

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010825.D
 Acq On : 12 Jul 2019 10:59
 Operator : JC/SP
 Sample : VX0712WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/15/2019 11:00:21 AM

Quant Time: Jul 13 01:57:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	238732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	356264	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	317438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170685	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	99334	44.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.76%	
35) Dibromofluoromethane	5.50	113	95084	43.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.24%	
50) Toluene-d8	8.71	98	346180	41.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.02%	
62) 4-Bromofluorobenzene	11.13	95	126804	42.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.24%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	34023	20.499	ug/l 97
3) Chloromethane	1.33	50	34411	17.805	ug/l 99
4) Vinyl Chloride	1.41	62	38141	18.018	ug/l 98
5) Bromomethane	1.64	94	21735	21.076	ug/l 98
6) Chloroethane	1.72	64	24086	19.286	ug/l 96
7) Trichlorofluoromethane	1.93	101	65225	19.437	ug/l 98
8) Diethyl Ether	2.19	74	23163	19.248	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	38090	18.731	ug/l 99
10) Methyl Iodide	2.51	142	36419	12.549	ug/l 98
11) Tert butyl alcohol	3.04	59	44296	75.629	ug/l 96
12) 1,1-Dichloroethene	2.37	96	36433	17.607	ug/l 98
13) Acrolein	2.29	56	38299	98.571	ug/l 99
14) Allyl chloride	2.73	41	53050	18.058	ug/l 99
15) Acrylonitrile	3.14	53	105747	91.191	ug/l 100
16) Acetone	2.44	43	104958	93.563	ug/l 98
17) Carbon Disulfide	2.57	76	87537	15.768	ug/l 99
18) Methyl Acetate	2.78	43	41407	18.520	ug/l 99
19) Methyl tert-butyl Ether	3.20	73	119691	18.386	ug/l 100
20) Methylene Chloride	2.85	84	42553	18.432	ug/l 98
21) trans-1,2-Dichloroethene	3.17	96	38829	17.447	ug/l 95
22) Diisopropyl ether	3.85	45	113454	18.471	ug/l 96
23) Vinyl Acetate	3.81	43	492212	92.761	ug/l 98
24) 1,1-Dichloroethane	3.70	63	64858	18.268	ug/l 97
25) 2-Butanone	4.67	43	146843	89.238	ug/l 97
26) 2,2-Dichloropropane	4.58	77	52482	17.016	ug/l 100
27) cis-1,2-Dichloroethene	4.59	96	46688	18.154	ug/l 99
28) Bromochloromethane	5.02	49	27460	16.177	ug/l 95
29) Tetrahydrofuran	5.12	42	91294	89.570	ug/l 99
30) Chloroform	5.21	83	70766	18.525	ug/l 100
31) Cyclohexane	5.58	56	57136	17.672	ug/l 97
32) 1,1,1-Trichloroethane	5.49	97	58960	17.480	ug/l 98
36) 1,1-Dichloropropene	5.79	75	49747	17.572	ug/l 98
37) Ethyl Acetate	4.83	43	52702	18.095	ug/l 98
38) Carbon Tetrachloride	5.78	117	51912	16.933	ug/l 98

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Manual Integrations
 APPROVED

MMDadoda
 7/15/2019 11:00:21 AM

Quant Time: Jul 13 01:57:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	66324	17.823	ug/l	99
40) Benzene	6.14	78	159076	18.036	ug/l	99
41) Methacrylonitrile	5.04	41	28466	17.813	ug/l	97
42) 1,2-Dichloroethane	6.19	62	52972	19.730	ug/l	98
43) Isopropyl Acetate	6.44	43	85813	17.808	ug/l	97
44) Trichloroethene	7.21	130	45955	17.412	ug/l	99
45) 1,2-Dichloropropane	7.51	63	39124	17.565	ug/l	95
46) Dibromomethane	7.66	93	28382	17.760	ug/l	98
47) Bromodichloromethane	7.90	83	50885	17.375	ug/l	100
48) Methyl methacrylate	7.77	41	39363	17.574	ug/l	99
49) 1,4-Dioxane	7.74	88	23273	360.697	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	281705	91.408	ug/l	98
52) Toluene	8.78	92	102684	17.679	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	52598	16.019	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	60358	16.916	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	43921	18.335	ug/l	99
56) Ethyl methacrylate	9.18	69	63137	17.399	ug/l	98
57) 1,3-Dichloropropane	9.37	76	68086	18.310	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	141436	82.066	ug/l	100
59) 2-Hexanone	9.49	43	220582	90.942	ug/l	99
60) Dibromochloromethane	9.58	129	43615	16.261	ug/l	100
61) 1,2-Dibromoethane	9.67	107	45130	17.454	ug/l	99
64) Tetrachloroethene	9.33	164	44586	17.365	ug/l	97
65) Chlorobenzene	10.13	112	117132	18.175	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	40739	17.355	ug/l	98
67) Ethyl Benzene	10.25	91	201373	18.509	ug/l	97
68) m/p-Xylenes	10.36	106	157283	37.309	ug/l	99
69) o-Xylene	10.69	106	76035	18.341	ug/l	99
70) Styrene	10.71	104	127970	18.406	ug/l	99
71) Bromoform	10.85	173	31459	15.410	ug/l #	98
73) Isopropylbenzene	11.02	105	206701	17.865	ug/l	98
74) N-amyl acetate	10.90	43	77088	17.629	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	66842	17.444	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	54003m	17.362	ug/l	
77) Bromobenzene	11.26	156	54526	16.877	ug/l	99
78) n-propylbenzene	11.36	91	225991	17.772	ug/l	100
79) 2-Chlorotoluene	11.42	91	133303	17.604	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	171271	17.956	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	16396	12.298	ug/l #	83
82) 4-Chlorotoluene	11.51	91	155828	18.085	ug/l	99
83) tert-Butylbenzene	11.77	119	167459	17.492	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	173450	18.100	ug/l	99
85) sec-Butylbenzene	11.94	105	203239	18.081	ug/l	99
86) p-Isopropyltoluene	12.06	119	184478	17.743	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	99496	17.643	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	99353	17.305	ug/l	99
89) n-Butylbenzene	12.38	91	158100	17.895	ug/l	99
90) Hexachloroethane	12.59	117	27077	15.061	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	99857	17.816	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13112	15.871	ug/l	91

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ClientSampleId :
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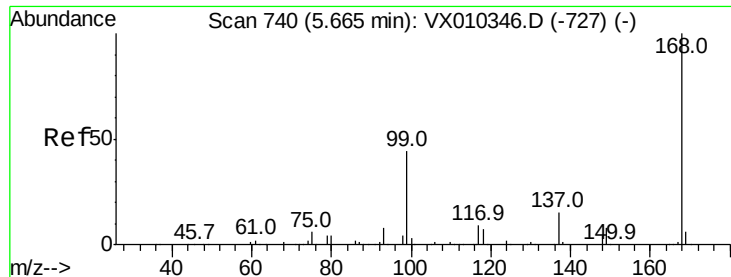
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	66450	17.096	ug/l	98
94) Hexachlorobutadiene	13.78	225	33285	17.521	ug/l	98
95) Naphthalene	13.83	128	199740	16.722	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	66932	17.319	ug/l	97

(#) = 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: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion:168 Resp: 238732

Ion Ratio Lower Upper

168 100

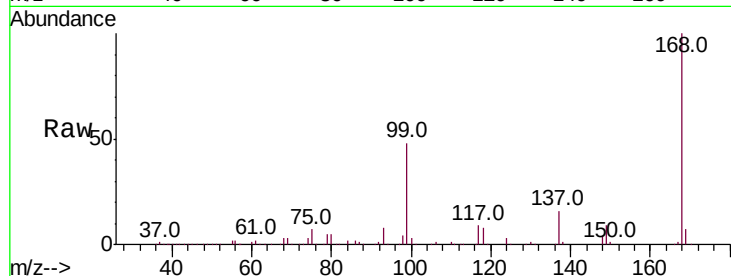
99 48.0 35.5 53.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

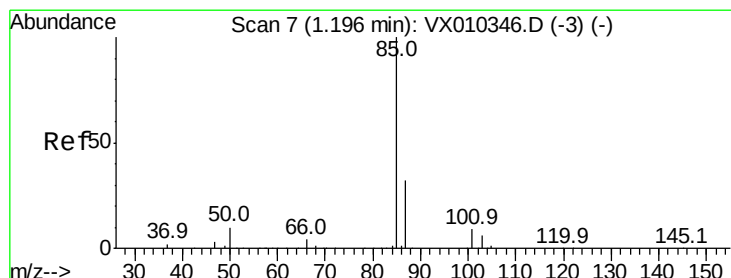
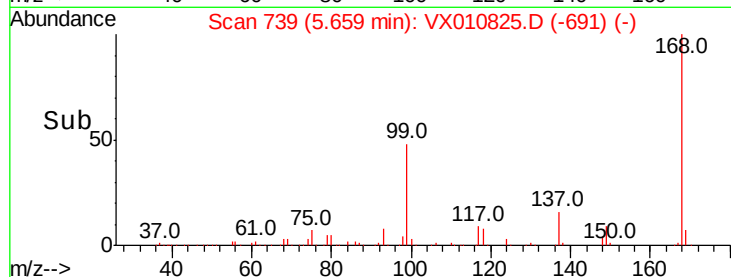
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.499 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX010825.D

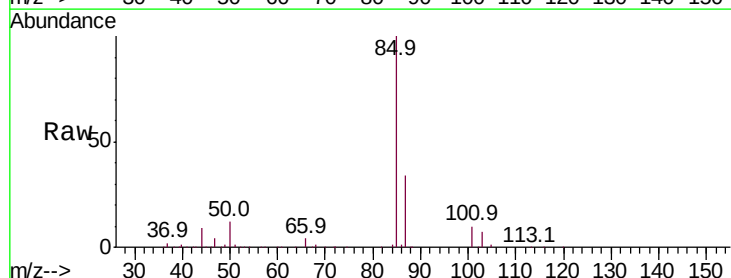
Acq: 12 Jul 2019 10:59

Tgt Ion: 85 Resp: 34023

Ion Ratio Lower Upper

85 100

87 34.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

30000

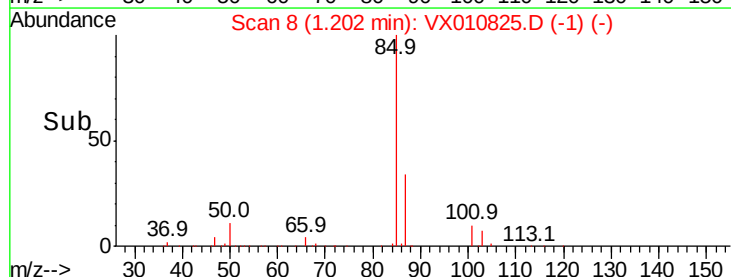
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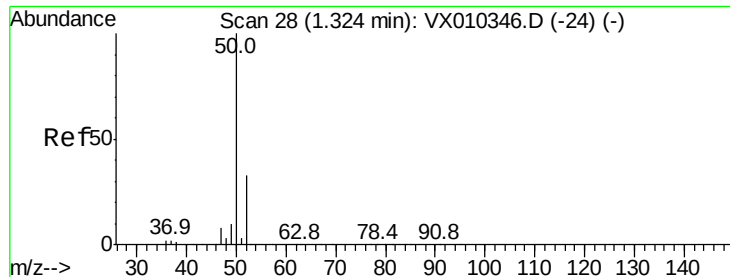
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 17.805 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion: 50 Resp: 34411

Ion Ratio Lower Upper

50 100

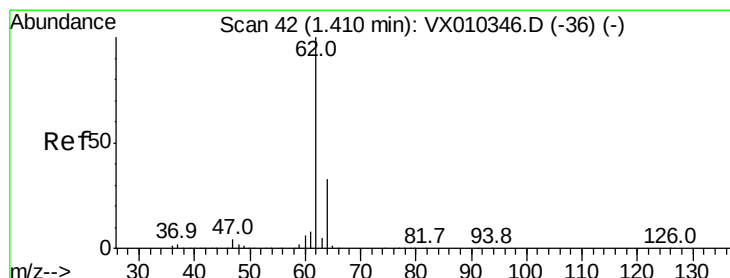
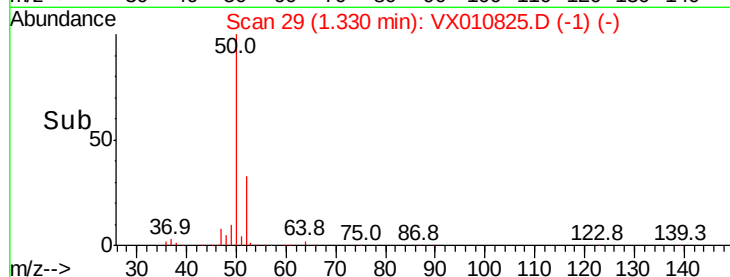
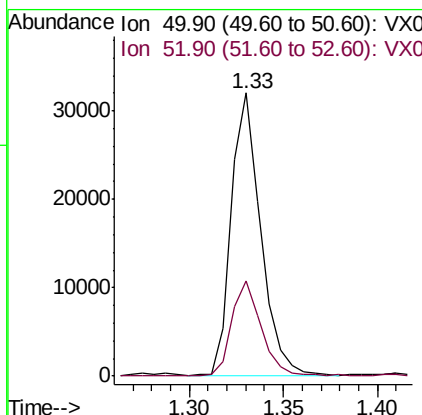
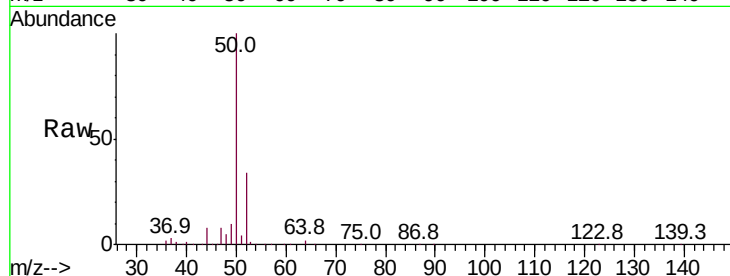
52 33.6 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.018 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010825.D

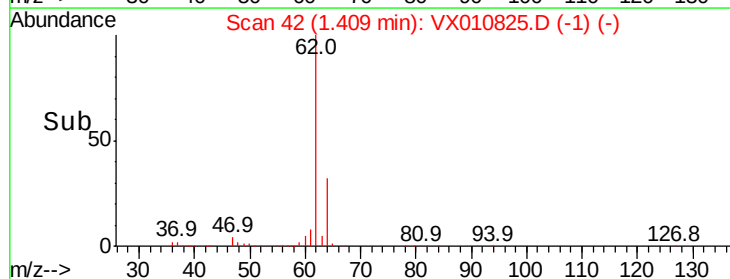
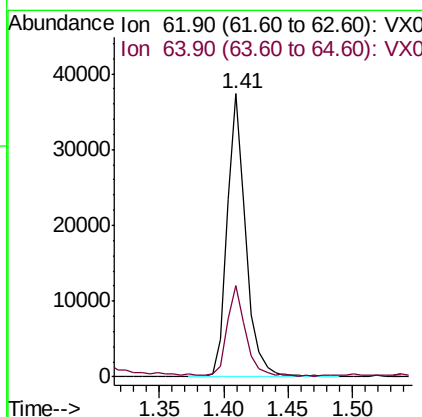
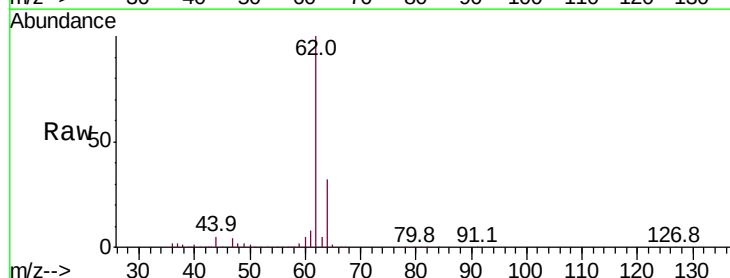
Acq: 12 Jul 2019 10:59

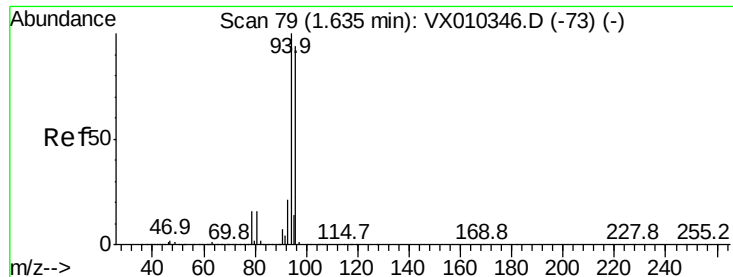
Tgt Ion: 62 Resp: 38141

Ion Ratio Lower Upper

62 100

64 31.6 26.2 39.4





#5

Bromomethane

Concen: 21.076 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion: 94 Resp: 21735

Ion Ratio Lower Upper

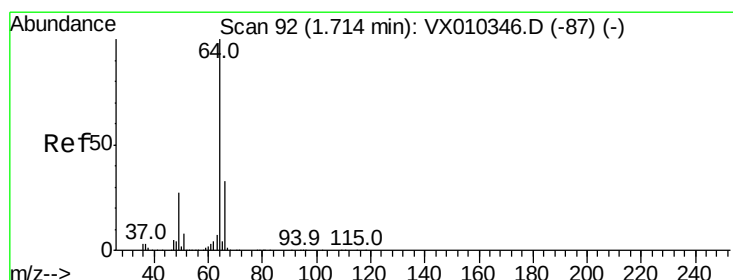
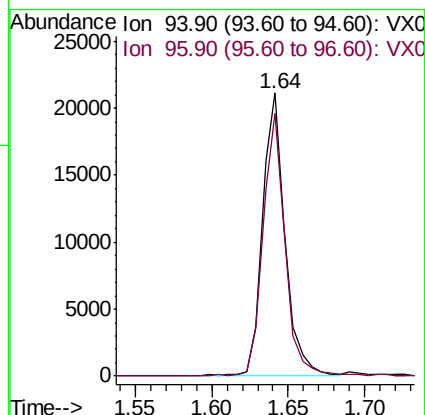
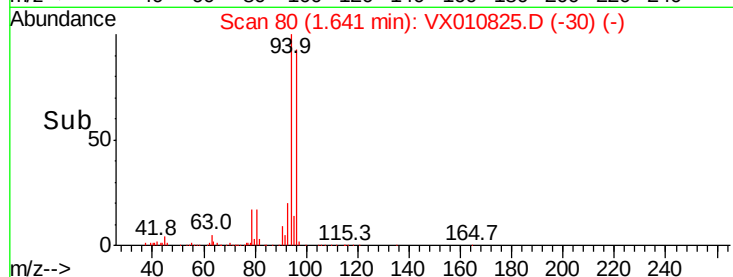
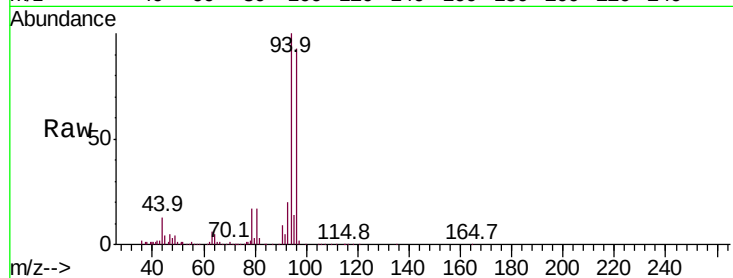
94 100

96 92.9 75.5 113.3

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#6

Chloroethane

Concen: 19.286 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010825.D

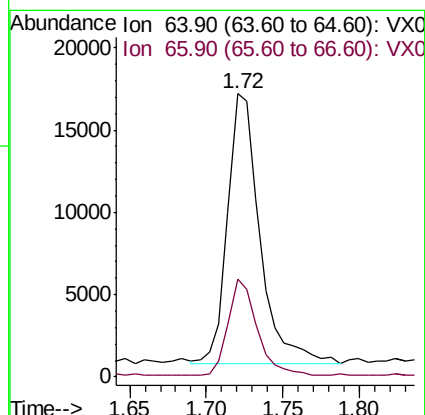
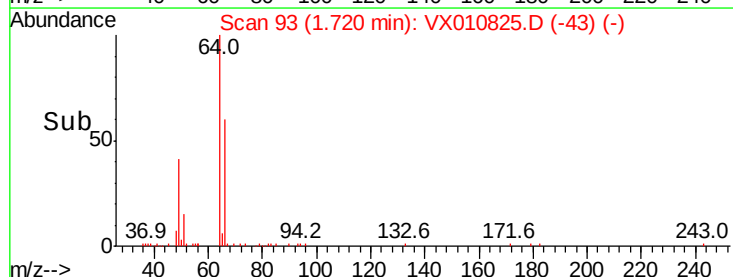
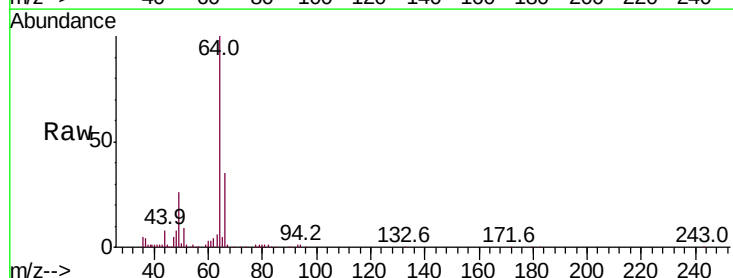
Acq: 12 Jul 2019 10:59

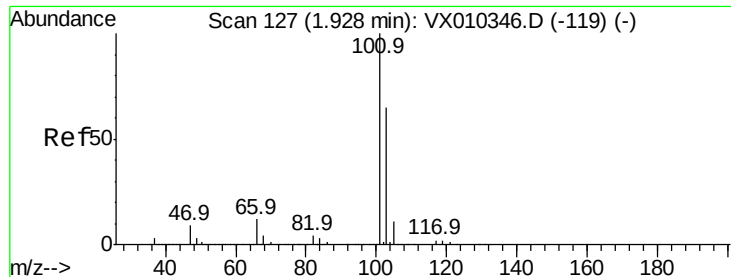
Tgt Ion: 64 Resp: 24086

Ion Ratio Lower Upper

64 100

66 35.7 26.6 40.0





#7

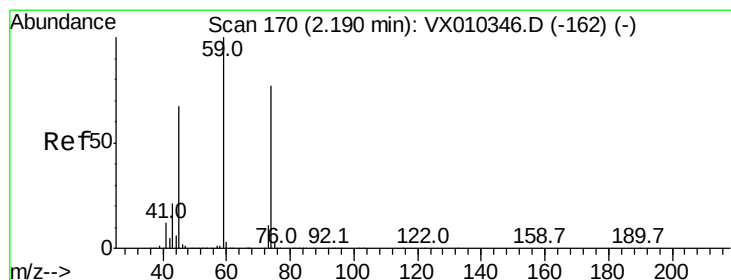
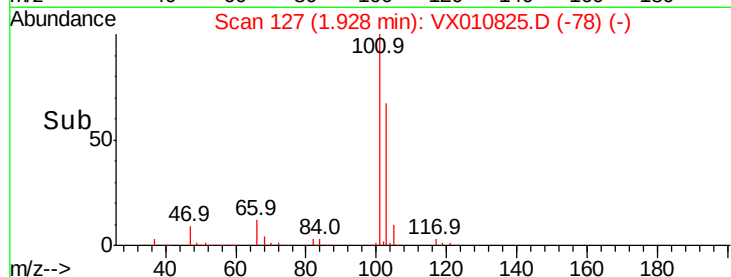
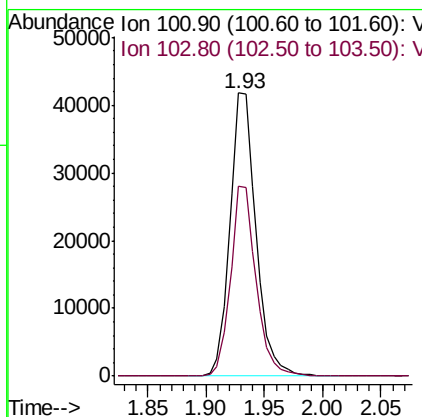
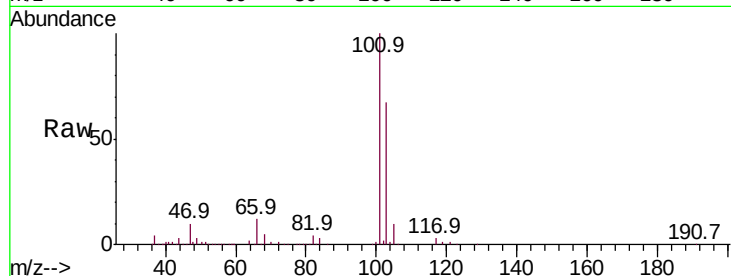
Trichlorofluoromethane
Concen: 19.437 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	52.3	78.5

Manual Integrations
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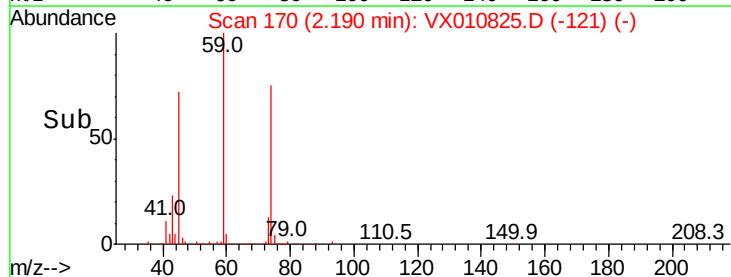
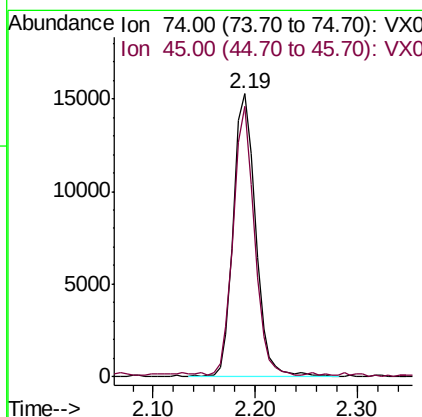
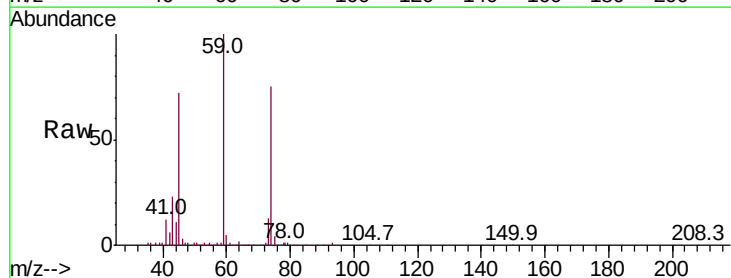
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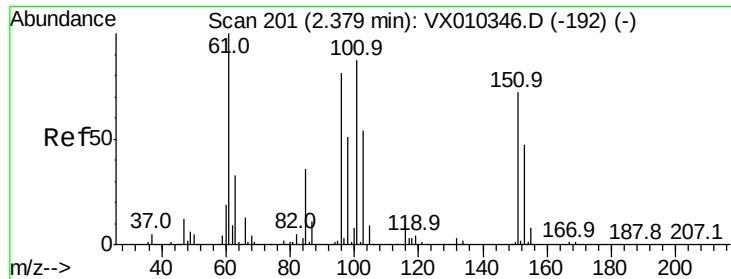


#8

Diethyl Ether
Concen: 19.248 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.8	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.731 ug/l

RT: 2.38 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

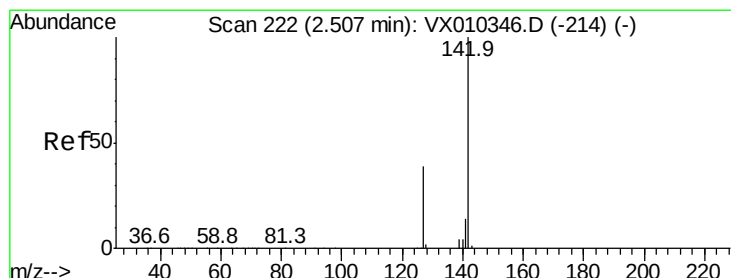
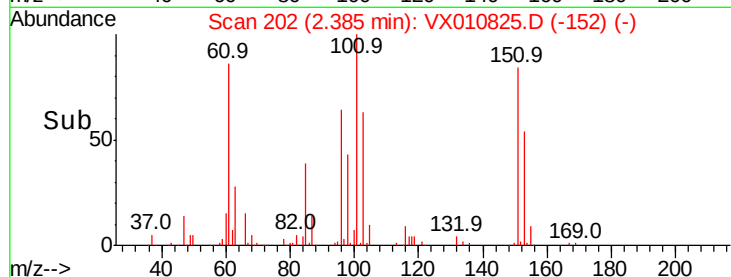
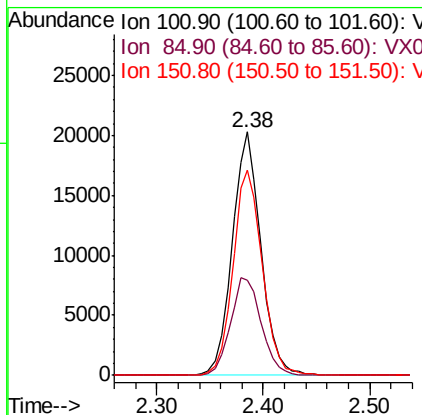
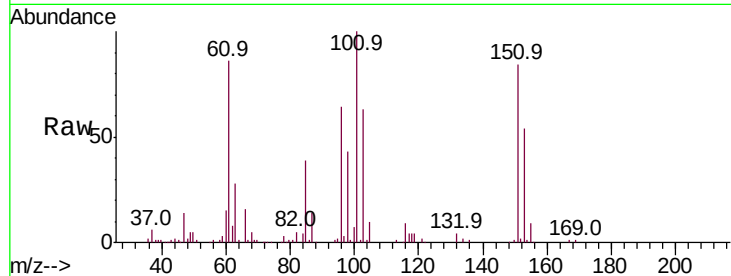
ClientSampleId :

VX0712WBS01

Tot Ion:	101	Resp:	38090
Ion Ratio	Lower	Upper	
101	100		
85	43.3	33.7	50.5
151	86.7	70.1	105.1

Manual Integrations
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#10

Methyl Iodide

Concen: 12.549 ug/l

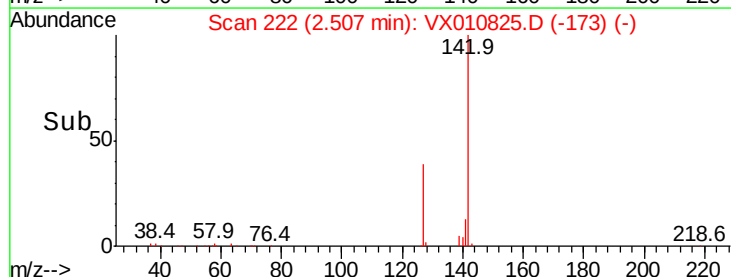
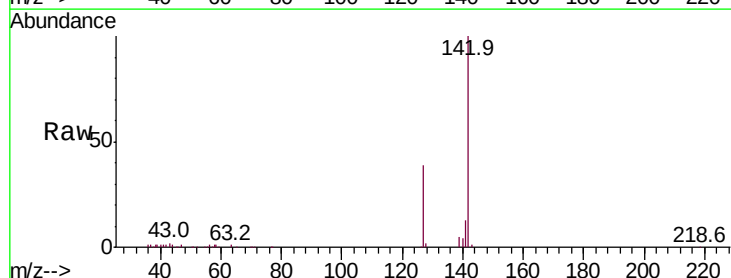
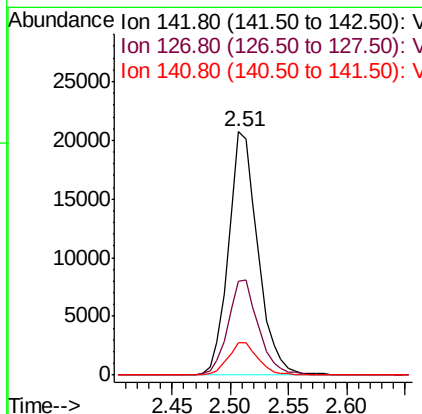
RT: 2.51 min Scan# 222

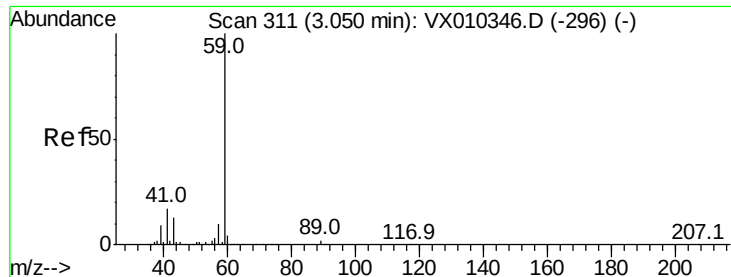
Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Tgt Ion:	142	Resp:	36419
Ion Ratio	Lower	Upper	
142	100		
127	40.7	31.1	46.7
141	13.7	11.2	16.8





#11

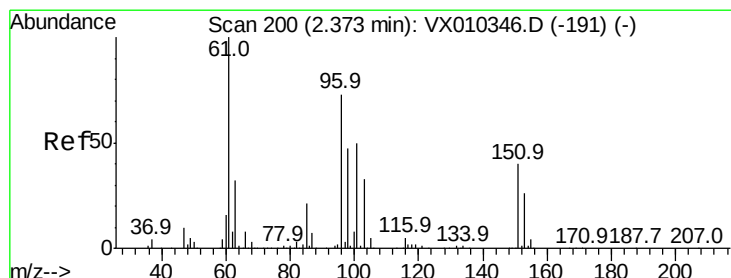
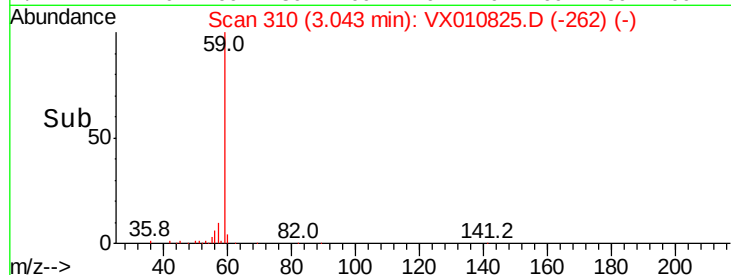
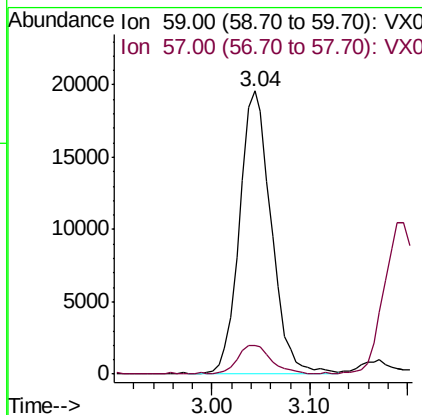
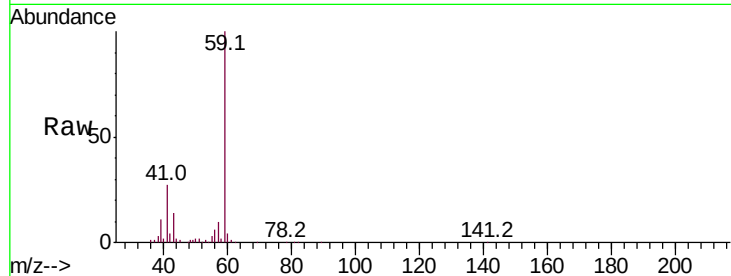
Tert butyl alcohol
Concen: 75.629 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_X
ClientSampled :
VX0712WBS01

Tot Ion: 59 Resp: 44296
Ion Ratio Lower Upper
59 100
57 10.9 7.7 11.5

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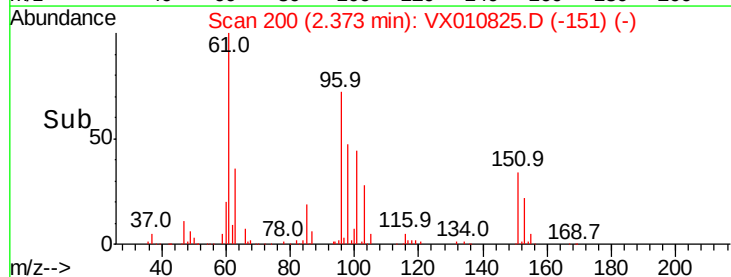
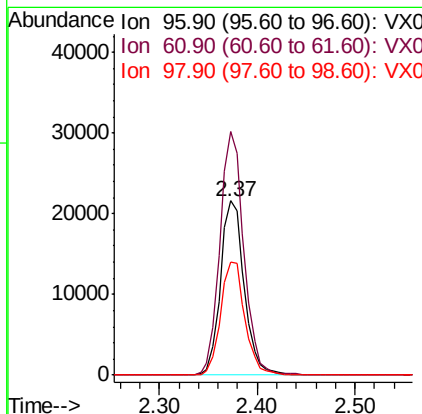
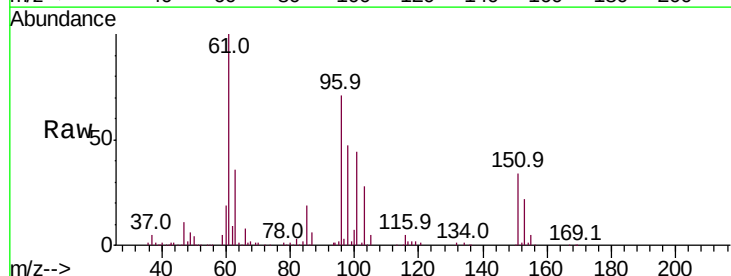
MMDadoda
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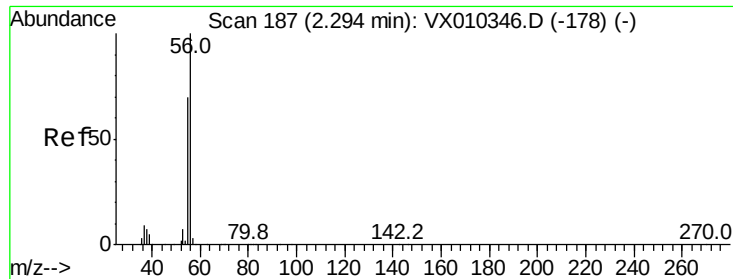


#12

1,1-Dichloroethene
Concen: 17.607 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Tgt Ion: 96 Resp: 36433
Ion Ratio Lower Upper
96 100
61 139.9 109.2 163.8
98 65.3 51.1 76.7





#13

Acrolein

Concen: 98.571 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion: 56 Resp: 38299

Ion Ratio Lower Upper

56 100

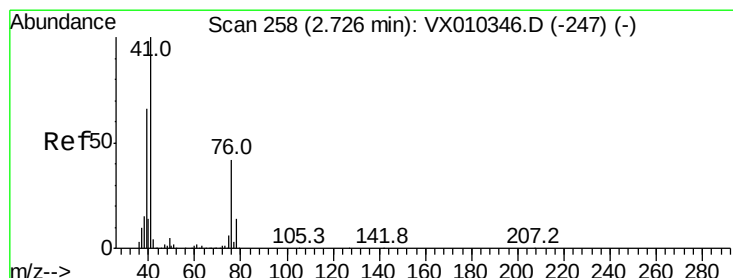
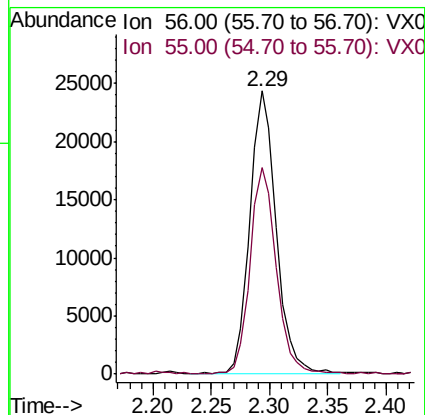
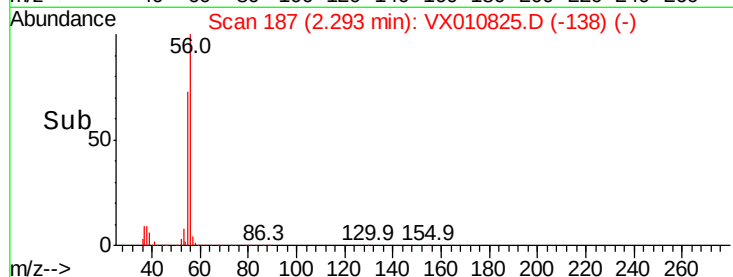
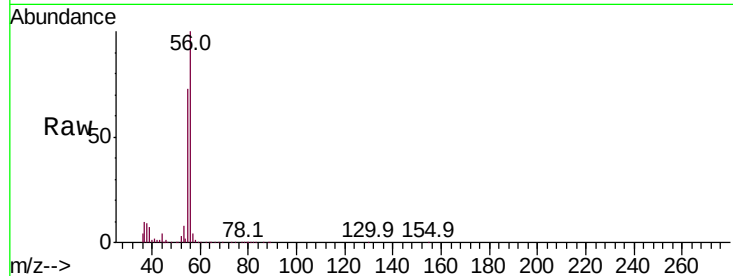
55 72.3 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 18.058 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

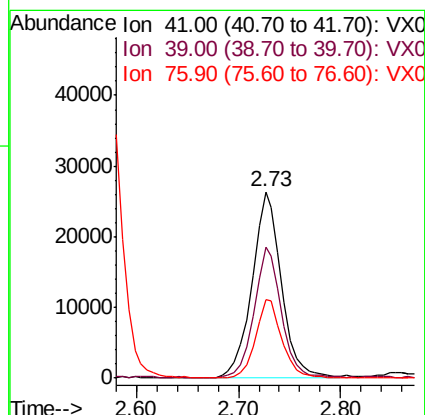
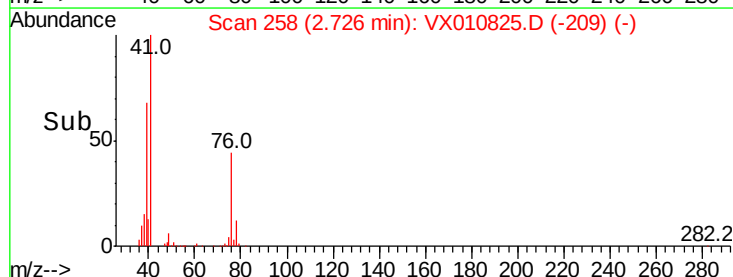
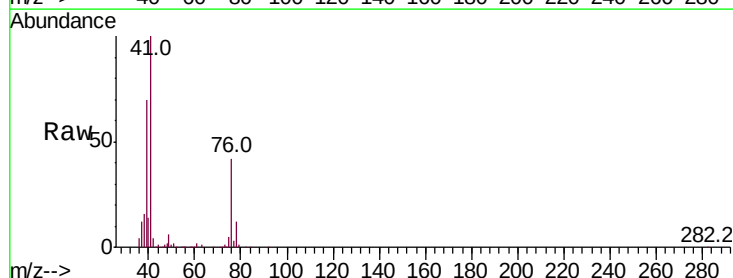
Tgt Ion: 41 Resp: 53050

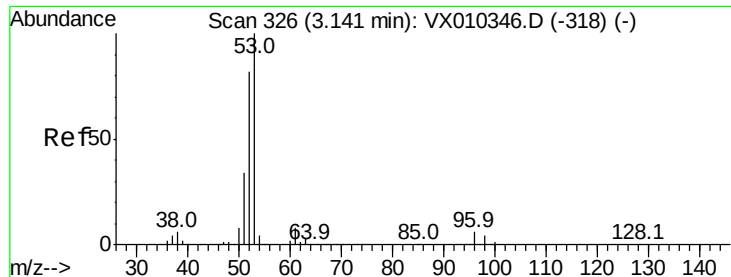
Ion Ratio Lower Upper

41 100

39 64.0 50.3 75.5

76 38.2 31.3 46.9





#15

Acrylonitrile

Concen: 91.191 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

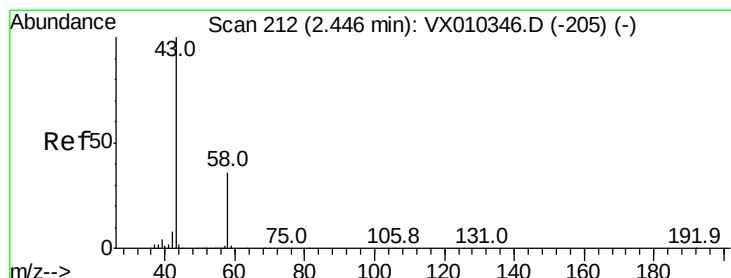
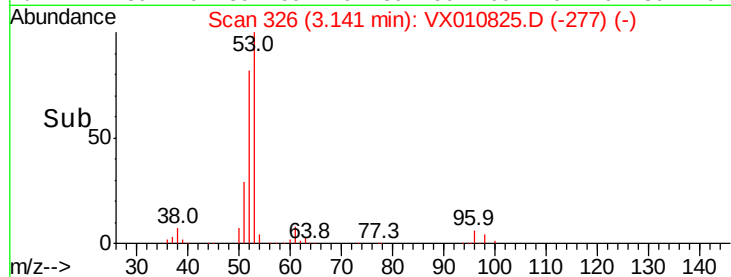
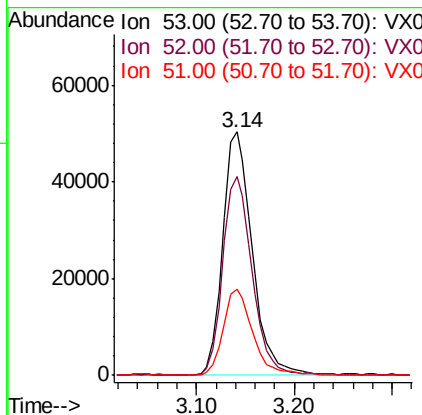
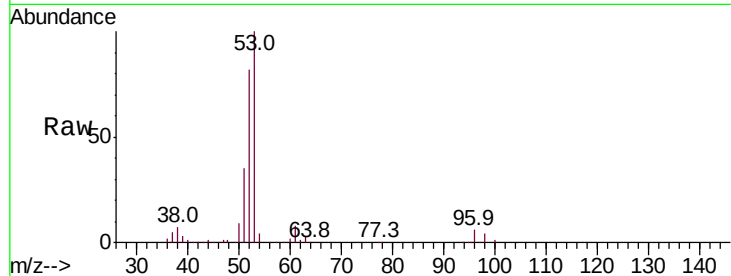
ClientSampleId :

VX0712WBS01

Tot Ion:	53	Resp:	105747
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.5	98.3
51	35.3	28.2	42.4

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#16

Acetone

Concen: 93.563 ug/l

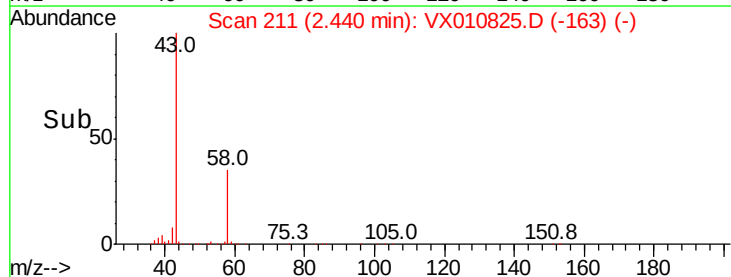
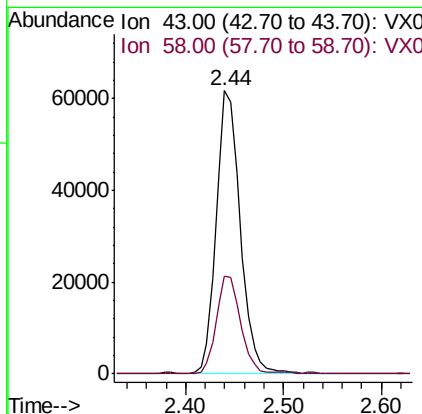
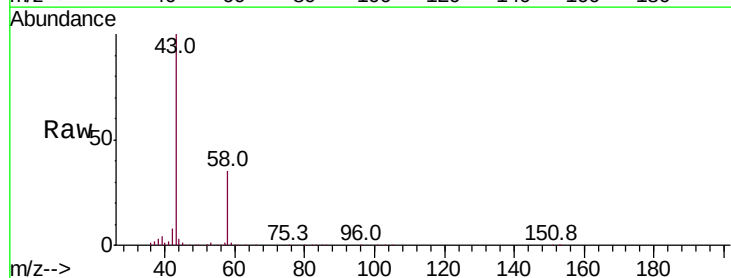
RT: 2.44 min Scan# 211

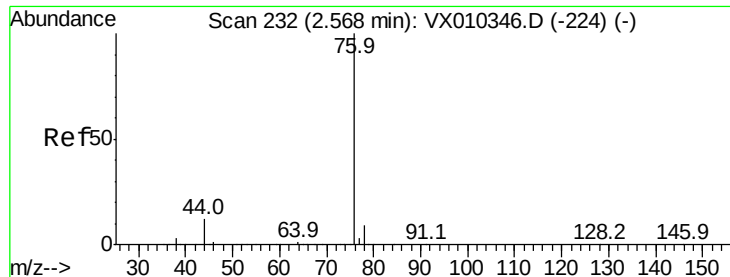
Delta R.T. -0.01 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Tgt Ion:	43	Resp:	104958
Ion Ratio	Lower	Upper	
43	100		
58	34.7	28.9	43.3





#17

Carbon Disulfide

Concen: 15.768 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion: 76 Resp: 87537

Ion Ratio Lower Upper

76 100

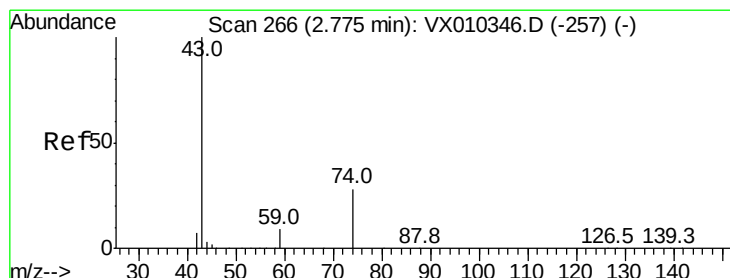
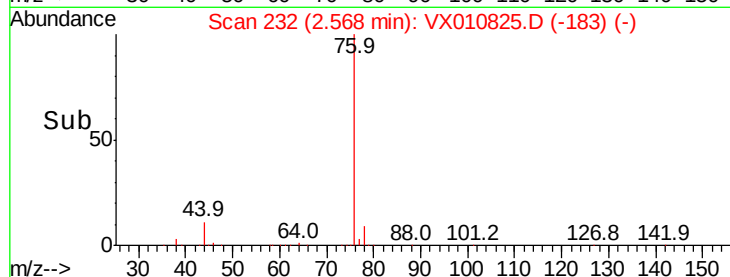
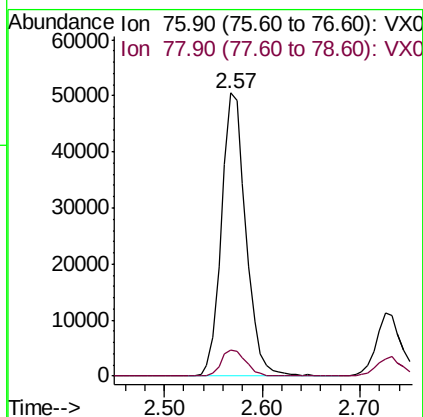
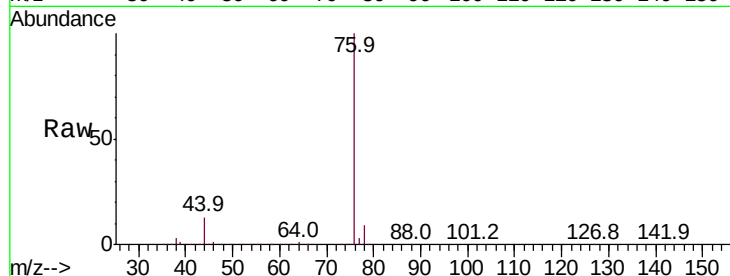
78 9.4 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 18.520 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010825.D

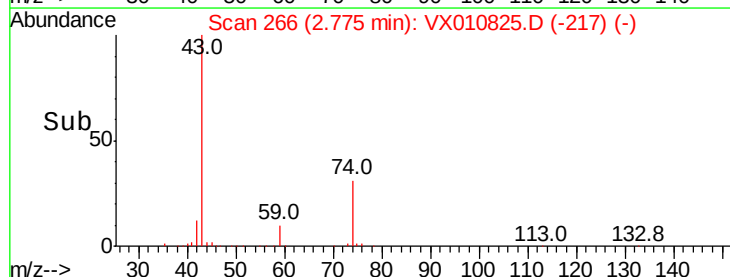
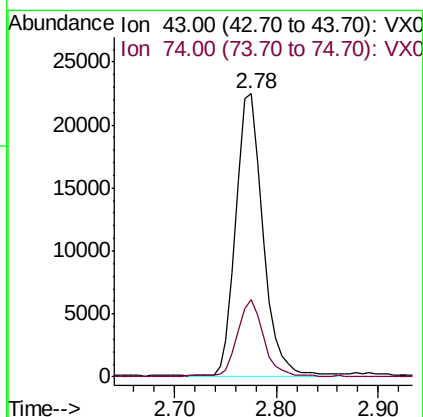
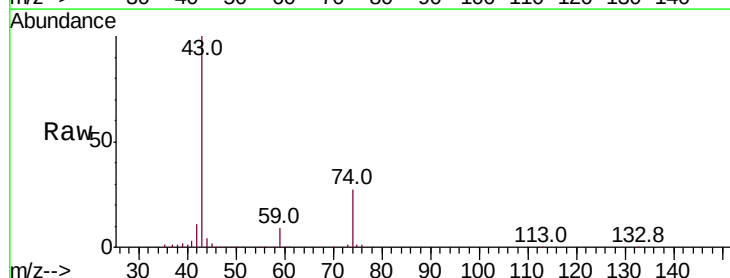
Acq: 12 Jul 2019 10:59

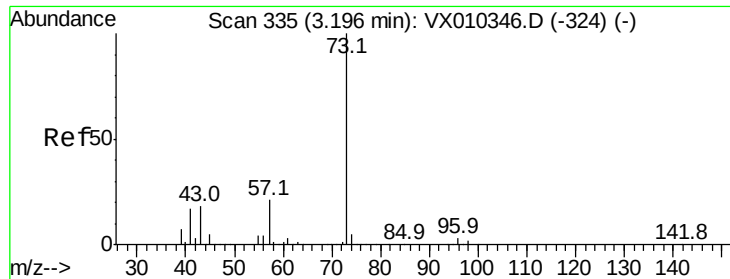
Tgt Ion: 43 Resp: 41407

Ion Ratio Lower Upper

43 100

74 27.1 21.3 31.9





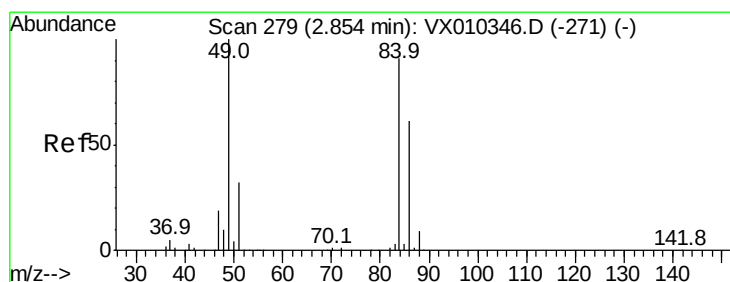
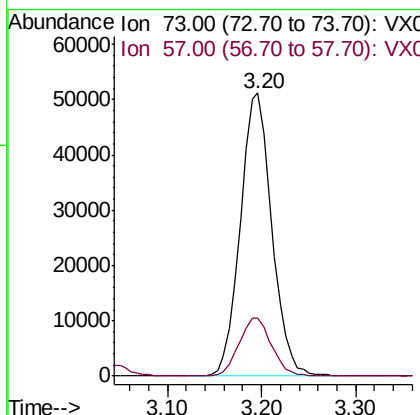
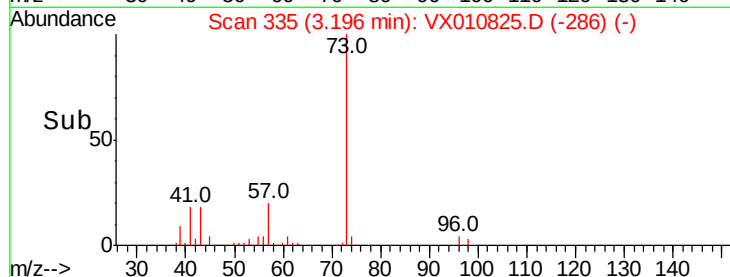
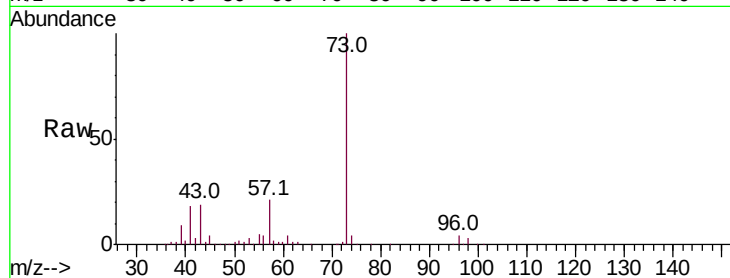
#19
Methyl tert-butyl Ether
Concen: 18.386 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion: 73 Resp: 119691
Ion Ratio Lower Upper
73 100
57 20.6 16.4 24.6

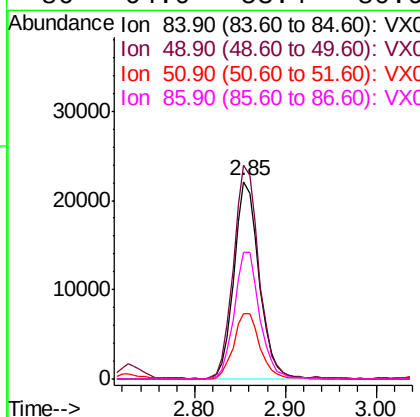
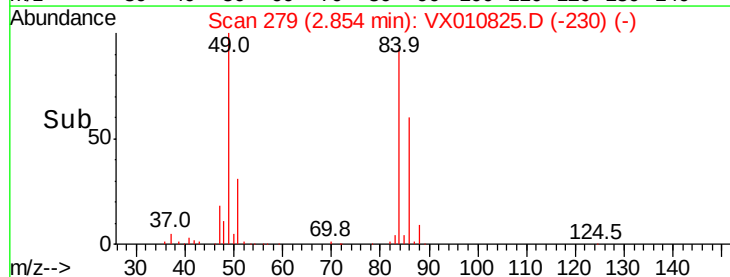
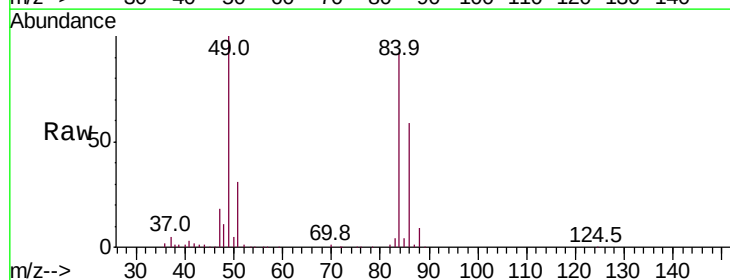
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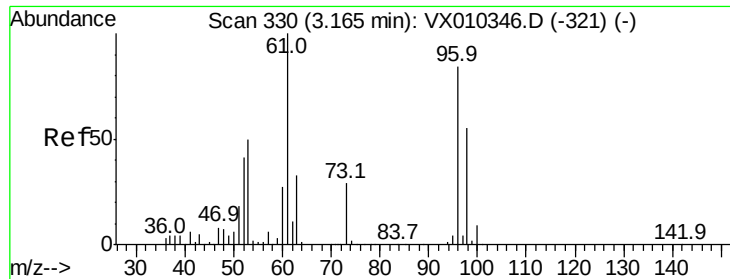
MMDadoda
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#20
Methylene Chloride
Concen: 18.432 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Tgt Ion: 84 Resp: 42553
Ion Ratio Lower Upper
84 100
49 108.0 87.5 131.3
51 33.0 27.7 41.5
86 64.0 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 17.447 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion: 96 Resp: 38829

Ion Ratio Lower Upper

96 100

61 125.6 95.6 143.4

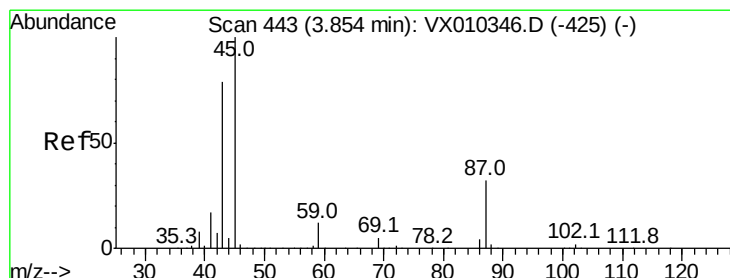
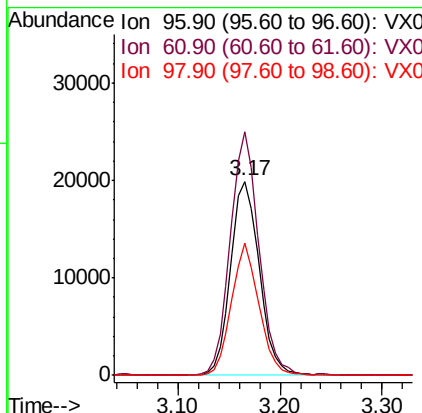
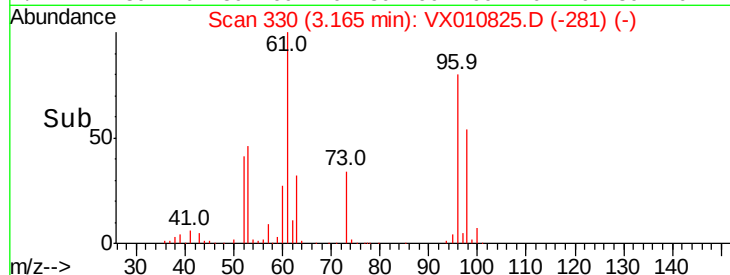
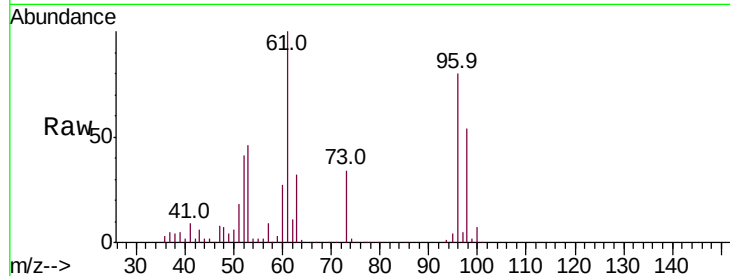
98 68.1 52.5 78.7

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#22

Diisopropyl ether

Concen: 18.471 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Tgt Ion: 45 Resp: 113454

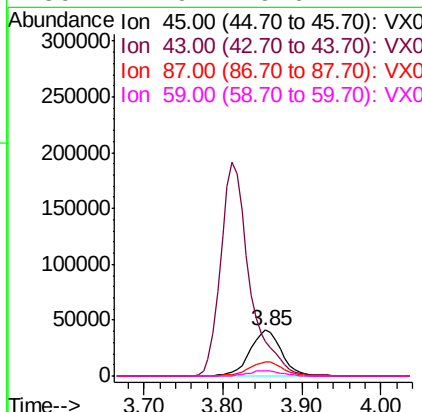
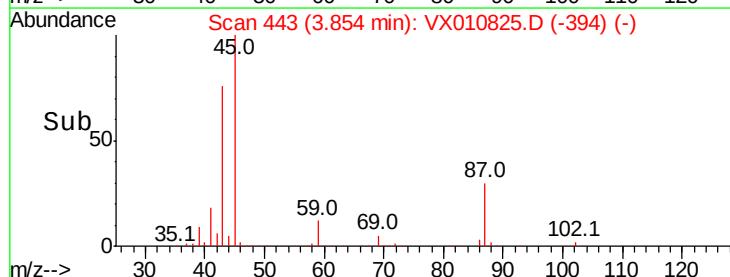
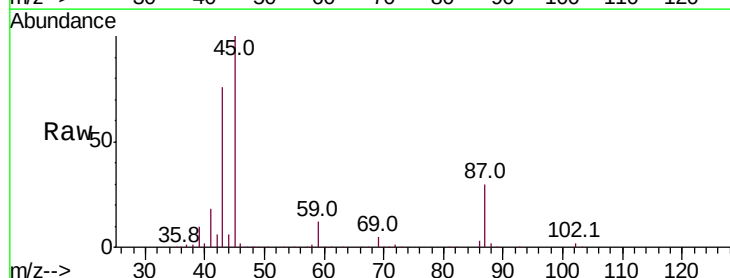
Ion Ratio Lower Upper

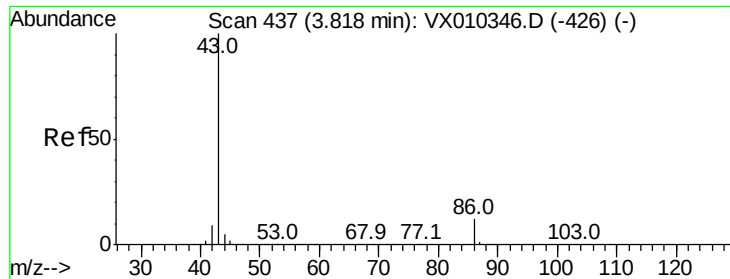
45 100

43 75.9 63.3 94.9

87 29.6 25.8 38.8

59 11.9 9.6 14.4





#23

Vinyl Acetate

Concen: 92.761 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion: 43 Resp: 492212

Ion Ratio Lower Upper

43 100

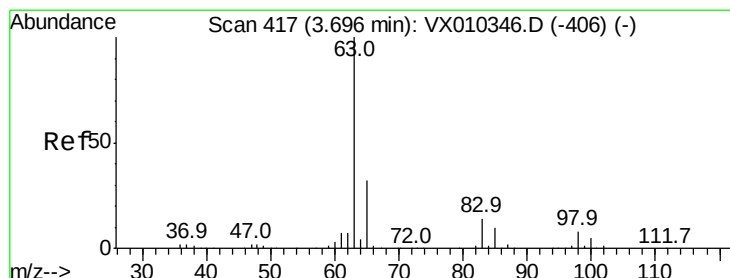
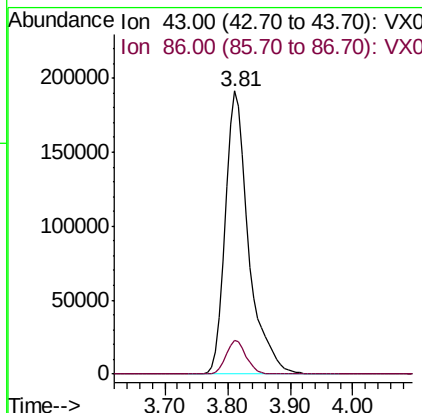
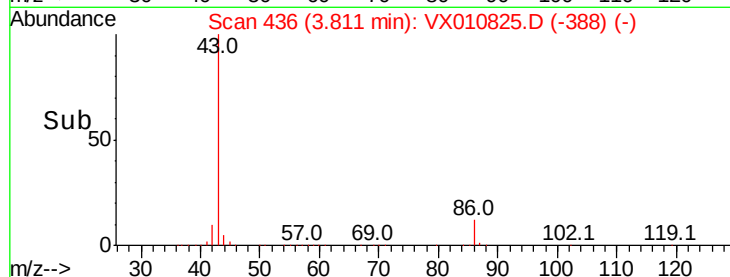
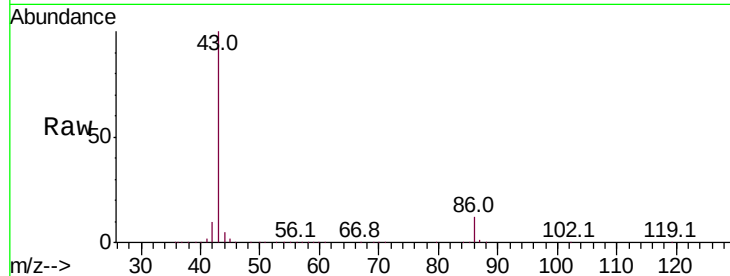
86 11.8 9.9 14.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.268 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

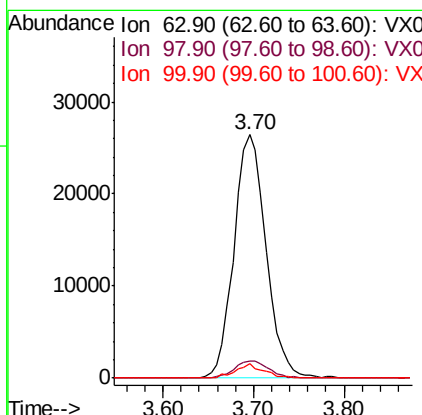
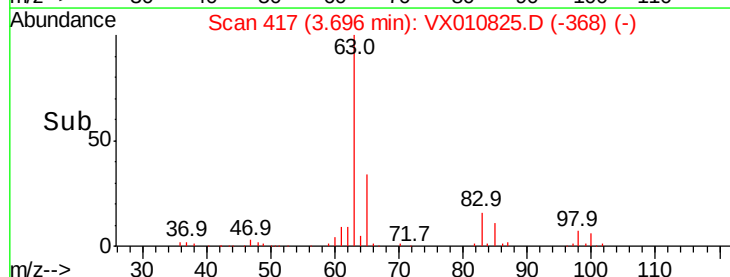
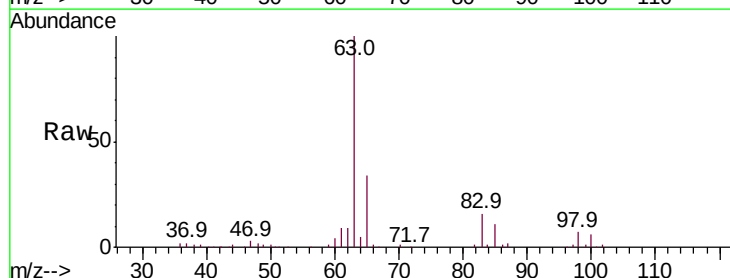
Tgt Ion: 63 Resp: 64858

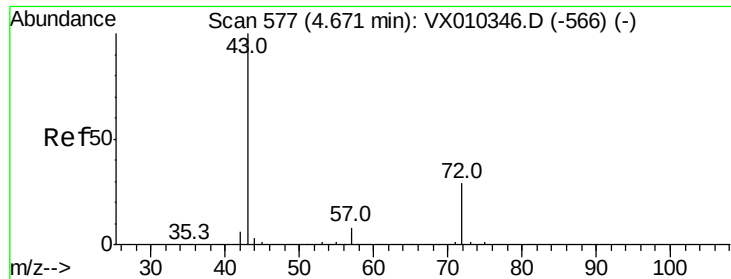
Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.7

100 5.7 2.4 7.1





#25

2-Butanone

Concen: 89.238 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion: 43 Resp: 146843

Ion Ratio Lower Upper

43 100

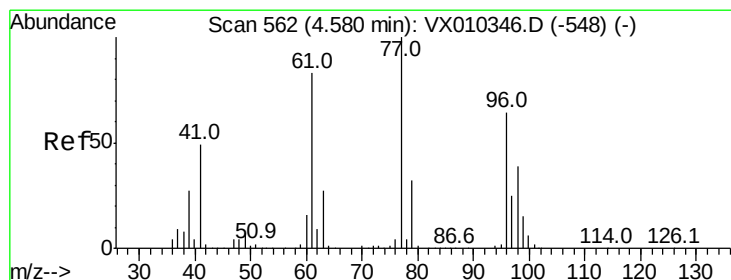
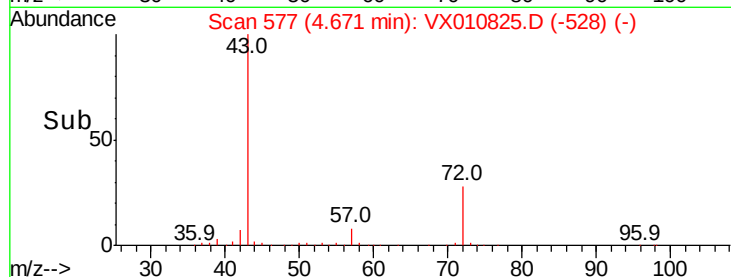
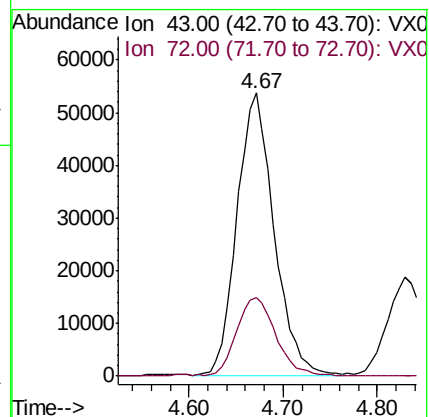
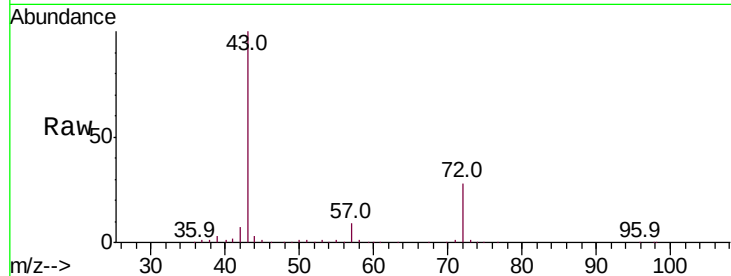
72 27.7 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.016 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX010825.D

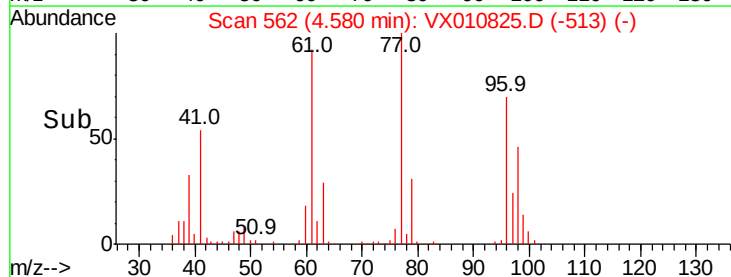
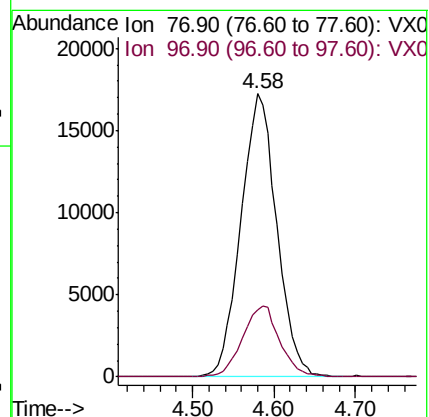
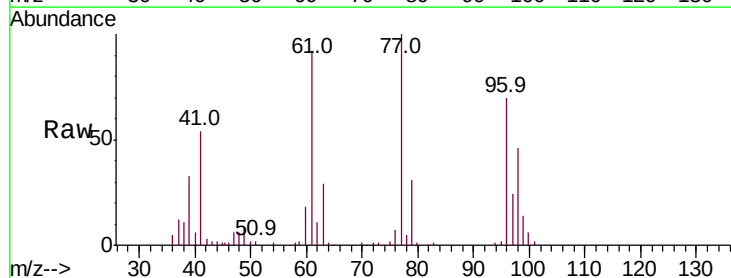
Acq: 12 Jul 2019 10:59

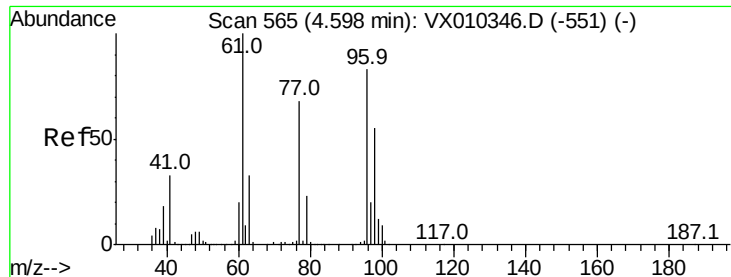
Tgt Ion: 77 Resp: 52482

Ion Ratio Lower Upper

77 100

97 26.0 13.1 39.3





#27

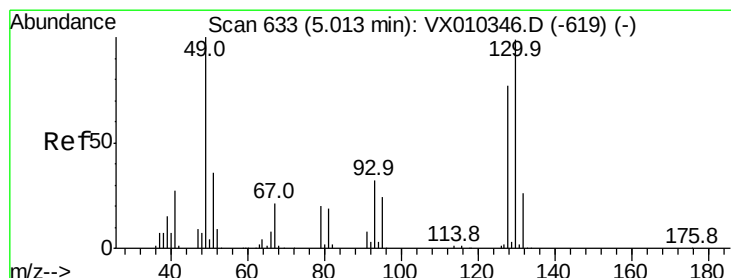
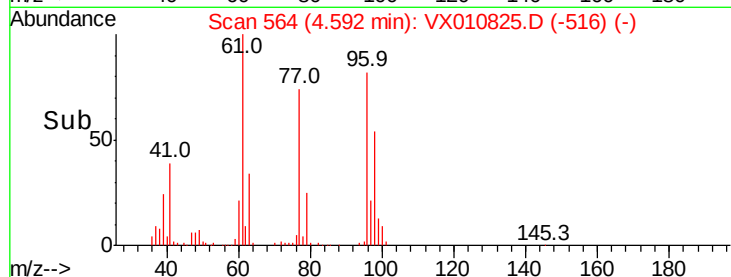
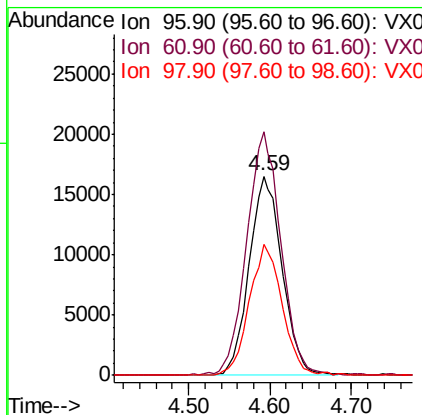
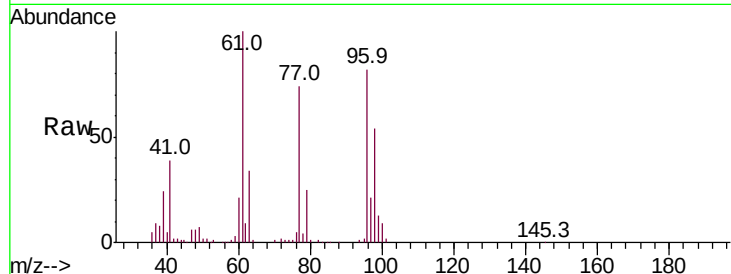
cis-1,2-Dichloroethene
 Concen: 18.154 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX010825.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.9	0.0	251.8
98	64.9	0.0	129.4

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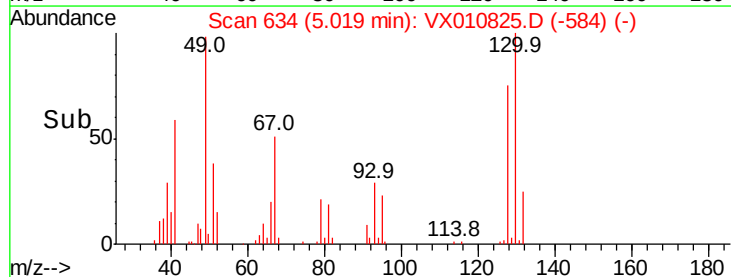
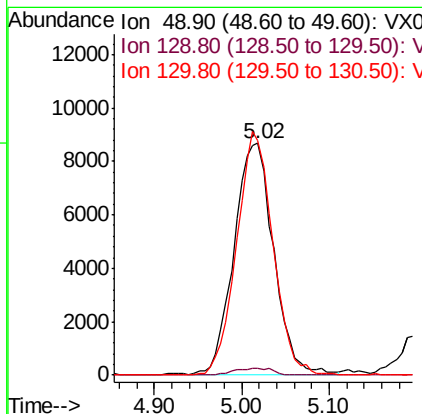
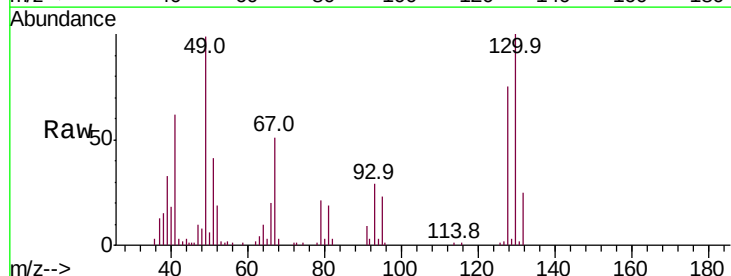
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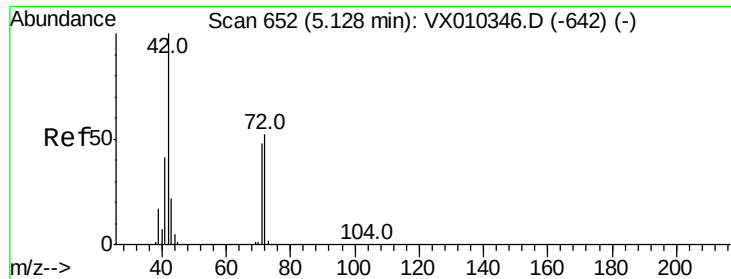


#28

Bromochloromethane
 Concen: 16.177 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX010825.D
 Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.6
130	96.0	81.4	122.0





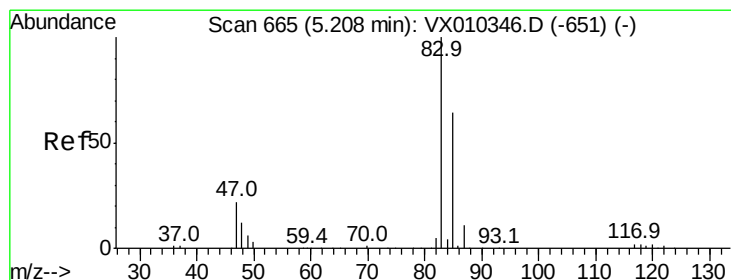
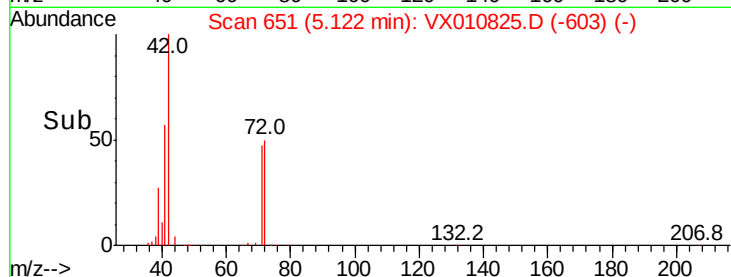
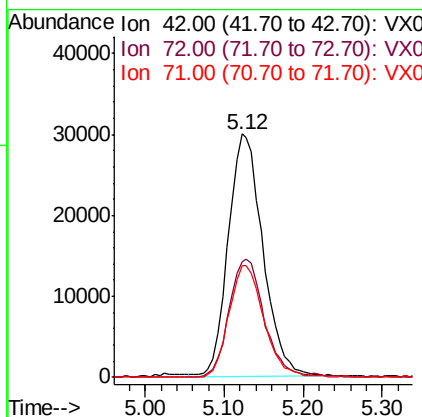
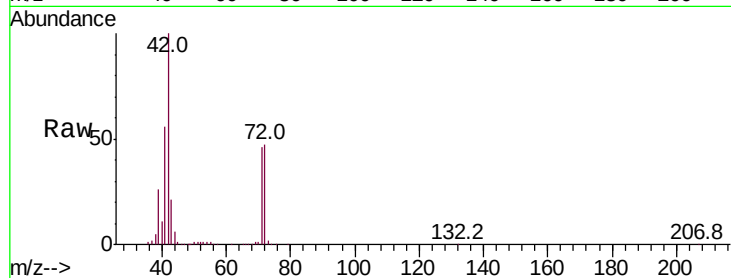
#29
Tetrahydrofuran
Concen: 89.570 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.6	40.6	60.8
71	46.6	37.8	56.8

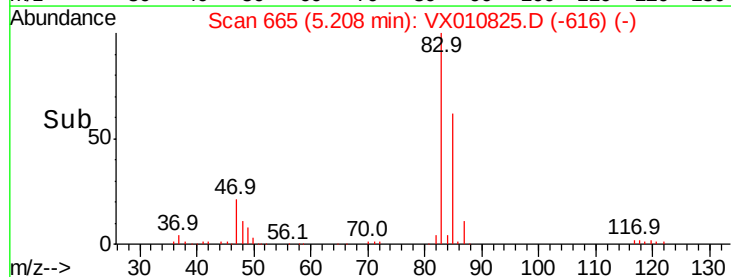
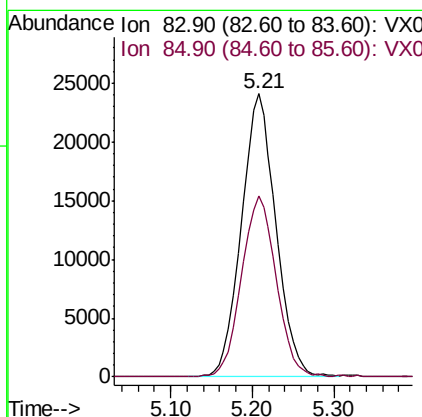
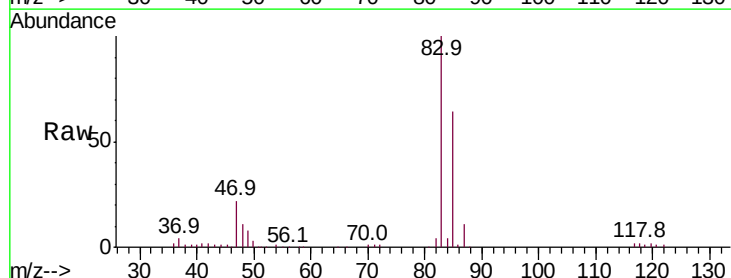
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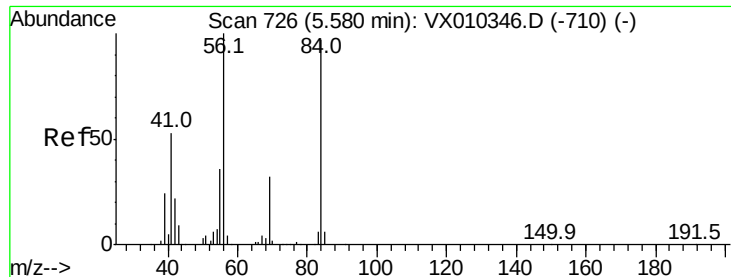
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#30
Chloroform
Concen: 18.525 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3





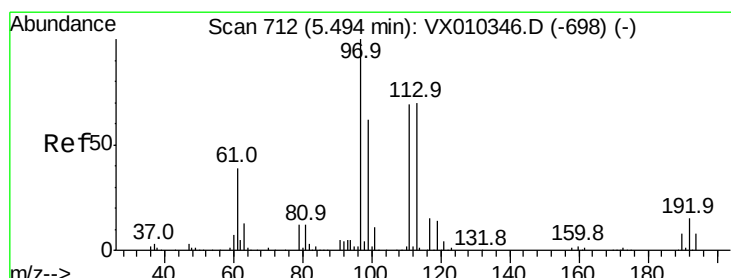
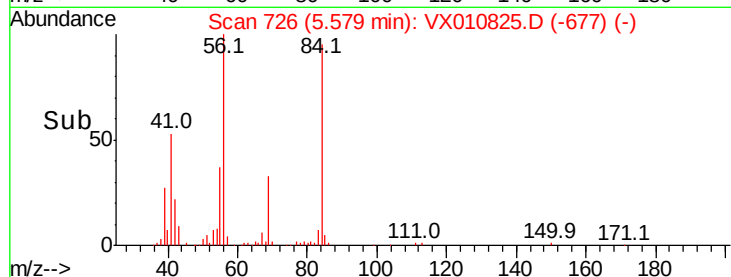
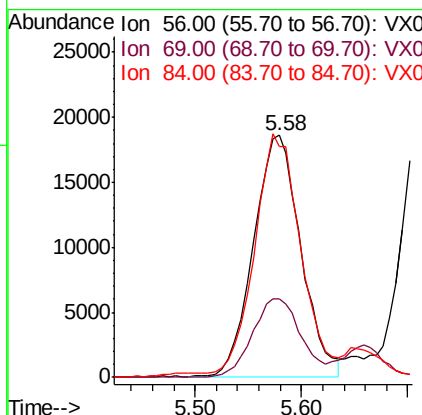
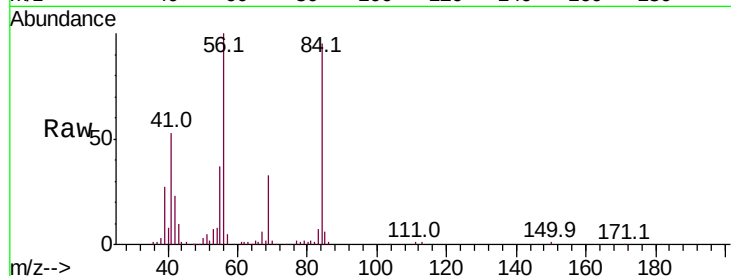
#31
Cyclohexane
Concen: 17.672 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	25.9	38.9
84	93.9	78.0	117.0

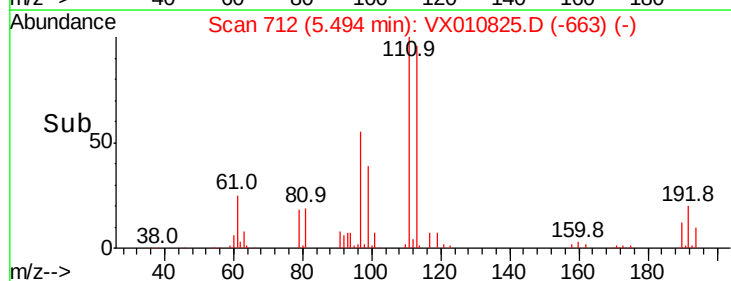
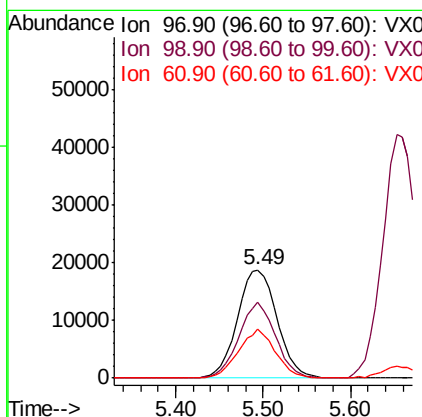
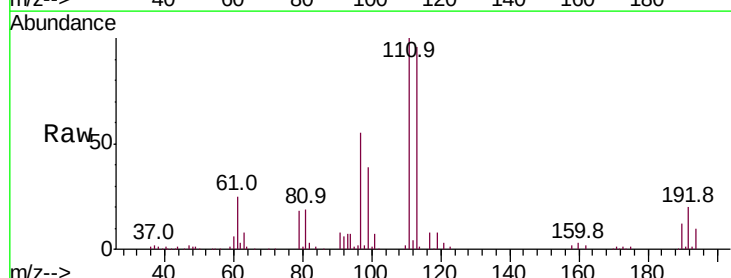
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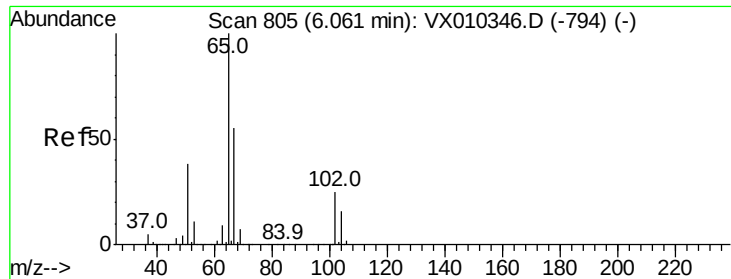
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7/15/2019 11:00:21 AM



#32
1,1,1-Trichloroethane
Concen: 17.480 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.8	77.8
61	42.7	32.1	48.1





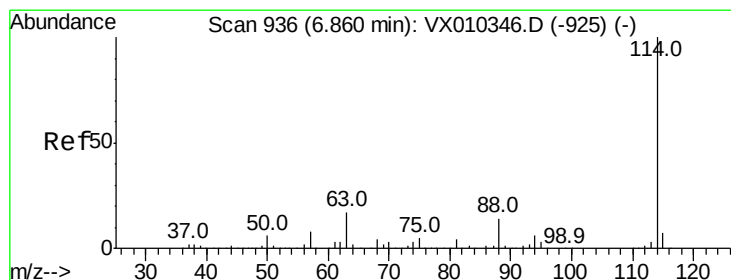
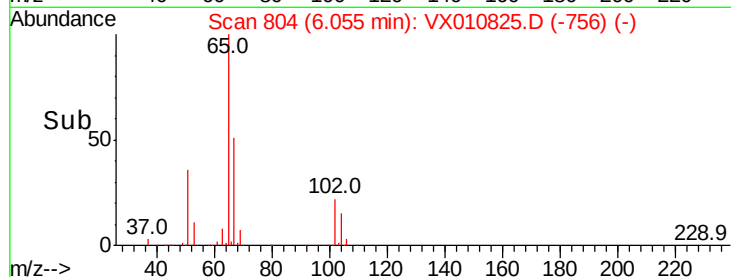
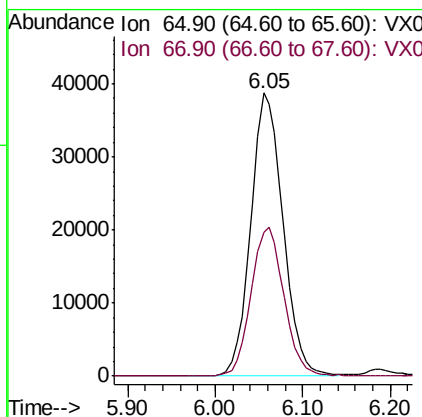
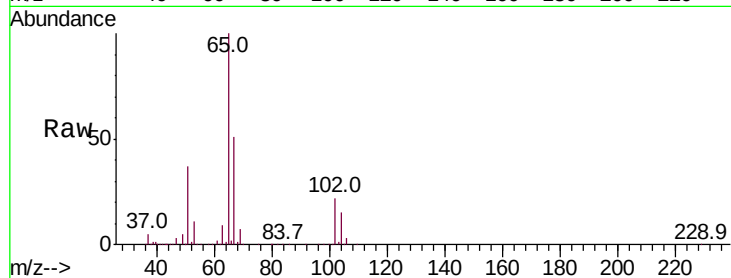
#33
 1,2-Dichloroethane-d4
 Concen: 44.378 ug/l
 RT: 6.05 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX010825.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	110.2

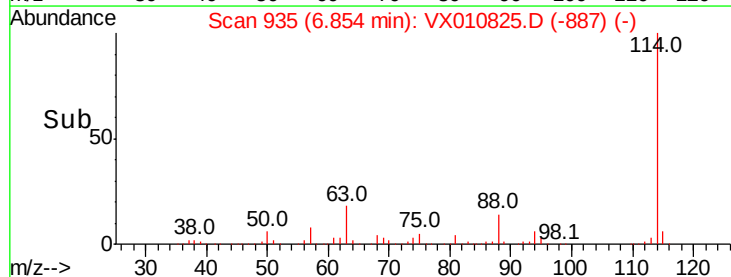
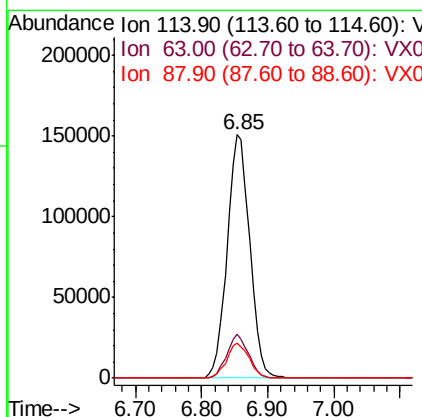
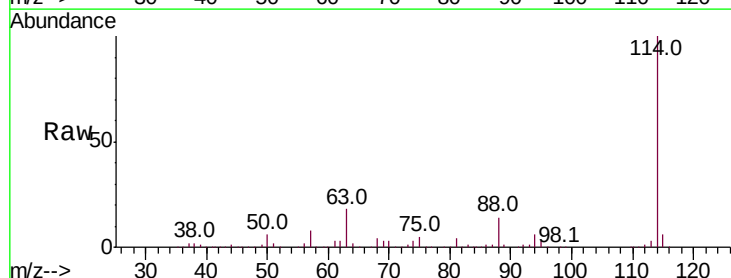
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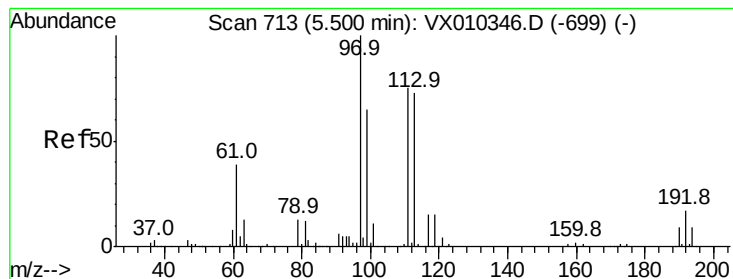
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010825.D
 Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	33.8
88	14.5	0.0	27.6





#35

Dibromofluoromethane

Concen: 43.621 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

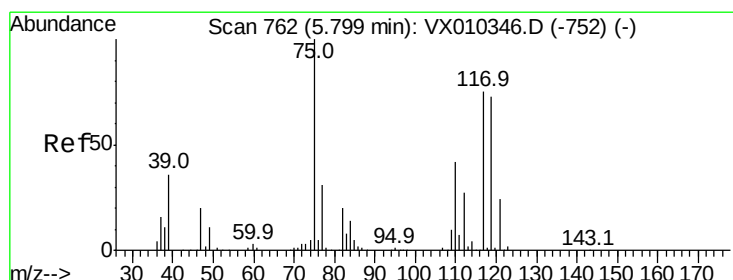
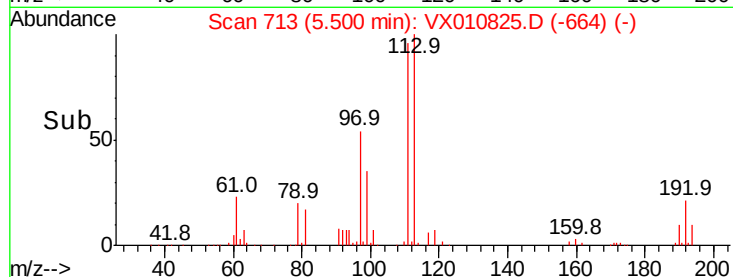
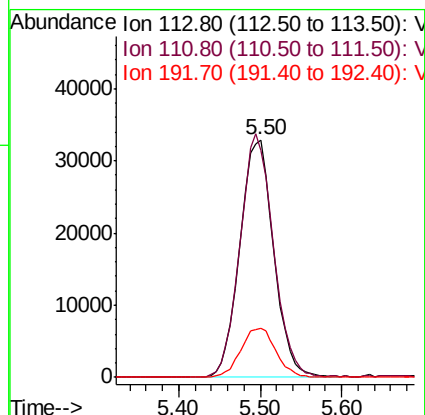
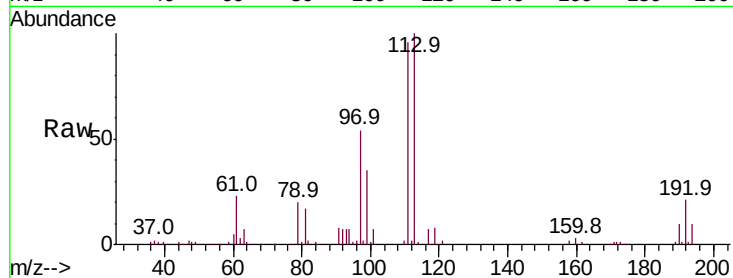
ClientSampleId :

VX0712WBS01

Tot Ion:	113	Resp:	95084
Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.2	121.8
192	21.5	18.6	27.8

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#36

1,1-Dichloropropene

Concen: 17.572 ug/l

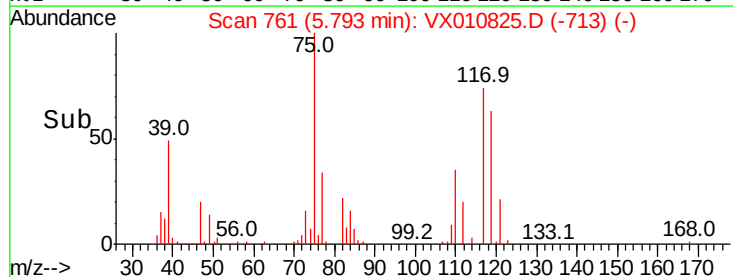
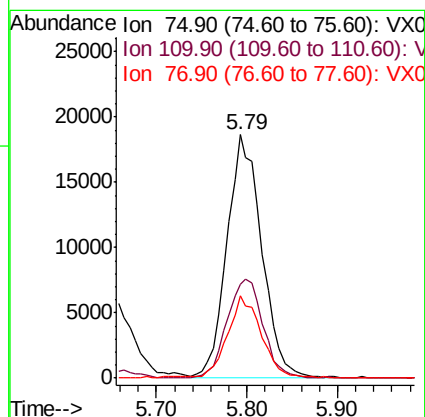
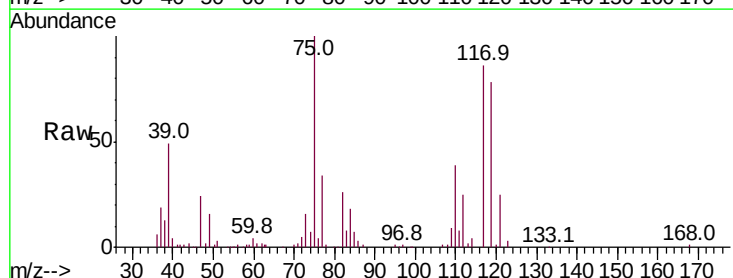
RT: 5.79 min Scan# 761

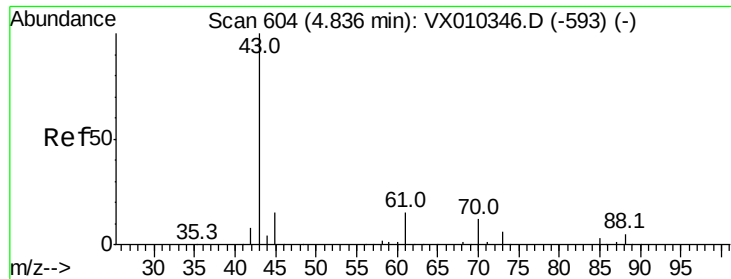
Delta R.T. -0.01 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Tgt Ion:	75	Resp:	49747
Ion	Ratio	Lower	Upper
75	100		
110	42.1	20.8	62.2
77	33.0	25.4	38.0





#37

Ethyl Acetate

Concen: 18.095 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion: 43 Resp: 52702

Ion Ratio Lower Upper

43 100

61 16.7 12.4 18.6

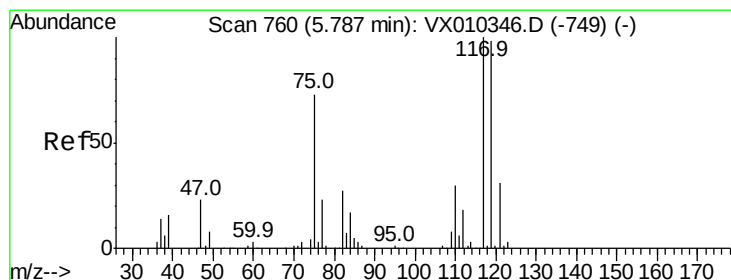
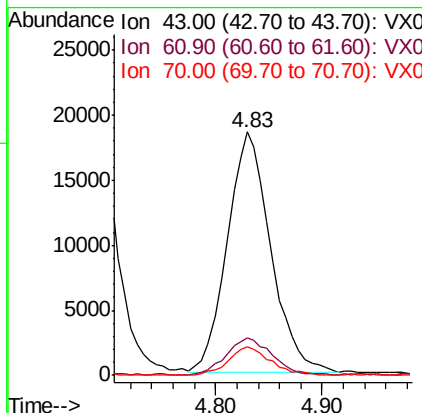
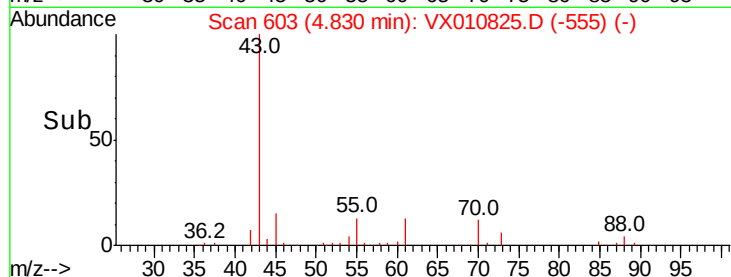
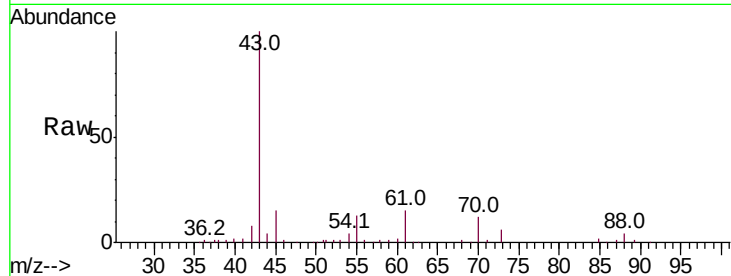
70 11.6 9.8 14.8

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#38

Carbon Tetrachloride

Concen: 16.933 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

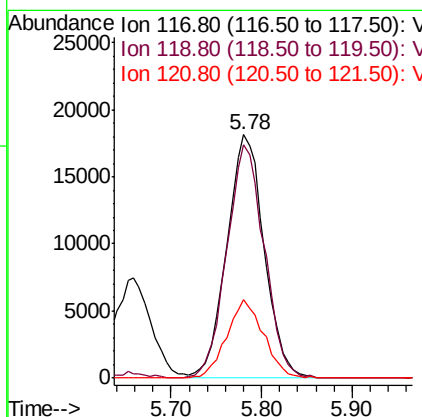
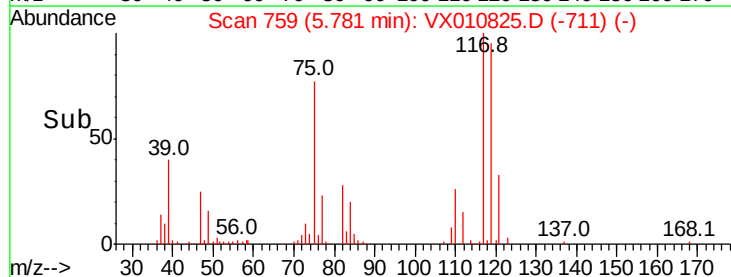
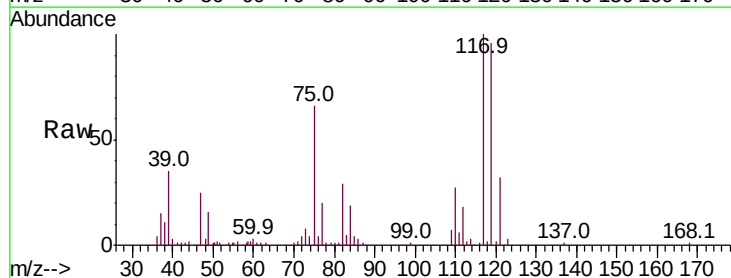
Tgt Ion: 117 Resp: 51912

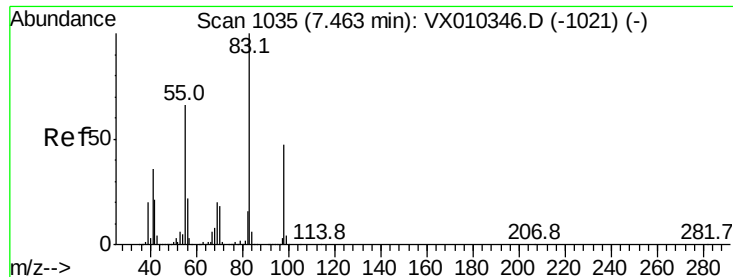
Ion Ratio Lower Upper

117 100

119 95.8 78.2 117.4

121 32.3 24.7 37.1





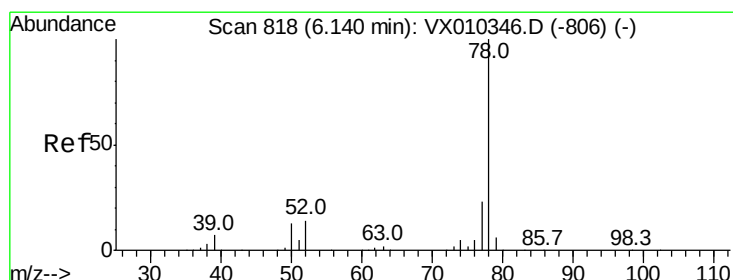
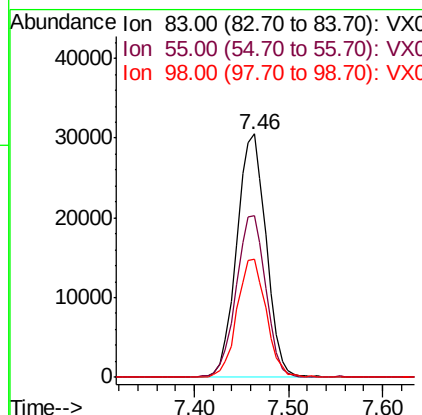
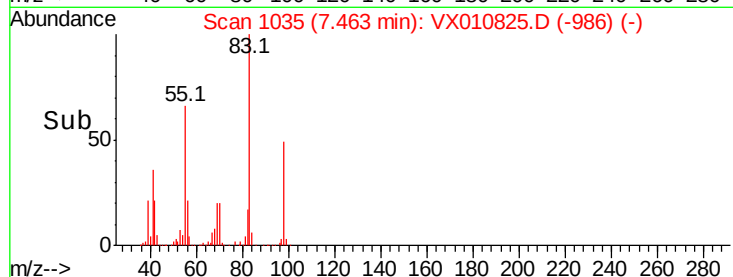
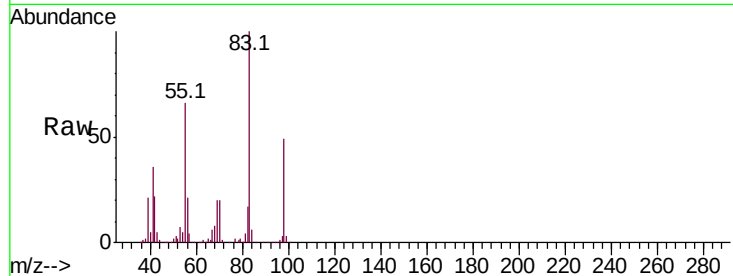
#39
Methylvlcyclohexane
Concen: 17.823 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	83	Resp	66324
Ion	Ratio	Lower	Upper
83	100		
55	66.2	53.0	79.6
98	48.6	37.8	56.8

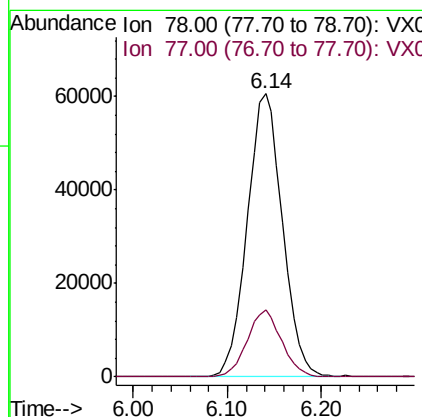
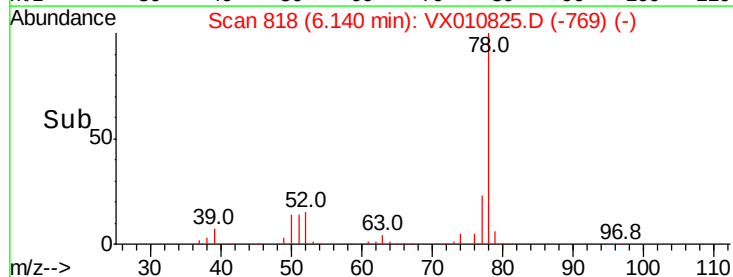
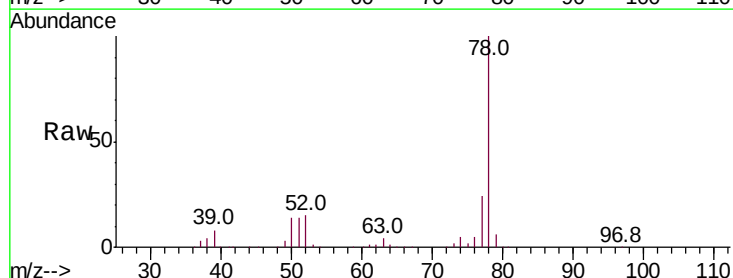
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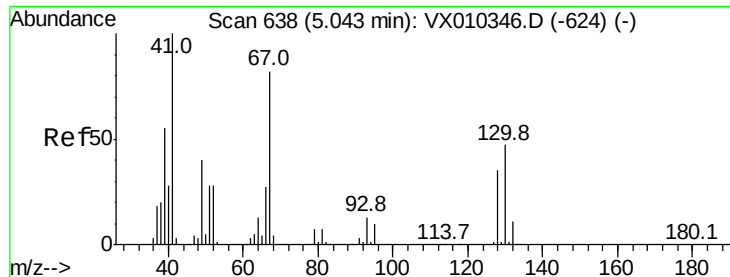
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#40
Benzene
Concen: 18.036 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Tgt Ion	78	Resp	159076
Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	28.0





#41

Methacrylonitrile

Concen: 17.813 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

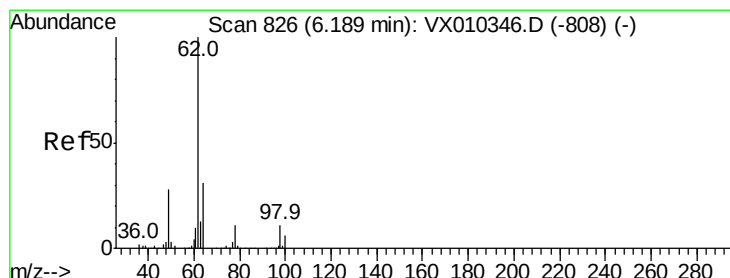
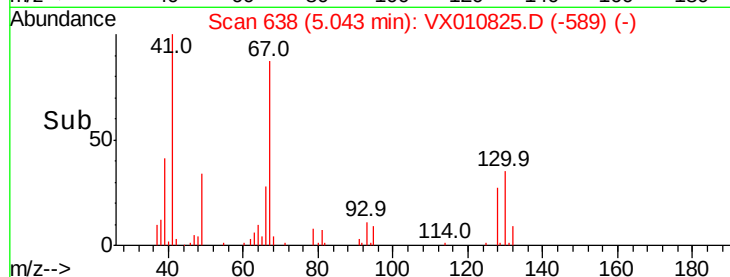
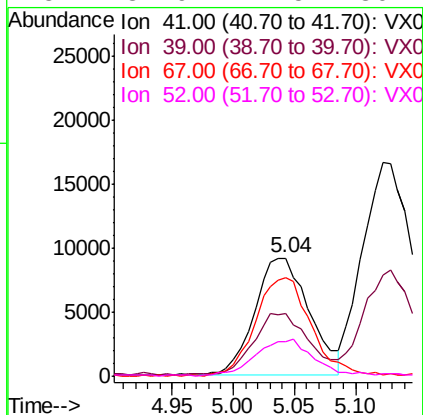
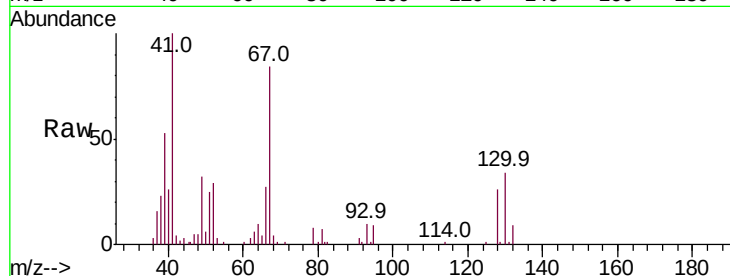
ClientSampled :

VX0712WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.0	43.8	65.8	
67	87.1	66.6	100.0	
52	32.9	24.5	36.7	

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#42

1,2-Dichloroethane

Concen: 19.730 ug/l

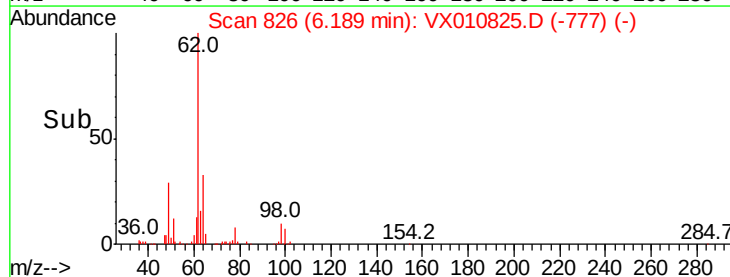
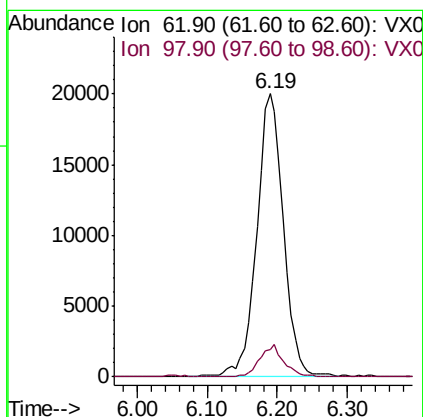
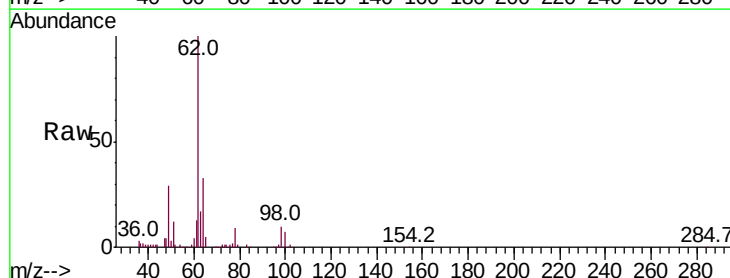
RT: 6.19 min Scan# 826

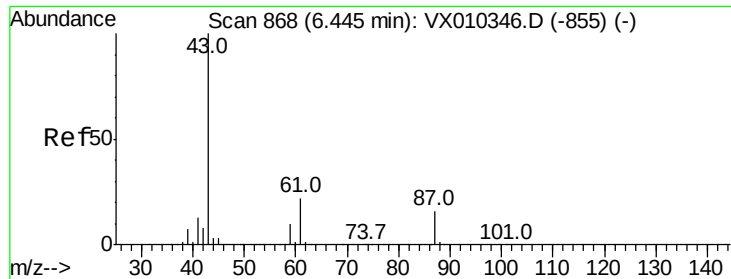
Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	22.2	





#43

Isopropyl Acetate

Concen: 17.808 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

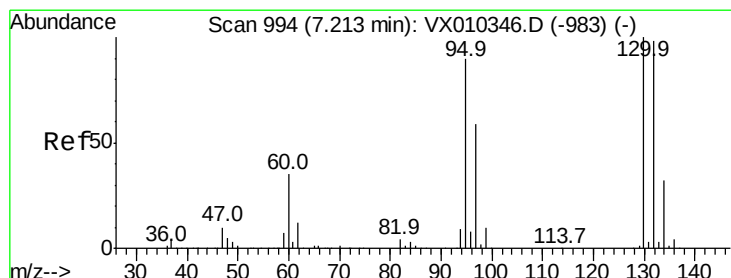
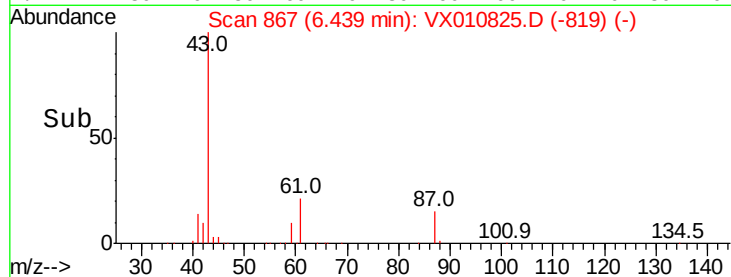
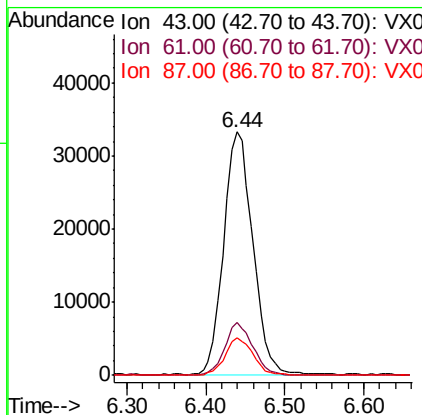
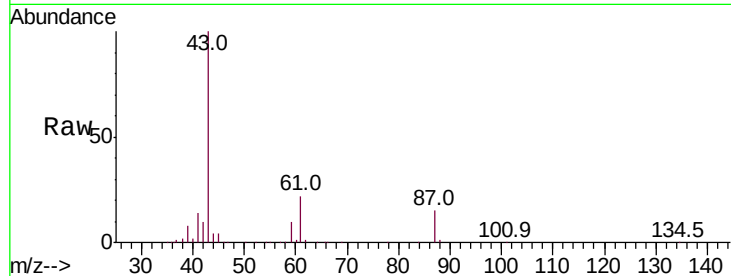
ClientSampleId :

VX0712WBS01

Tot Ion:	43	Resp:	85813
Ion Ratio	Lower	Upper	
43	100		
61	20.8	17.8	26.6
87	14.6	13.0	19.4

Manual Integrations
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7/15/2019 11:00:21 AM



#44

Trichloroethene

Concen: 17.412 ug/l

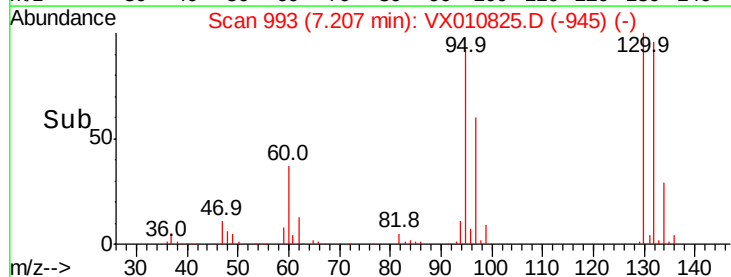
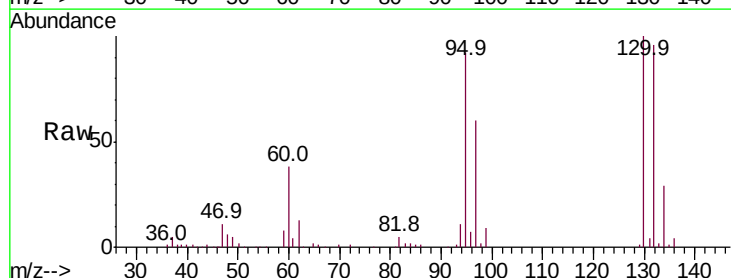
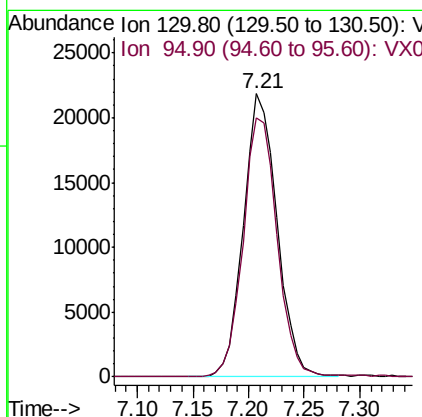
RT: 7.21 min Scan# 993

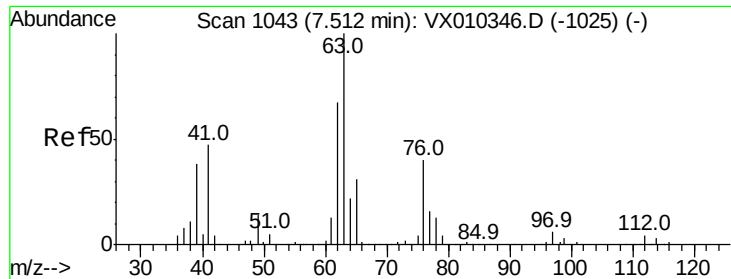
Delta R.T. -0.01 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Tgt Ion:	130	Resp:	45955
Ion Ratio	Lower	Upper	
130	100		
95	91.7	0.0	180.8





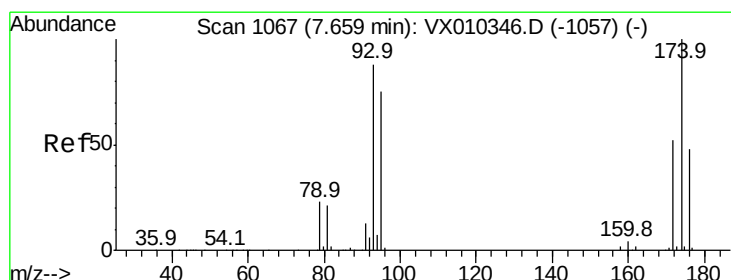
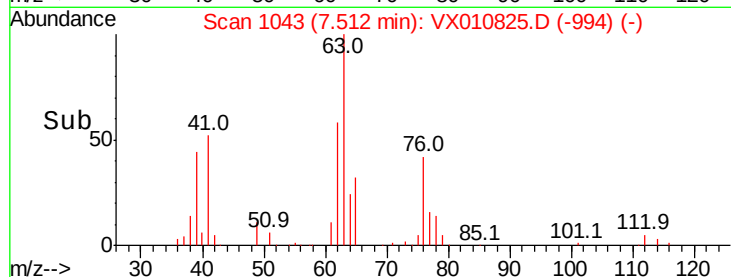
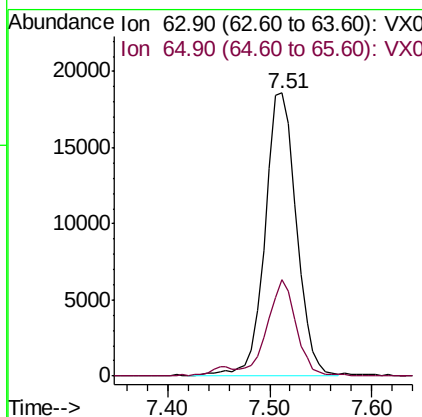
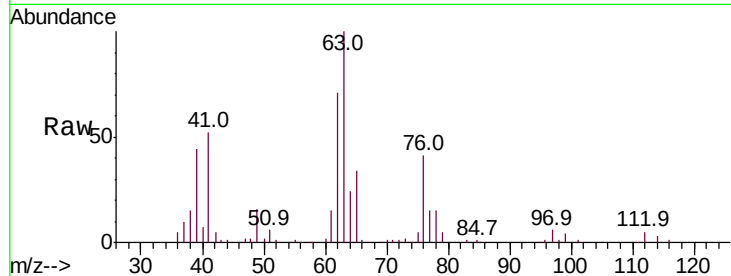
#45
 1,2-Dichloropropane
 Concen: 17.565 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010825.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.8	24.8	37.2

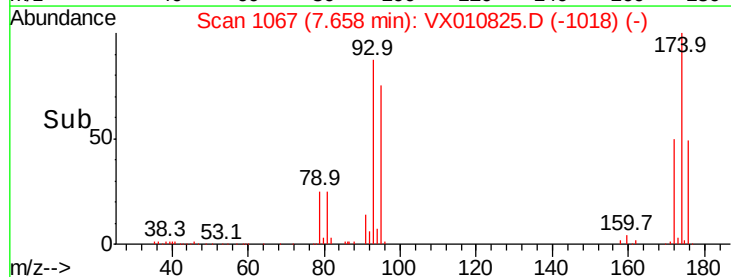
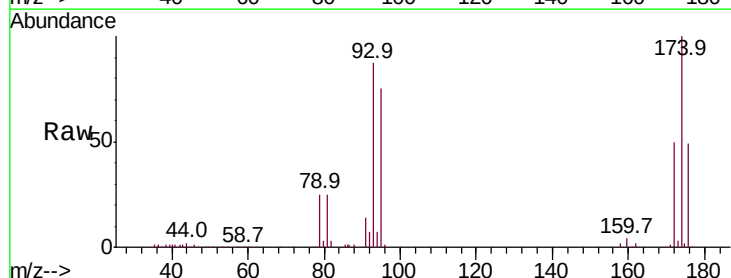
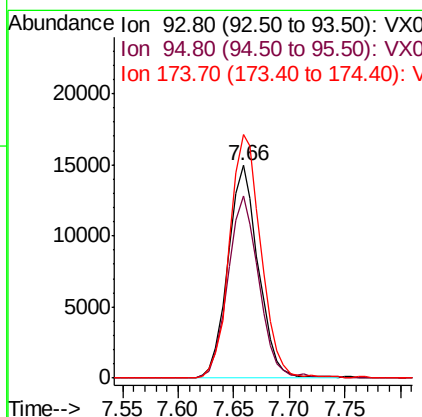
Manual Integrations
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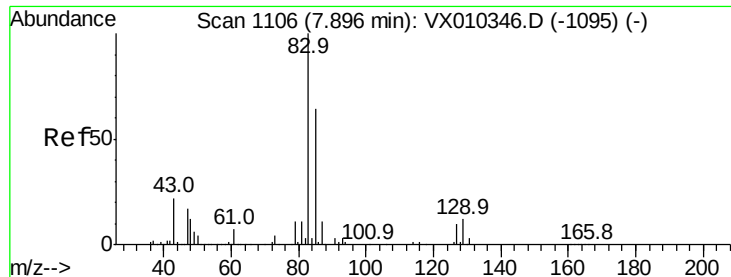
MMDadoda
 7/15/2019 11:00:21 AM



#46
 Dibromomethane
 Concen: 17.760 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010825.D
 Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	87.0	67.5	101.3
174	117.5	95.8	143.6





#47

Bromodichloromethane

Concen: 17.375 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

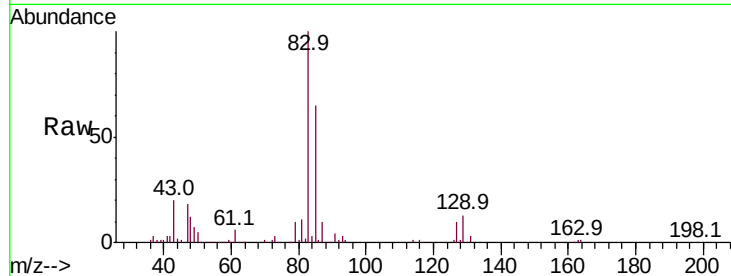
ClientSampleId :

VX0712WBS01

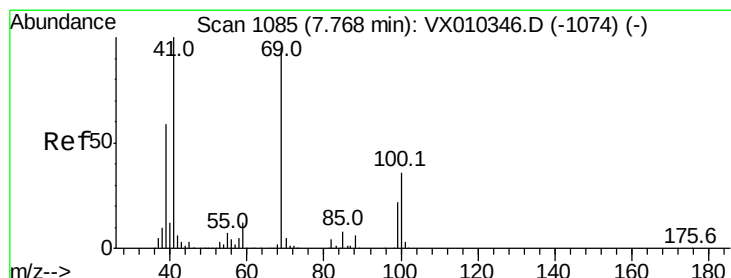
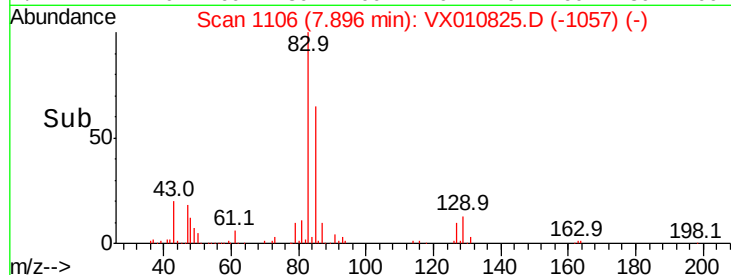
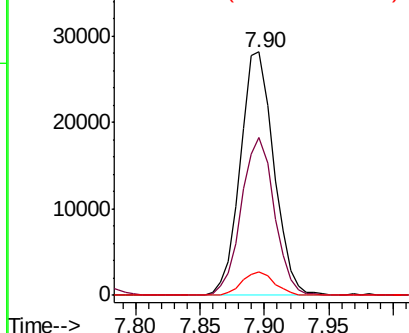
Tot Ion:	83	Resp:	50885
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.5	77.3
127	9.8	7.8	11.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.574 ug/l

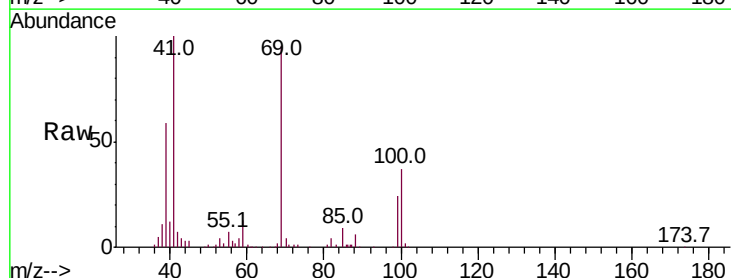
RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

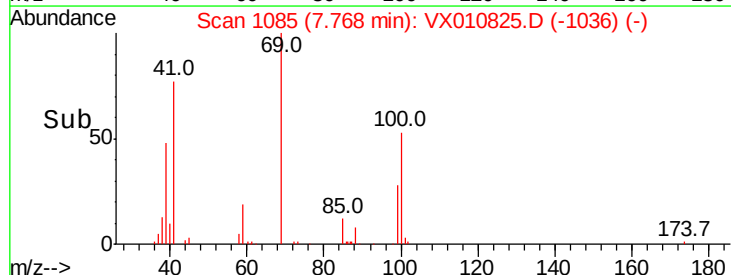
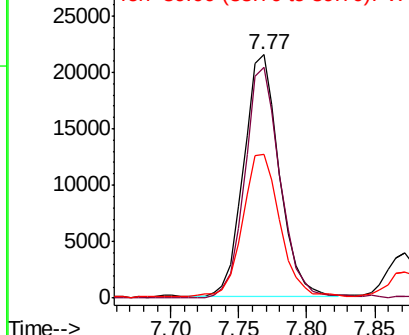
Lab File: VX010825.D

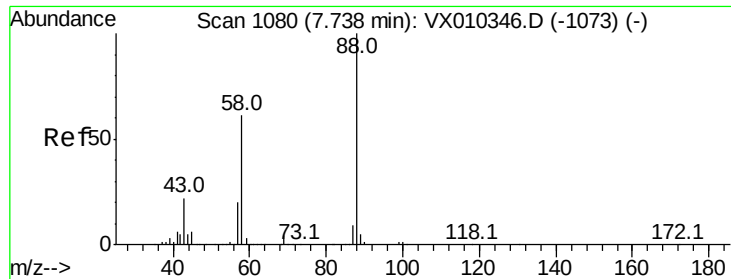
Acq: 12 Jul 2019 10:59

Tgt Ion:	41	Resp:	39363
Ion	Ratio	Lower	Upper
41	100		
69	95.4	76.1	114.1
39	60.9	47.6	71.4



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





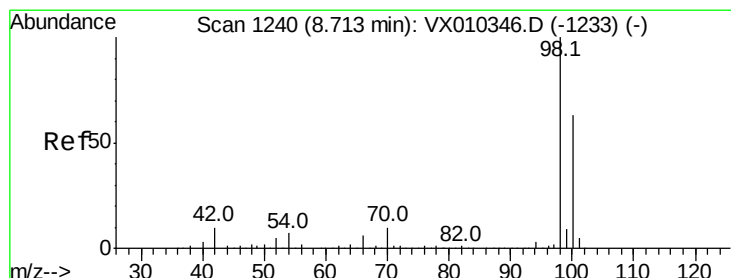
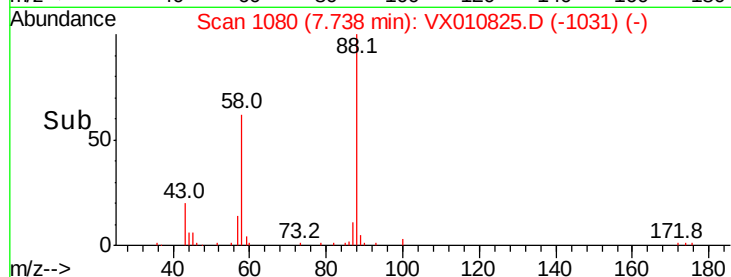
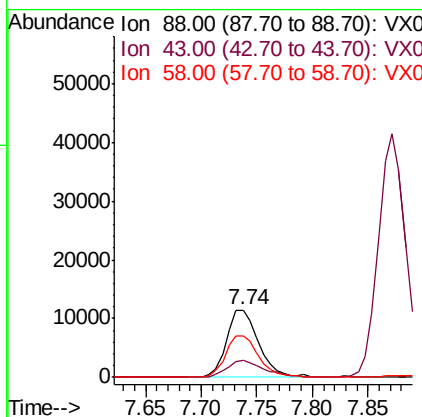
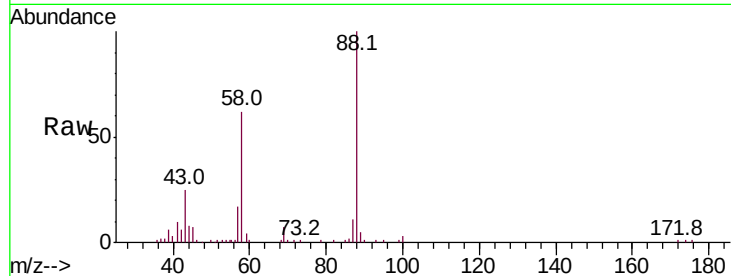
#49
 1,4-Dioxane
 Concen: 360.697 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX010825.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.0	20.2	30.2
58	63.6	49.5	74.3

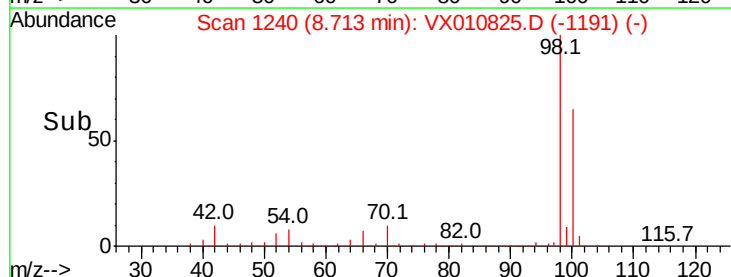
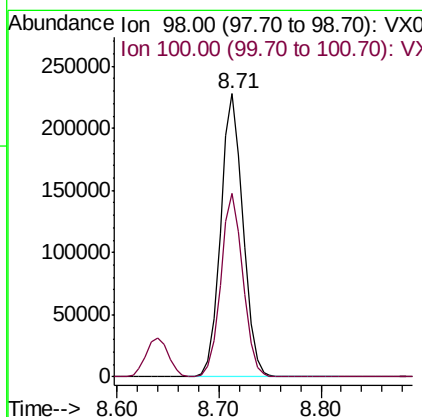
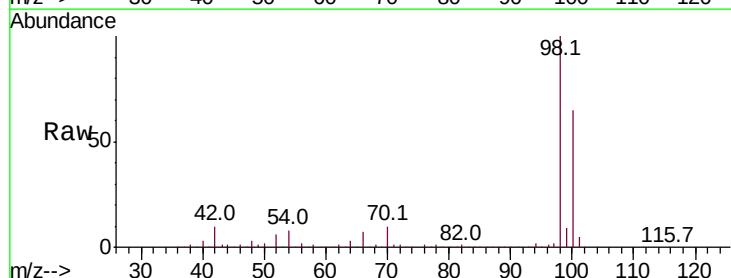
Manual Integrations
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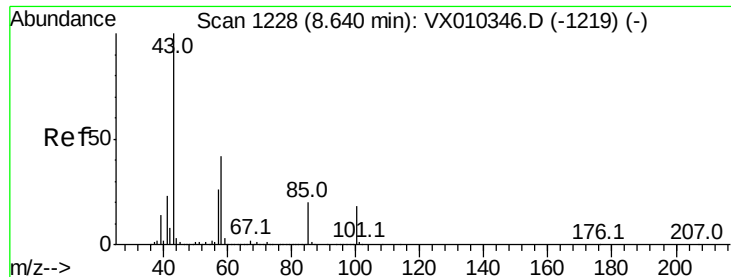
MMDadoda
 7/15/2019 11:00:21 AM



#50
 Toluene-d8
 Concen: 41.512 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX010825.D
 Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4





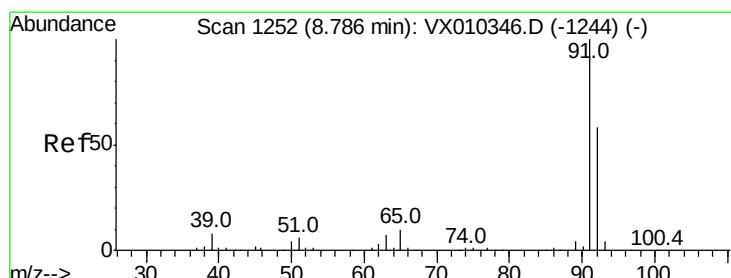
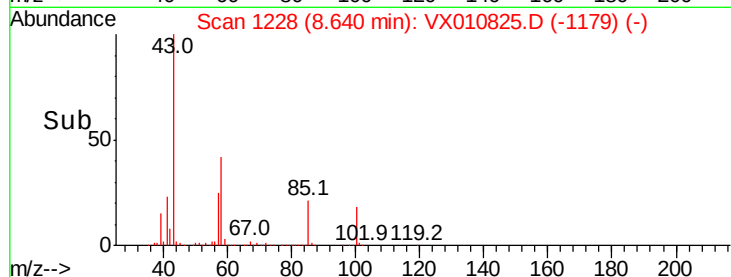
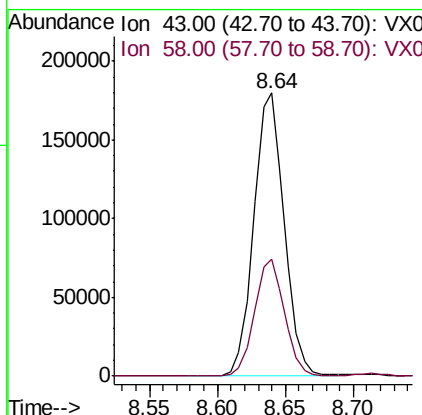
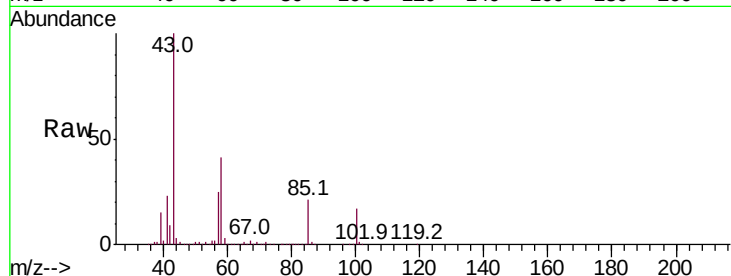
#51
4-Methyl-2-Pentanone
Concen: 91.408 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.7	33.5	50.3

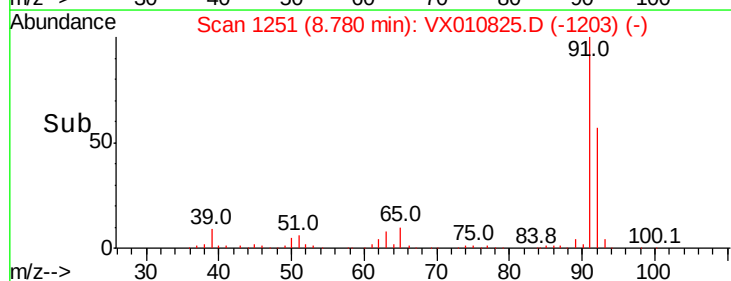
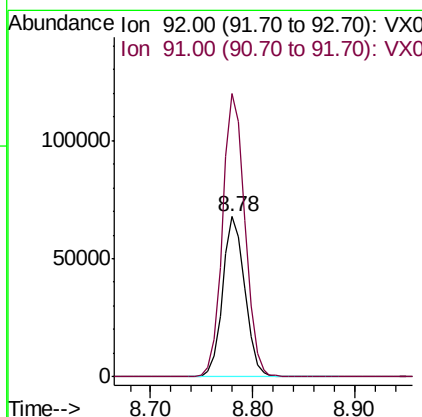
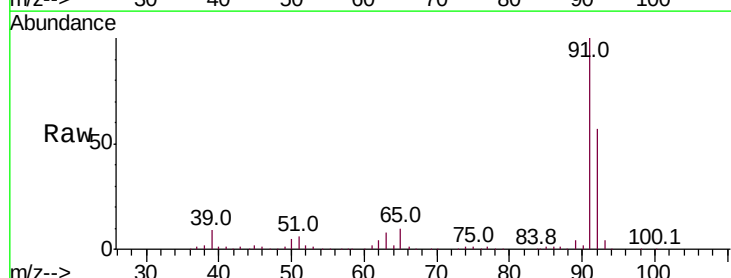
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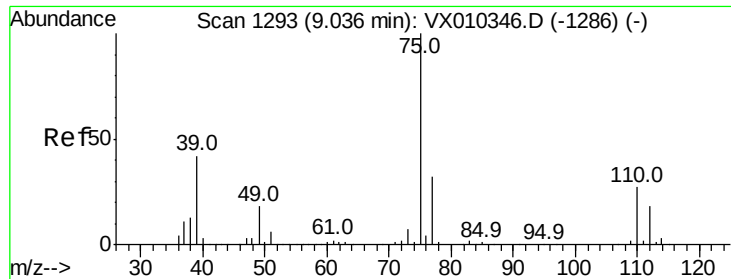
MMDadoda
7/15/2019 11:00:21 AM



#52
Toluene
Concen: 17.679 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.9	139.8	209.6





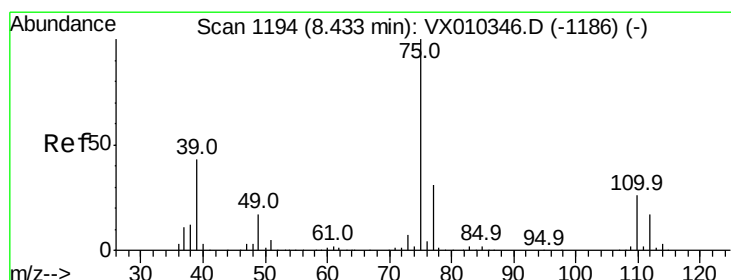
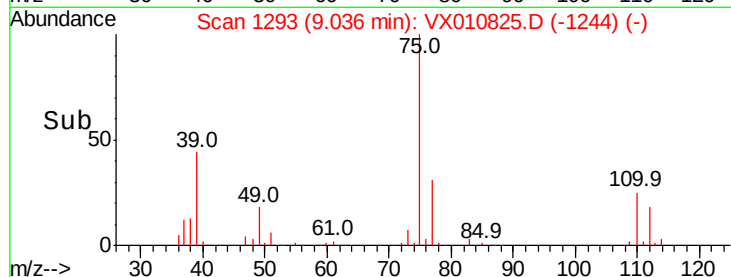
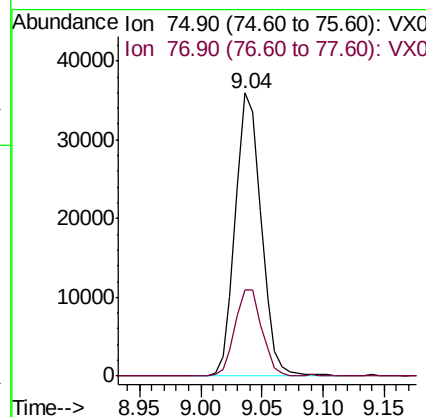
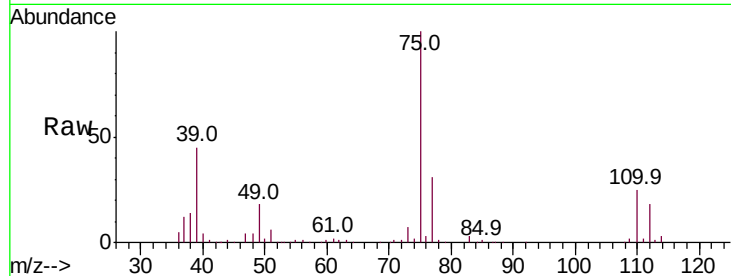
#53
 t-1,3-Dichloropropene
 Concen: 16.019 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.00 min
 Lab File: VX010825.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBS01

Tot Ion: 75 Resp: 52598
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.4 38.2

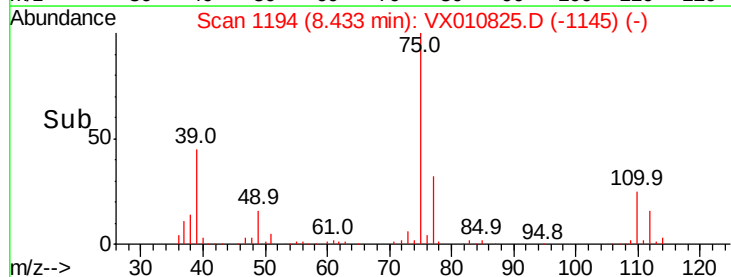
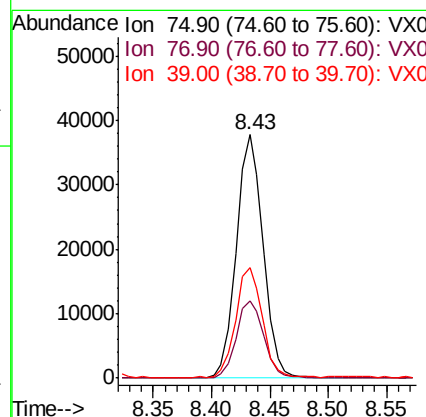
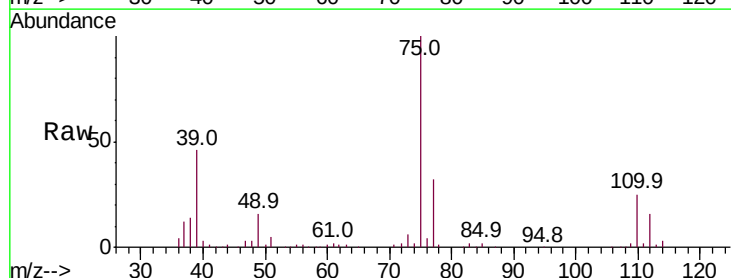
Manual Integrations
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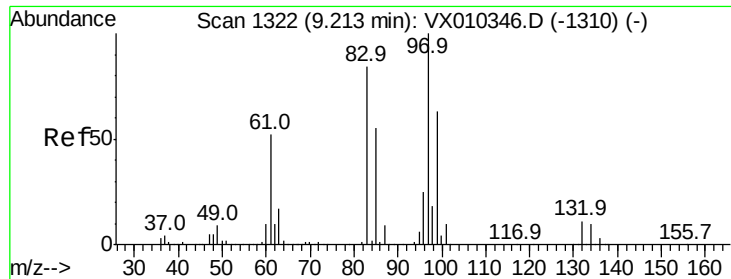
MMDadoda
 7/15/2019 11:00:21 AM



#54
 cis-1,3-Dichloropropene
 Concen: 16.916 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX010825.D
 Acq: 12 Jul 2019 10:59

Tgt Ion: 75 Resp: 60358
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.2 37.8
 39 45.1 34.5 51.7





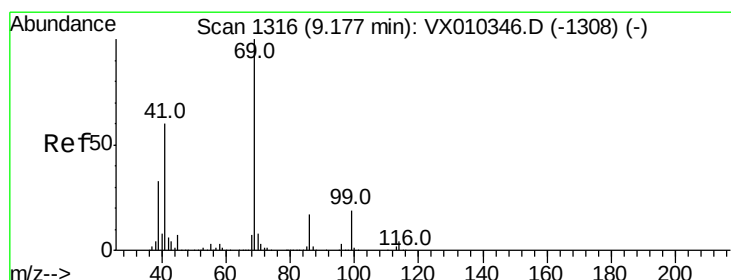
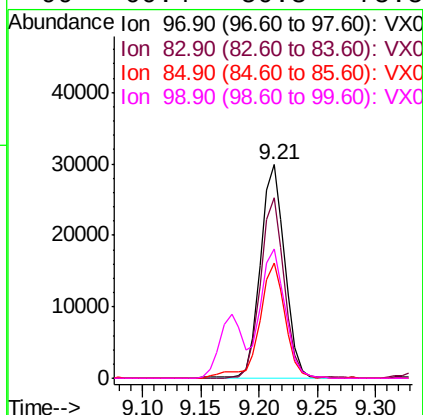
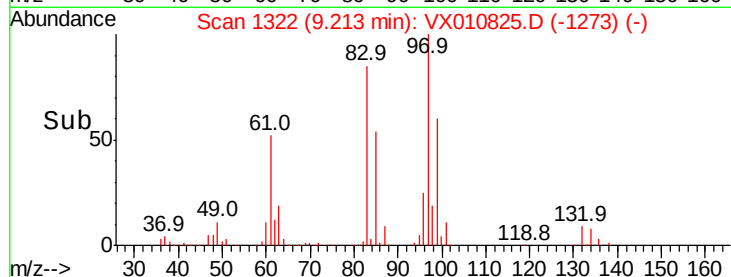
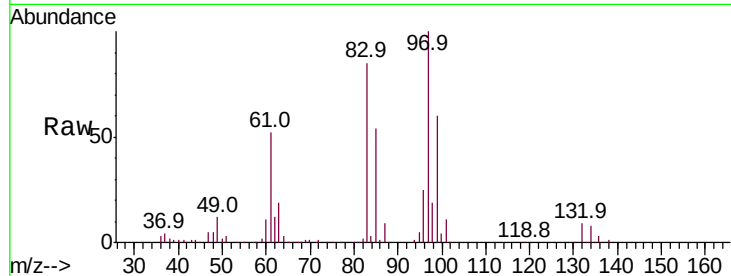
#55
 1,1,2-Trichloroethane
 Concen: 18.335 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010825.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBS01

Tot Ion:	97	Resp:	43921
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.4	101.0
85	53.9	43.8	65.8
99	60.4	50.3	75.5

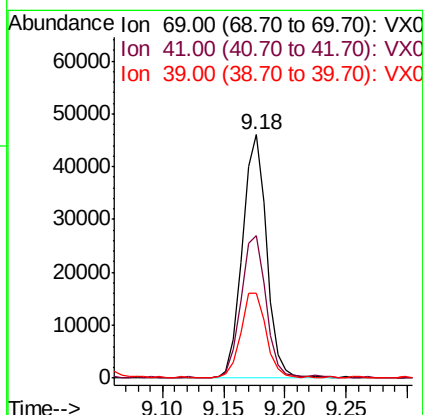
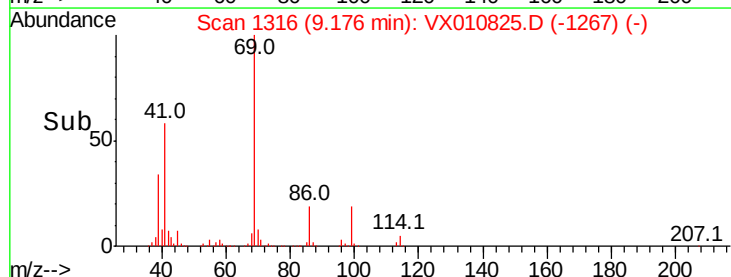
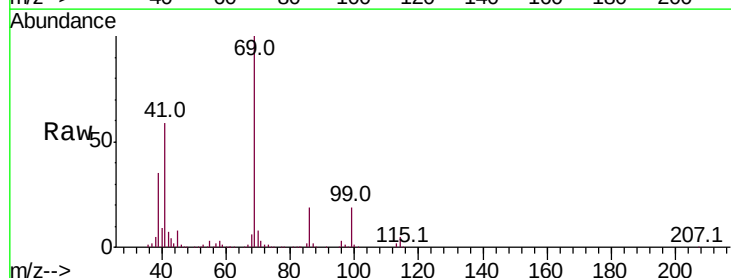
Manual Integrations
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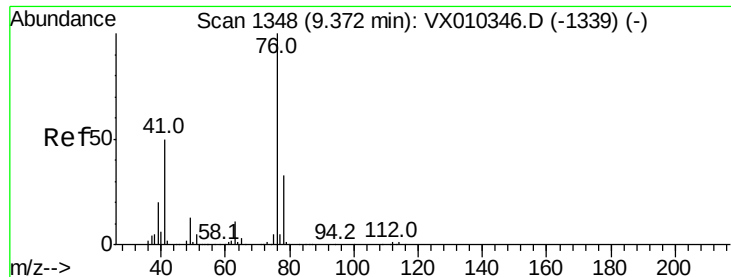
MMDadoda
 7/15/2019 11:00:21 AM



#56
 Ethyl methacrylate
 Concen: 17.399 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010825.D
 Acq: 12 Jul 2019 10:59

Tgt Ion:	69	Resp:	63137
Ion	Ratio	Lower	Upper
69	100		
41	59.5	47.1	70.7
39	35.8	26.6	40.0





#57

1,3-Dichloropropane

Concen: 18.310 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion: 76 Resp: 68086

Ion Ratio Lower Upper

76 100

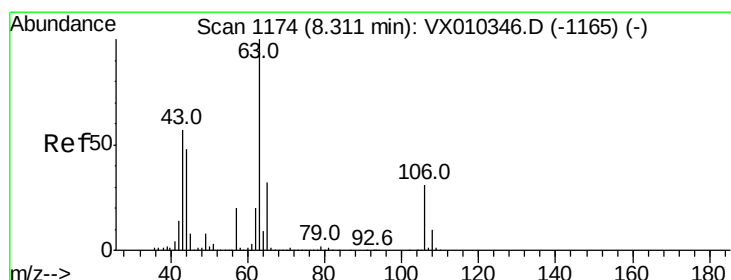
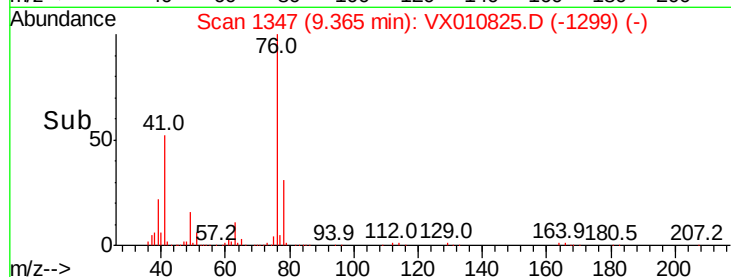
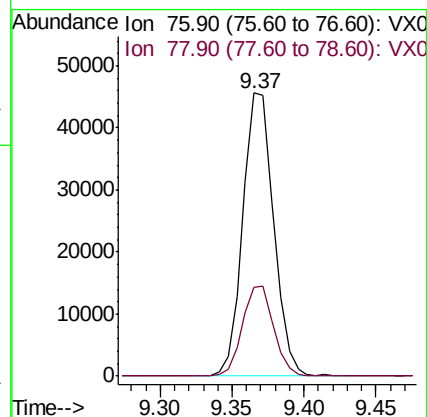
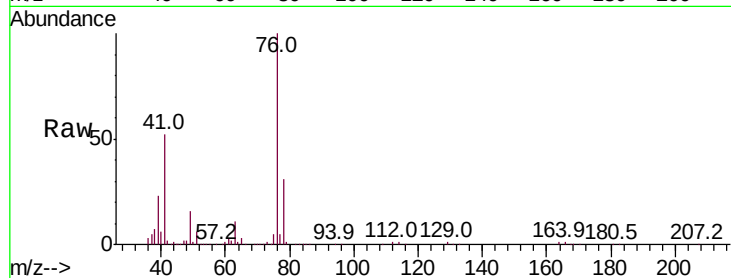
78 32.2 26.1 39.1

Manual Integrations

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7/15/2019 11:00:21 AM



#58

2-Chloroethyl Vinyl ether

Concen: 82.066 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010825.D

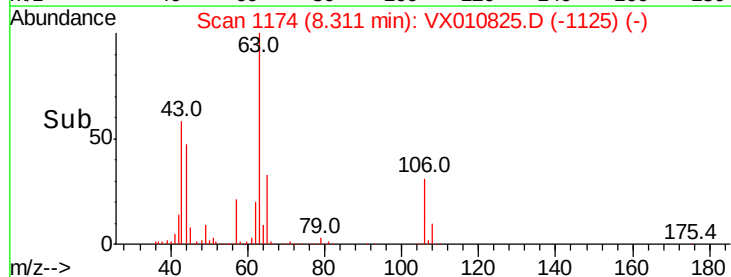
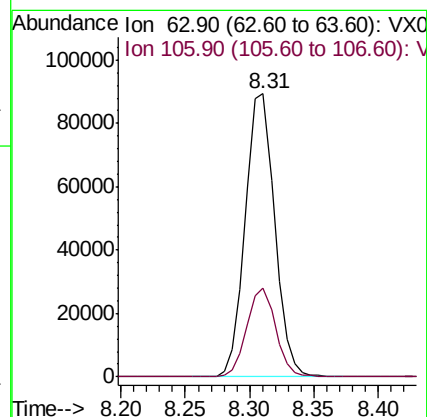
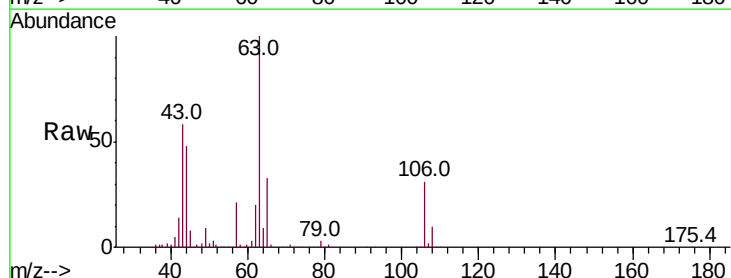
Acq: 12 Jul 2019 10:59

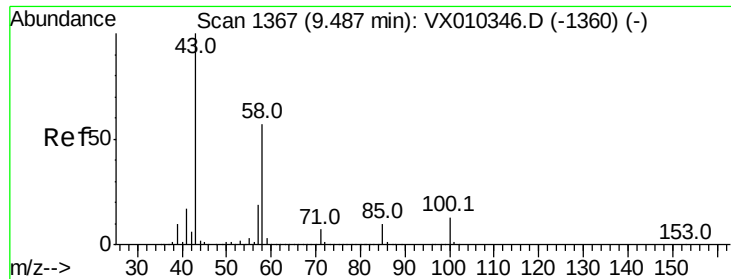
Tgt Ion: 63 Resp: 141436

Ion Ratio Lower Upper

63 100

106 30.7 24.7 37.1





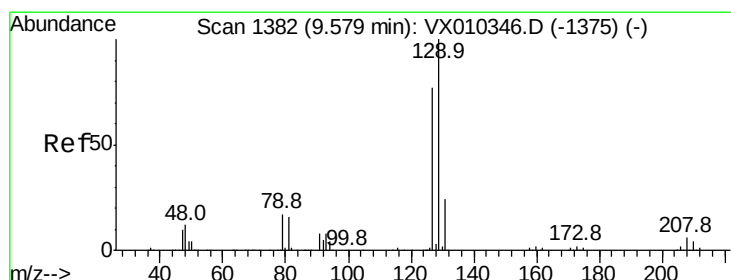
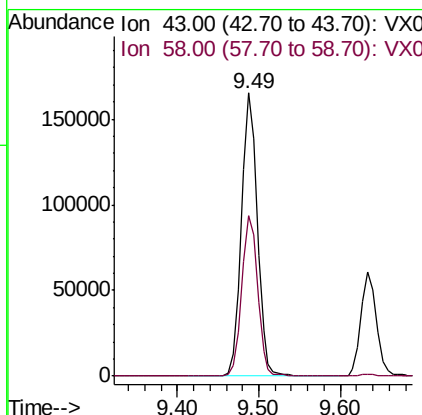
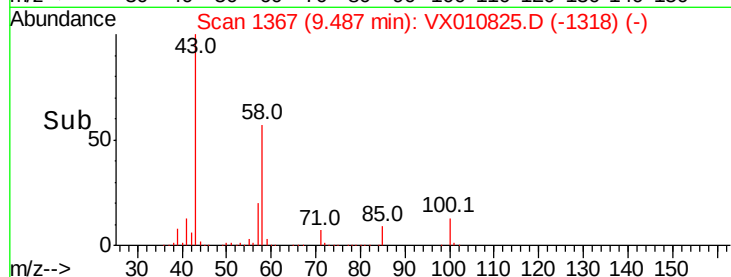
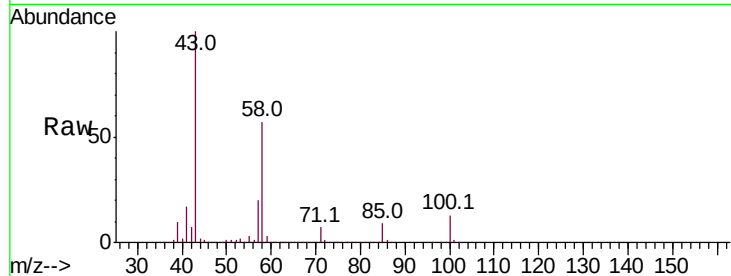
#59
2-Hexanone
Concen: 90.942 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion: 43 Resp: 220582
Ion Ratio Lower Upper
43 100
58 57.3 29.0 87.1

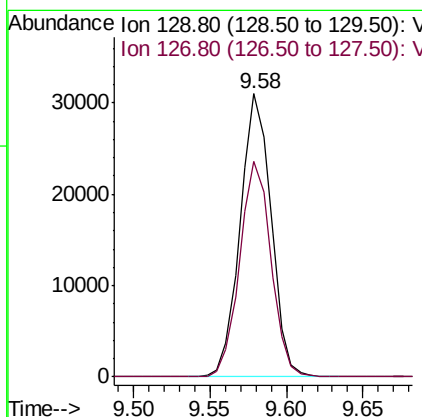
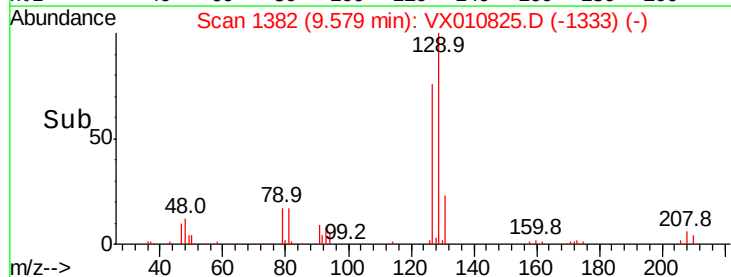
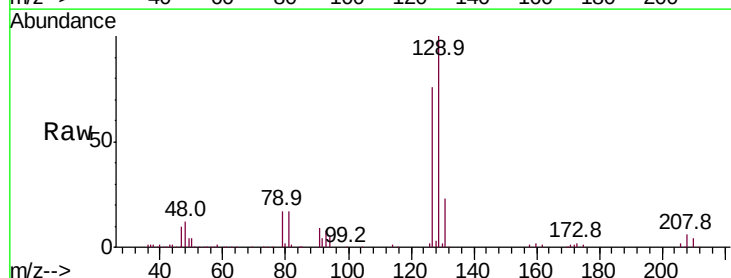
Manual Integrations
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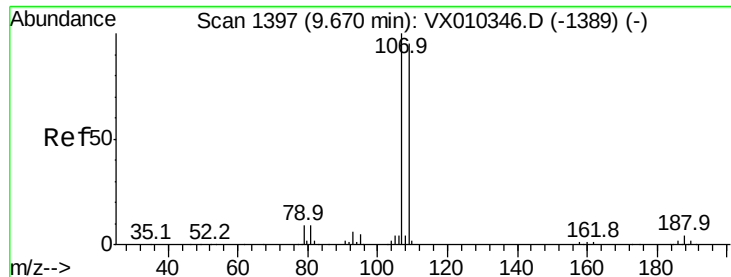
MMDadoda
7/15/2019 11:00:21 AM



#60
Dibromochloromethane
Concen: 16.261 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Tgt Ion: 129 Resp: 43615
Ion Ratio Lower Upper
129 100
127 76.7 38.4 115.1





#61

1,2-Dibromoethane

Concen: 17.454 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion:107 Resp: 45130

Ion Ratio Lower Upper

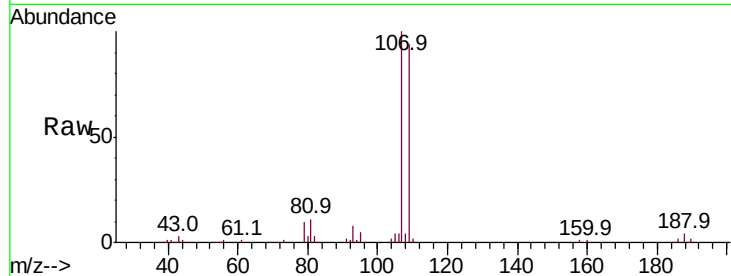
107 100

109 94.0 75.8 113.6

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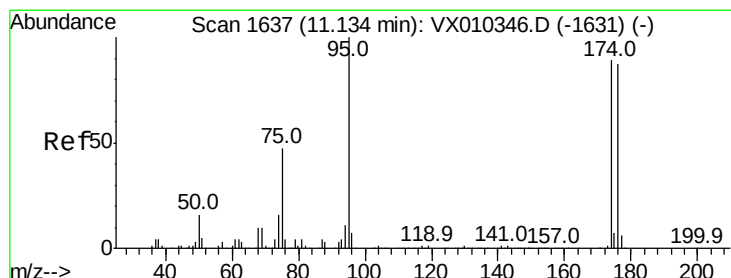
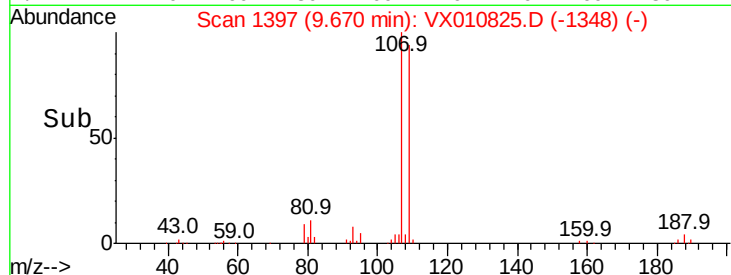
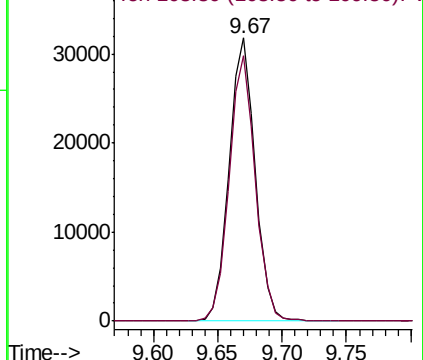
MMDadoda

7/15/2019 11:00:21 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 42.117 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

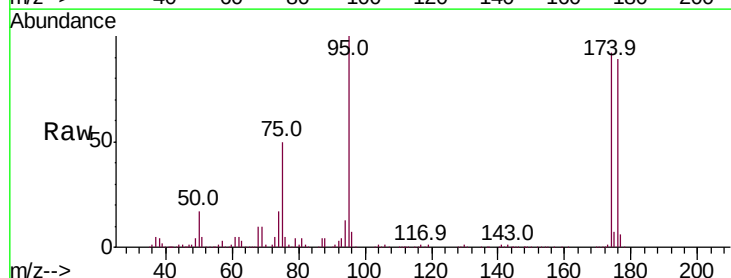
Tgt Ion: 95 Resp: 126804

Ion Ratio Lower Upper

95 100

174 93.7 0.0 187.6

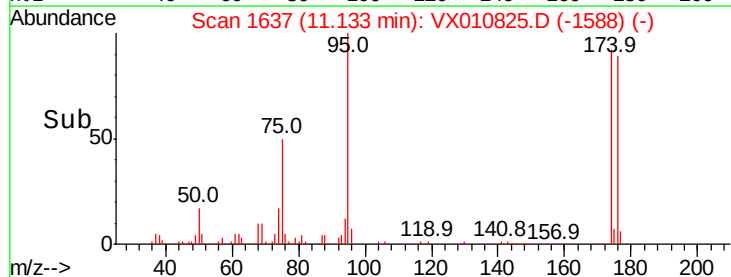
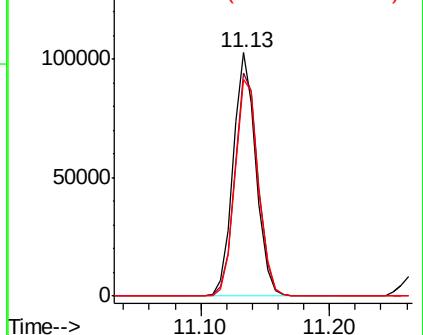
176 91.8 0.0 184.0

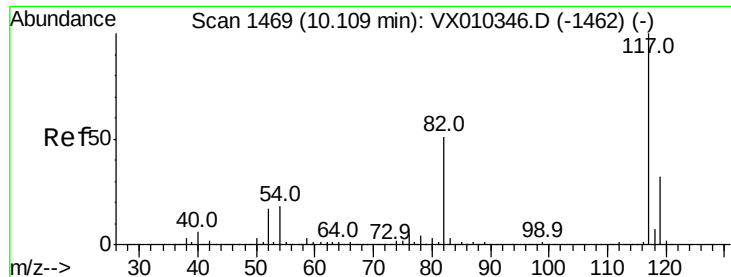


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





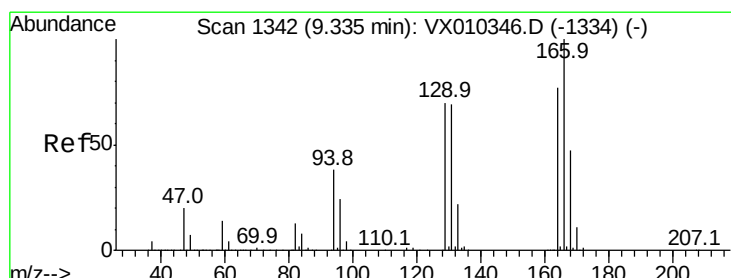
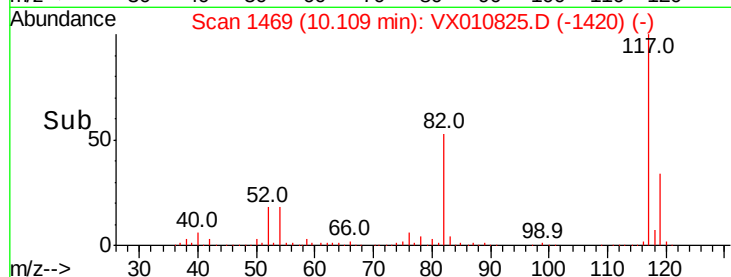
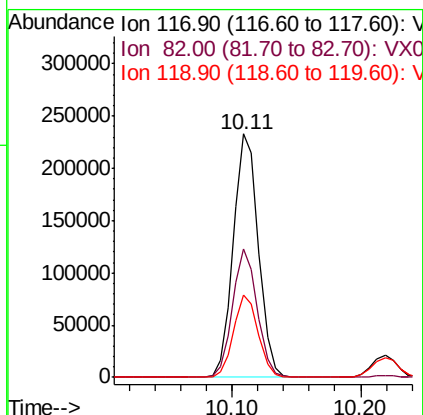
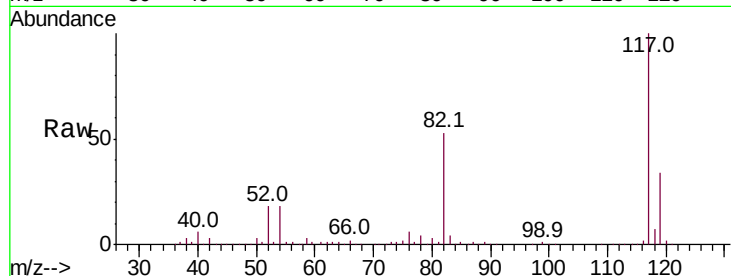
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.2	61.8
119	33.6	25.5	38.3

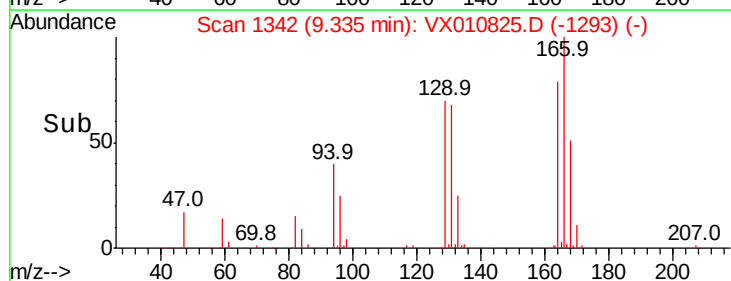
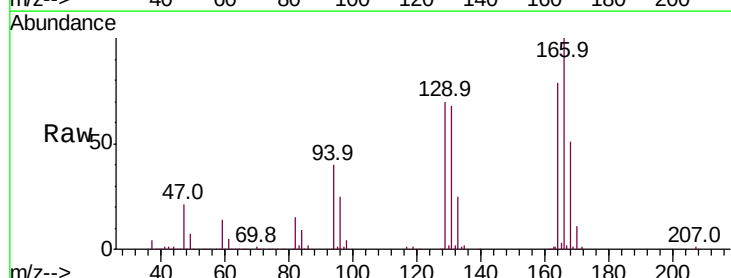
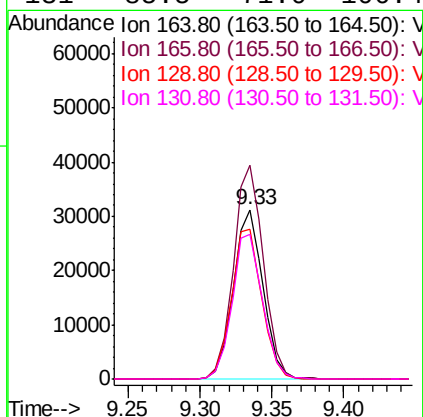
Manual Integrations
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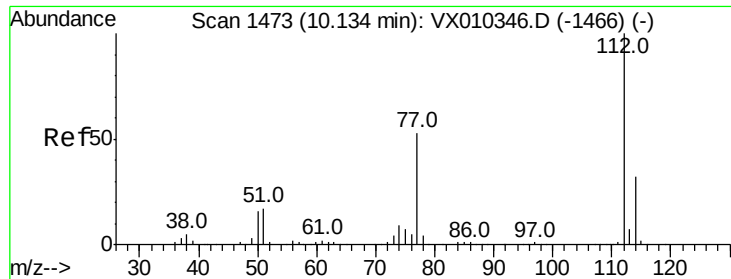
MMDadoda
7/15/2019 11:00:21 AM



#64
Tetrachloroethene
Concen: 17.365 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	103.6	155.4
129	88.5	73.0	109.4
131	85.5	71.0	106.4





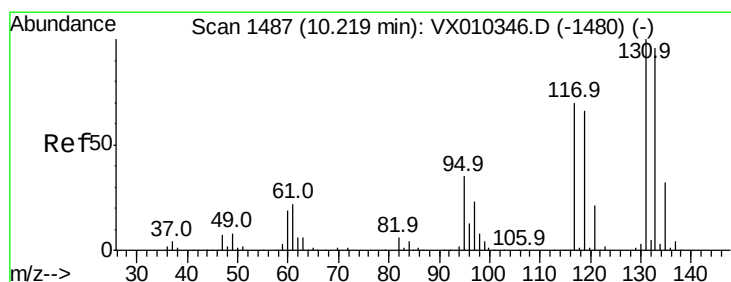
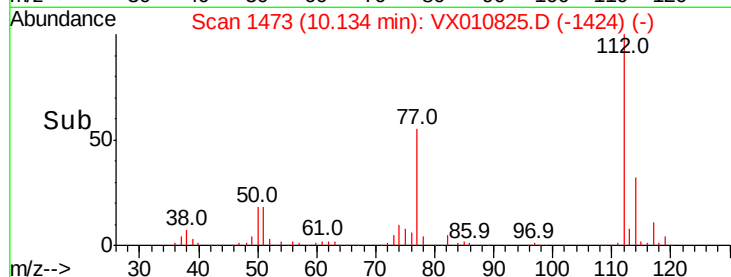
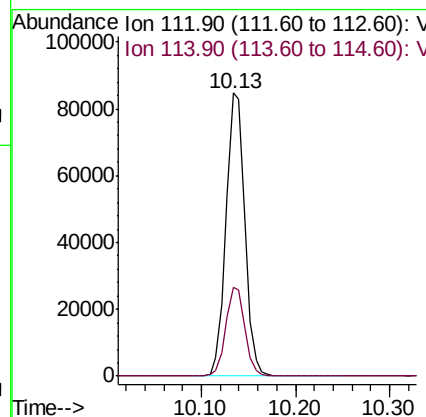
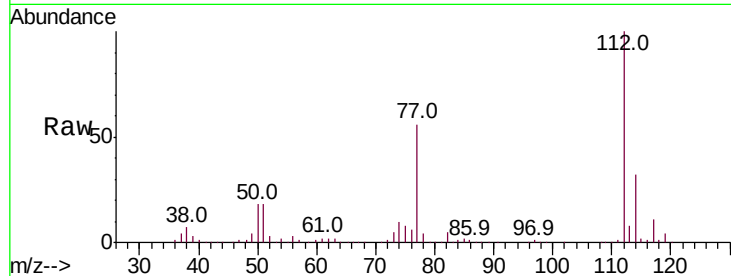
#65
Chlorobenzene
Concen: 18.175 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_X
ClientSampled :
VX0712WBS01

Tot Ion:112 Resp: 117132
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2

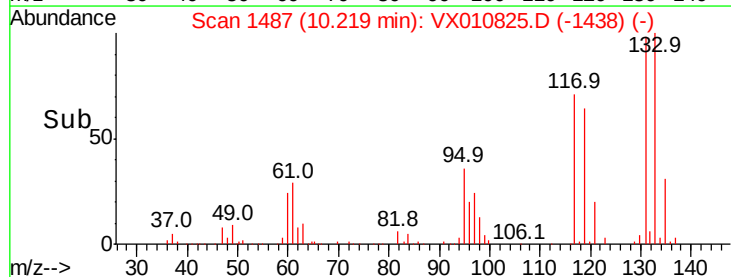
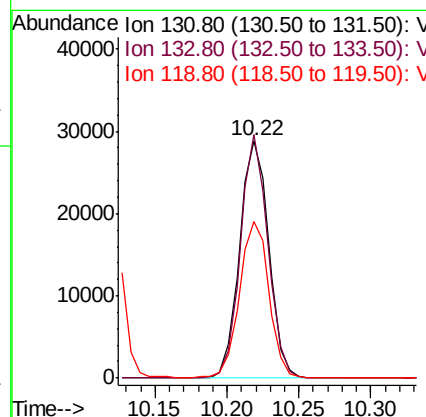
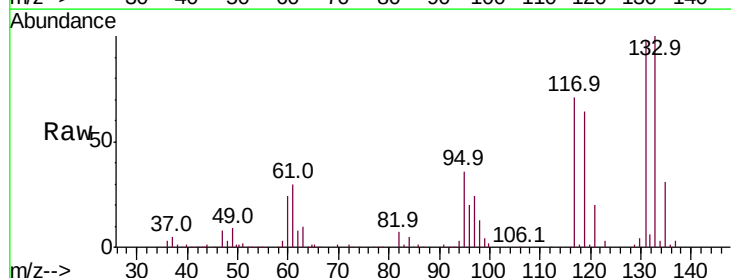
Manual Integrations
APPROVED

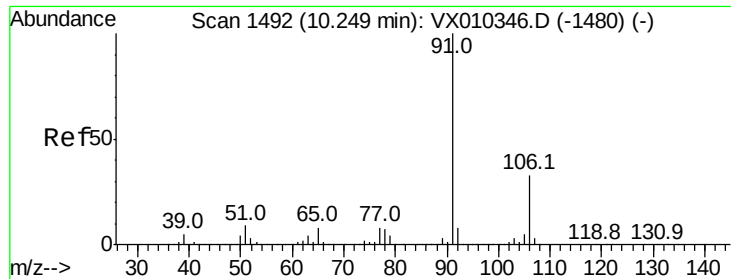
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.355 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Tgt Ion:131 Resp: 40739
Ion Ratio Lower Upper
131 100
133 96.5 47.7 143.1
119 67.1 32.6 97.7





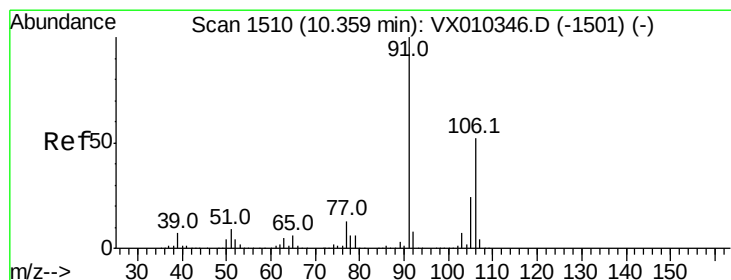
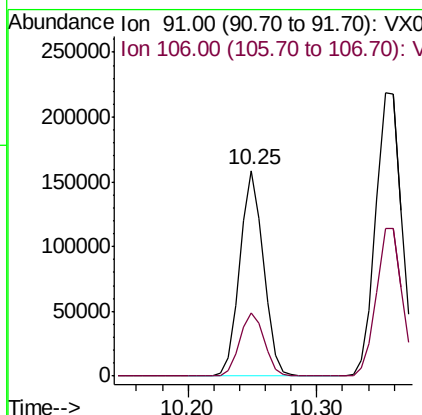
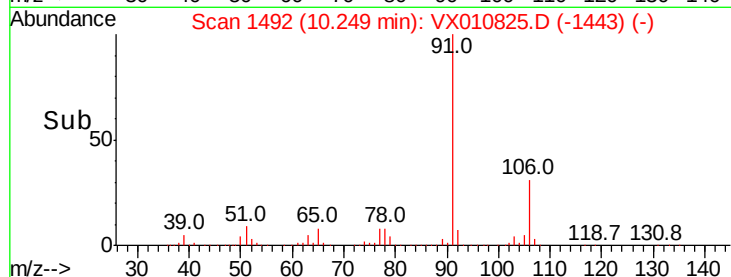
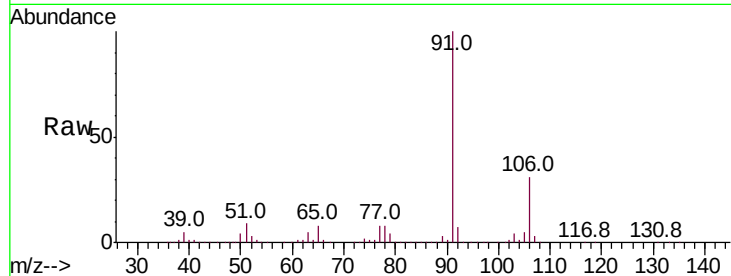
#67
Ethyl Benzene
Concen: 18.509 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_X
ClientSampled :
VX0712WBS01

Tot Ion: 91 Resp: 201373
Ion Ratio Lower Upper
91 100
106 31.0 26.2 39.2

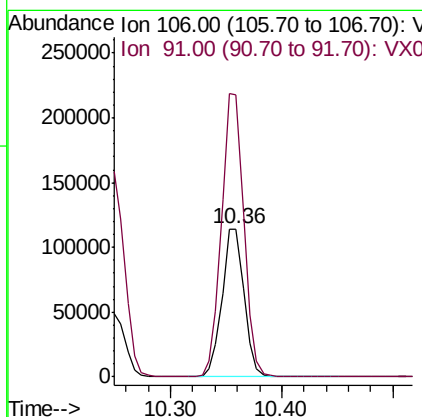
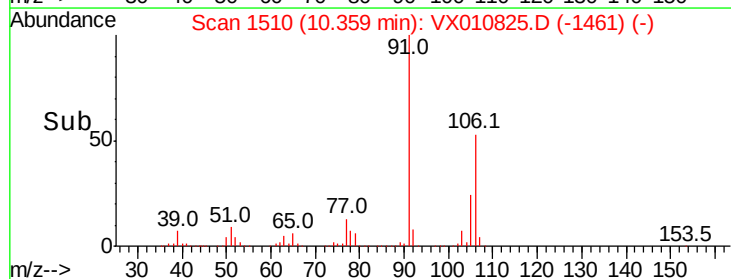
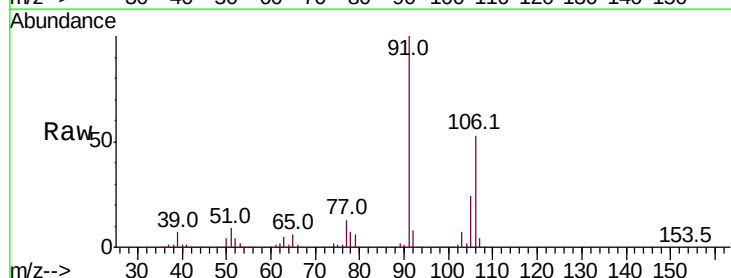
Manual Integrations
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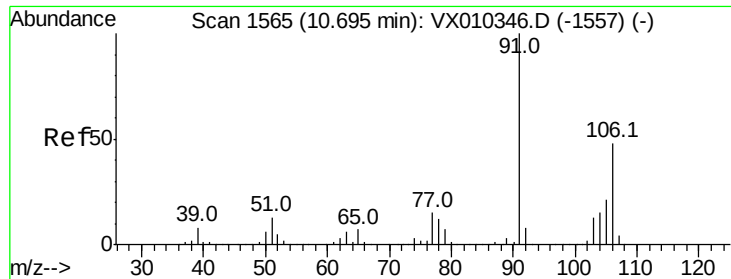
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#68
m/p-Xylenes
Concen: 37.309 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Tgt Ion: 106 Resp: 157283
Ion Ratio Lower Upper
106 100
91 193.3 155.3 232.9





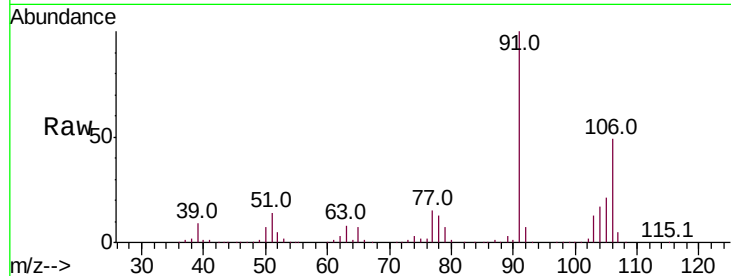
#69
o-Xylene
Concen: 18.341 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_X
ClientSampled :
VX0712WBS01

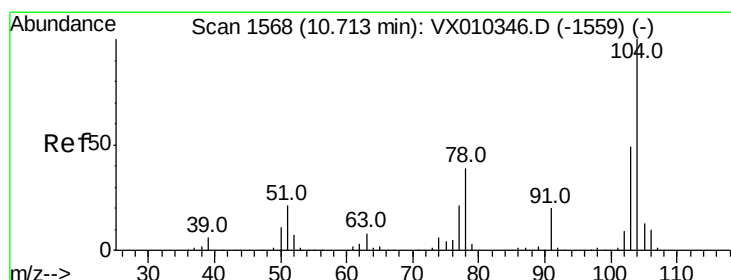
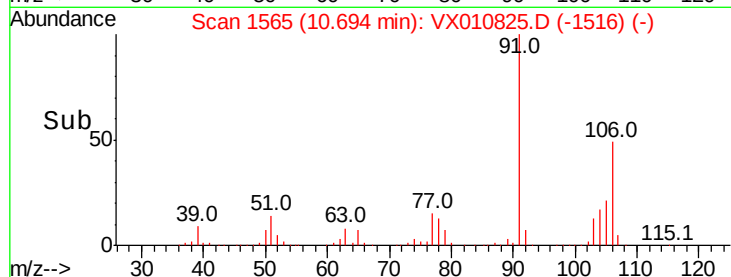
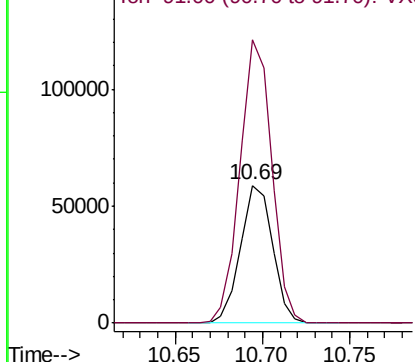
Tot Ion:106 Resp: 76035
Ion Ratio Lower Upper
106 100
91 203.4 102.7 308.1

Manual Integrations
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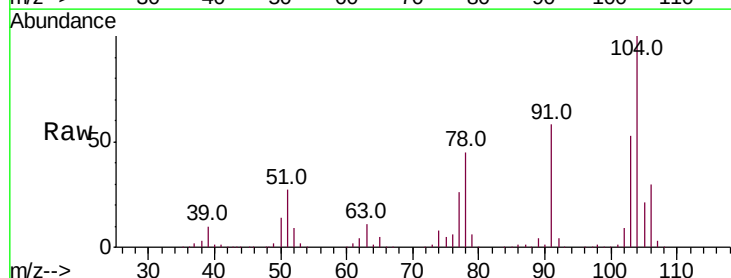


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

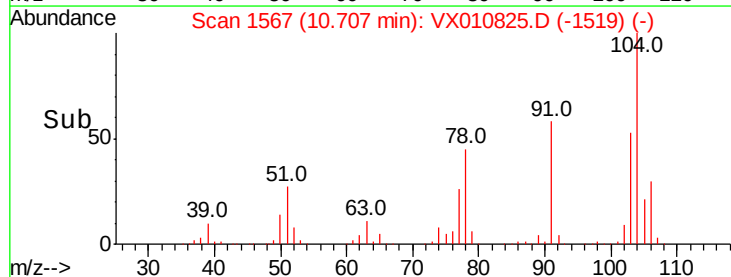
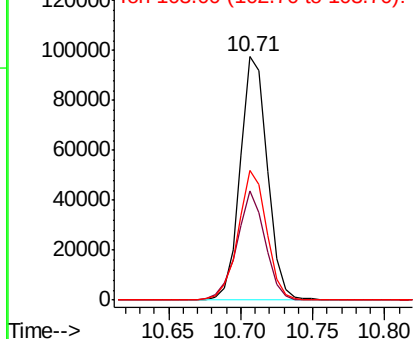


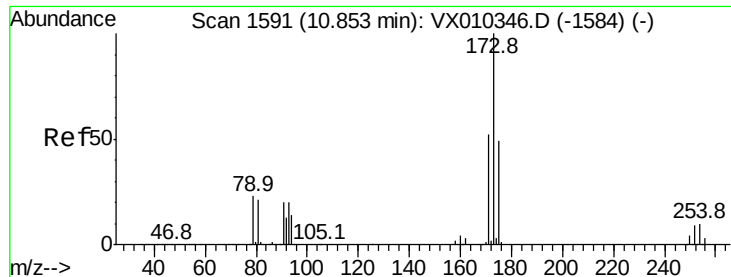
#70
Styrene
Concen: 18.406 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Tgt Ion:104 Resp: 127970
Ion Ratio Lower Upper
104 100
78 46.5 36.2 54.2
103 55.7 44.2 66.4



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





#71

Bromoform

Concen: 15.410 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion:173 Resp: 31459

Ion Ratio Lower Upper

173 100

175 46.7 24.1 72.3

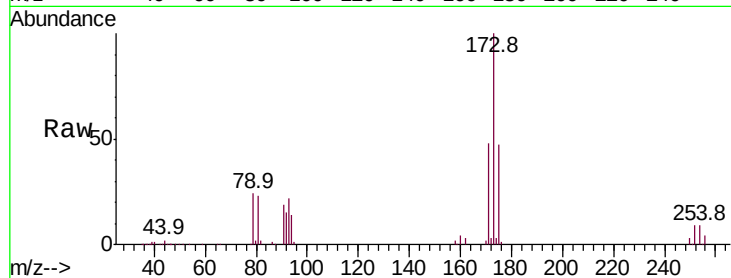
254 0.3 0.2 0.2#

Manual Integrations

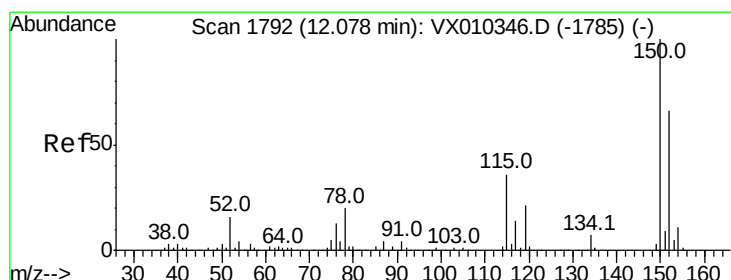
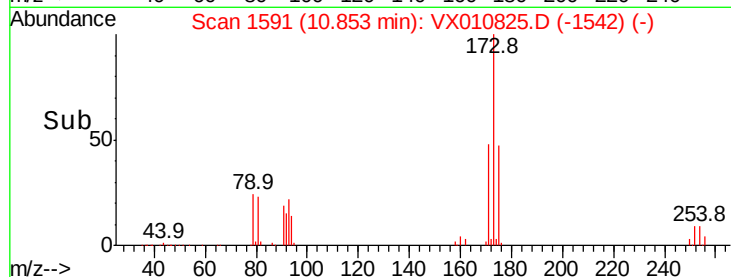
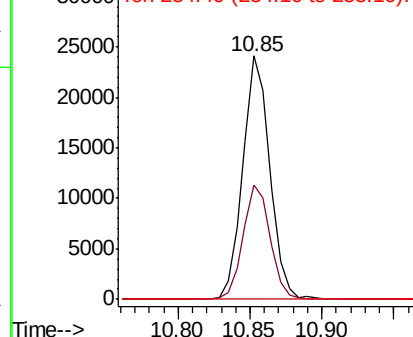
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

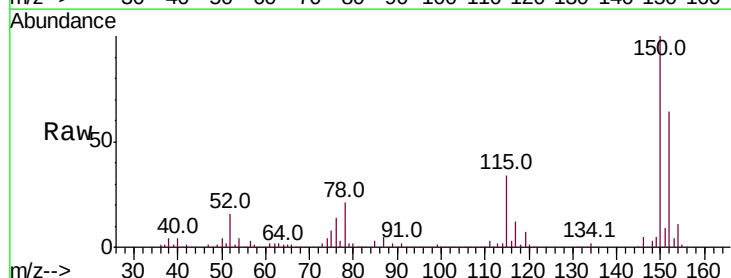
Tgt Ion:152 Resp: 170685

Ion Ratio Lower Upper

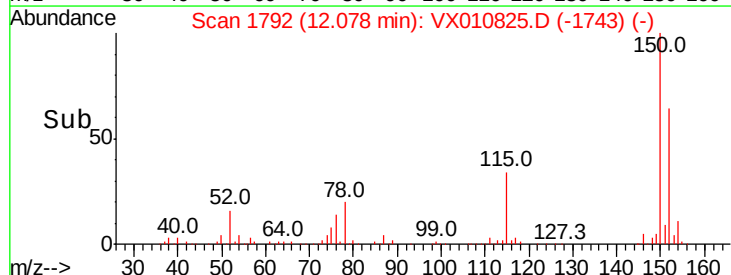
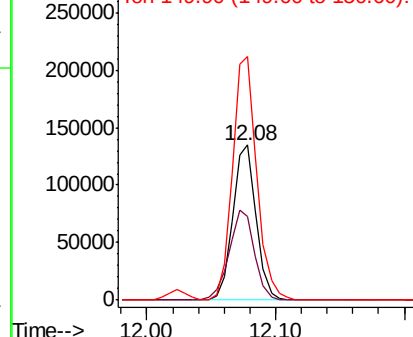
152 100

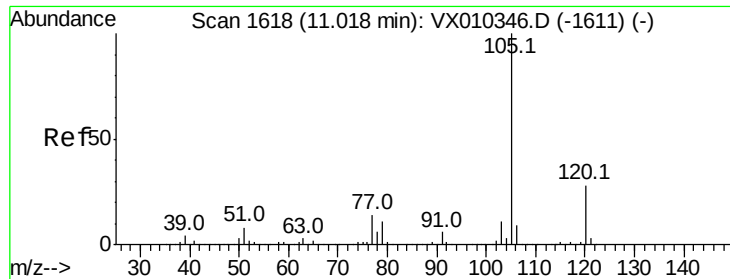
115 63.6 38.6 115.7

150 164.0 0.0 347.4



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: 17.865 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion:105 Resp: 206701

Ion Ratio Lower Upper

105 100

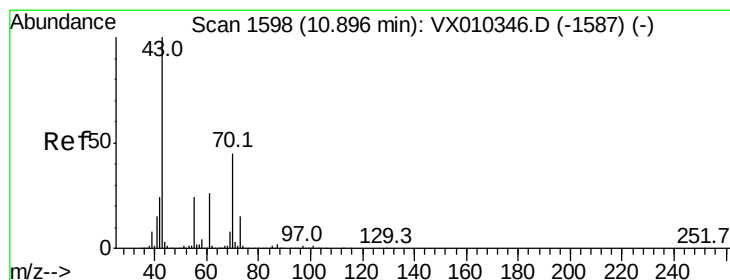
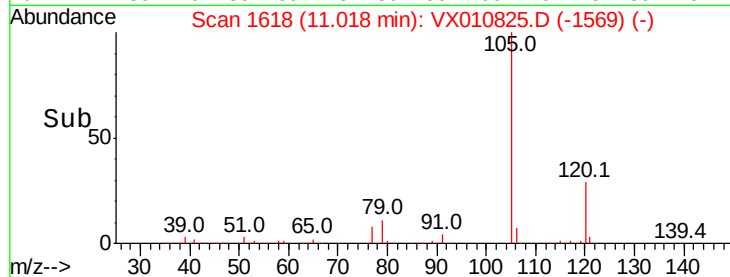
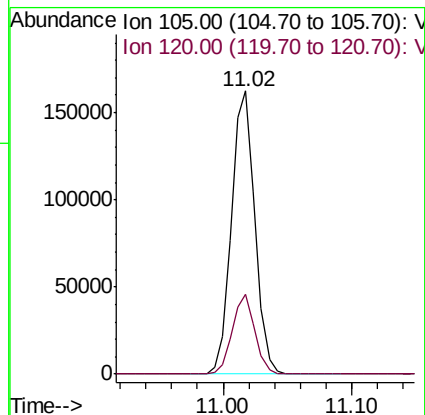
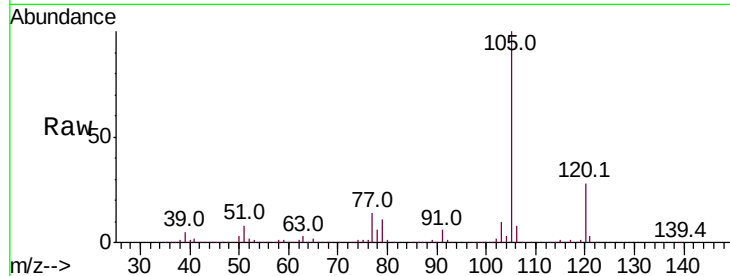
120 27.4 14.1 42.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.629 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Tgt Ion: 43 Resp: 77088

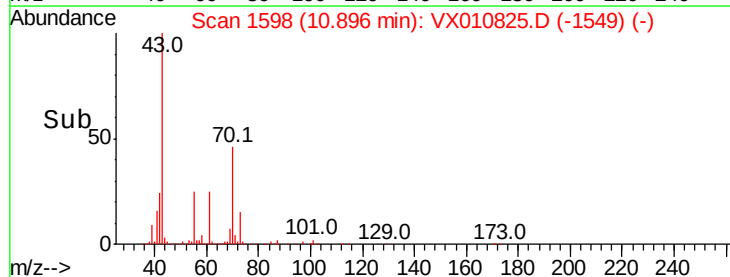
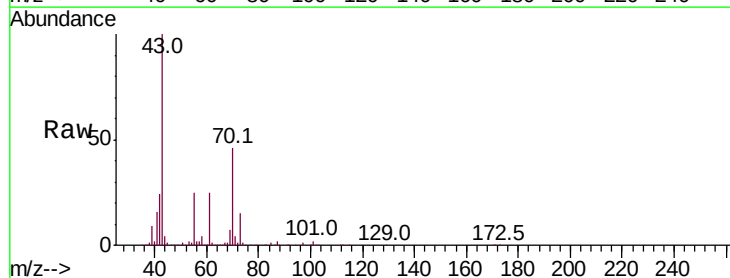
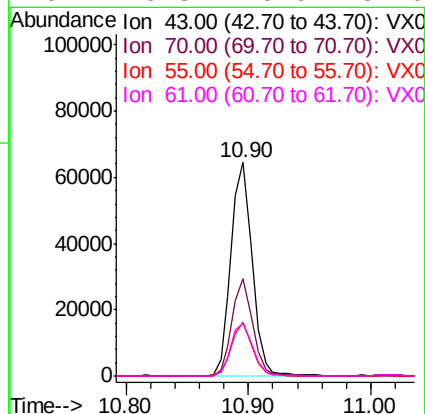
Ion Ratio Lower Upper

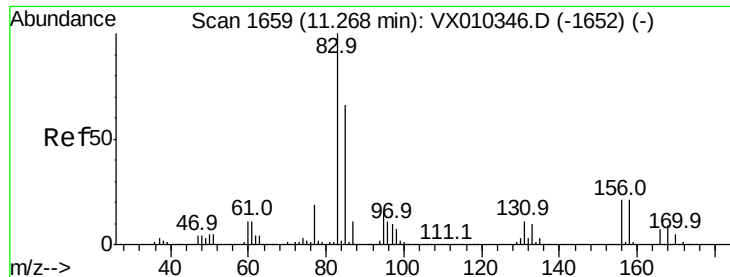
43 100

70 44.5 36.6 54.8

55 25.0 18.7 28.1

61 25.8 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.444 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion: 83 Resp: 66842

Ion Ratio Lower Upper

83 100

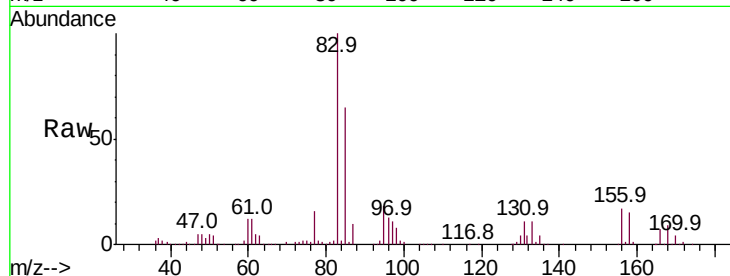
131 10.7 5.5 16.4

85 64.5 32.3 96.8

Manual Integrations
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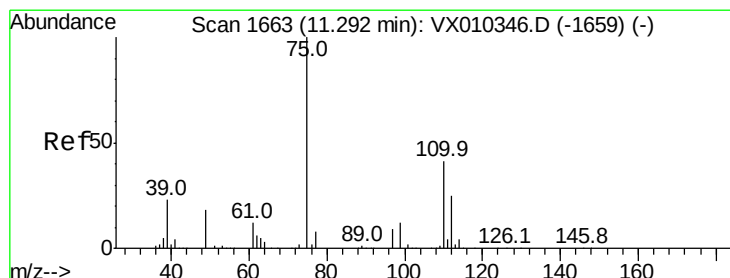
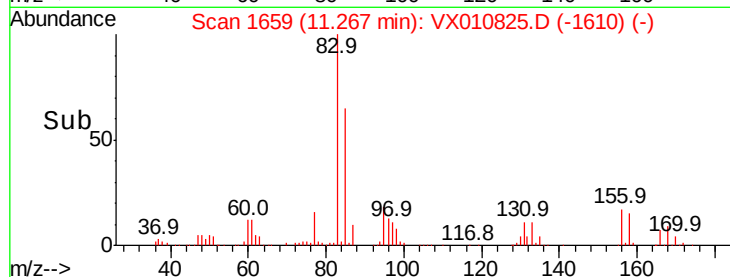
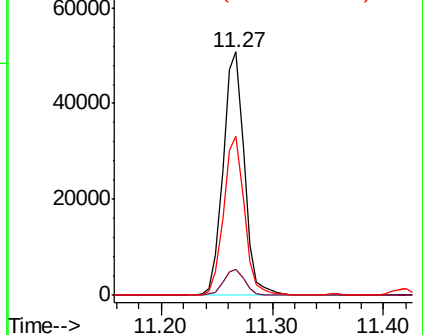
7/15/2019 11:00:21 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 17.362 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX010825.D

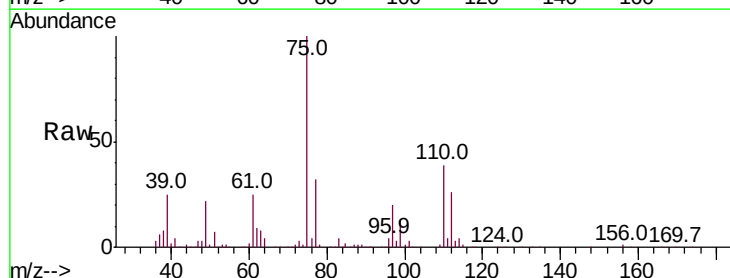
Acq: 12 Jul 2019 10:59

Tgt Ion: 75 Resp: 54003

Ion Ratio Lower Upper

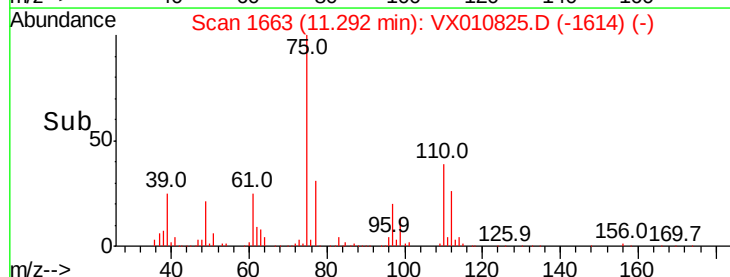
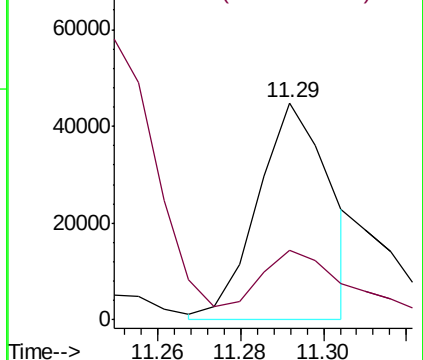
75 100

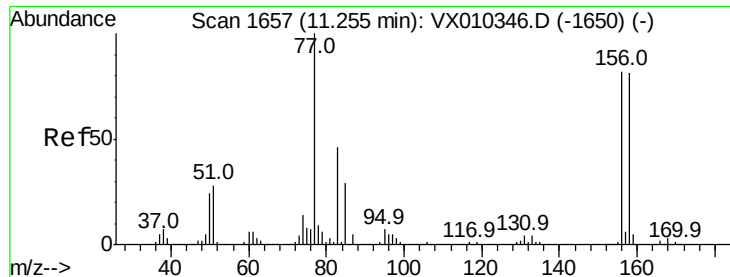
77 41.7 22.6 67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





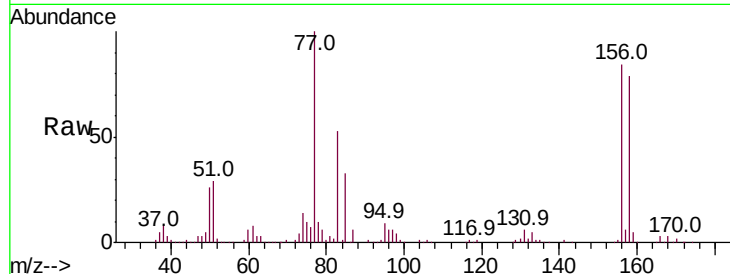
#77
Bromobenzene
Concen: 16.877 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	134.5	66.3	198.7
158	96.7	48.9	146.7

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7/15/2019 11:00:21 AM

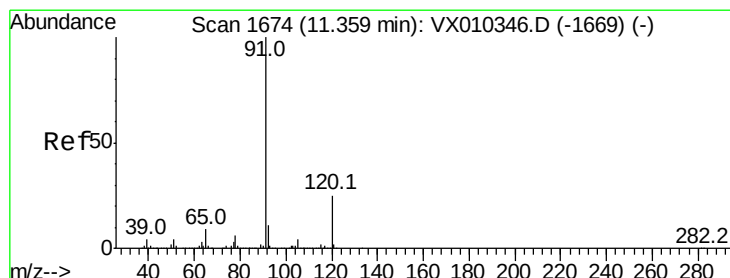
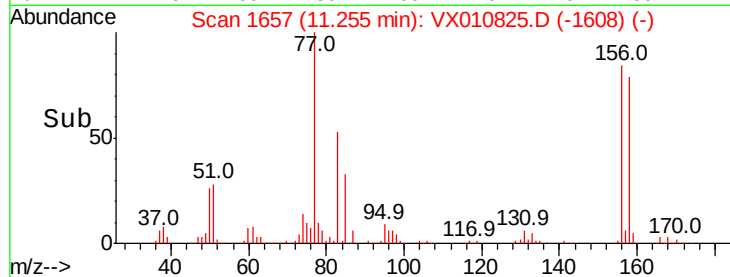
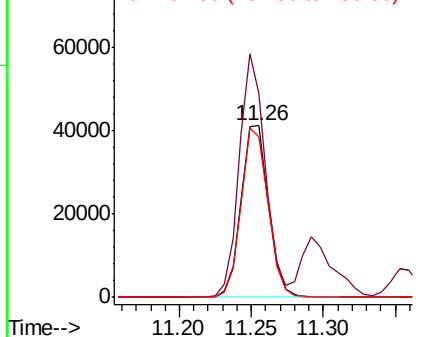


Abundance

Ion 155.80 (155.50 to 156.50): V

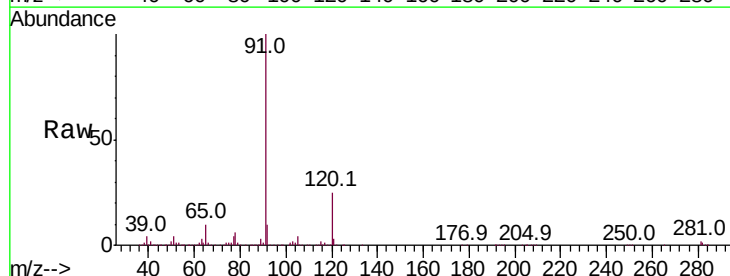
Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78
n-propylbenzene
Concen: 17.772 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

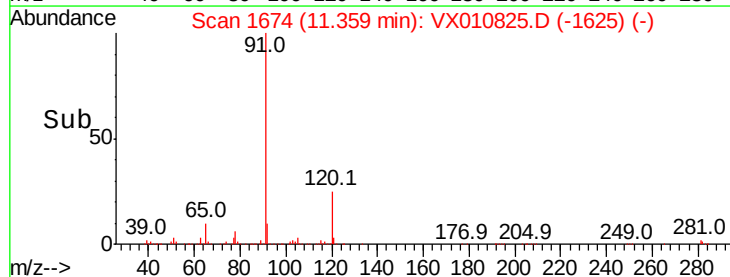
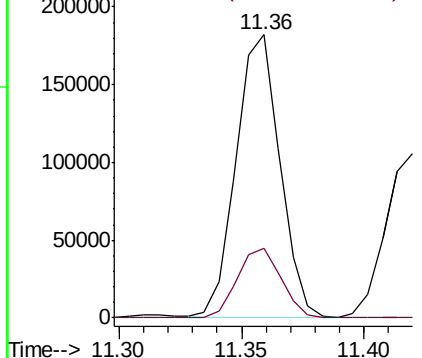
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.4	37.4

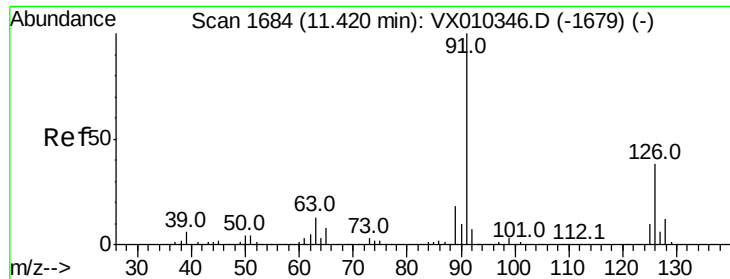


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.604 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion: 91 Resp: 133303

Ion Ratio Lower Upper

91 100

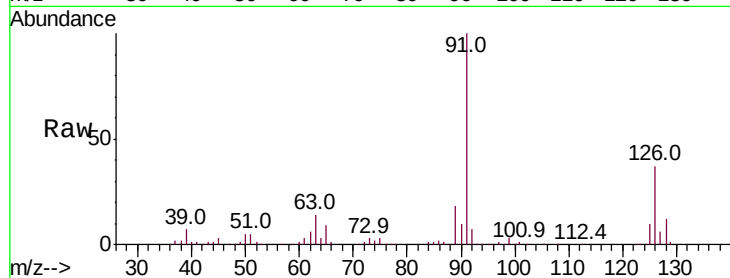
126 37.4 18.7 56.1

Manual Integrations

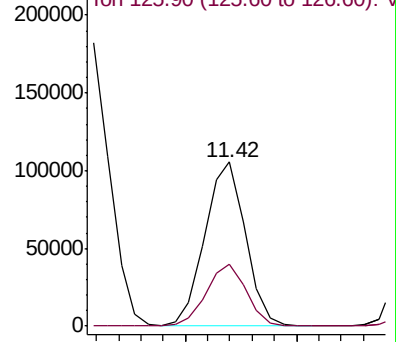
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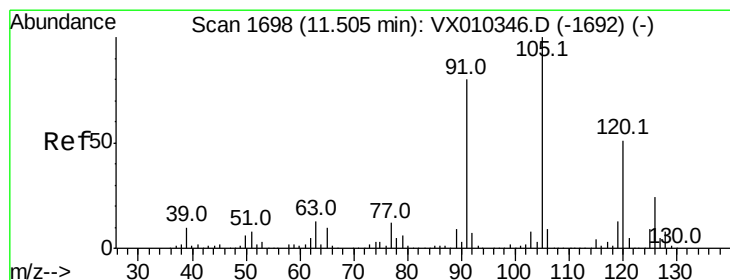
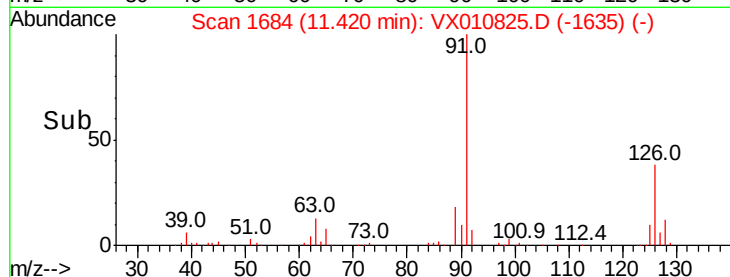
7/15/2019 11:00:21 AM



Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1679) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.956 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010825.D

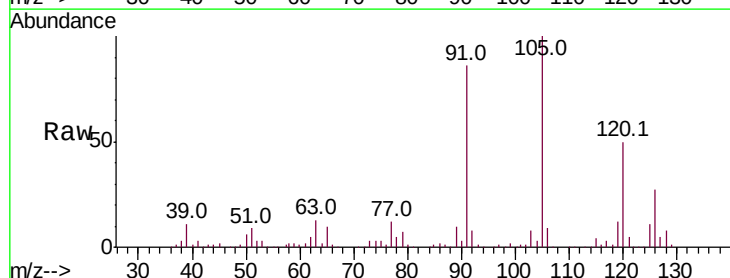
Acq: 12 Jul 2019 10:59

Tgt Ion: 105 Resp: 171271

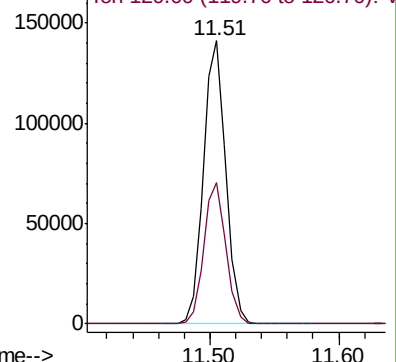
Ion Ratio Lower Upper

105 100

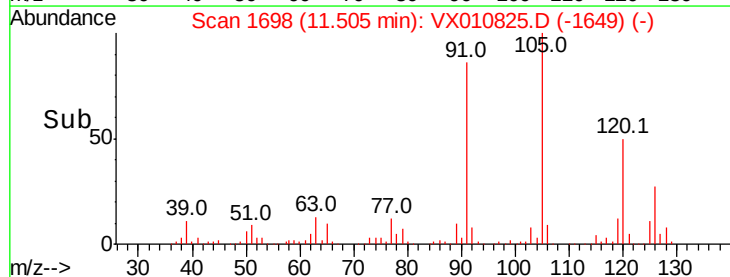
120 49.4 25.2 75.6

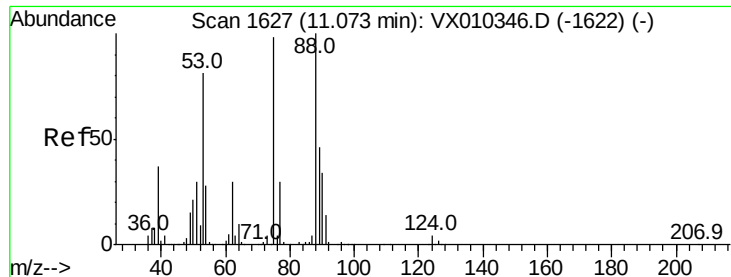


Abundance Ion 105.00 (104.70 to 105.70): VX010346.D (-1692) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 12.298 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion: 75 Resp: 16396

Ion Ratio Lower Upper

75 100

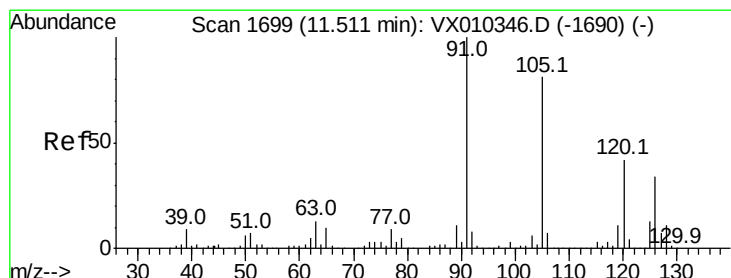
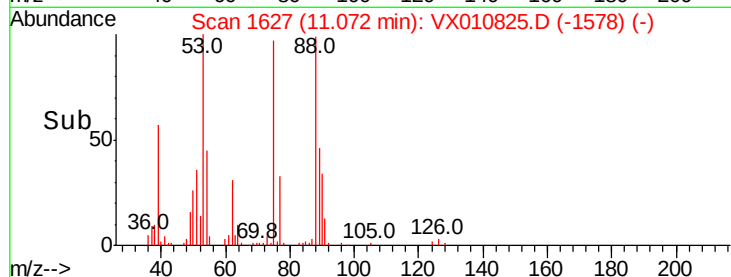
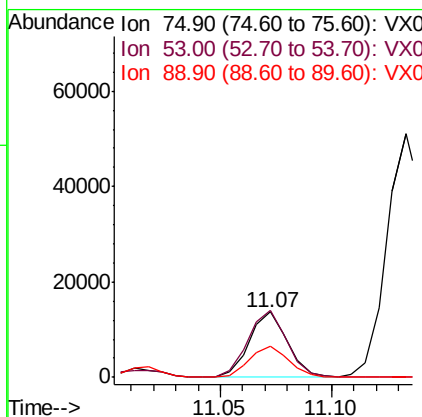
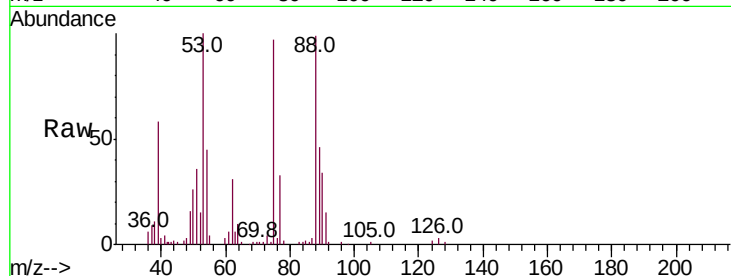
53 103.8 66.1 99.1#

89 50.1 37.8 56.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.085 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX010825.D

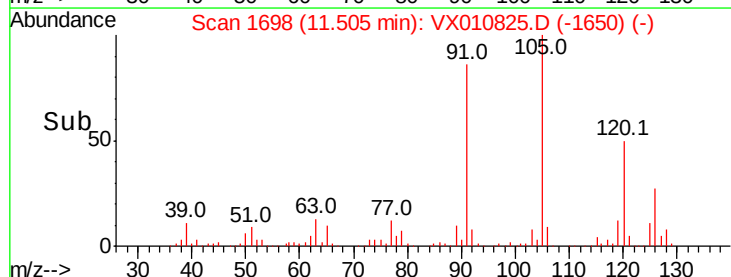
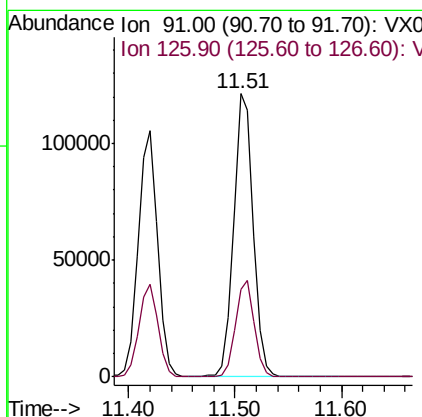
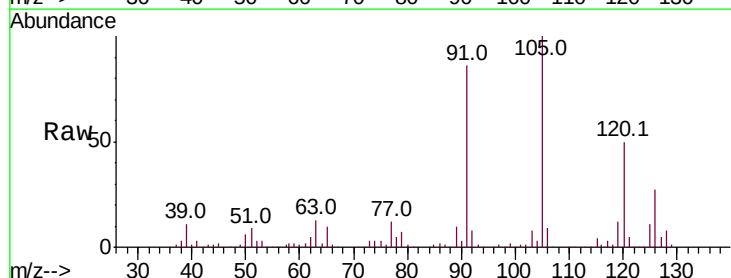
Acq: 12 Jul 2019 10:59

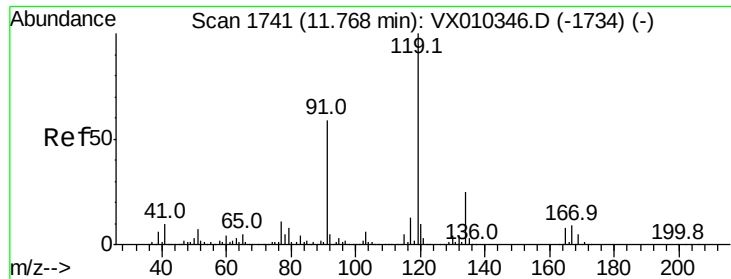
Tgt Ion: 91 Resp: 155828

Ion Ratio Lower Upper

91 100

126 32.9 16.2 48.6





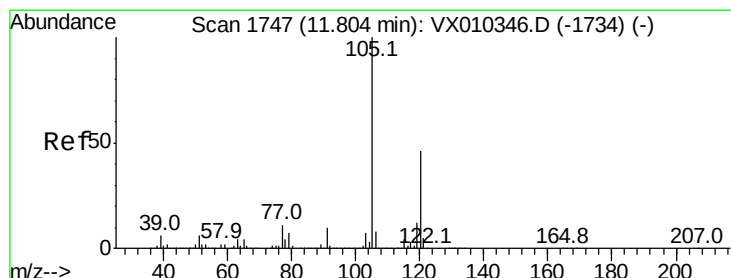
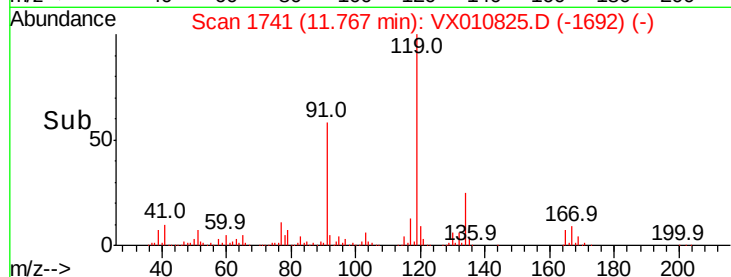
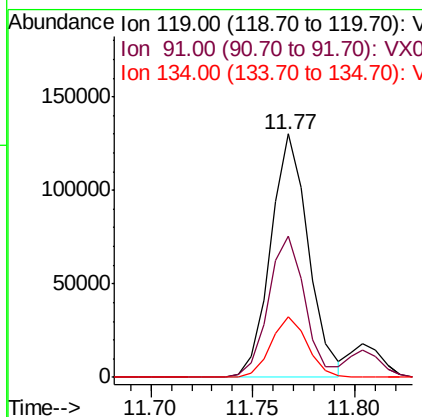
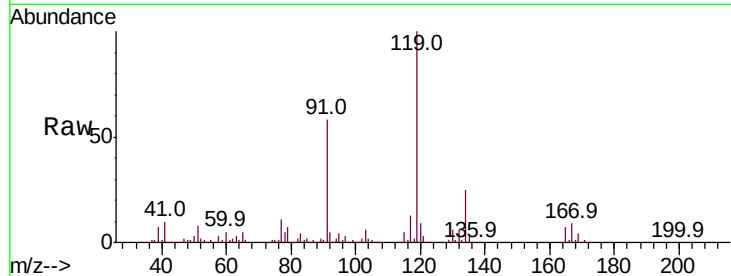
#83
tert-Butylbenzene
Concen: 17.492 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	167459		
91	56.9		27.6	82.7
134	23.9		11.8	35.4

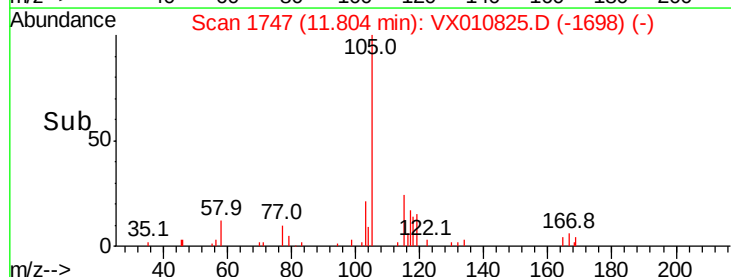
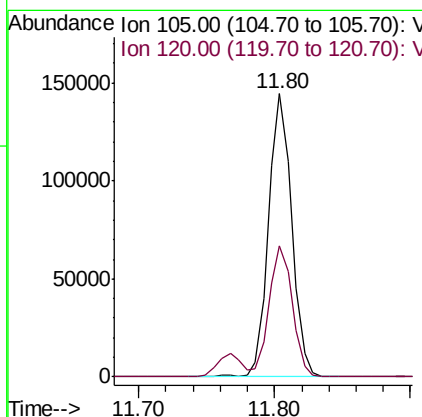
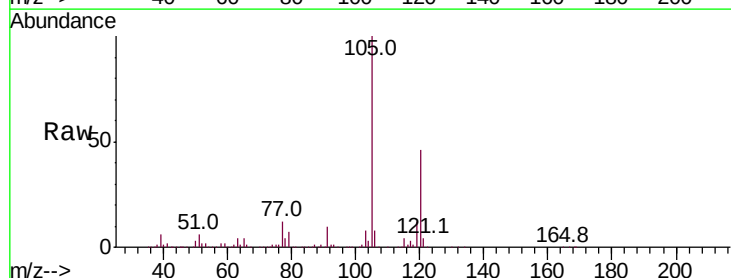
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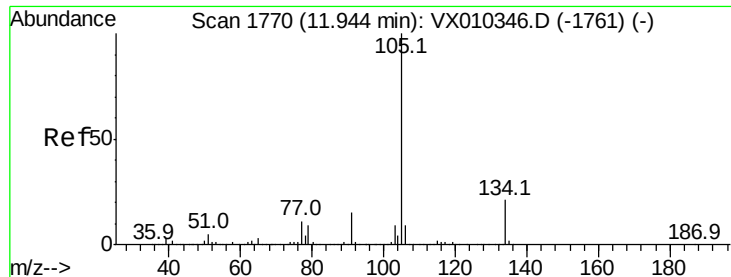
MMDadoda
7/15/2019 11:00:21 AM



#84
1,2,4-Trimethylbenzene
Concen: 18.100 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	173450		
120	46.6		23.1	69.2





#85

sec-Butylbenzene

Concen: 18.081 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBS01

Tot Ion:105 Resp: 203239

Ion Ratio Lower Upper

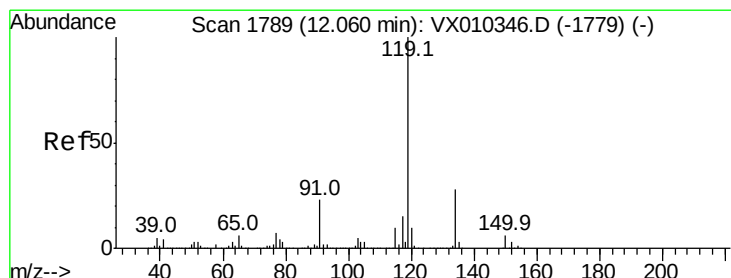
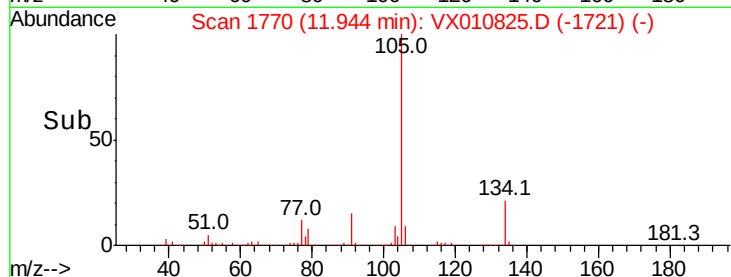
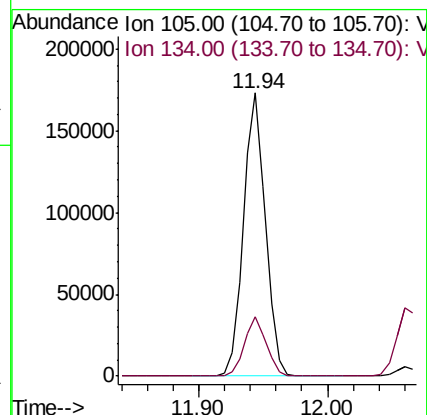
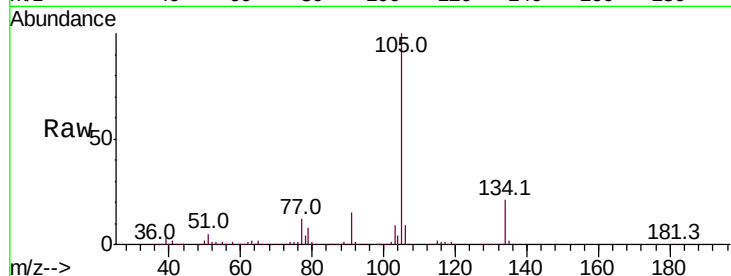
105 100

134 20.8 10.7 31.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 17.743 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

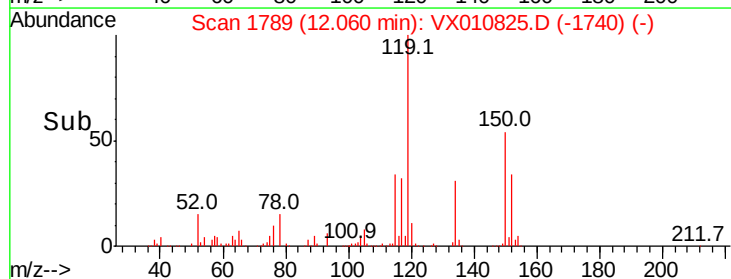
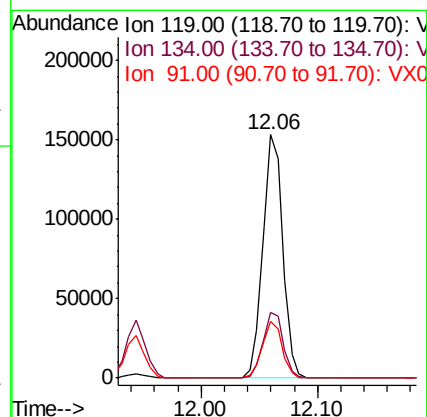
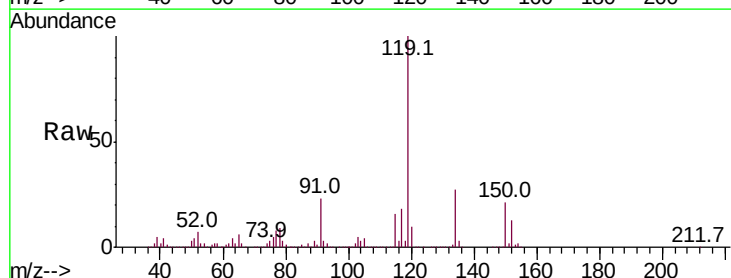
Tgt Ion:119 Resp: 184478

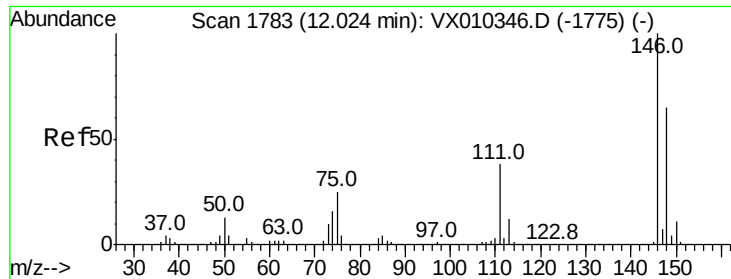
Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.1

91 23.2 11.3 33.8





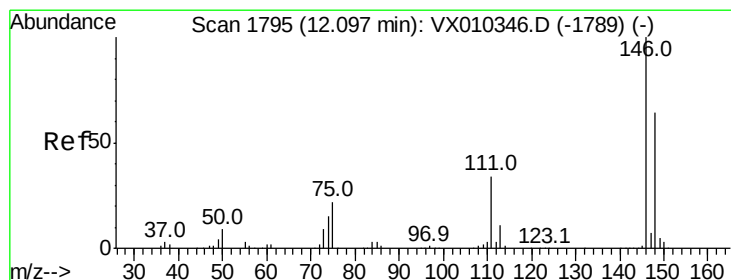
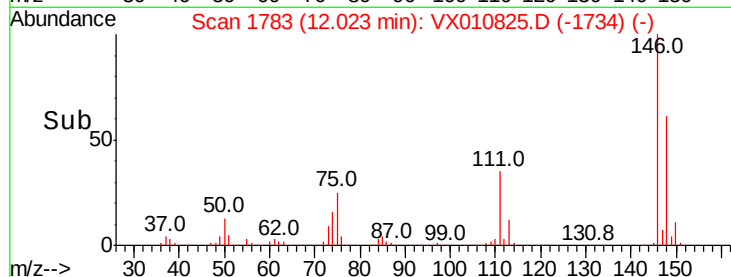
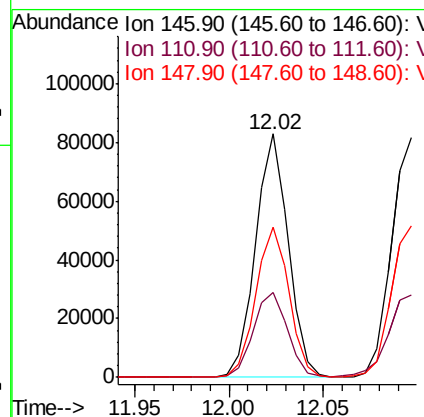
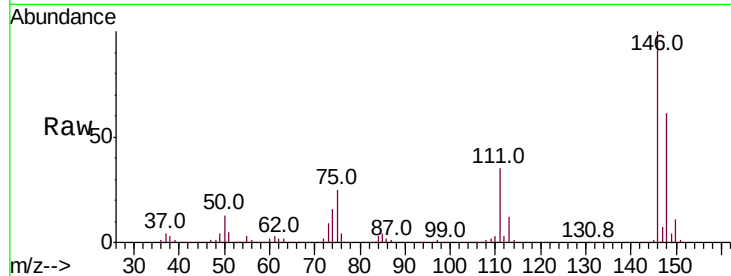
#87
 1,3-Dichlorobenzene
 Concen: 17.643 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010825.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	19.1	57.1
148	63.0	32.5	97.4

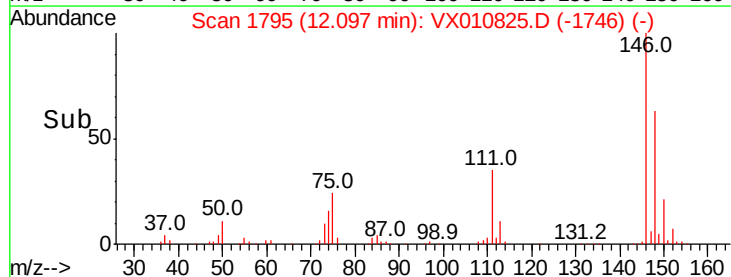
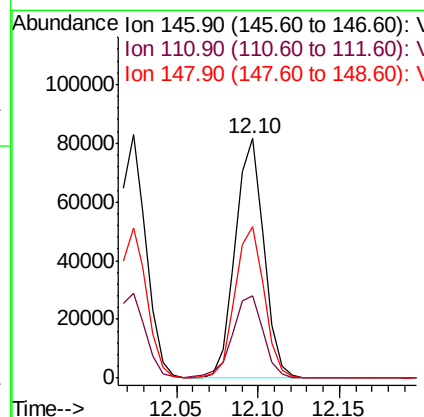
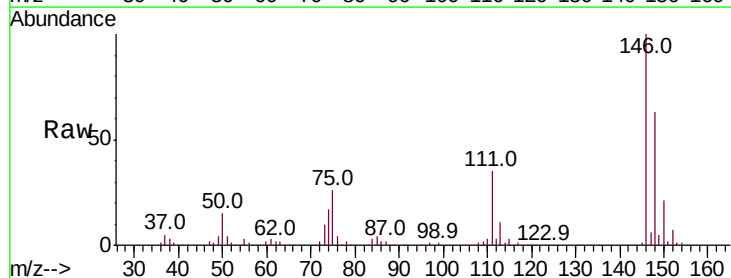
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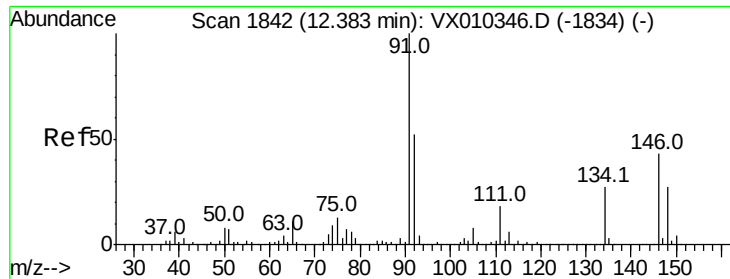
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 17.305 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010825.D
 Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.3
148	64.7	32.1	96.3





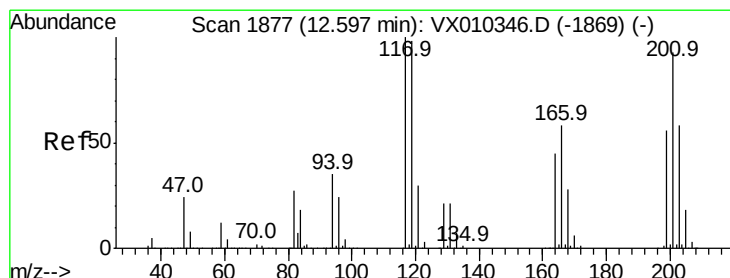
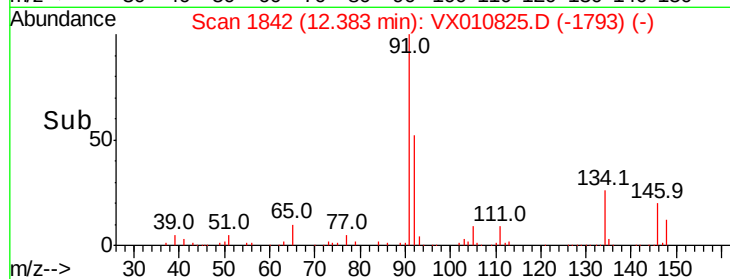
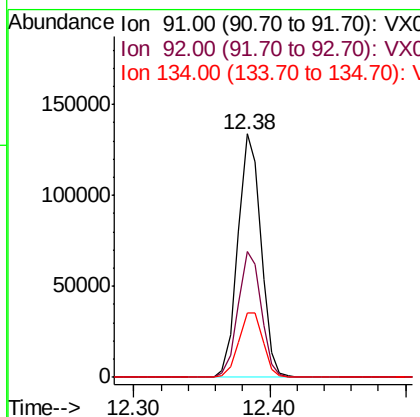
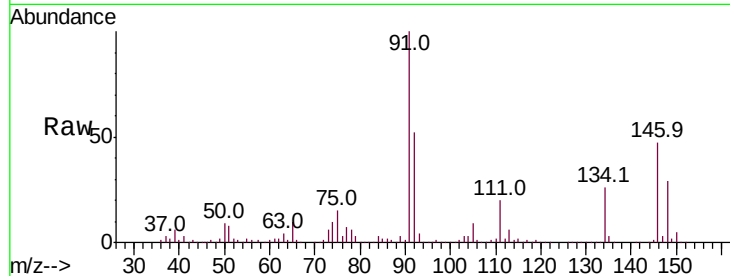
#89
n-Butylbenzene
Concen: 17.895 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.2	78.5
134	27.9	14.1	42.4

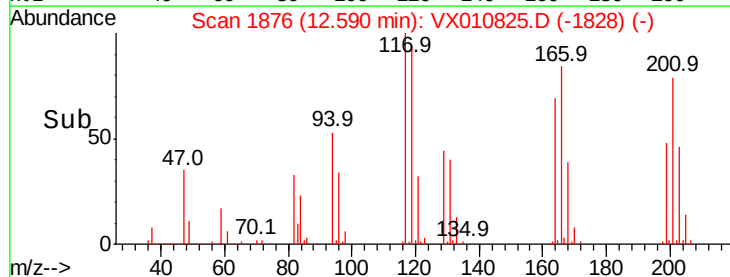
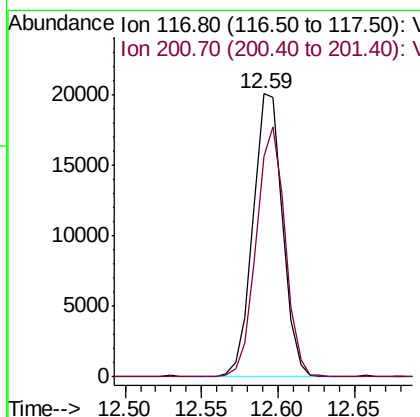
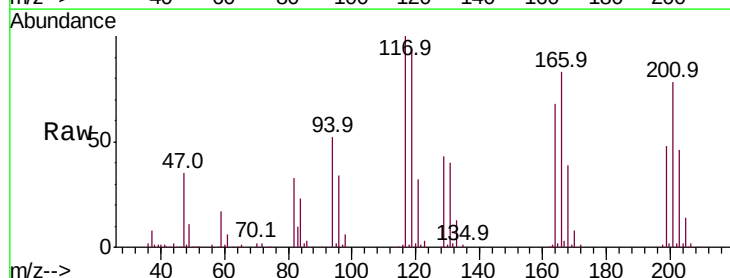
Manual Integrations
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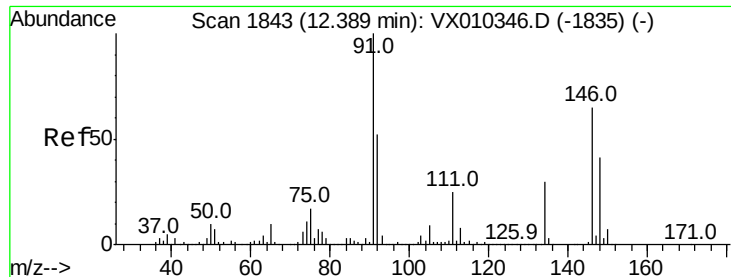
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#90
Hexachloroethane
Concen: 15.061 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.2	44.0	131.8





#91

1,2-Dichlorobenzene

Concen: 17.816 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_X

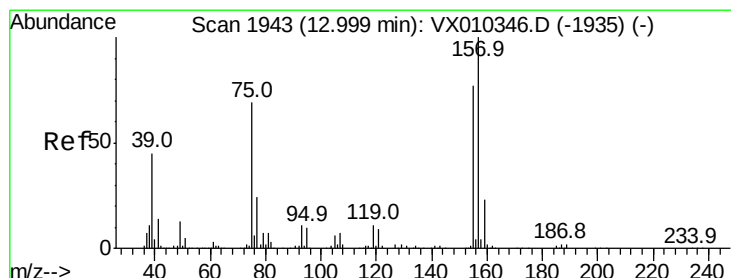
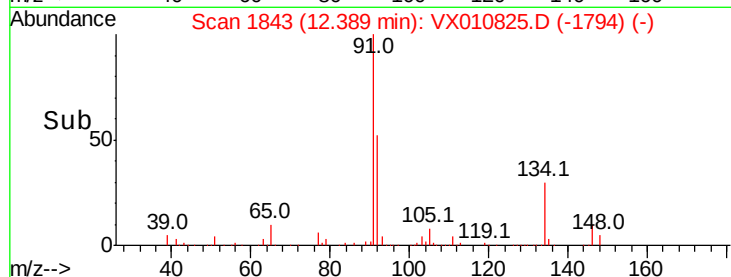
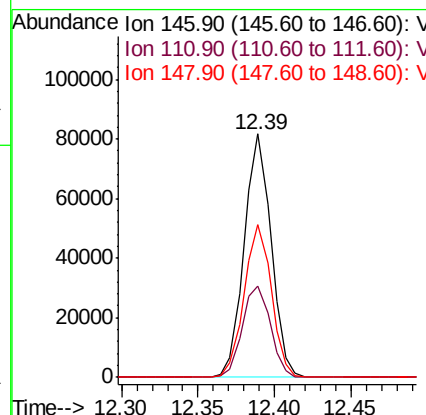
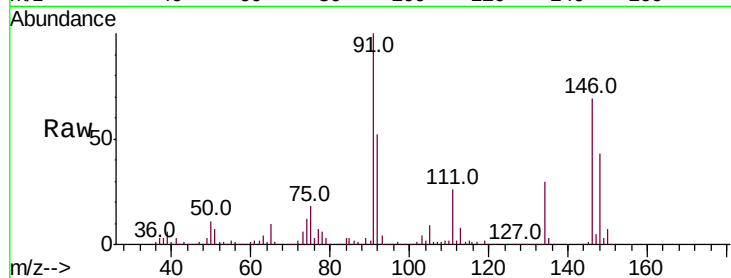
ClientSampleId :

VX0712WBS01

Tot Ion:	146	Resp:	99857
Ion Ratio	Lower	Upper	
146	100		
111	39.3	19.2	57.6
148	63.7	32.0	96.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 15.871 ug/l

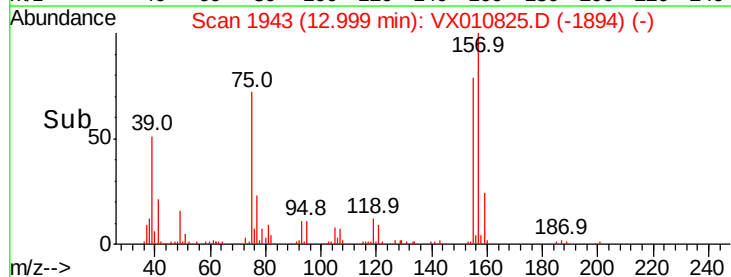
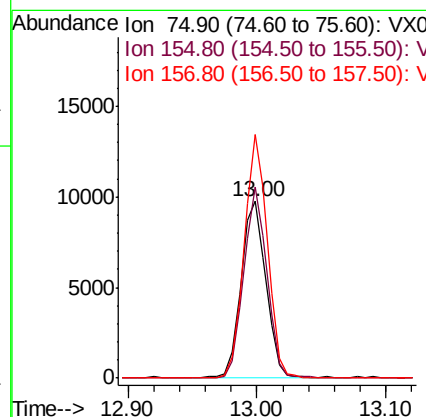
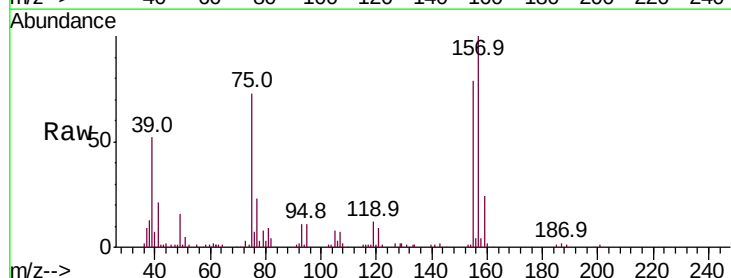
RT: 13.00 min Scan# 1943

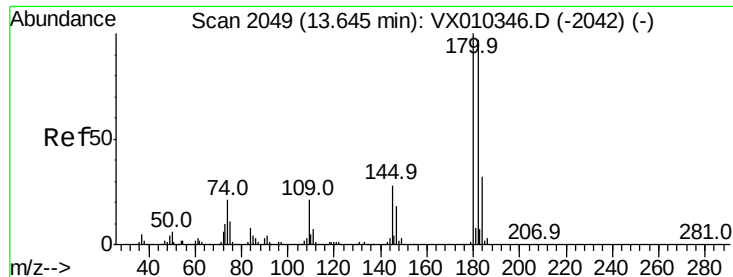
Delta R.T. -0.00 min

Lab File: VX010825.D

Acq: 12 Jul 2019 10:59

Tgt Ion:	75	Resp:	13112
Ion Ratio	Lower	Upper	
75	100		
155	99.8	54.4	163.1
157	126.9	69.5	208.3





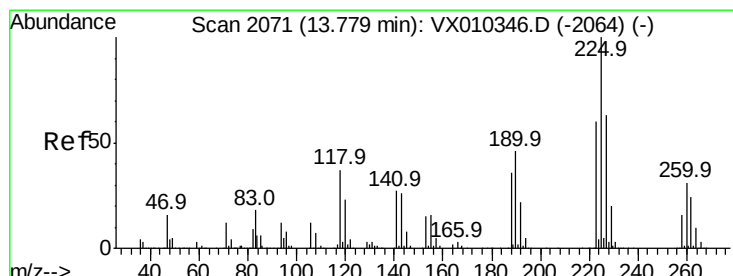
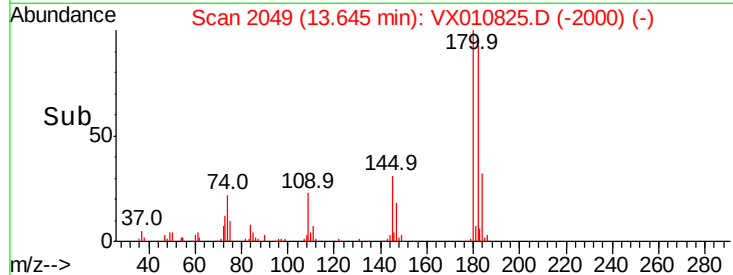
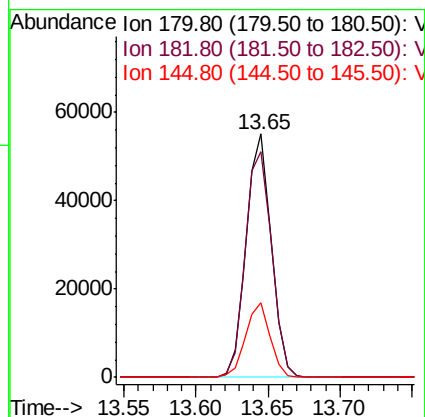
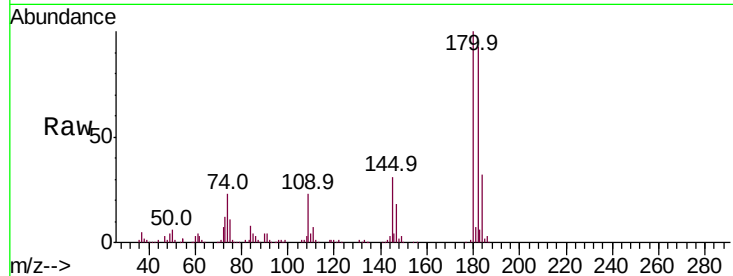
#93
 1,2,4-Trichlorobenzene
 Concen: 17.096 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010825.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	66450		
182	97.5	48.0	144.0	
145	30.0	14.4	43.4	

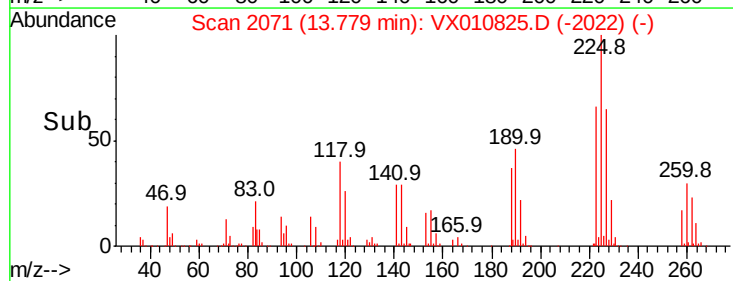
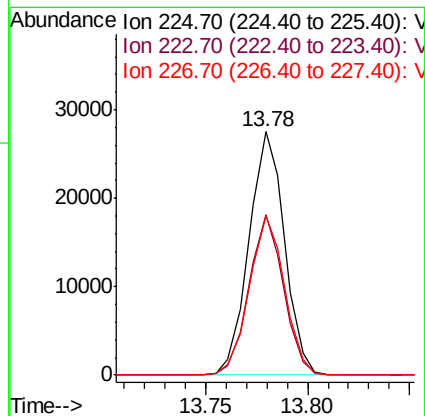
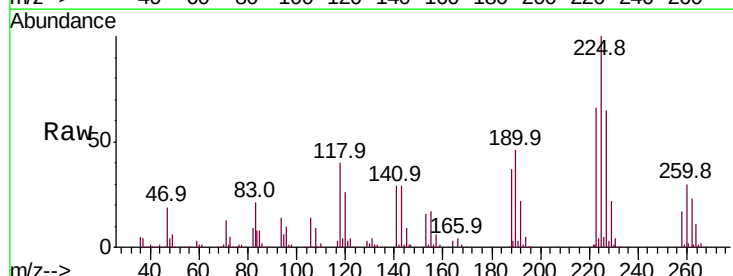
Manual Integrations
 APPROVED

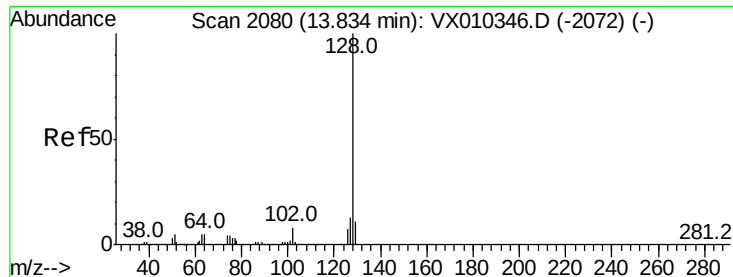
MMDadoda
 7/15/2019 11:00:21 AM



#94
 Hexachlorobutadiene
 Concen: 17.521 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010825.D
 Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	33285		
223	64.2	30.9	92.7	
227	65.0	31.9	95.5	





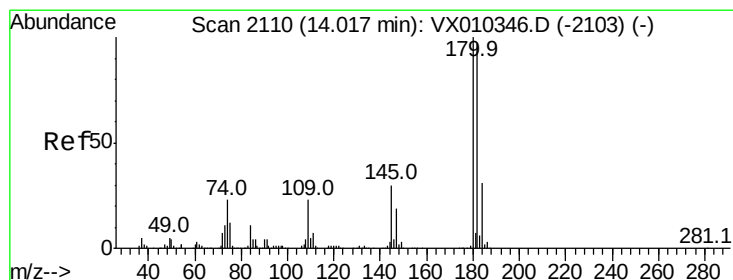
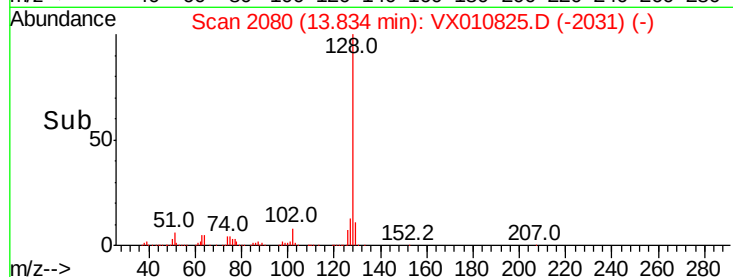
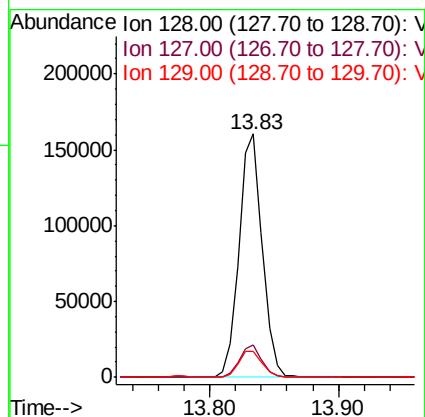
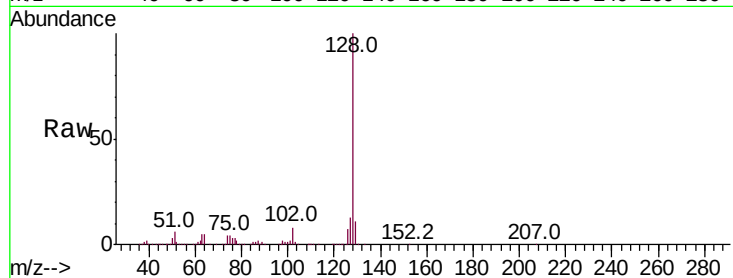
#95
Naphthalene
Concen: 16.722 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	199740		
127	12.8		10.2	15.4
129	11.1		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/15/2019 11:00:21 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.319 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX010825.D
Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	66932		
182	99.3		47.8	143.3
145	31.4		15.2	45.6

