Concen: 17.805 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.5	15.7
70	9.8	7.9	11.9

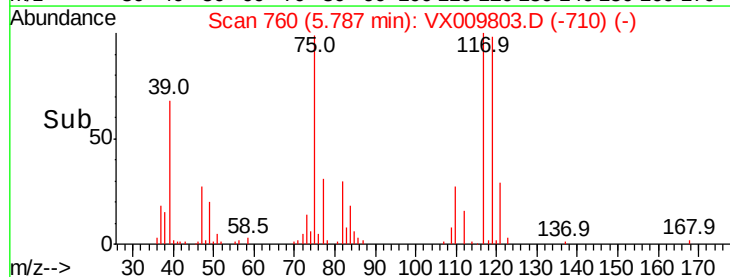
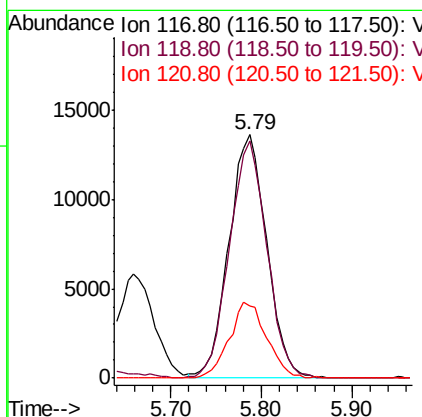
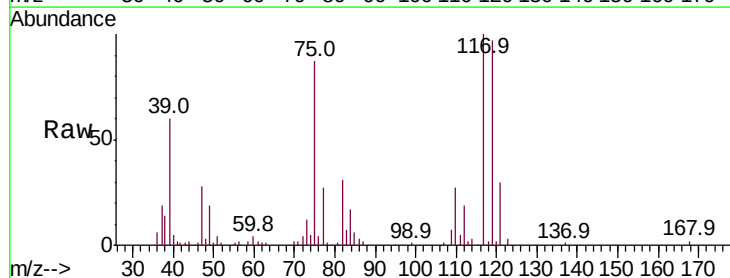
Manual Integrations
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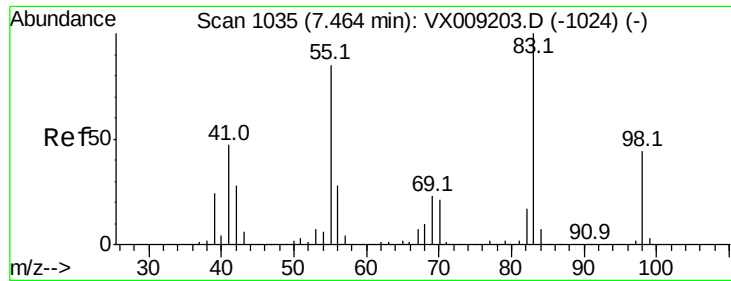
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#38
Carbon Tetrachloride
Concen: 16.404 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.5	116.3
121	29.7	24.7	37.1





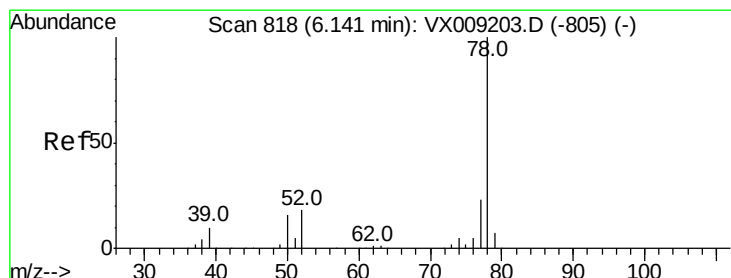
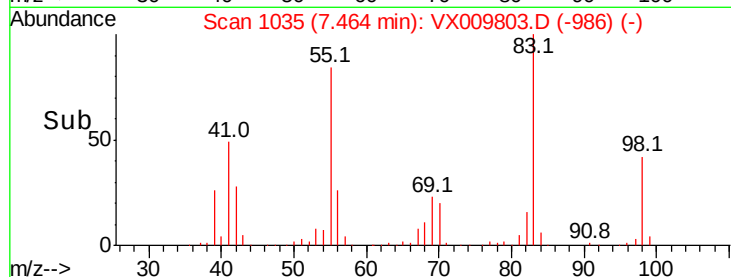
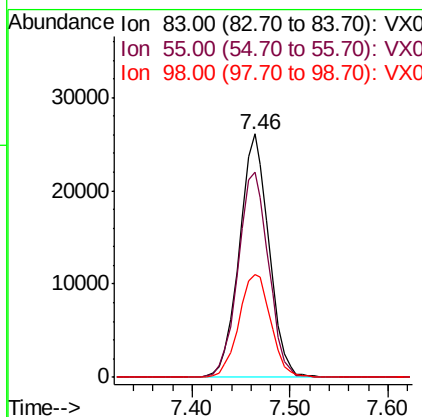
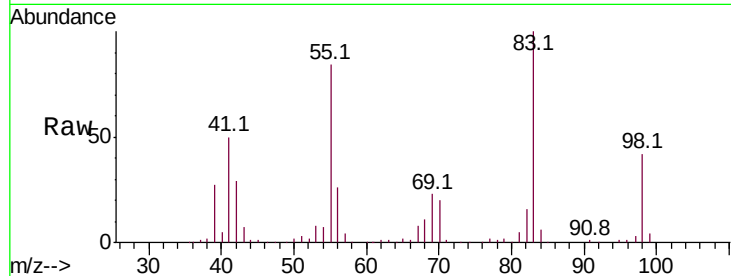
#39
Methylvlcyclohexane
Concen: 16.803 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

Tot Ion	83	Resp	54614
Ion	Ratio	Lower	Upper
83	100		
55	84.1	67.7	101.5
98	42.2	35.5	53.3

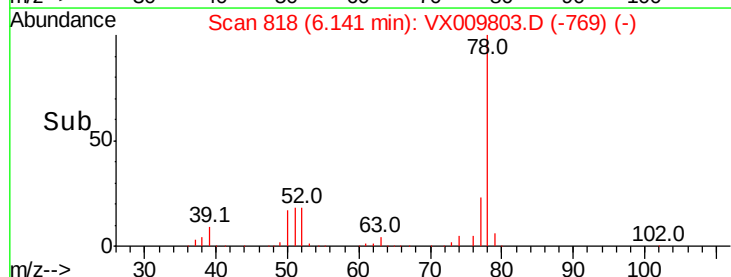
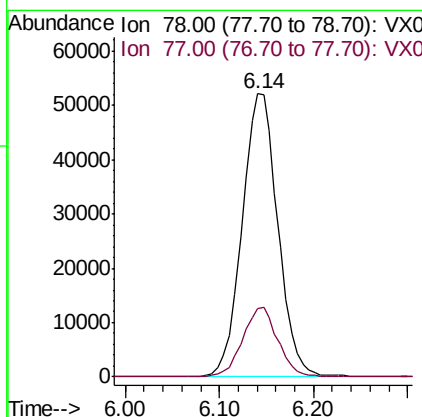
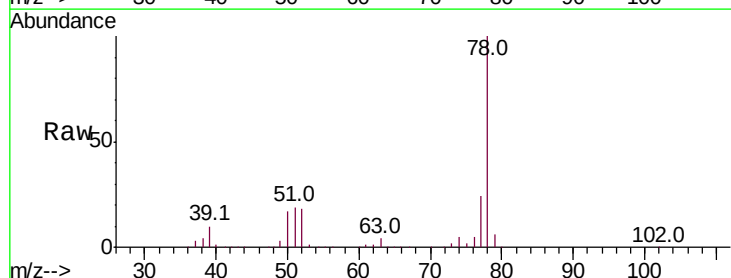
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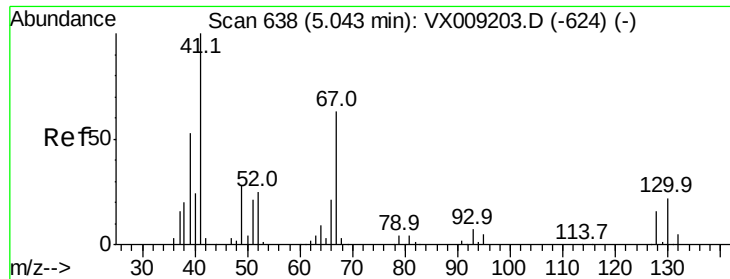
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5/23/2019 10:44:03 AM



#40
Benzene
Concen: 16.872 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion	78	Resp	138196
Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2





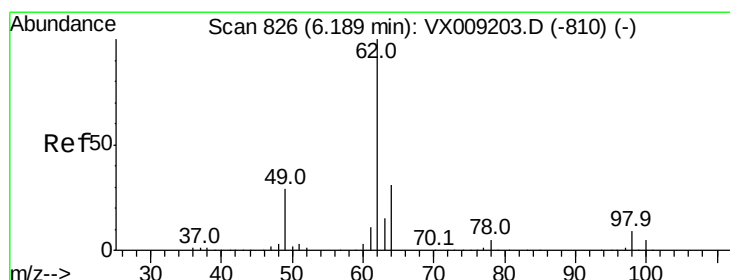
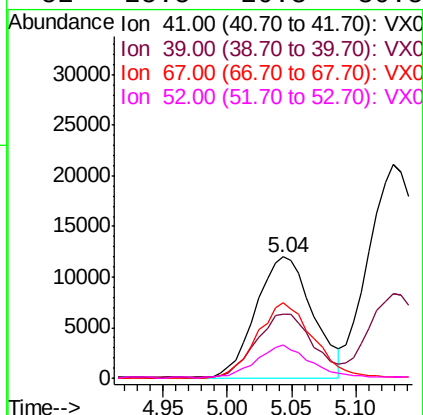
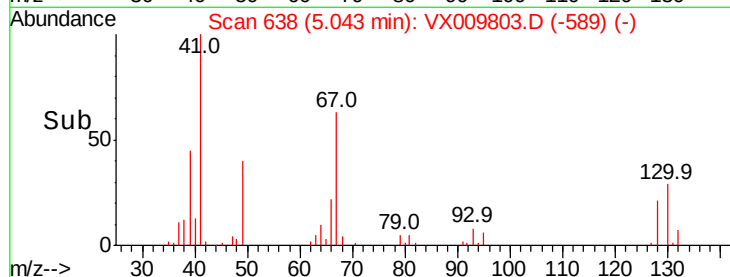
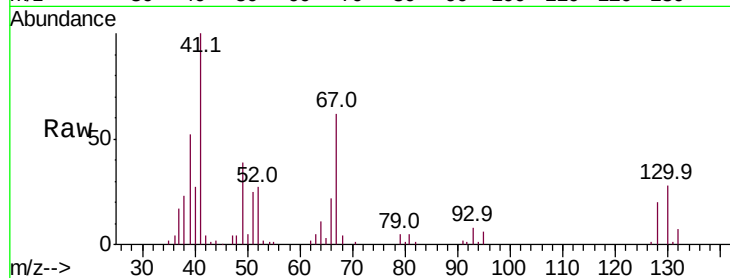
#41
Methacrylonitrile
Concen: 16.653 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.5	42.0	63.0
67	62.9	49.8	74.8
52	25.5	20.3	30.5

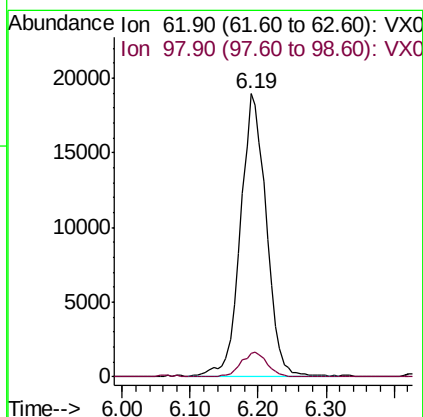
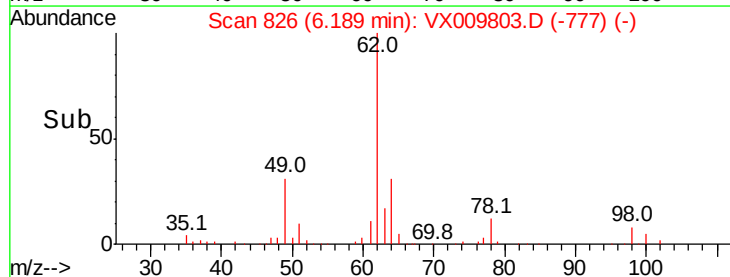
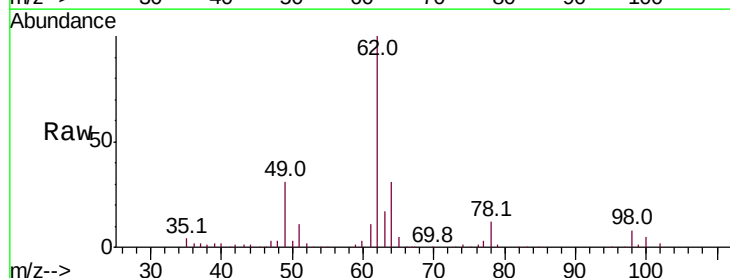
Manual Integrations
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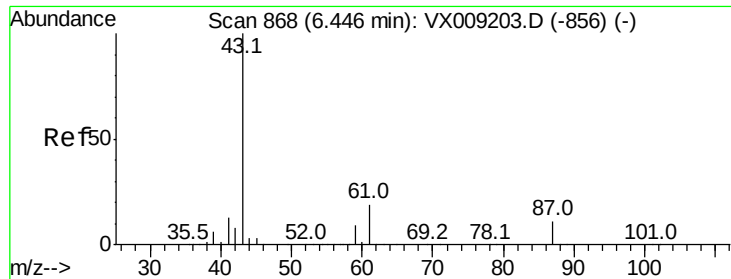
MMDadoda
5/23/2019 10:44:03 AM



#42
1,2-Dichloroethane
Concen: 17.136 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43

Isopropyl Acetate

Concen: 17.213 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

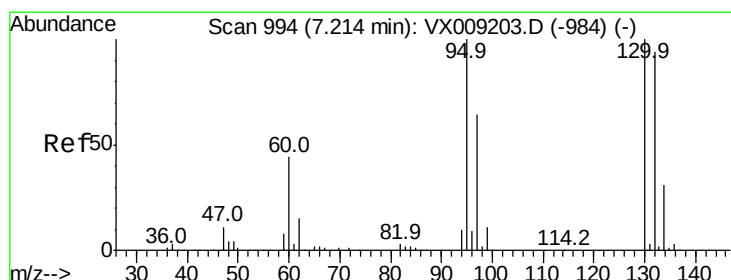
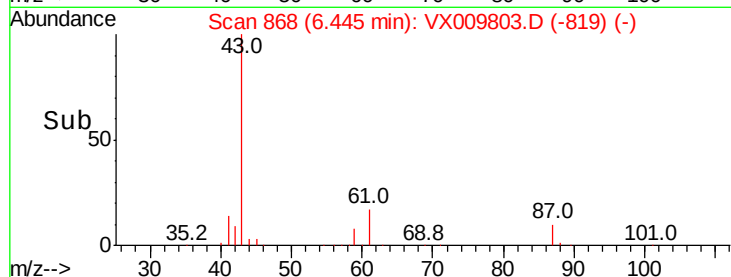
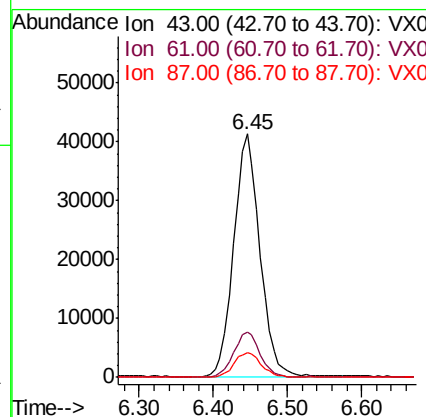
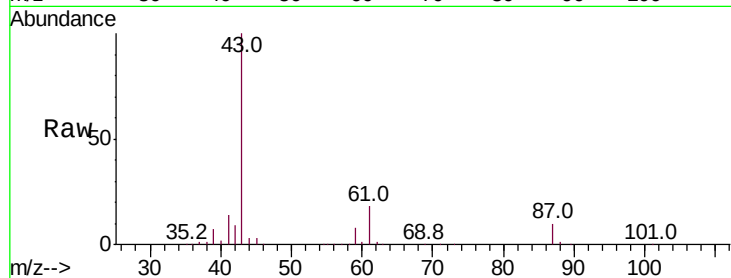
ClientSampleId :

VX0522WBSD01

Tot Ion:	43	Resp:	101530
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.1	22.7
87	10.7	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 16.429 ug/l

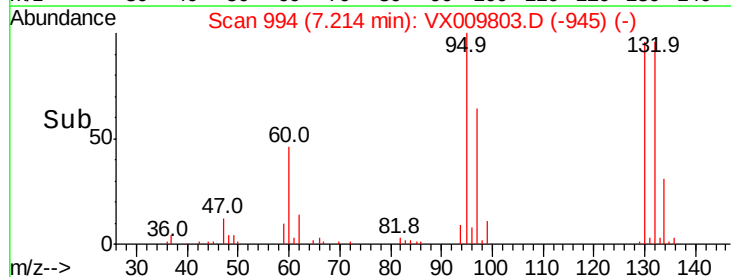
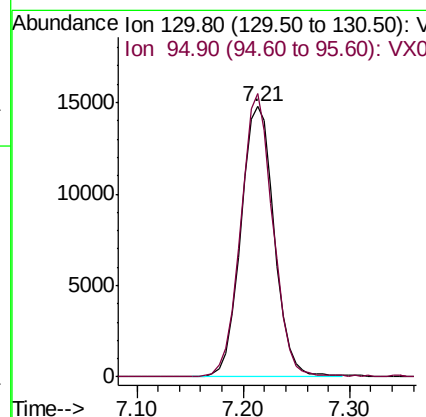
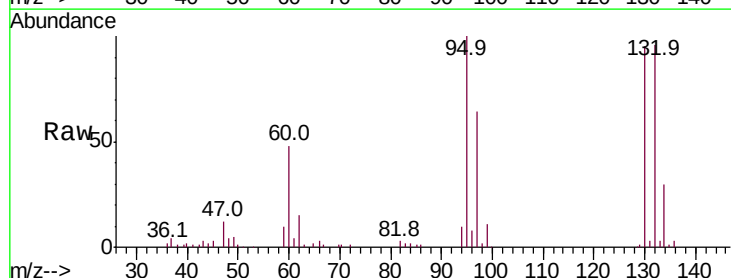
RT: 7.21 min Scan# 994

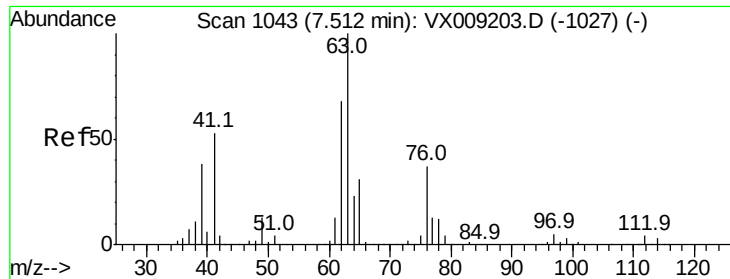
Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Tgt Ion:	130	Resp:	32533
Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	199.2





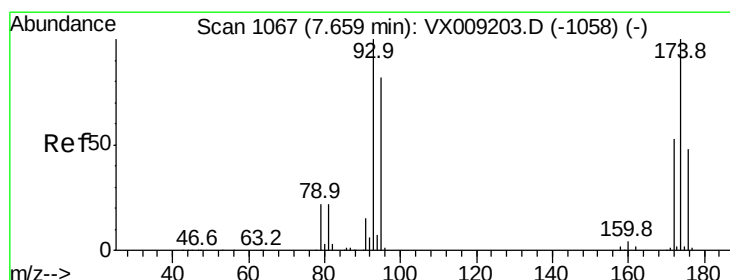
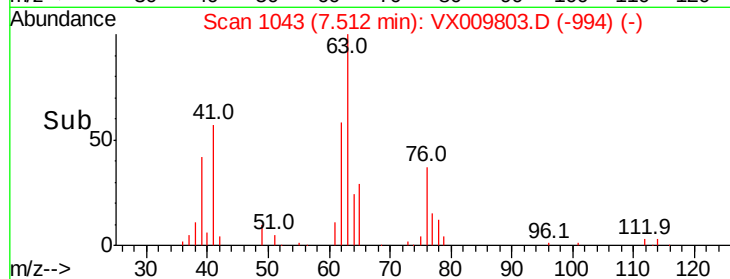
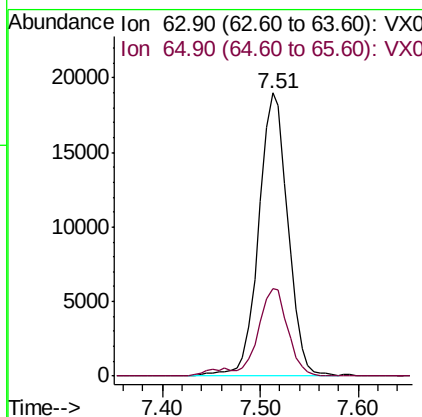
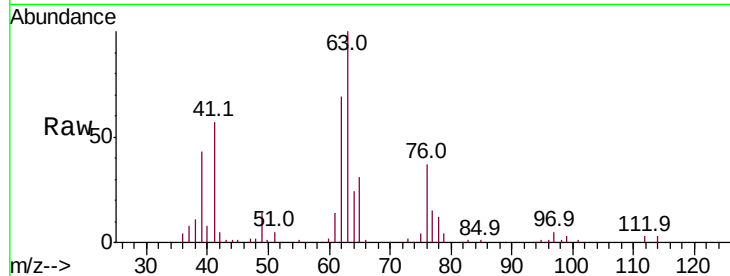
#45
 1,2-Dichloropropane
 Concen: 16.957 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBSD01

Tot Ion: 63 Resp: 39329
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6

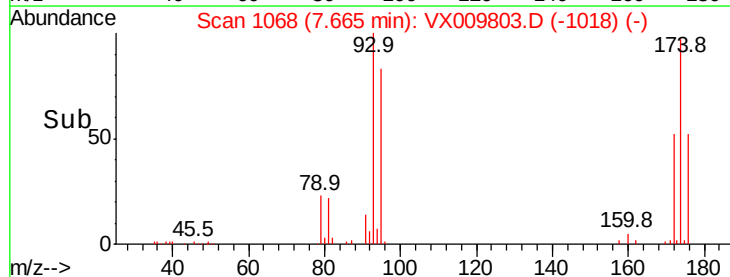
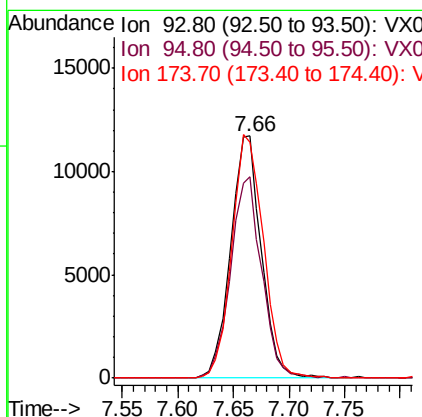
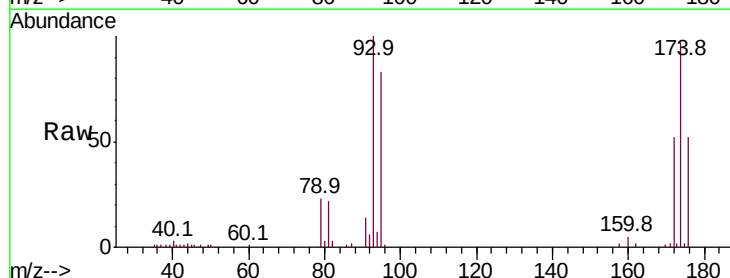
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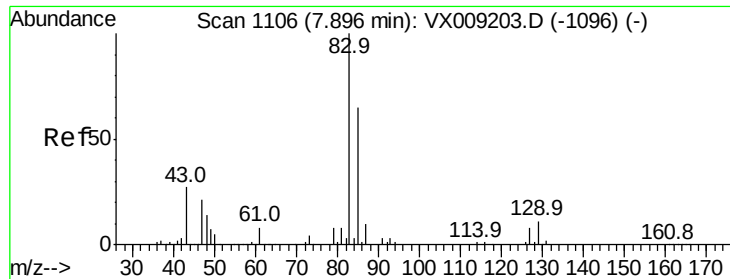
MMDadoda
 5/23/2019 10:44:03 AM



#46
 Dibromomethane
 Concen: 16.546 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Tgt Ion: 93 Resp: 22285
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.5 99.7
 174 103.8 82.1 123.1





#47

Bromodichloromethane

Concen: 16.281 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

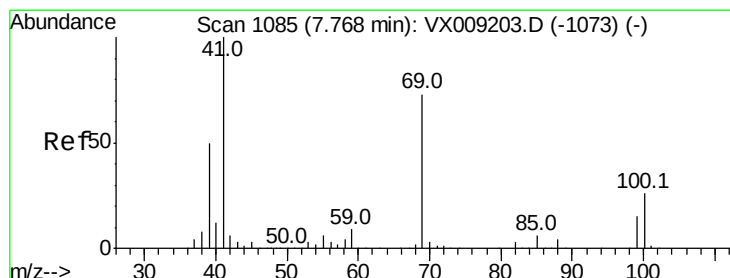
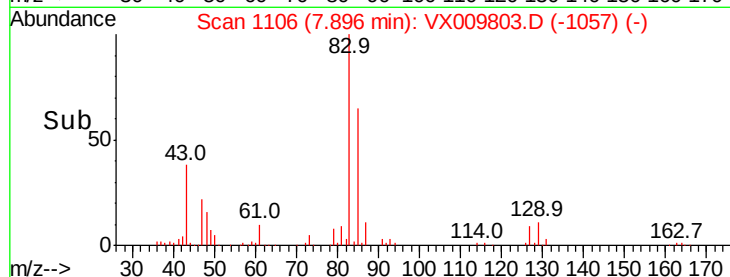
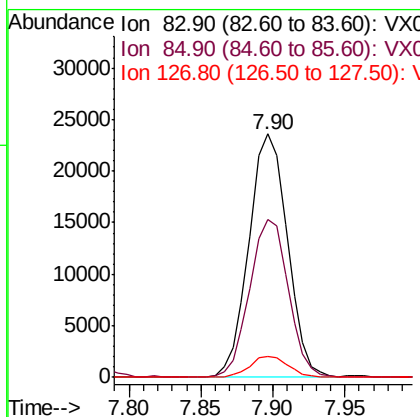
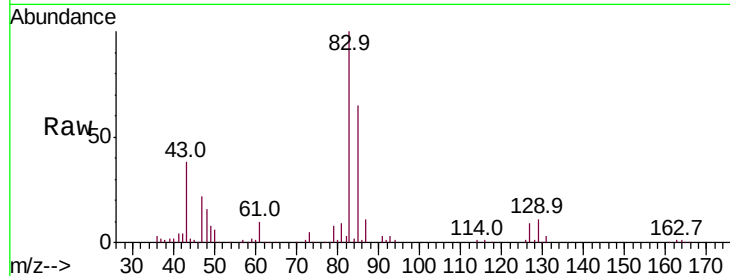
ClientSampleId :

VX0522WBSD01

Tot Ion:	83	Resp:	43740
Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.4	78.6
127	8.5	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.588 ug/l

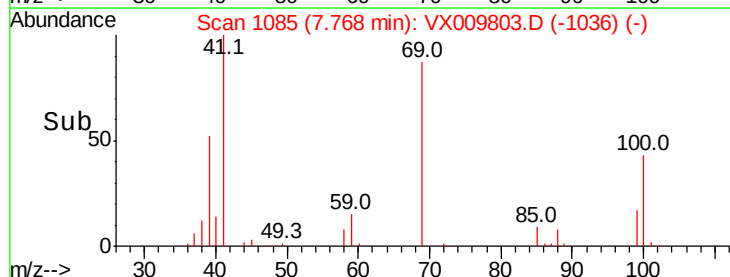
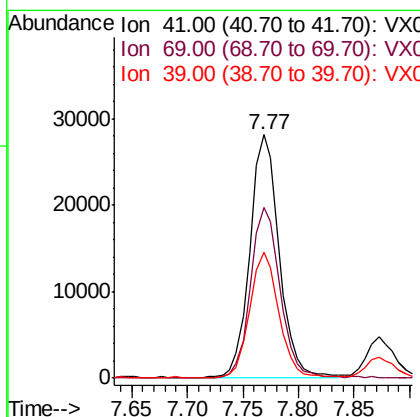
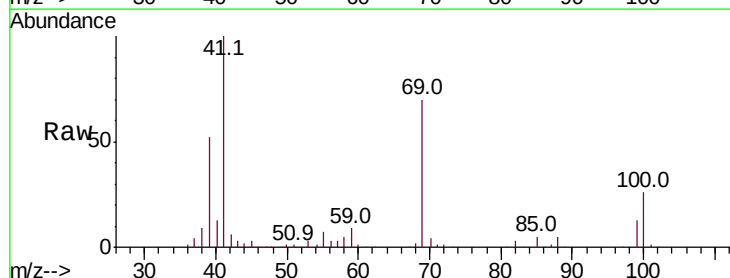
RT: 7.77 min Scan# 1085

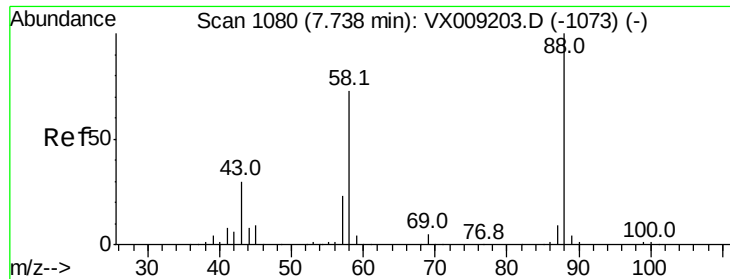
Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Tgt Ion:	41	Resp:	51470
Ion	Ratio	Lower	Upper
41	100		
69	71.5	59.1	88.7
39	51.6	40.4	60.6





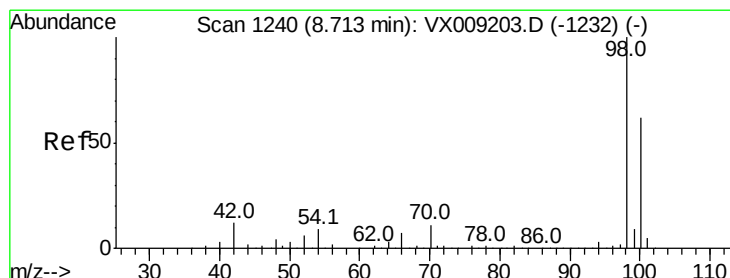
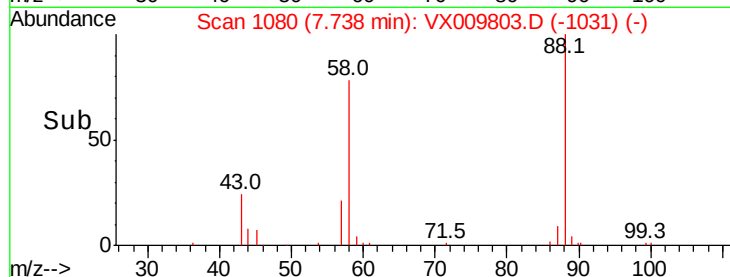
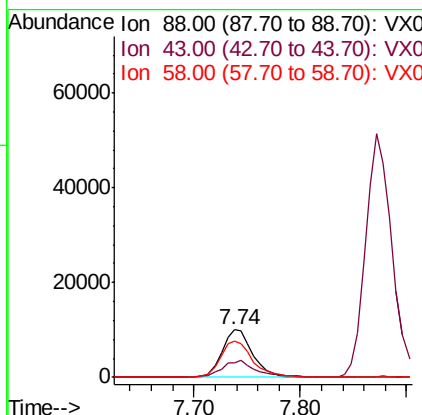
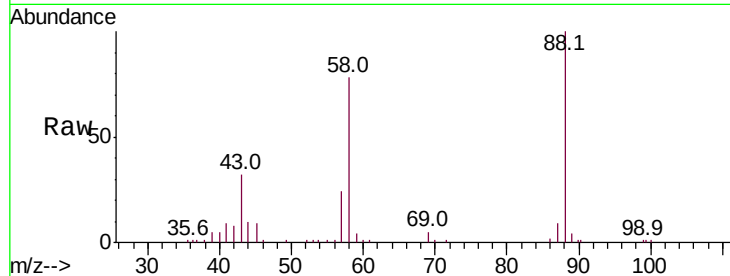
#49
 1,4-Dioxane
 Concen: 337.527 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX0522WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	28.6	42.8
58	81.1	61.7	92.5

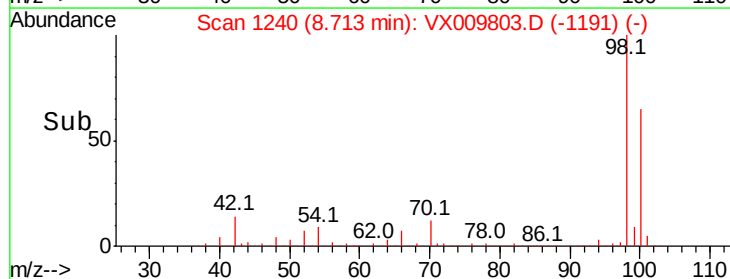
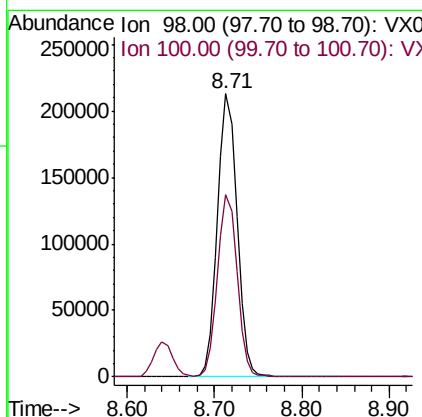
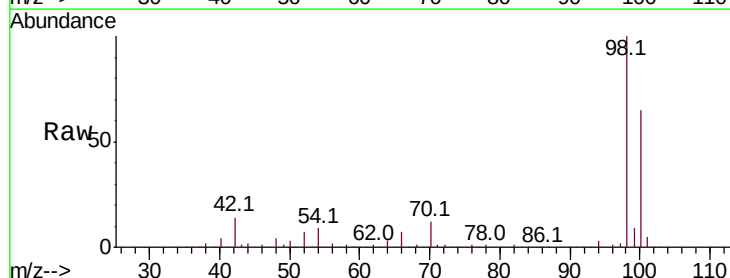
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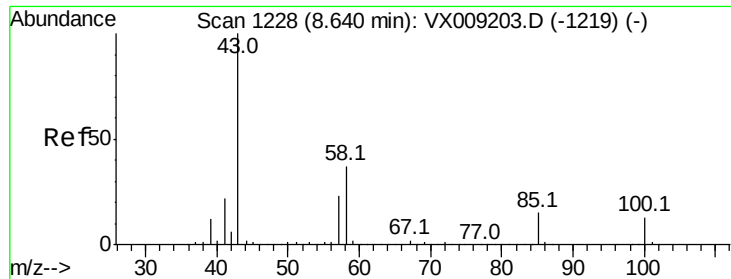
MMDadoda
 5/23/2019 10:44:03 AM



#50
 Toluene-d8
 Concen: 46.113 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 87.701 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleID :

VX0522WBSD01

Tot Ion: 43 Resp: 338119

Ion Ratio Lower Upper

43 100

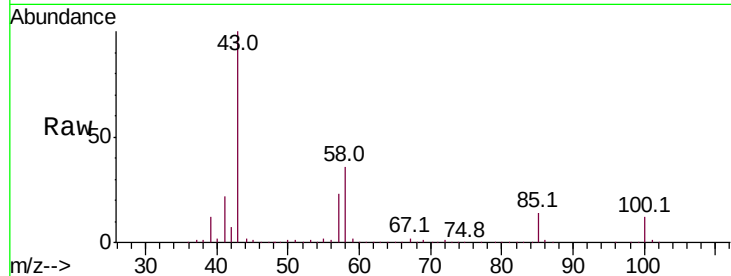
58 35.9 29.5 44.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

250000

200000

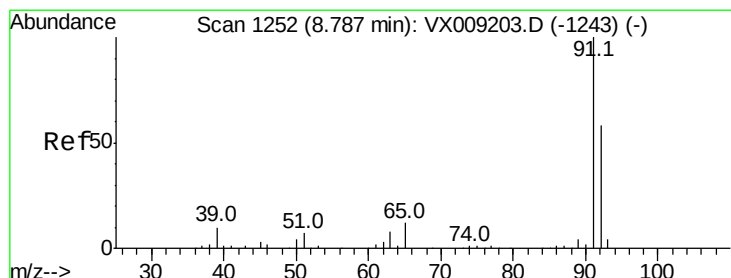
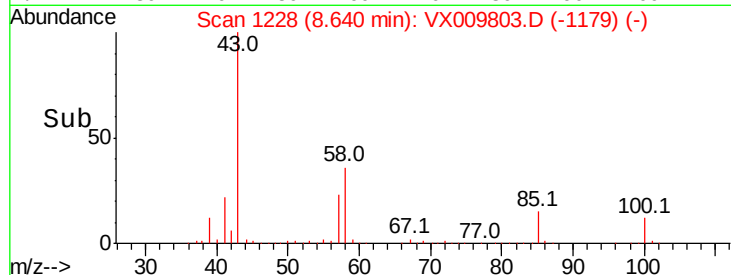
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 16.827 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009803.D

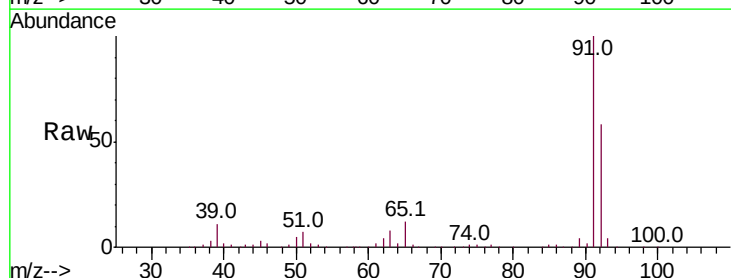
Acq: 22 May 2019 14:47

Tgt Ion: 92 Resp: 83781

Ion Ratio Lower Upper

92 100

91 173.5 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

100000

80000

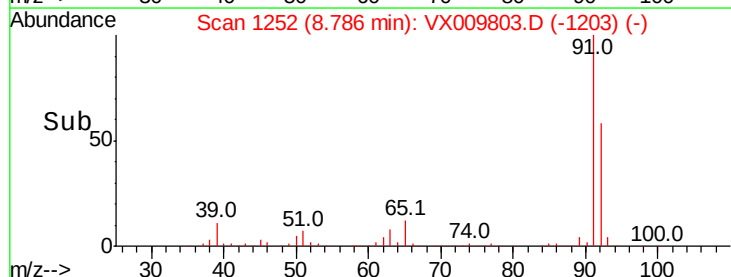
60000

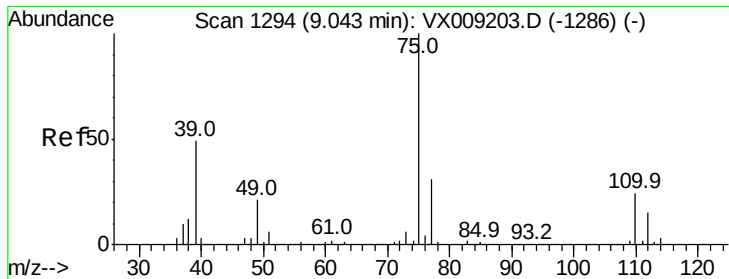
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.365 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampled :

VX0522WBSD01

Tot Ion: 75 Resp: 49639

Ion Ratio Lower Upper

75 100

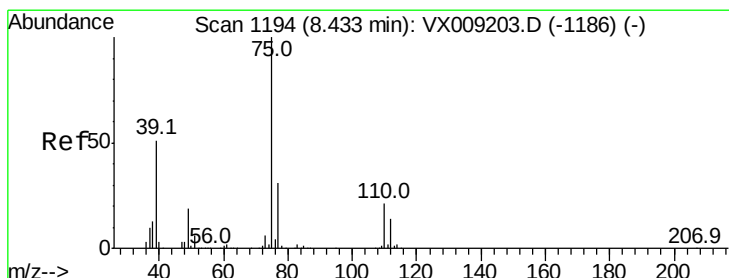
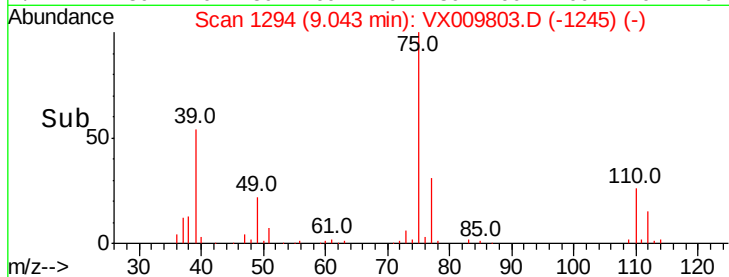
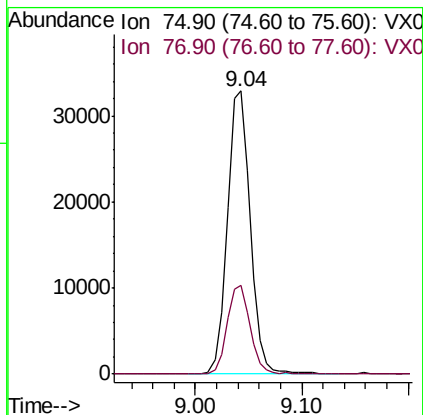
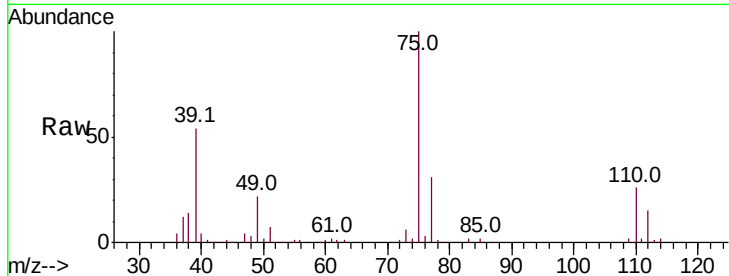
77 31.0 25.0 37.6

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#54

cis-1,3-Dichloropropene

Concen: 16.410 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

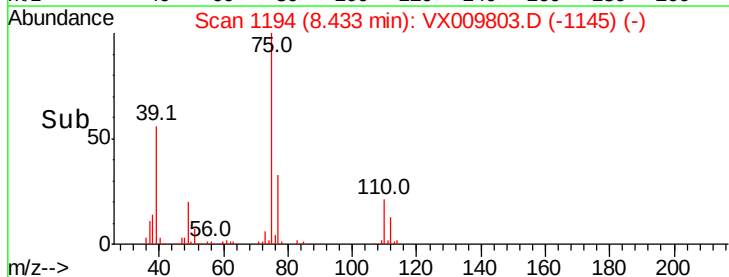
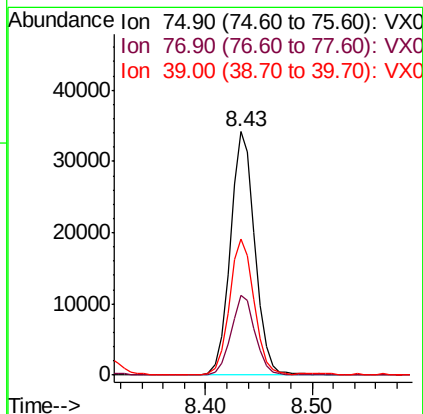
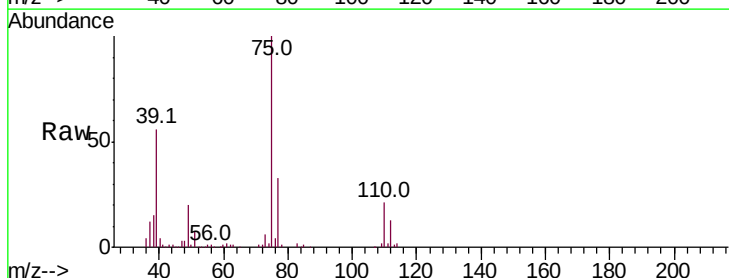
Tgt Ion: 75 Resp: 55095

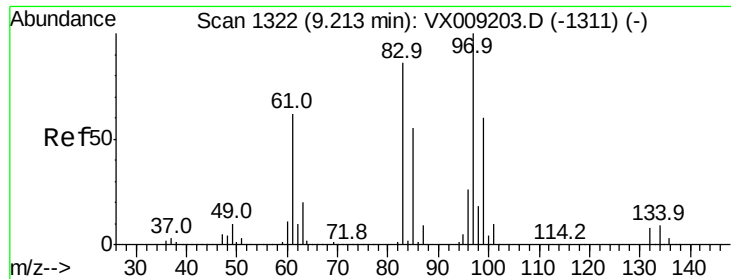
Ion Ratio Lower Upper

75 100

77 32.6 24.6 36.8

39 55.8 40.6 60.8





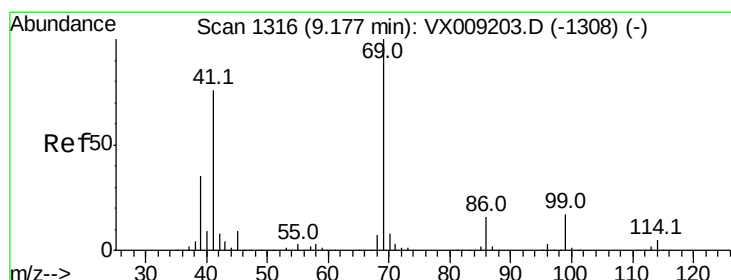
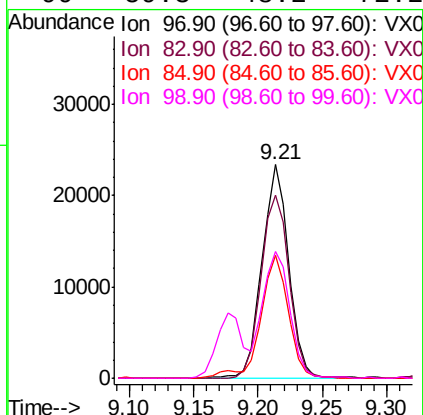
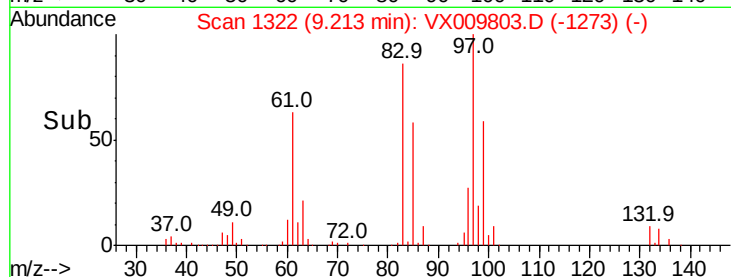
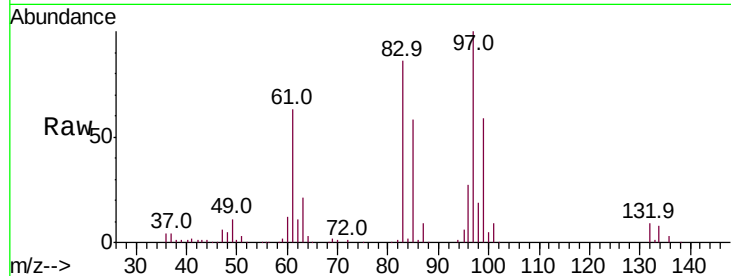
#55
 1,1,2-Trichloroethane
 Concen: 16.520 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	33558		
83	85.8	68.9	103.3	
85	57.7	43.8	65.6	
99	59.3	48.2	72.2	

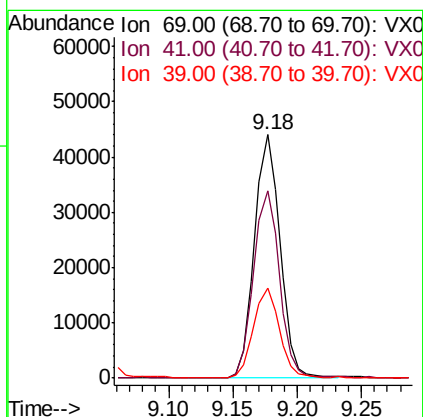
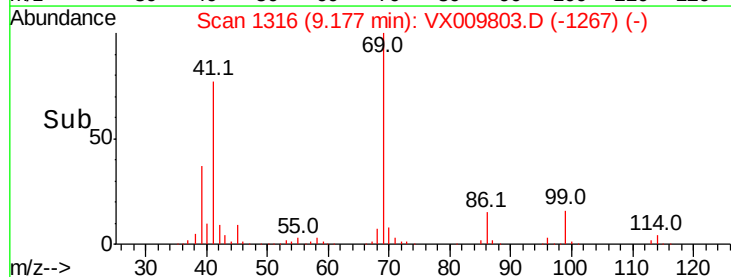
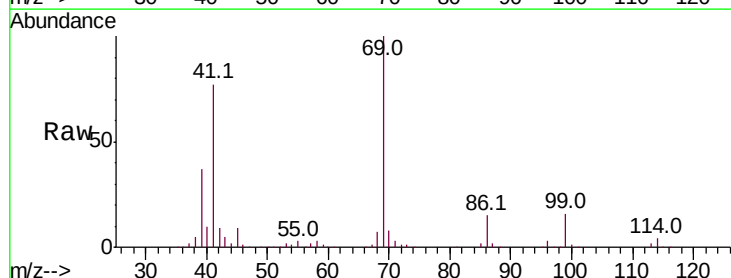
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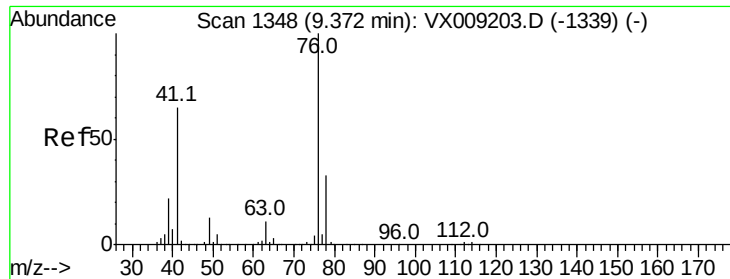
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#56
 Ethyl methacrylate
 Concen: 16.651 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	60378		
41	78.9	60.6	90.8	
39	36.8	28.2	42.4	





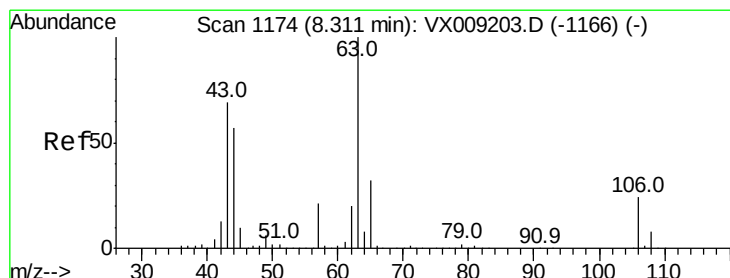
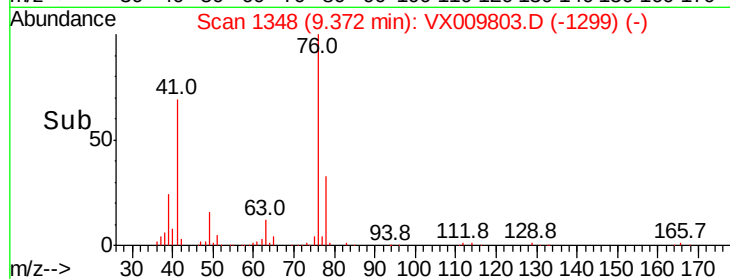
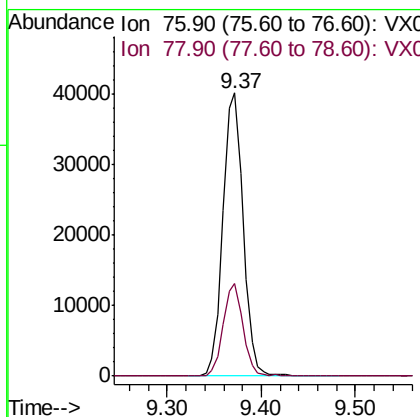
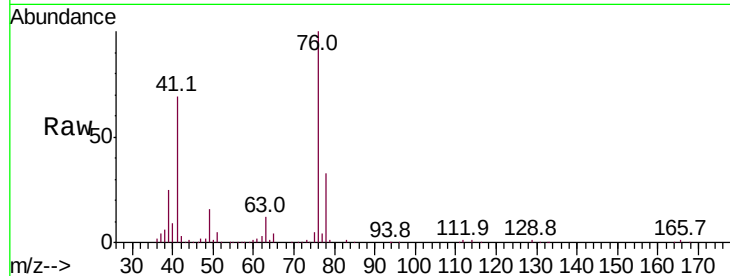
#57
 1,3-Dichloropropane
 Concen: 16.774 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

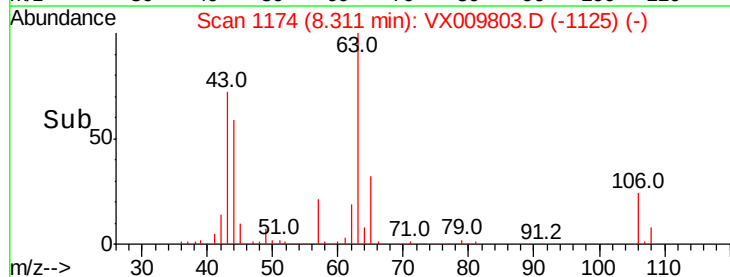
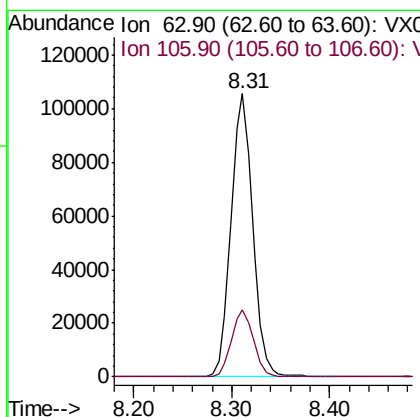
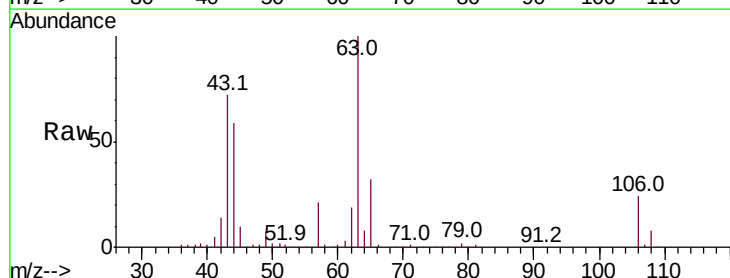
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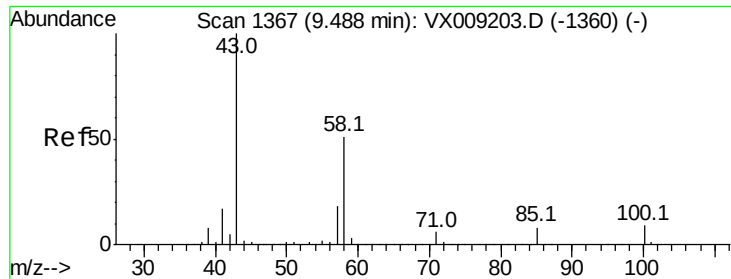
MMDadoda
 5/23/2019 10:44:03 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 84.866 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.7	19.7	29.5





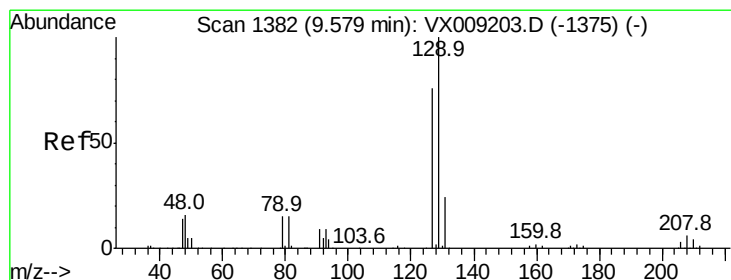
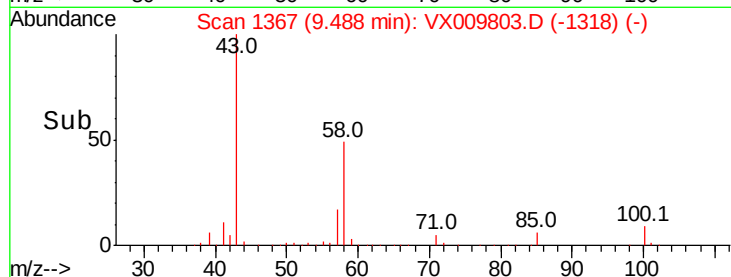
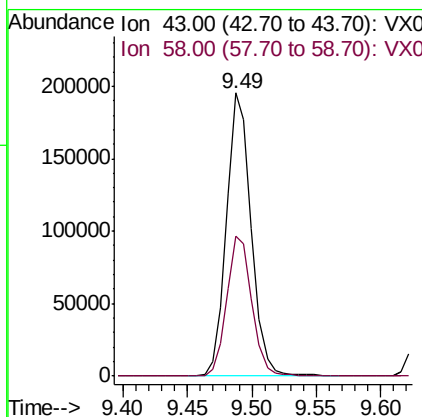
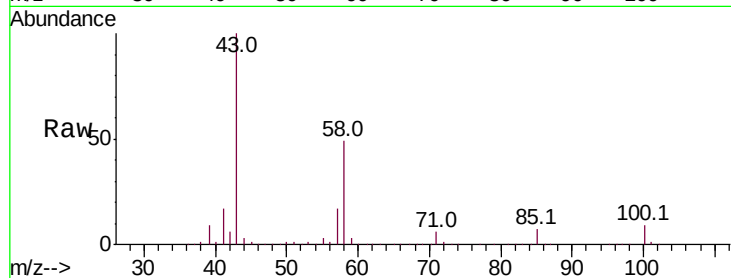
#59
2-Hexanone
Concen: 87.183 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

Tot Ion: 43 Resp: 263987
Ion Ratio Lower Upper
43 100
58 50.4 25.9 77.7

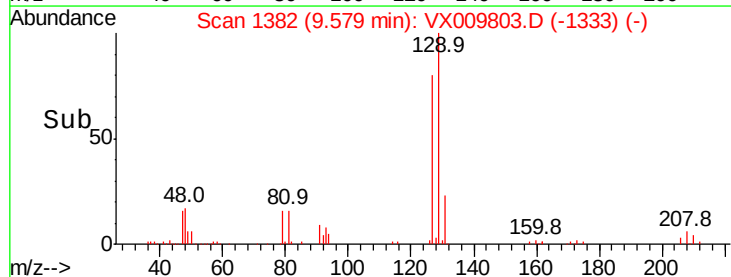
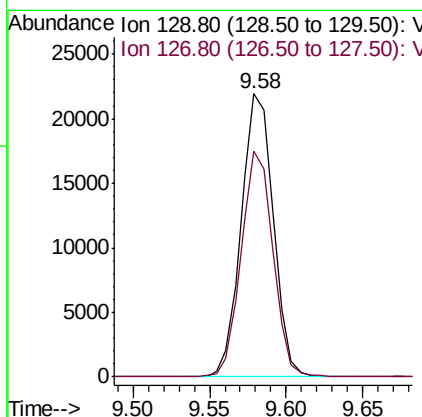
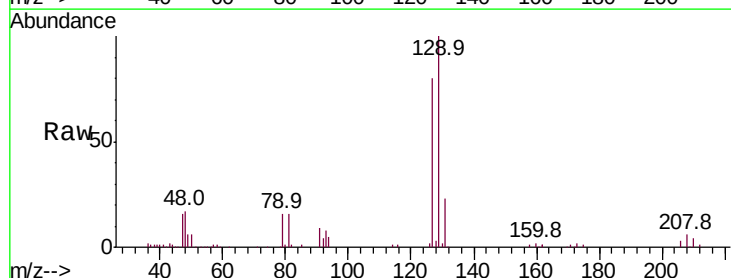
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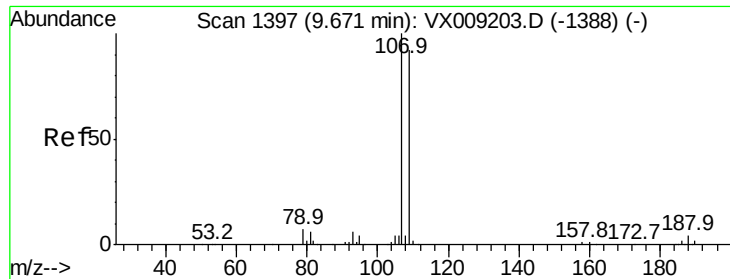
MMDadoda
5/23/2019 10:44:03 AM



#60
Dibromochloromethane
Concen: 16.113 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion: 129 Resp: 31967
Ion Ratio Lower Upper
129 100
127 78.7 38.4 115.1





#61

1,2-Dibromoethane

Concen: 16.647 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

Tot Ion:107 Resp: 34134

Ion Ratio Lower Upper

107 100

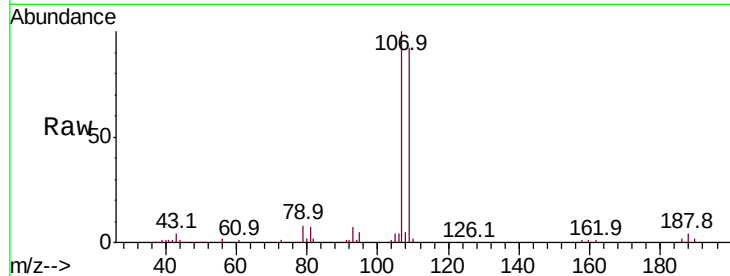
109 93.6 75.2 112.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

25000

20000

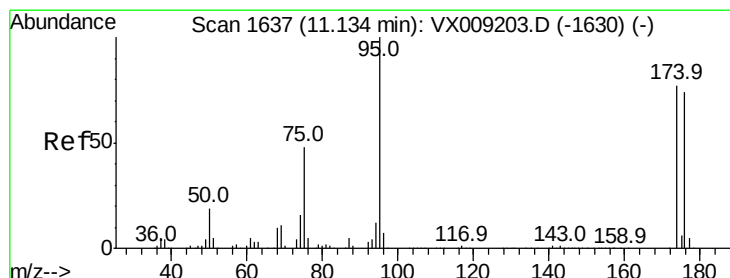
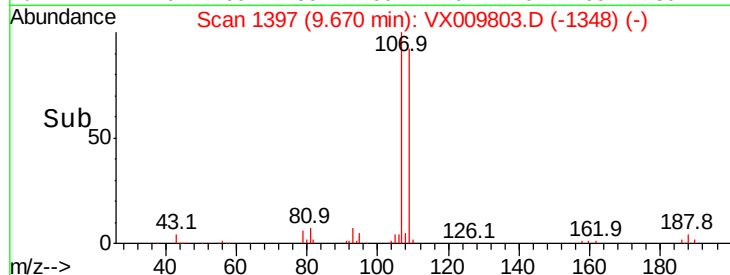
15000

10000

5000

0

Time--> 9.60 9.65 9.70 9.75 9.80



#62

4-Bromofluorobenzene

Concen: 44.918 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

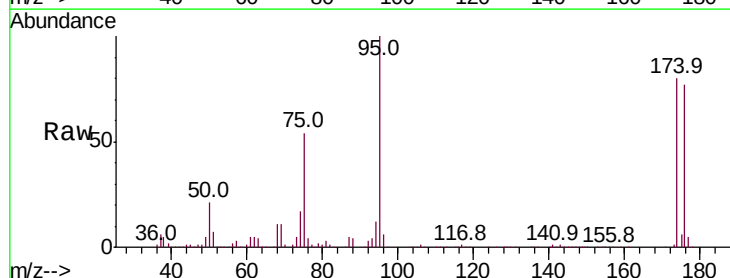
Tgt Ion: 95 Resp: 117973

Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.6

176 79.5 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

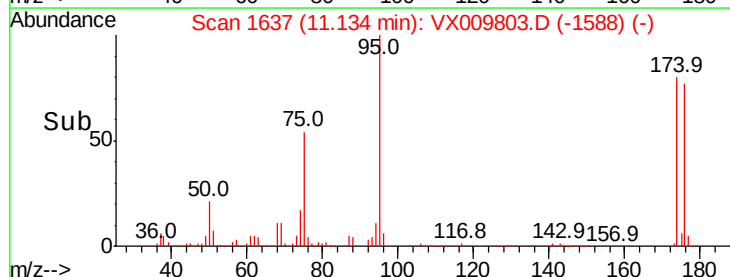
60000

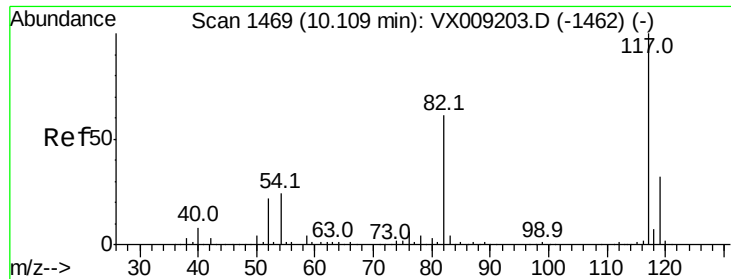
40000

20000

0

Time--> 11.05 11.10 11.15 11.20





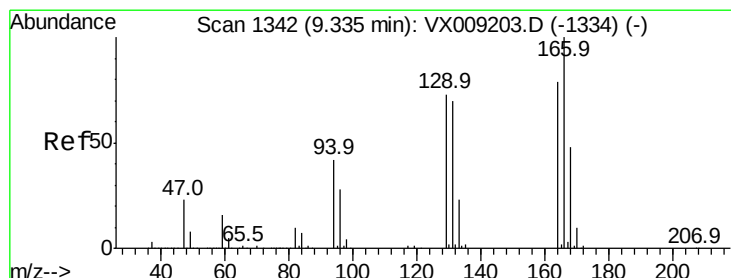
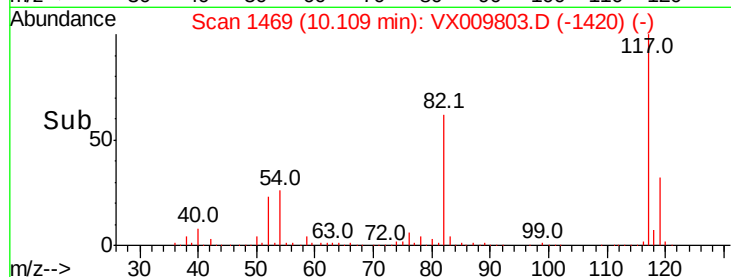
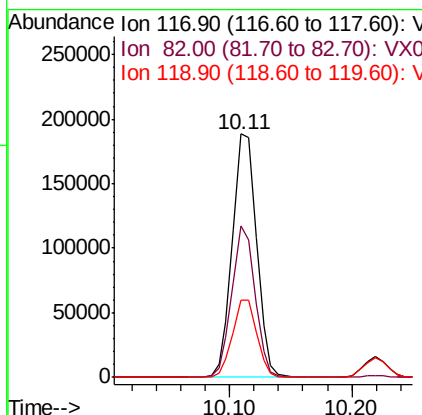
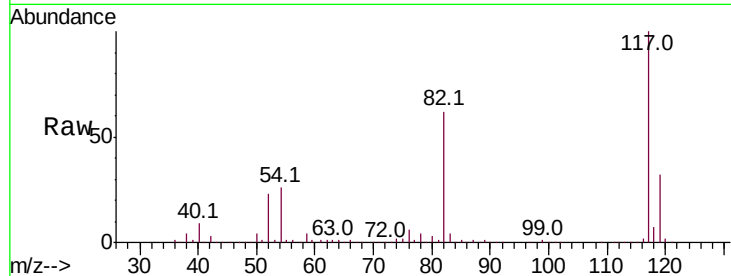
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	258985		
82	62.0	48.8	73.2	
119	31.7	25.8	38.6	

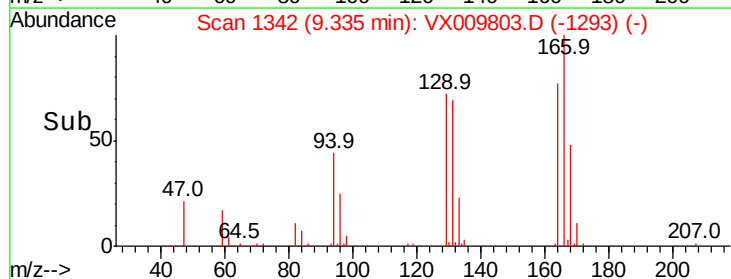
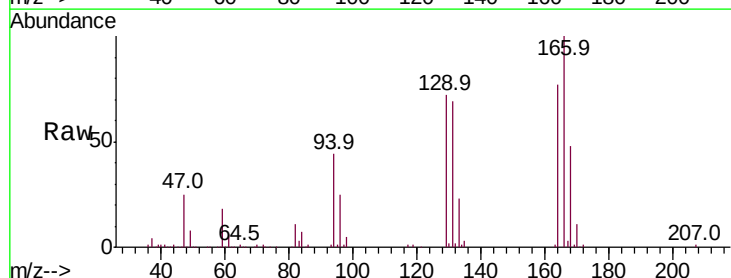
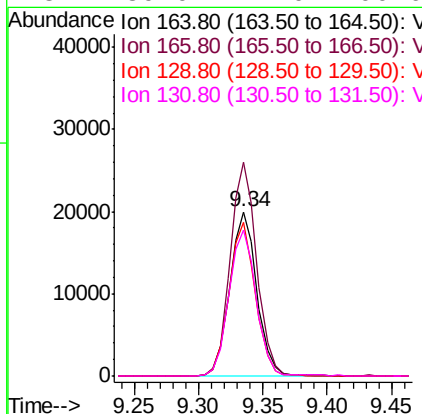
Manual Integrations
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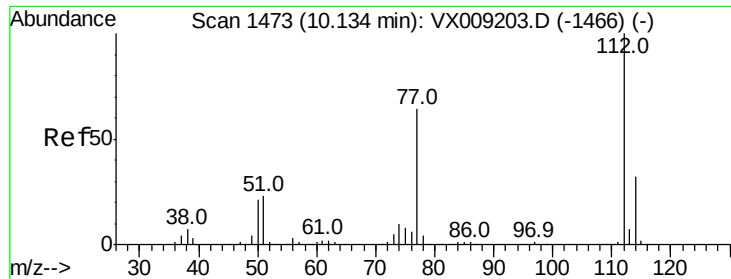
MMDadoda
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#64
Tetrachloroethene
Concen: 16.408 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	29149		
166	129.9	101.2	151.8	
129	93.4	74.3	111.5	
131	89.0	71.0	106.6	





#65

Chlorobenzene

Concen: 16.479 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampled :

VX0522WBSD01

Tot Ion:112 Resp: 85378

Ion Ratio Lower Upper

112 100

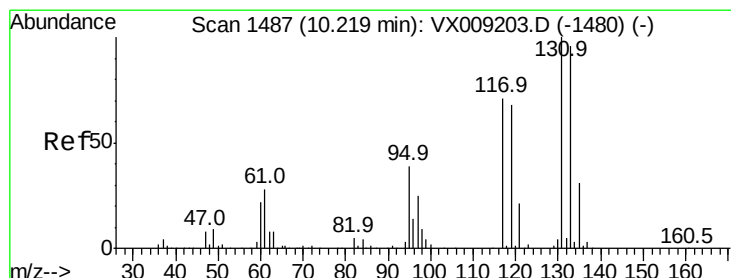
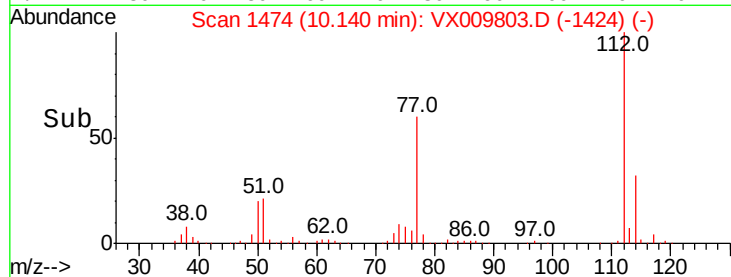
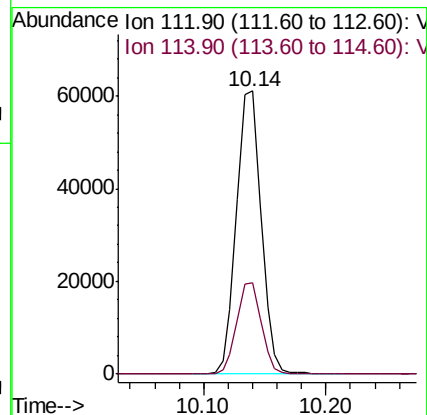
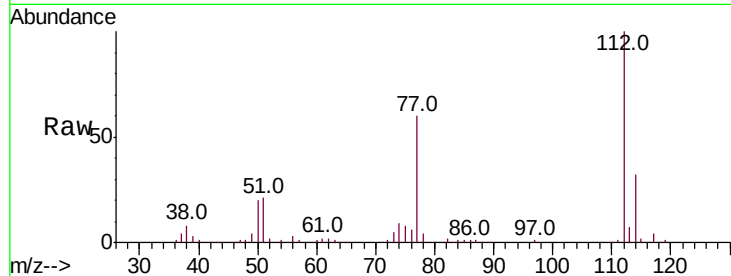
114 32.3 25.5 38.3

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 16.246 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

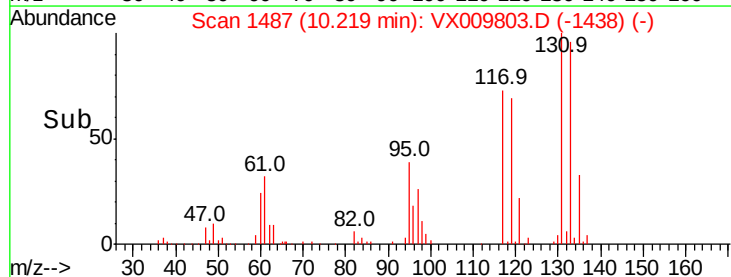
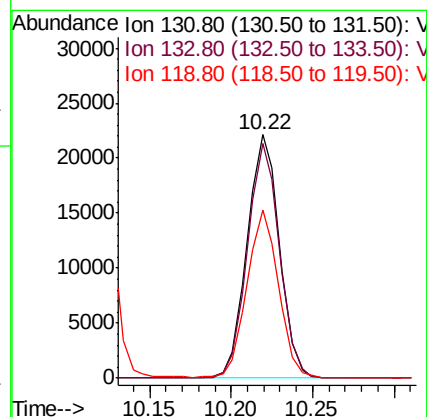
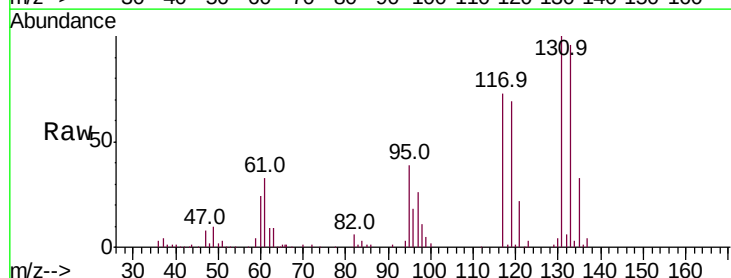
Tgt Ion:131 Resp: 30515

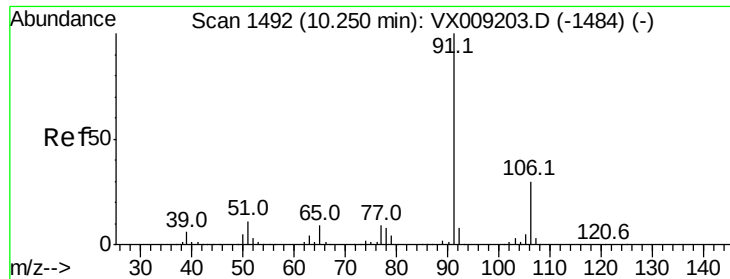
Ion Ratio Lower Upper

131 100

133 95.6 47.7 143.1

119 67.9 33.5 100.4





#67

Ethyl Benzene

Concen: 16.576 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

Tot Ion: 91 Resp: 158053

Ion Ratio Lower Upper

91 100

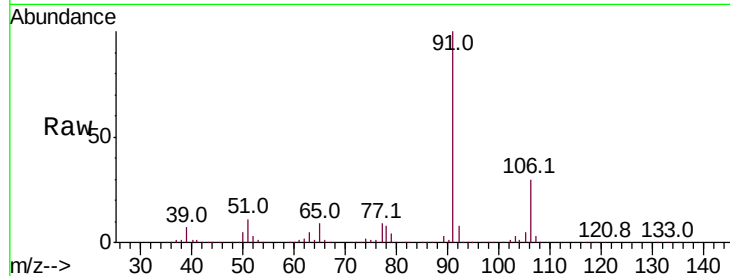
106 29.8 24.0 36.0

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Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1484) (-)

Ion 106.00 (105.70 to 106.70): VX009203.D (-1484) (-)

200000

150000

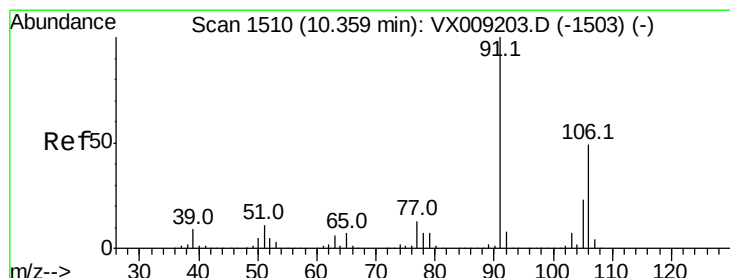
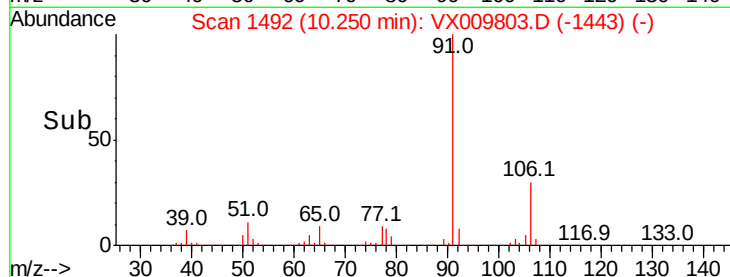
100000

50000

0

10.20 10.30

Time-->



#68

m/p-Xylenes

Concen: 33.290 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009803.D

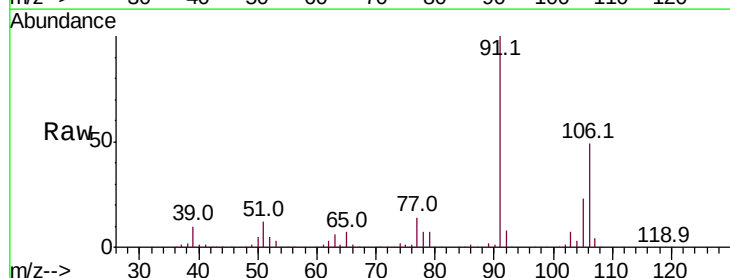
Acq: 22 May 2019 14:47

Tgt Ion: 106 Resp: 115994

Ion Ratio Lower Upper

106 100

91 207.5 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): VX009203.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX009203.D (-1503) (-)

200000

150000

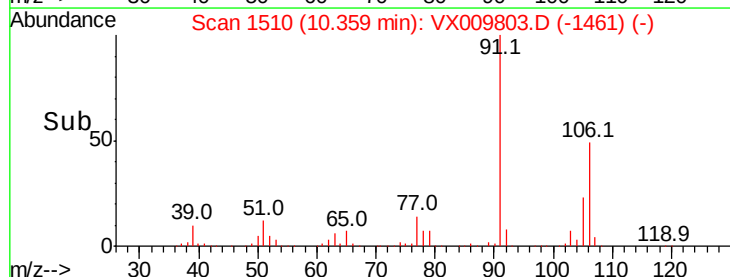
100000

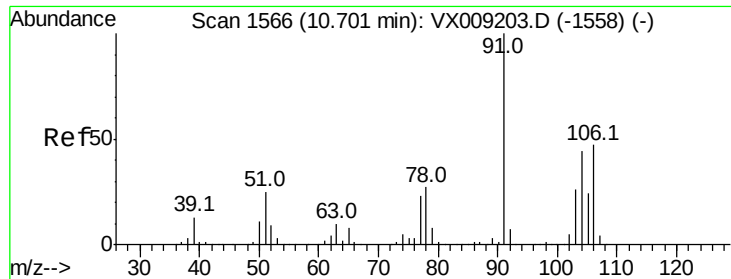
50000

0

10.30 10.40

Time-->





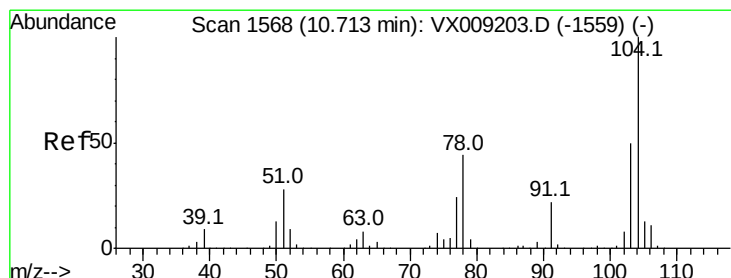
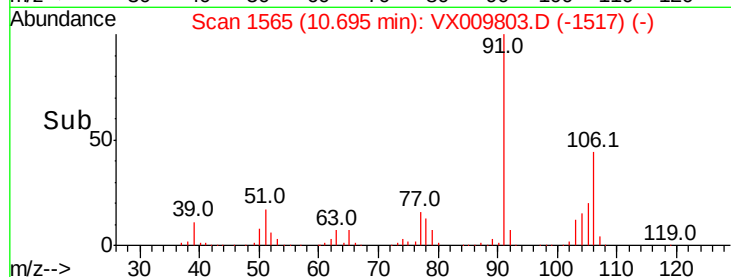
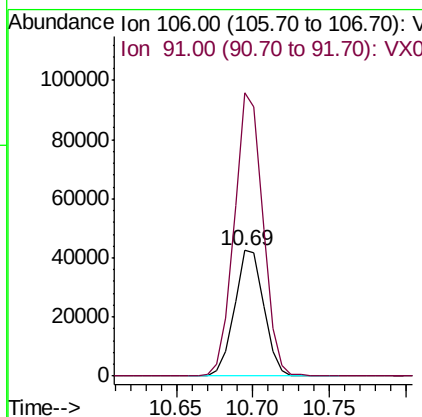
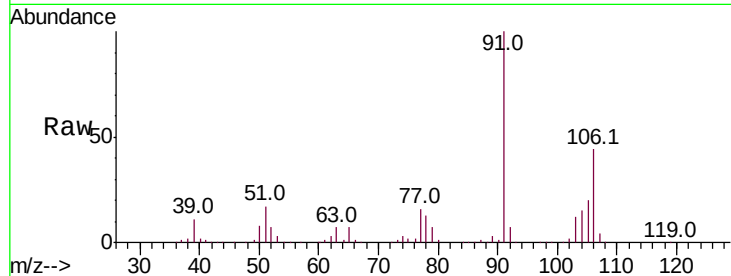
#69
o-Xylene
Concen: 16.458 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Instrument :
MSVOA_X
ClientSampled :
VX0522WBSD01

Tot Ion:106 Resp: 56579
Ion Ratio Lower Upper
106 100
91 220.4 109.5 328.4

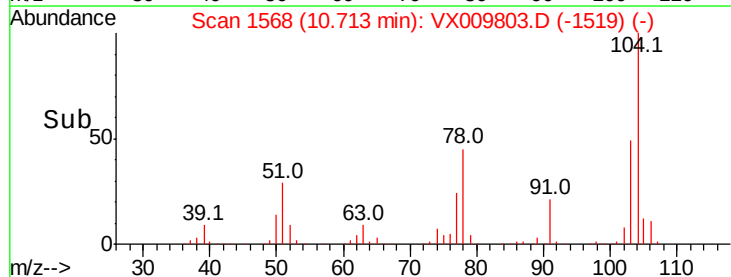
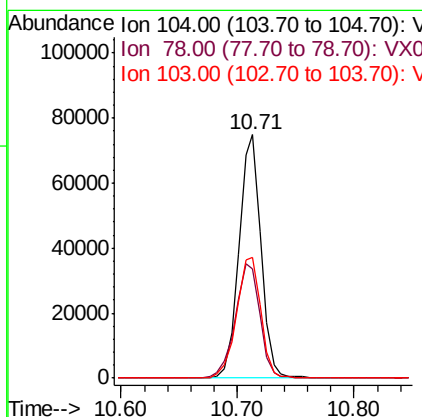
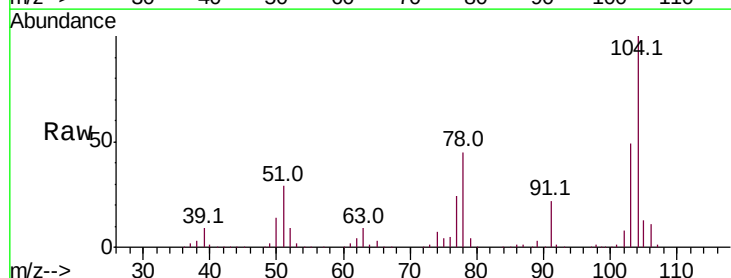
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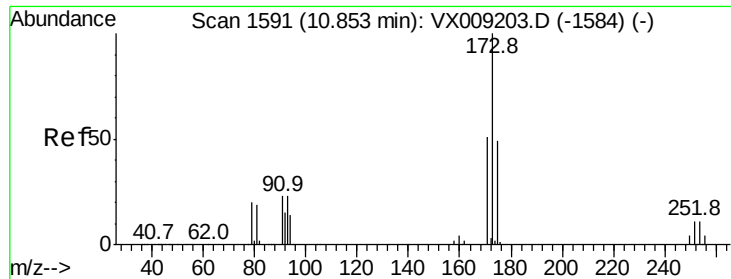
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#70
Styrene
Concen: 16.452 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion:104 Resp: 98302
Ion Ratio Lower Upper
104 100
78 52.8 41.0 61.4
103 54.9 43.8 65.6





#71

Bromoform

Concen: 15.784 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

Tot Ion:173 Resp: 24093

Ion Ratio Lower Upper

173 100

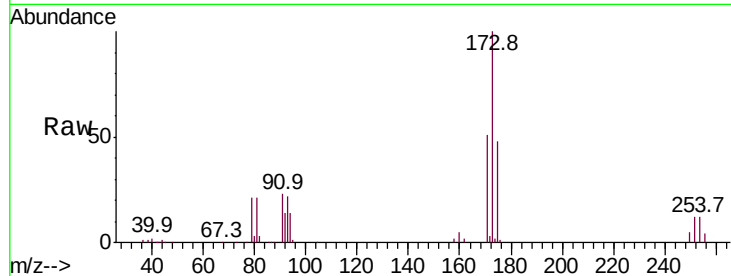
175 49.5 24.5 73.5

254 0.1 0.1 0.1#

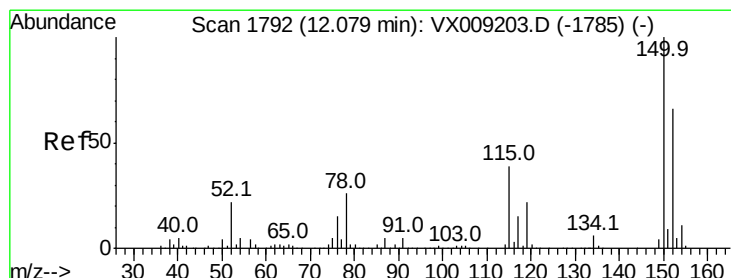
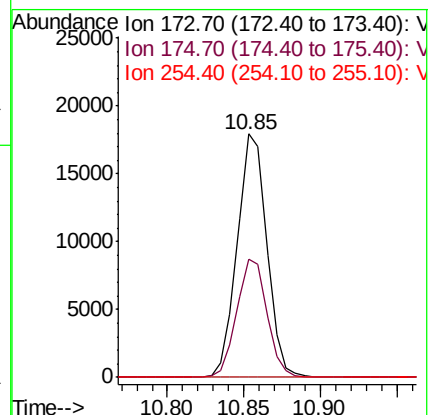
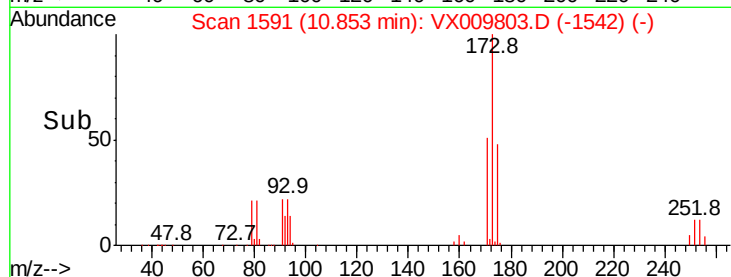
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

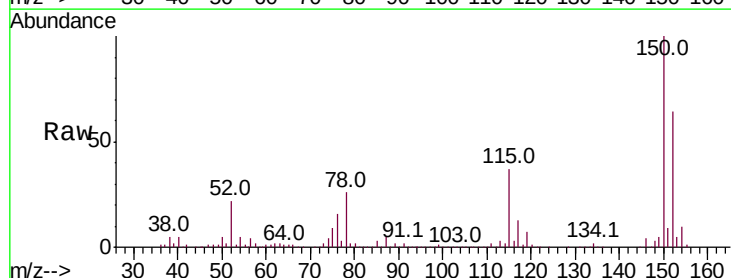
Tgt Ion:152 Resp: 124921

Ion Ratio Lower Upper

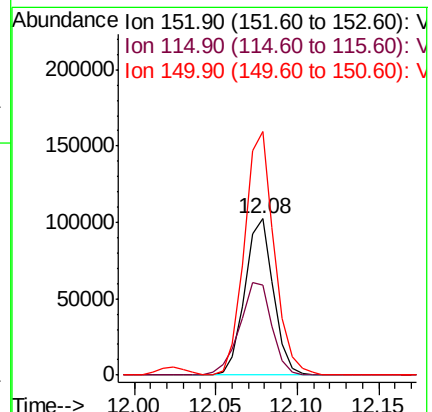
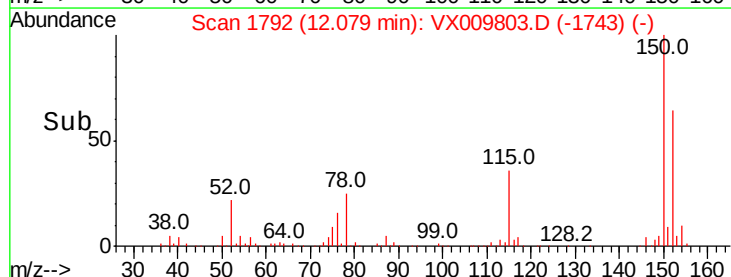
152 100

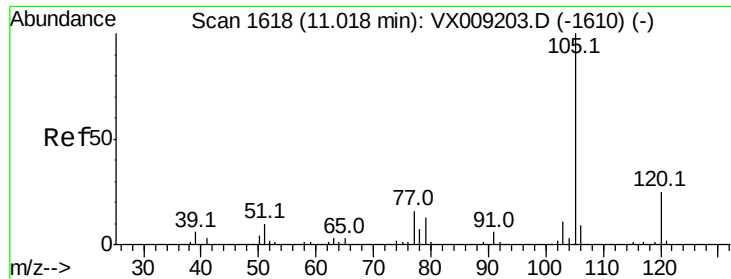
115 67.0 41.2 123.6

150 162.1 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: 16.715 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

Tot Ion:105 Resp: 151845

Ion Ratio Lower Upper

105 100

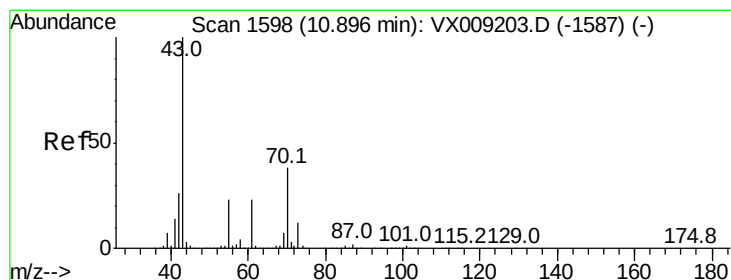
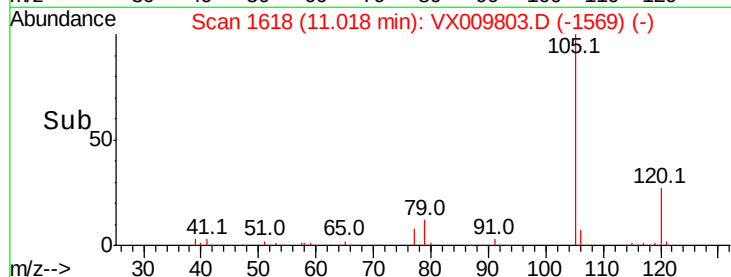
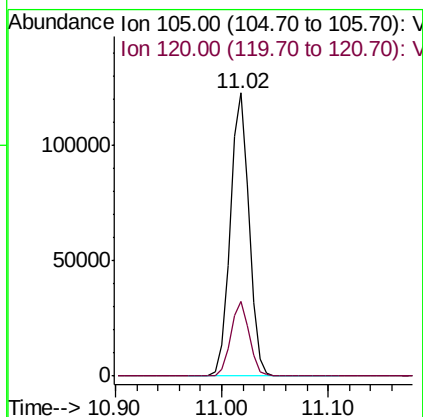
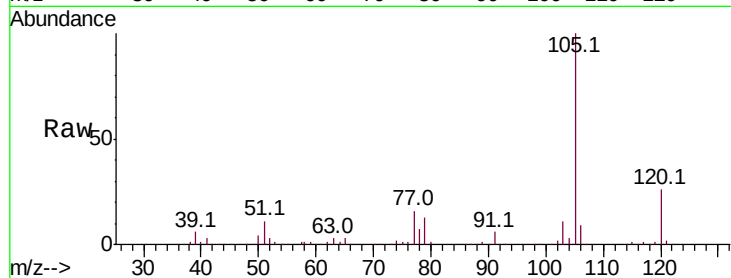
120 25.9 12.8 38.3

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#74

N-ethyl acetate

Concen: 17.251 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Tgt Ion: 43 Resp: 91364

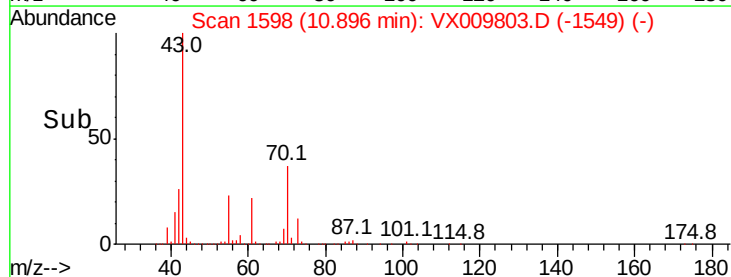
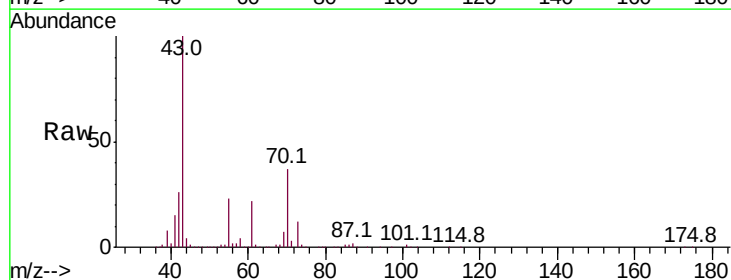
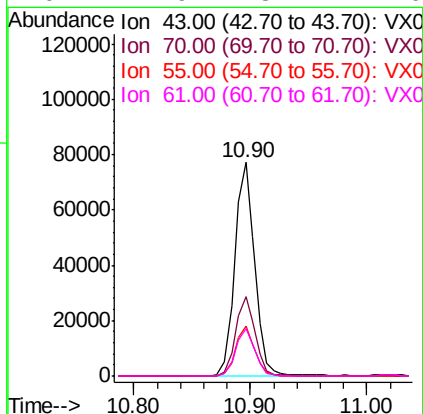
Ion Ratio Lower Upper

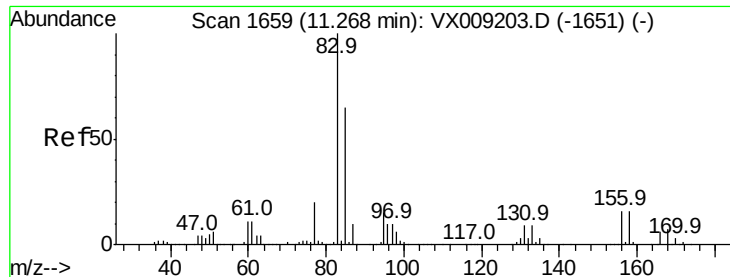
43 100

70 36.9 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: 16.453 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

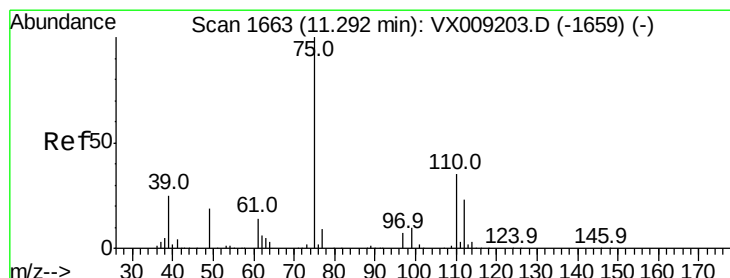
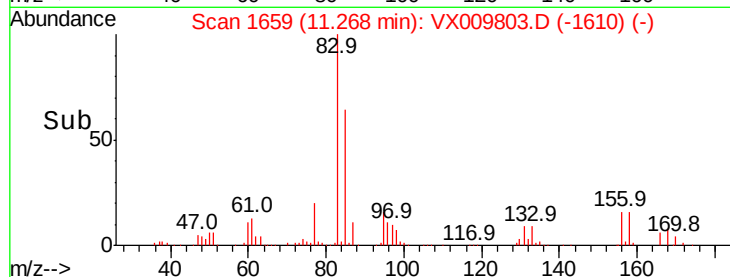
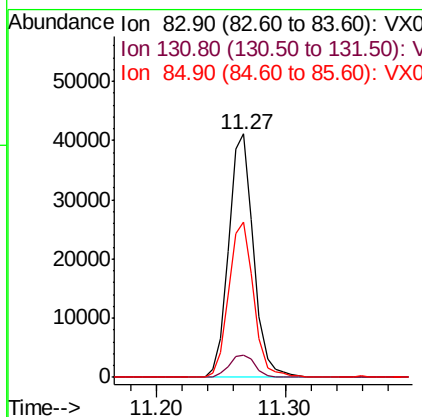
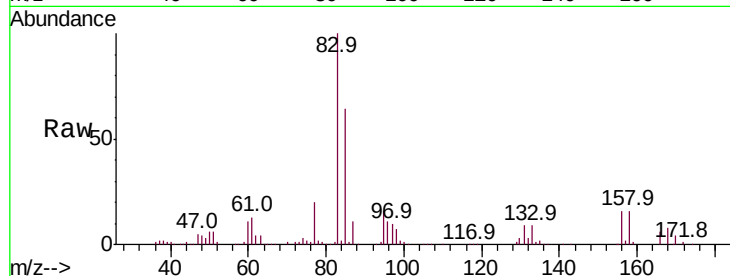
ClientSampleId :

VX0522WBSD01

Tot Ion:	83	Resp:	55717
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.6	13.8
85	64.3	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 16.810 ug/l m

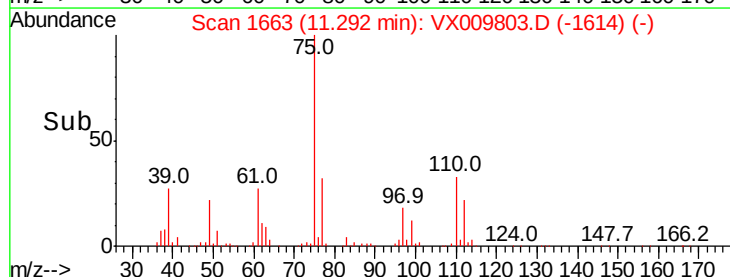
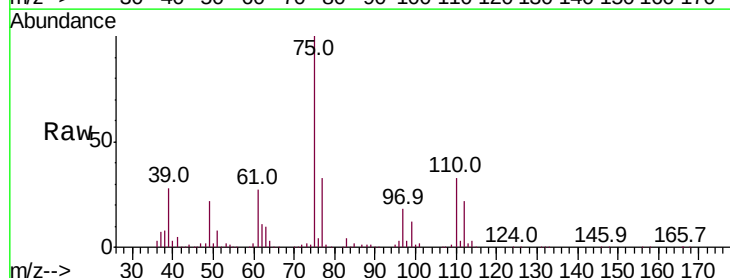
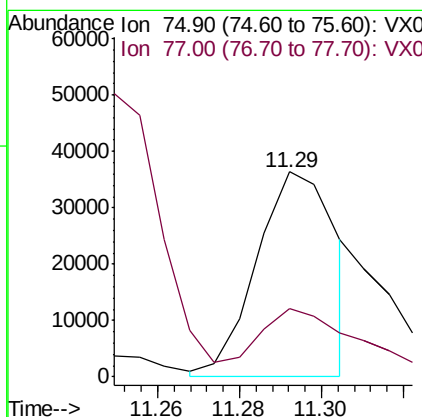
RT: 11.29 min Scan# 1663

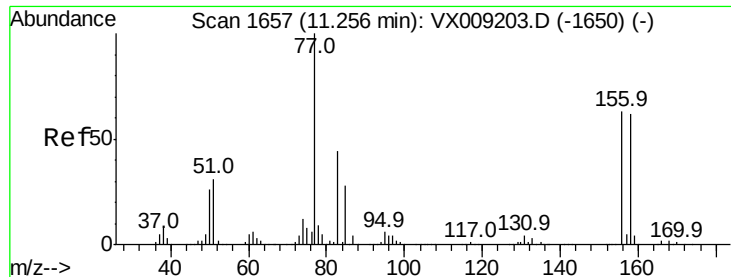
Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Tgt Ion:	75	Resp:	48711
Ion Ratio	Lower	Upper	
75	100		
77	42.9	22.1	66.1





#77

Bromobenzene

Concen: 16.548 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

Tot Ion:156 Resp: 37311

Ion Ratio Lower Upper

156 100

77 171.5 84.8 254.3

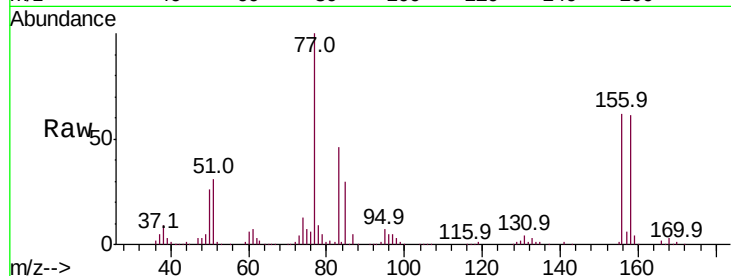
158 96.7 49.1 147.3

Manual Integrations

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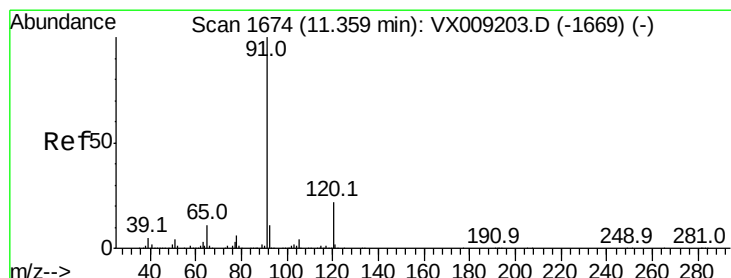
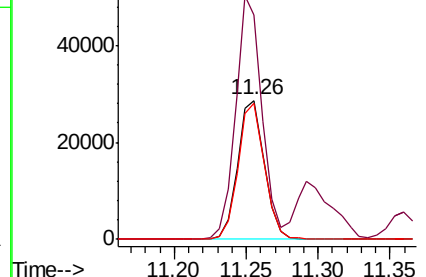
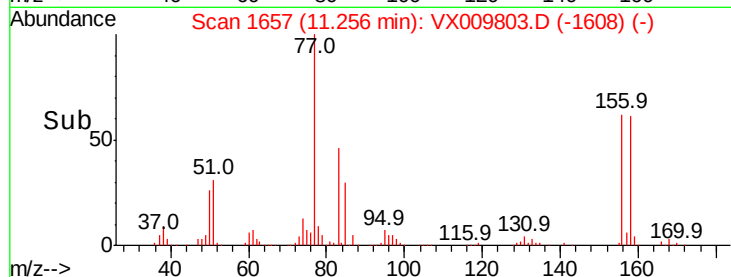
5/23/2019 10:44:03 AM



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: 16.694 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009803.D

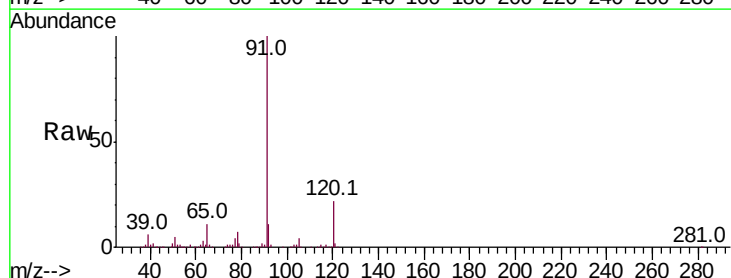
Acq: 22 May 2019 14:47

Tgt Ion: 91 Resp: 173189

Ion Ratio Lower Upper

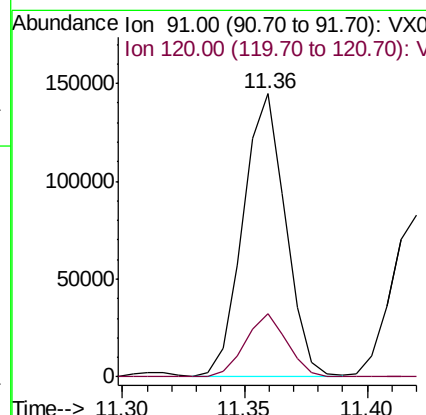
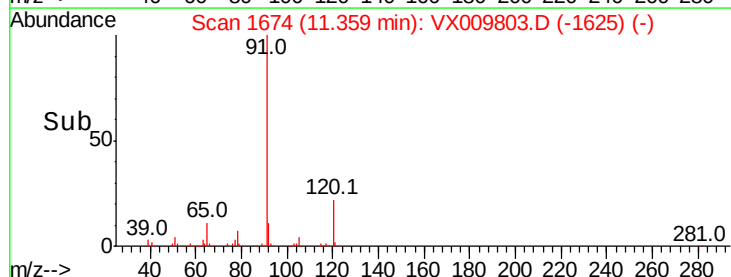
91 100

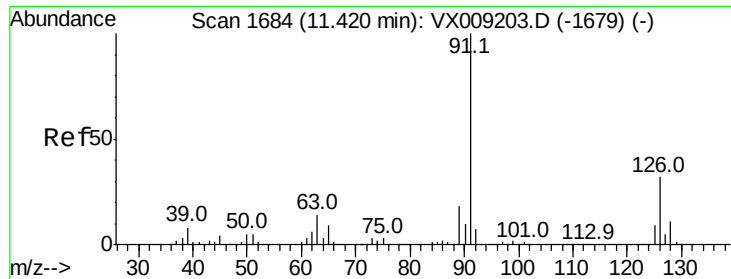
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





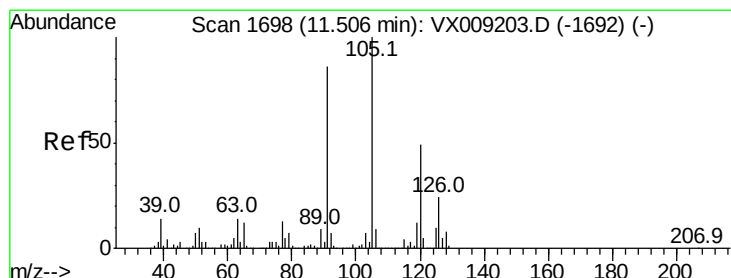
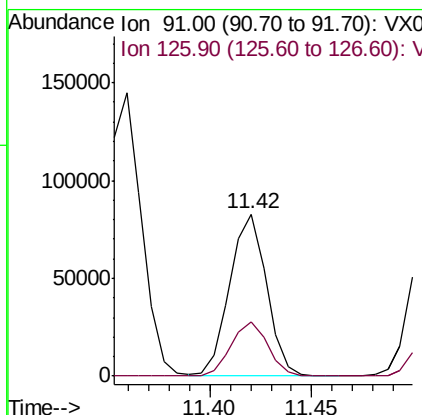
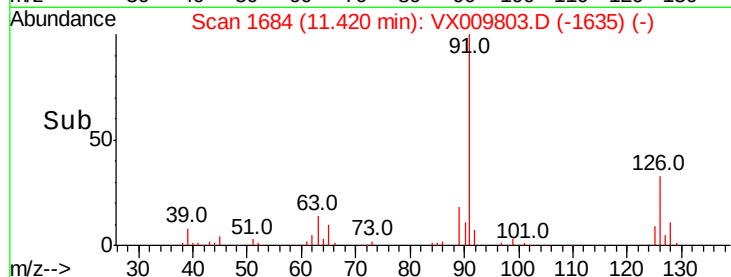
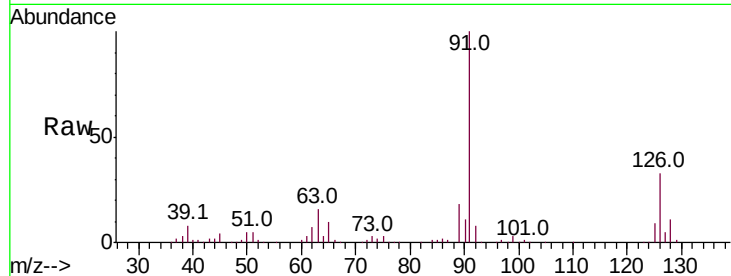
#79
2-Chlorotoluene
Concen: 16.141 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.3	48.9

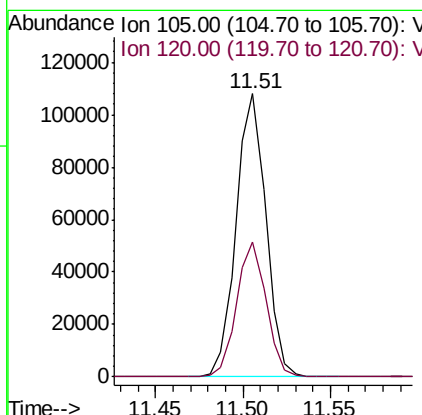
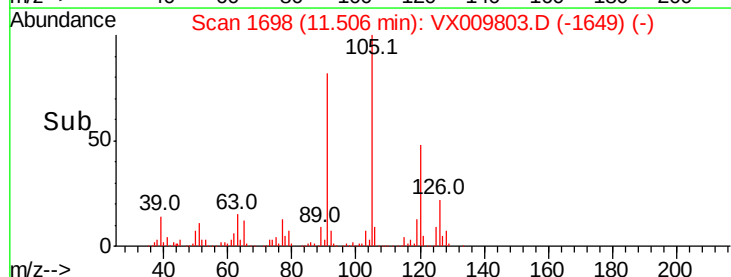
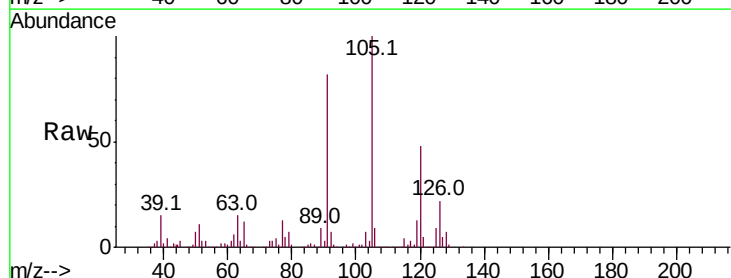
Manual Integrations
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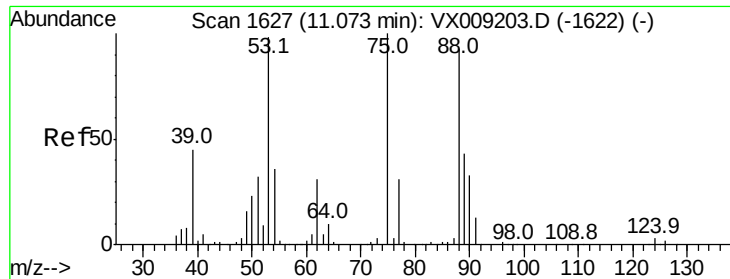
MMDadoda
5/23/2019 10:44:03 AM



#80
1,3,5-Trimethylbenzene
Concen: 16.721 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	24.3	72.9





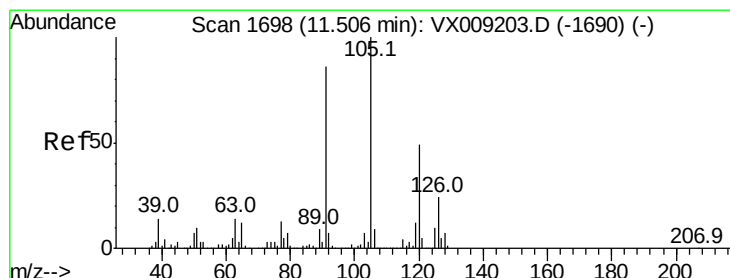
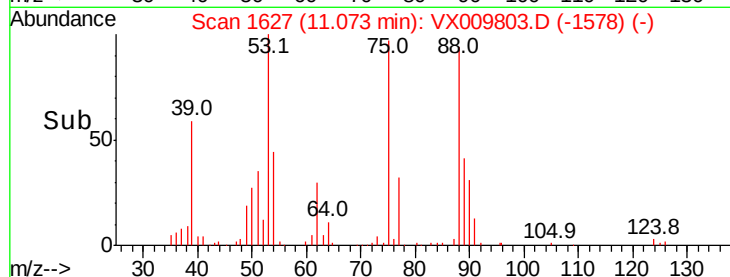
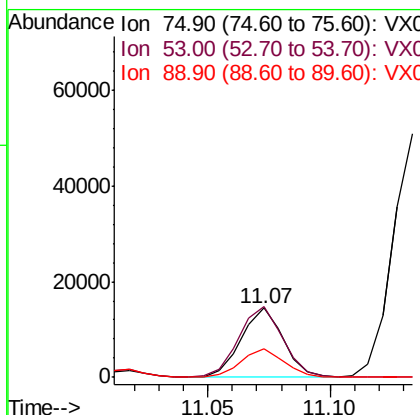
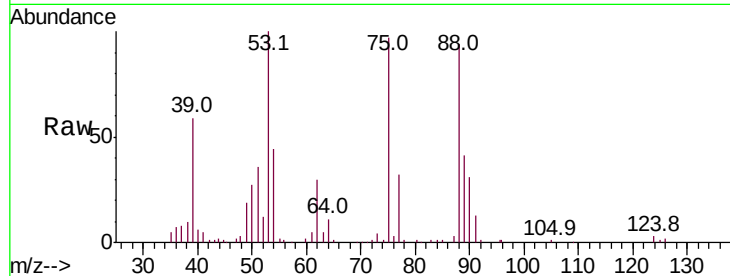
#81
trans-1,4-Dichloro-2-butene
Concen: 15.343 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

Tot Ion: 75 Resp: 17376
Ion Ratio Lower Upper
75 100
53 106.5 79.0 118.6
89 42.5 34.7 52.1

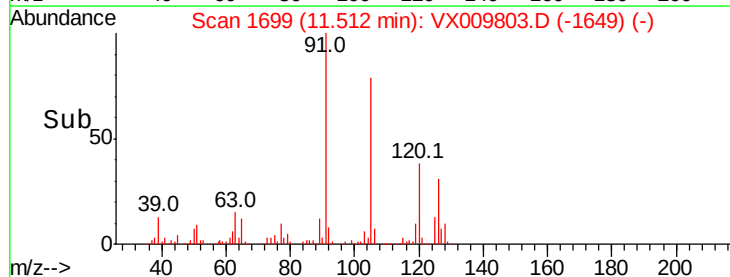
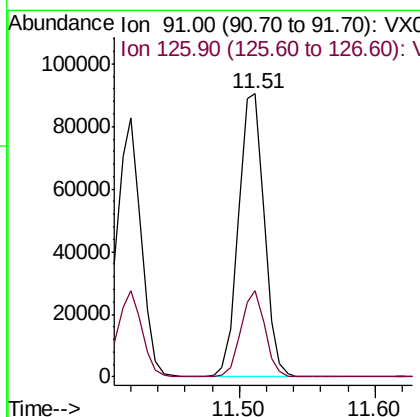
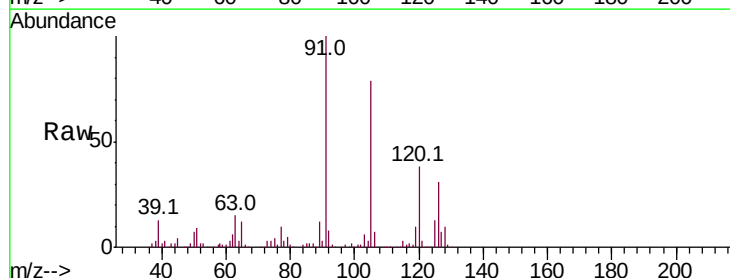
Manual Integrations
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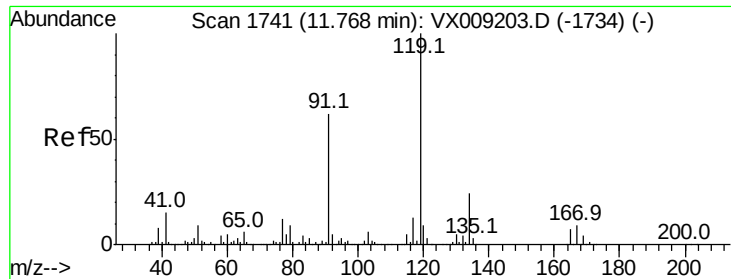
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#82
4-Chlorotoluene
Concen: 16.422 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion: 91 Resp: 118741
Ion Ratio Lower Upper
91 100
126 28.7 14.5 43.6





#83

tert-Butylbenzene

Concen: 16.263 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

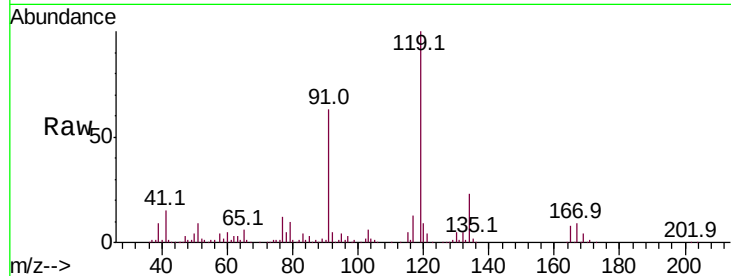
ClientSampleId :

VX0522WBSD01

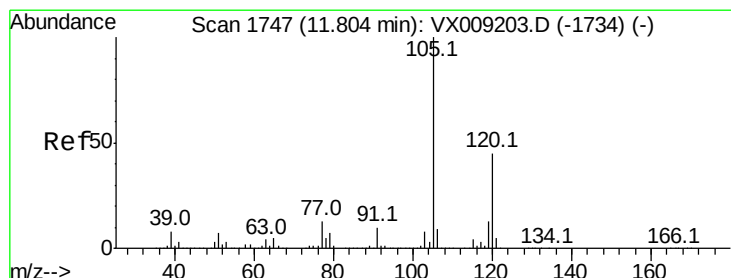
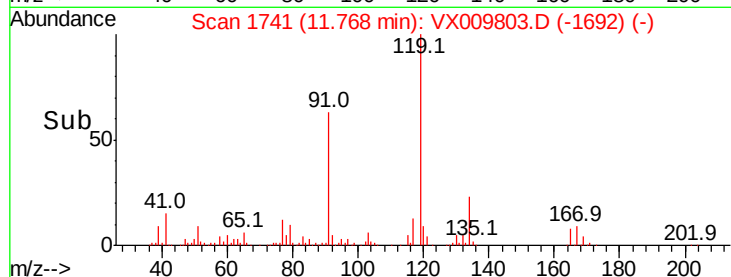
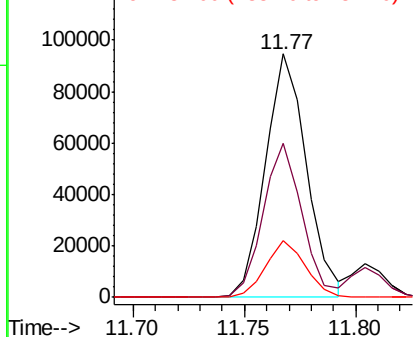
Tot Ion:	119	Resp:	121008
Ion Ratio	Lower	Upper	
119	100		
91	60.3	29.5	88.5
134	22.6	11.4	34.1

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 16.852 ug/l

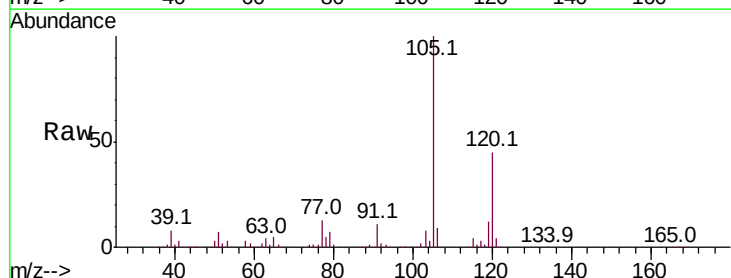
RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

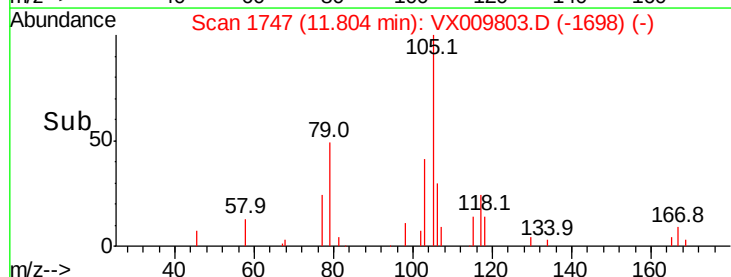
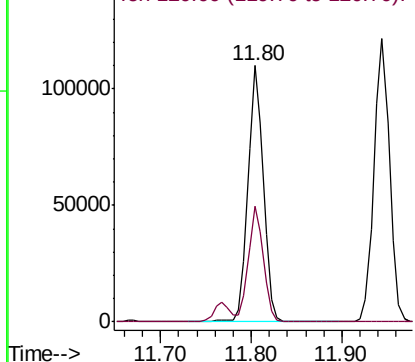
Lab File: VX009803.D

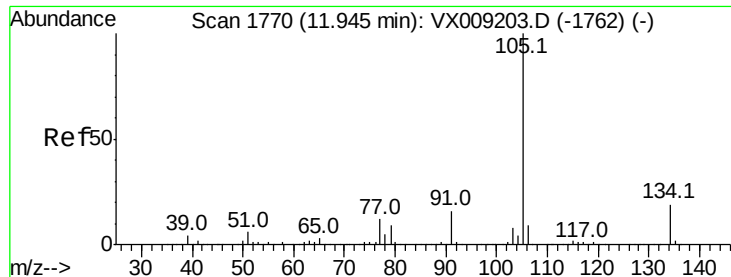
Acq: 22 May 2019 14:47

Tgt Ion:	105	Resp:	129385
Ion Ratio	Lower	Upper	
105	100		
120	44.5	22.0	66.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 16.413 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

Tot Ion:105 Resp: 144787

Ion Ratio Lower Upper

105 100

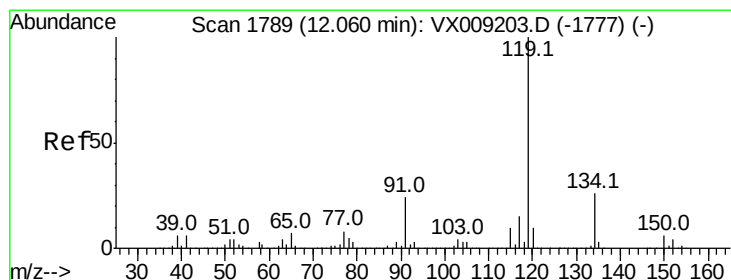
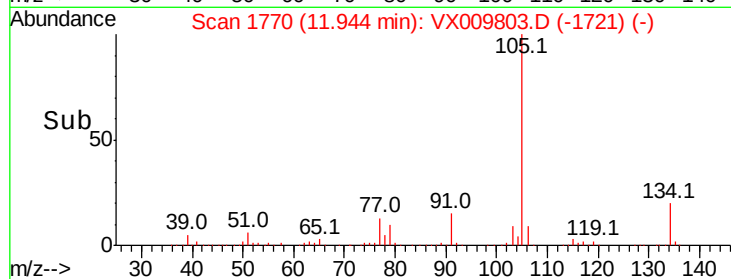
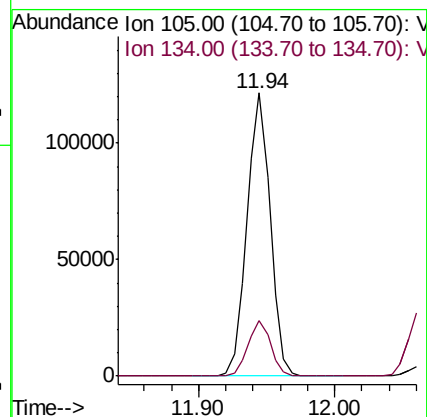
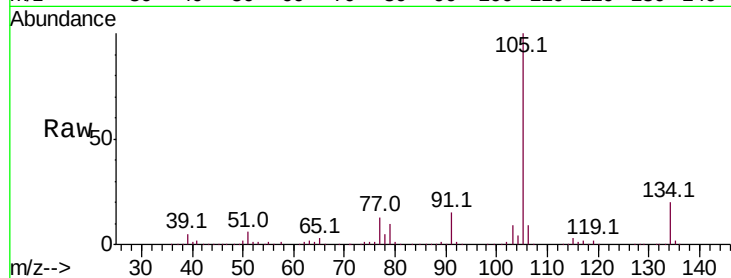
134 19.2 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 16.616 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

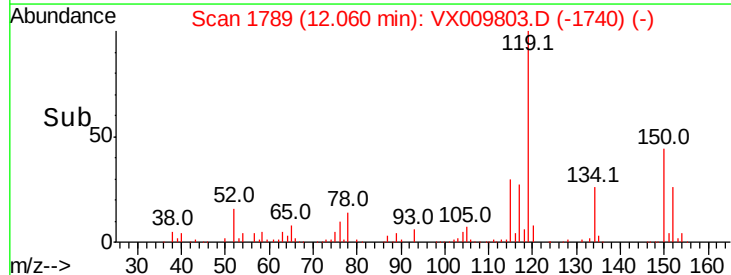
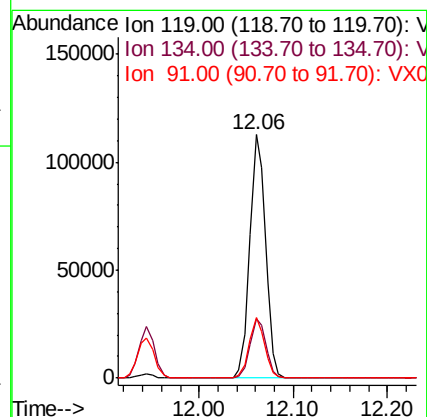
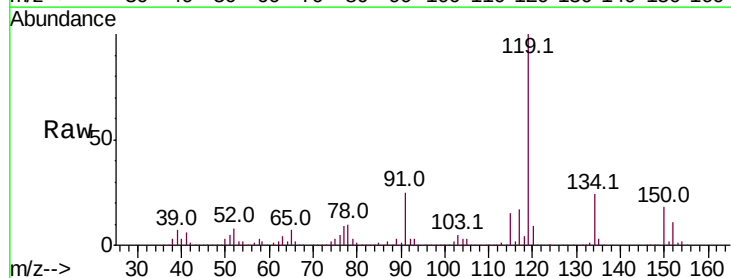
Tgt Ion:119 Resp: 131771

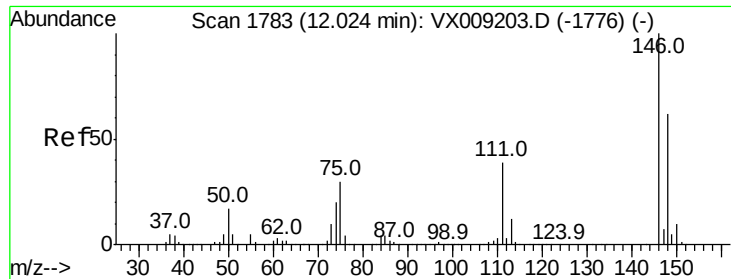
Ion Ratio Lower Upper

119 100

134 24.9 12.9 38.7

91 24.5 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 16.300 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

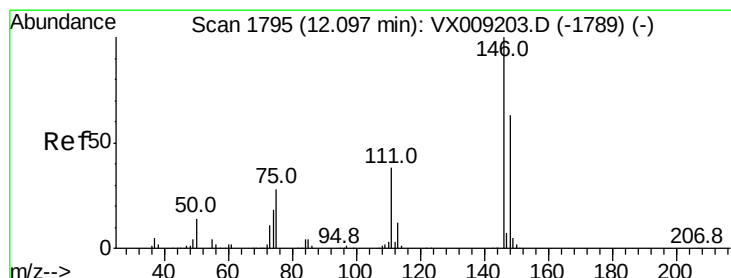
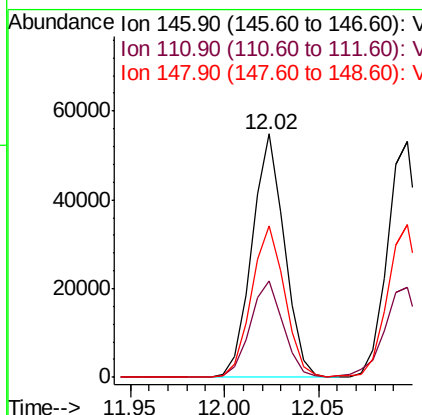
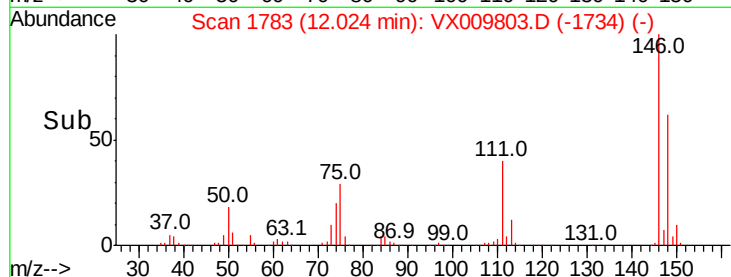
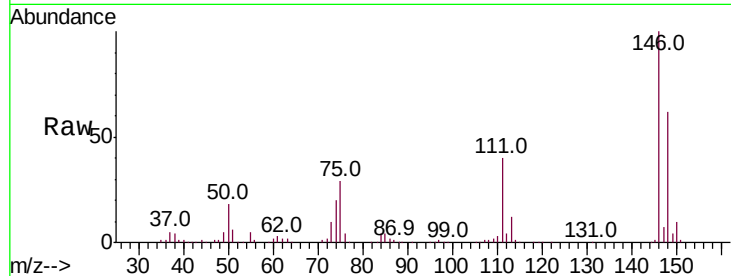
ClientSampleId :

VX0522WBSD01

Tot Ion:	146	Resp:	65517
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.0	59.9
148	63.6	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 16.233 ug/l

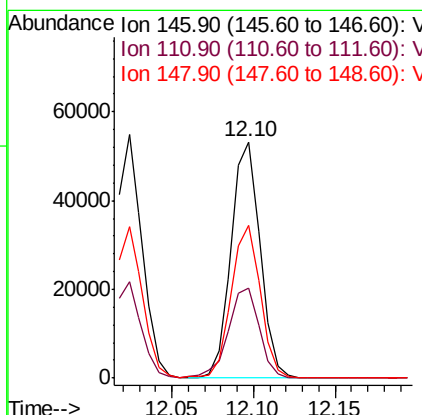
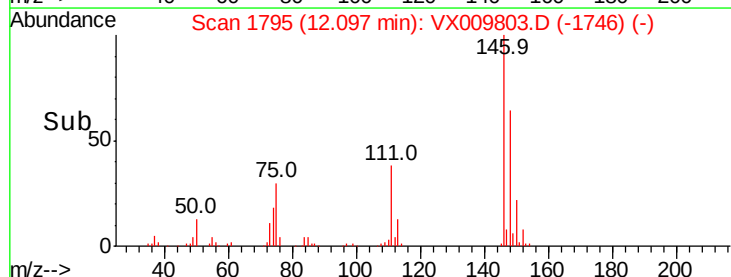
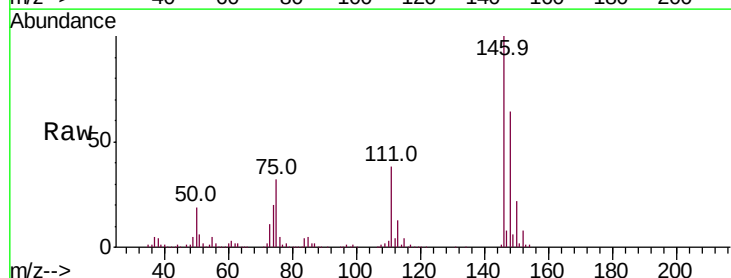
RT: 12.10 min Scan# 1795

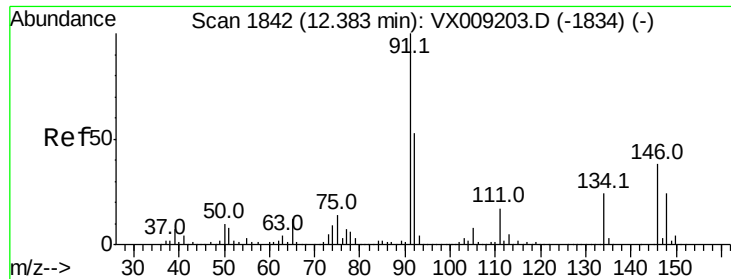
Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Tgt Ion:	146	Resp:	65783
Ion Ratio	Lower	Upper	
146	100		
111	40.8	19.6	58.8
148	64.7	31.8	95.3





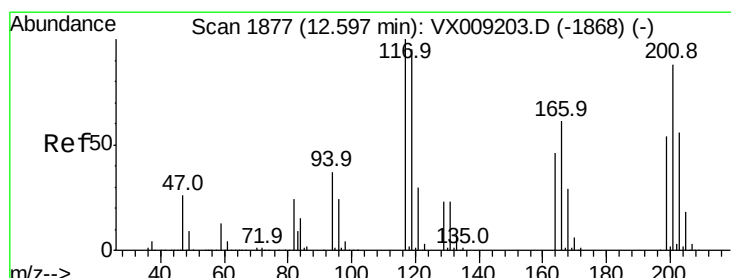
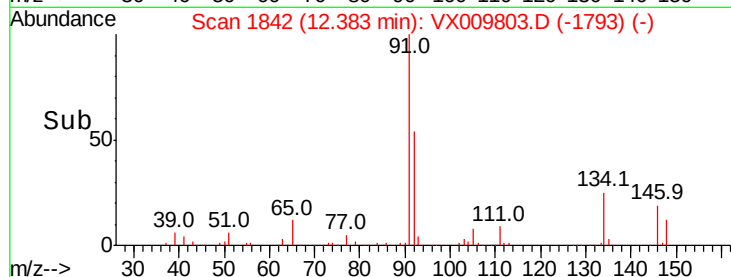
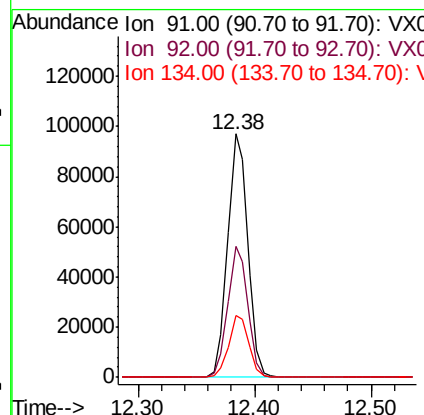
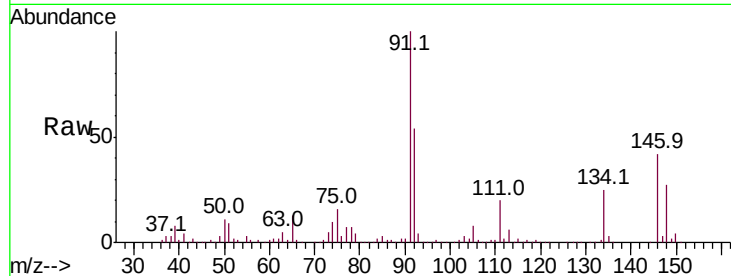
#89
n-Butylbenzene
Concen: 16.165 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.5	79.5
134	25.3	12.4	37.2

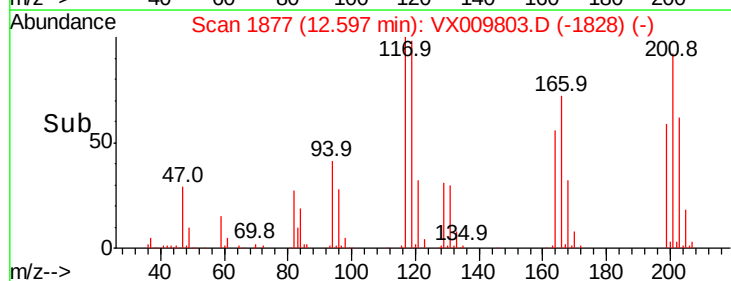
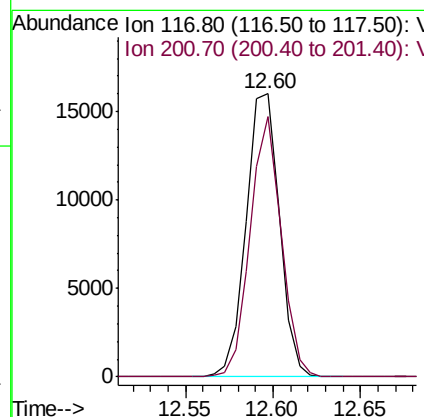
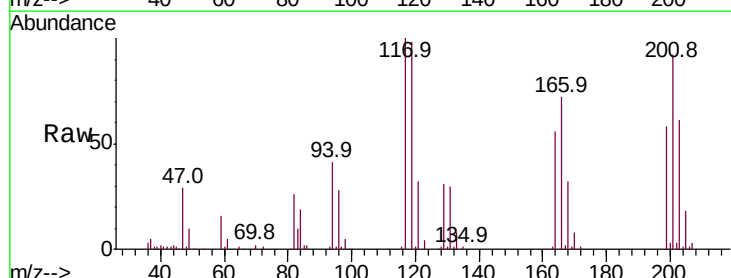
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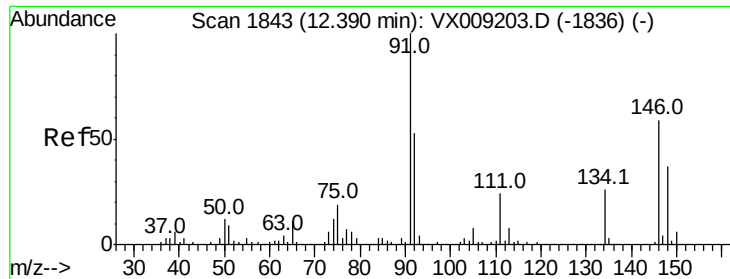
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#90
Hexachloroethane
Concen: 15.732 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.6	42.3	126.9





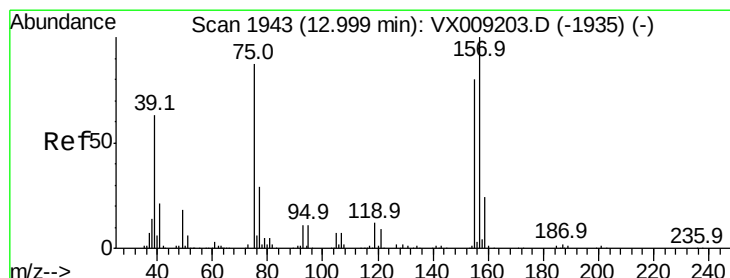
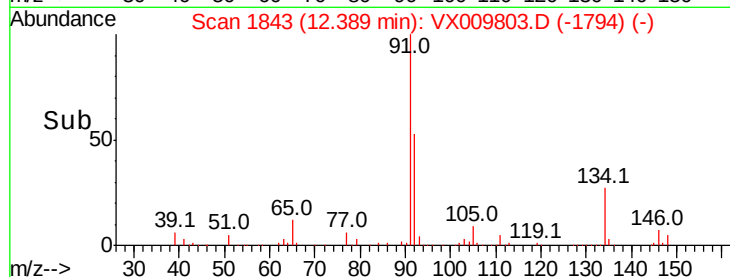
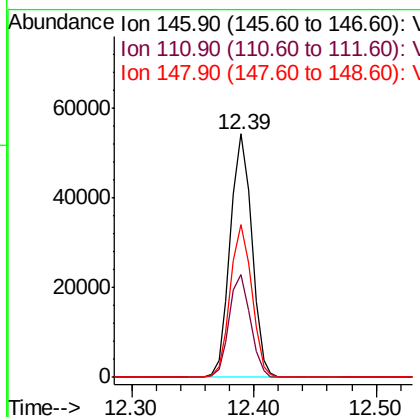
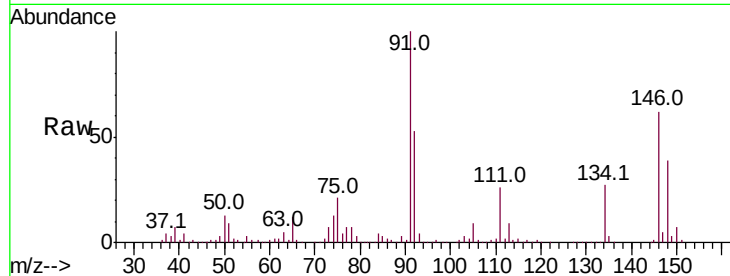
#91
 1,2-Dichlorobenzene
 Concen: 16.154 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.4
148	62.5	31.9	95.9

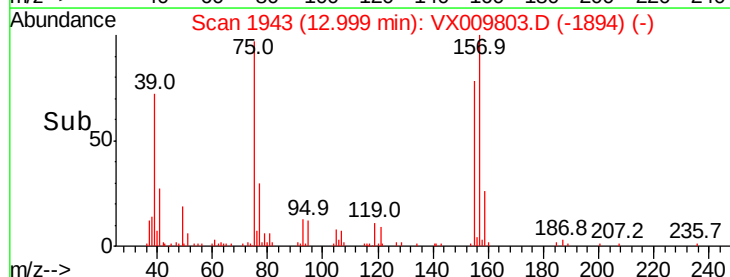
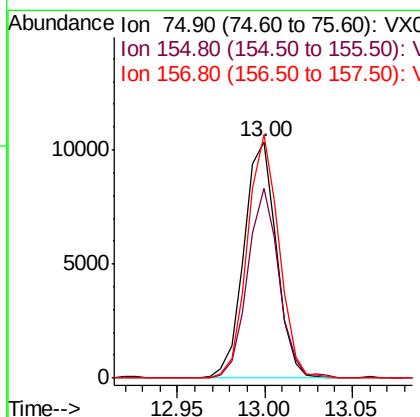
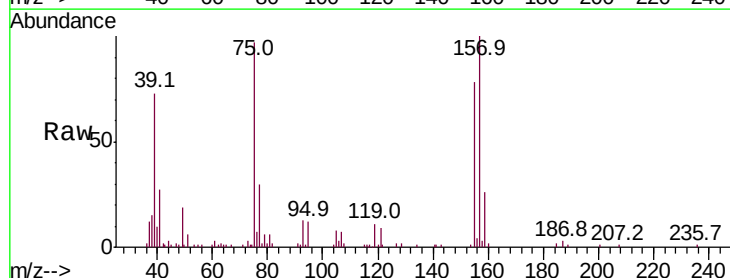
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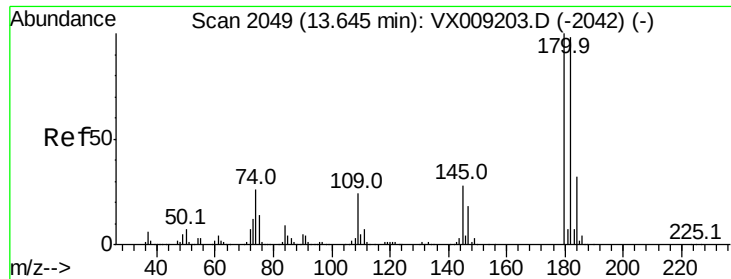
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.583 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.7	42.0	126.0
157	100.0	53.2	159.6





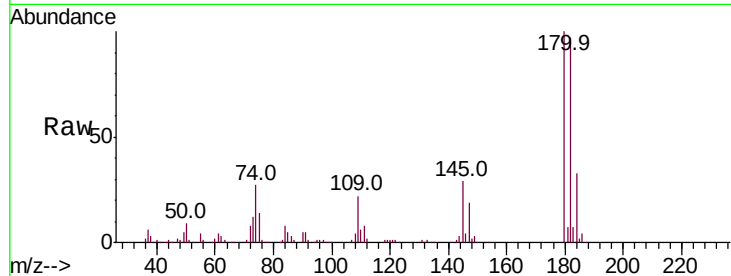
#93
1,2,4-Trichlorobenzene
Concen: 16.243 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	45474		
182	97.0		48.4	145.2
145	29.4		14.6	43.8

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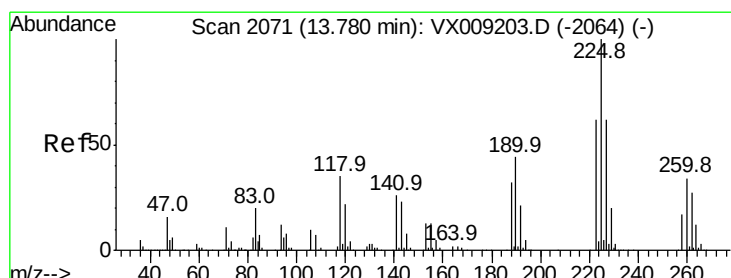
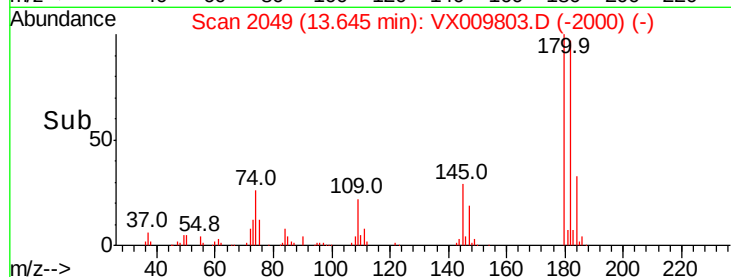
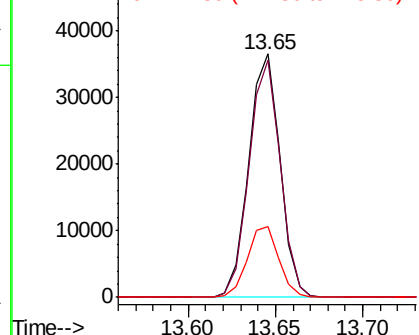


Abundance

Ion 179.80 (179.50 to 180.50): V

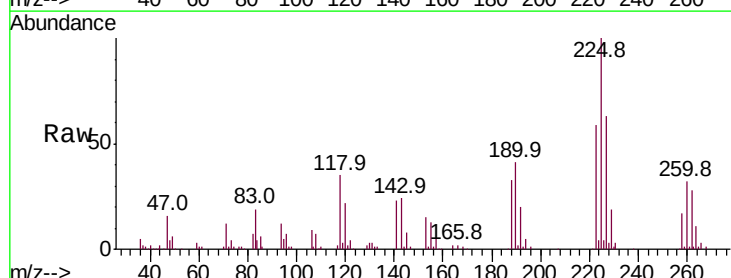
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 16.570 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23689		
223	62.9		31.3	93.8
227	64.6		31.8	95.3

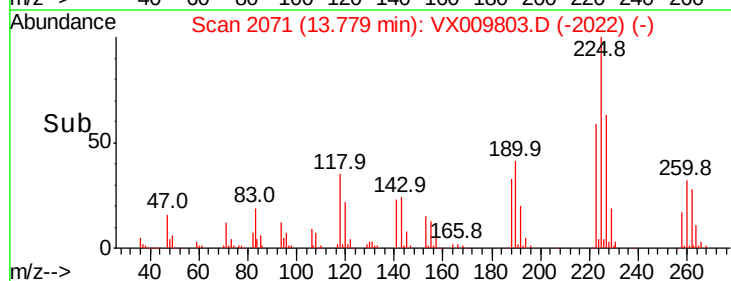
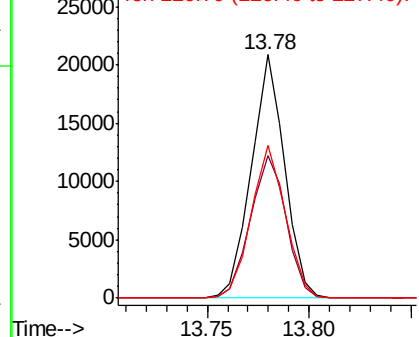


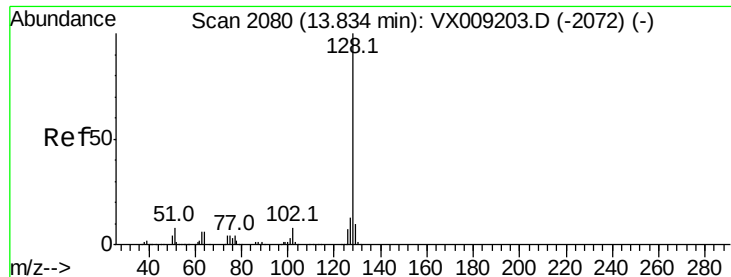
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.448 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

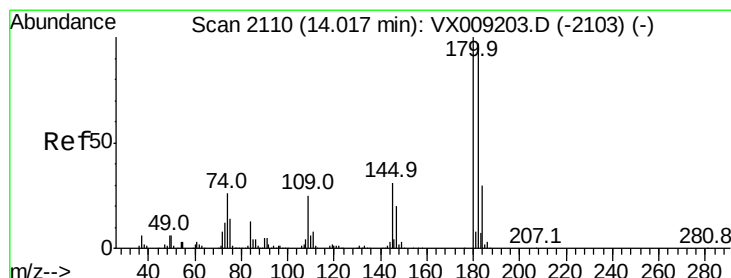
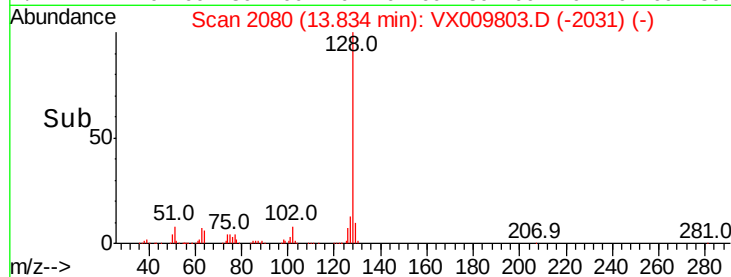
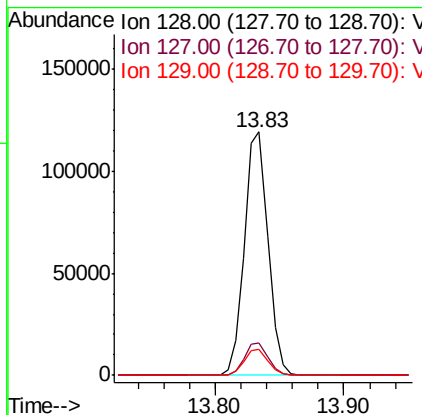
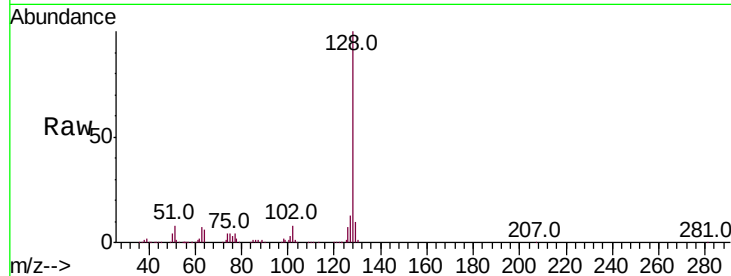
ClientSampleId :

VX0522WBSD01

Tot Ion:	128	Resp:	149815
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/23/2019 10:44:03 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.595 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Tgt Ion:	180	Resp:	47095
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.8	143.4
145	30.6	15.4	46.4

