

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX070819\
 Data File : VX010689.D
 Acq On : 08 Jul 2019 12:42
 Operator : JC/SP
 Sample : VX0708WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0708WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 11:10:53 AM

Quant Time: Jul 09 01:29:21 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	223725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	333890	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	303935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157410	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	108923	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	5.49	113	104115	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
50) Toluene-d8	8.71	98	381490	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
62) 4-Bromofluorobenzene	11.13	95	139327	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	37337	24.005	ug/l	98
3) Chloromethane	1.32	50	39475	21.795	ug/l	97
4) Vinyl Chloride	1.41	62	42325	21.336	ug/l	99
5) Bromomethane	1.64	94	24609	25.463	ug/l	99
6) Chloroethane	1.72	64	26851	22.942	ug/l	97
7) Trichlorofluoromethane	1.93	101	71688	22.796	ug/l	98
8) Diethyl Ether	2.19	74	24695	21.897	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	41352	21.699	ug/l	98
10) Methyl Iodide	2.51	142	47648	17.519	ug/l	98
11) Tert butyl alcohol	3.04	59	50283	91.609	ug/l	97
12) 1,1-Dichloroethene	2.37	96	40827	21.054	ug/l	97
13) Acrolein	2.29	56	30577	83.976	ug/l	98
14) Allyl chloride	2.73	41	58110	21.107	ug/l	97
15) Acrylonitrile	3.14	53	116448	107.154	ug/l	99
16) Acetone	2.44	43	99204	94.365	ug/l	100
17) Carbon Disulfide	2.57	76	101716	19.551	ug/l	99
18) Methyl Acetate	2.77	43	45541	21.735	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	129680	21.257	ug/l	100
20) Methylene Chloride	2.85	84	46301	21.401	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	42521	20.388	ug/l	96
22) Diisopropyl ether	3.86	45	122267	21.241	ug/l	88
23) Vinyl Acetate	3.81	43	536903	107.971	ug/l	99
24) 1,1-Dichloroethane	3.70	63	70650	21.234	ug/l	98
25) 2-Butanone	4.67	43	153336	99.434	ug/l	99
26) 2,2-Dichloropropane	4.59	77	57017	19.727	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	49989	20.741	ug/l	99
28) Bromochloromethane	5.01	49	31408	19.743	ug/l	96
29) Tetrahydrofuran	5.13	42	99392	104.056	ug/l	99
30) Chloroform	5.21	83	76019	21.235	ug/l	97
31) Cyclohexane	5.58	56	65523	21.625	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	66885	21.159	ug/l	99
36) 1,1-Dichloropropene	5.80	75	54172	20.417	ug/l	99
37) Ethyl Acetate	4.83	43	58715	21.511	ug/l	100
38) Carbon Tetrachloride	5.79	117	57799	20.117	ug/l	98

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MMDadoda
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 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	71625	20.537	ug/l	96
40) Benzene	6.14	78	174413	21.100	ug/l	99
41) Methacrylonitrile	5.04	41	31416	20.977	ug/l	97
42) 1,2-Dichloroethane	6.19	62	57387	22.807	ug/l	99
43) Isopropyl Acetate	6.44	43	93387	20.679	ug/l	98
44) Trichloroethene	7.21	130	50783	20.531	ug/l	99
45) 1,2-Dichloropropane	7.51	63	43732	20.950	ug/l	96
46) Dibromomethane	7.66	93	31615	21.109	ug/l	99
47) Bromodichloromethane	7.90	83	54898	20.001	ug/l	97
48) Methyl methacrylate	7.77	41	44325	21.116	ug/l	97
49) 1,4-Dioxane	7.74	88	24880	411.442	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	306833	106.234	ug/l	99
52) Toluene	8.78	92	112720	20.707	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	59023	19.181	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	67385	20.151	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	46697	20.800	ug/l	99
56) Ethyl methacrylate	9.18	69	68553	20.157	ug/l	96
57) 1,3-Dichloropropane	9.37	76	72348	20.760	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	148359	91.851	ug/l	100
59) 2-Hexanone	9.49	43	236031	103.833	ug/l	98
60) Dibromochloromethane	9.58	129	48554	19.316	ug/l	99
61) 1,2-Dibromoethane	9.67	107	50136	20.689	ug/l	99
64) Tetrachloroethene	9.34	164	49738	20.233	ug/l	98
65) Chlorobenzene	10.13	112	127619	20.682	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	45744	20.352	ug/l	99
67) Ethyl Benzene	10.25	91	214738	20.614	ug/l	99
68) m/p-Xylenes	10.36	106	167504	41.499	ug/l	99
69) o-Xylene	10.69	106	81638	20.567	ug/l	99
70) Styrene	10.71	104	138885	20.864	ug/l	99
71) Bromoform	10.85	173	35830	18.331	ug/l #	100
73) Isopropylbenzene	11.02	105	219626	20.583	ug/l	98
74) N-amyl acetate	10.90	43	83258	20.646	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	72309	20.462	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	59899m	20.882	ug/l	
77) Bromobenzene	11.25	156	58839	19.748	ug/l	97
78) n-propylbenzene	11.36	91	239321	20.407	ug/l	99
79) 2-Chlorotoluene	11.42	91	141677	20.288	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	181867	20.675	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20592	16.748	ug/l	91
82) 4-Chlorotoluene	11.51	91	161998	20.387	ug/l	100
83) tert-Butylbenzene	11.77	119	177859	20.145	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	182245	20.621	ug/l	99
85) sec-Butylbenzene	11.94	105	211507	20.403	ug/l	99
86) p-Isopropyltoluene	12.06	119	193218	20.151	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	103904	19.978	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	105404	19.907	ug/l	98
89) n-Butylbenzene	12.38	91	162208	19.908	ug/l	99
90) Hexachloroethane	12.60	117	29614	17.861	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	103907	20.102	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14721	19.321	ug/l	90

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ClientSampleId :
VX0708WBS01

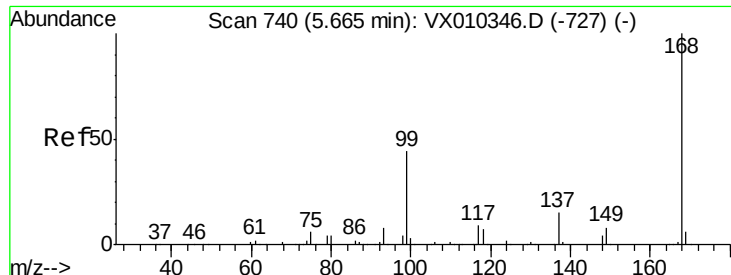
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	69093	19.275	ug/l	99
94) Hexachlorobutadiene	13.78	225	34315	19.587	ug/l	99
95) Naphthalene	13.83	128	210641	19.122	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	70641	19.820	ug/l	100

(#) = 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: VX010689.D

Acq: 08 Jul 2019 12:42

Instrument :

MSVOA_X

ClientSampled :

VX0708WBS01

Tgt Ion:168 Resp: 223725

Ion Ratio Lower Upper

168 100

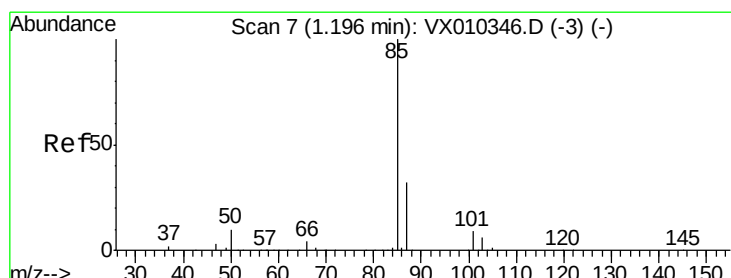
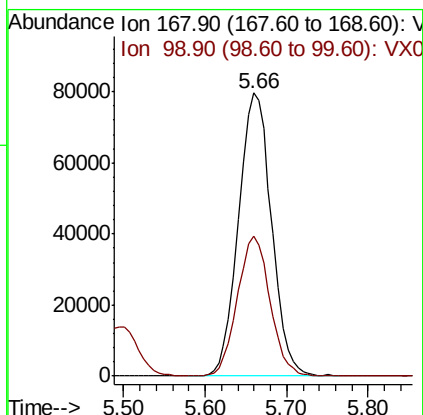
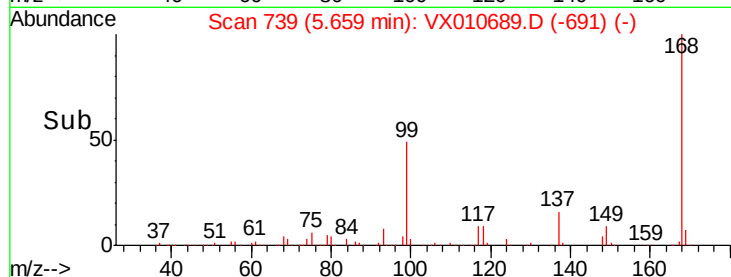
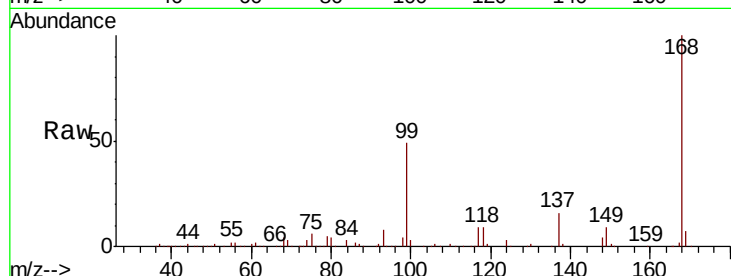
99 49.2 35.5 53.3

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#2

Dichlorodifluoromethane

Concen: 24.005 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010689.D

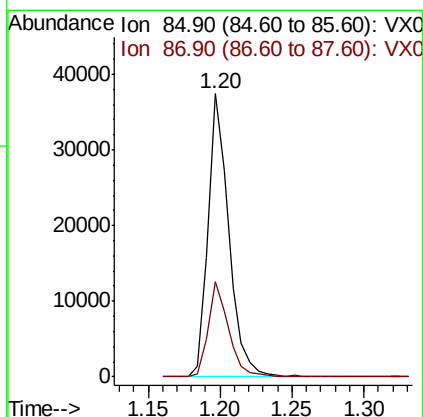
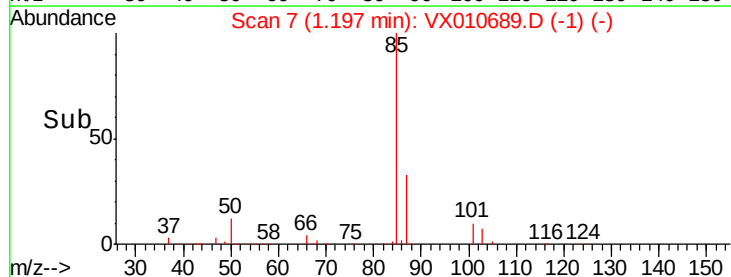
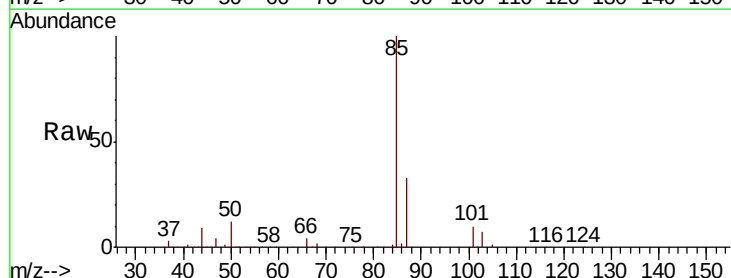
Acq: 08 Jul 2019 12:42

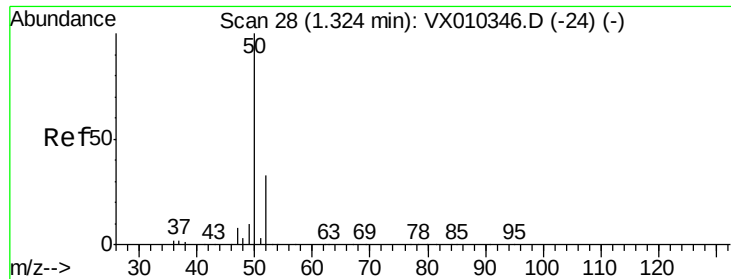
Tgt Ion: 85 Resp: 37337

Ion Ratio Lower Upper

85 100

87 33.4 16.3 48.8





#3

Chloromethane

Concen: 21.795 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0708WBS01

Tgt Ion: 50 Resp: 39475

Ion Ratio Lower Upper

50 100

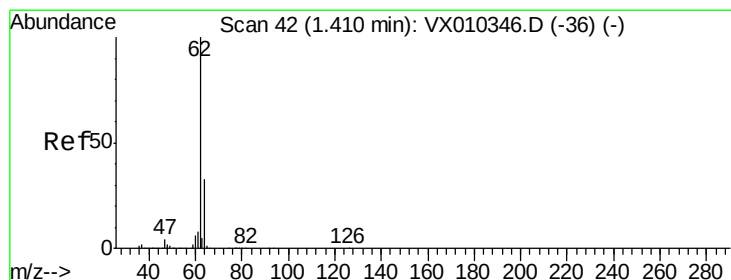
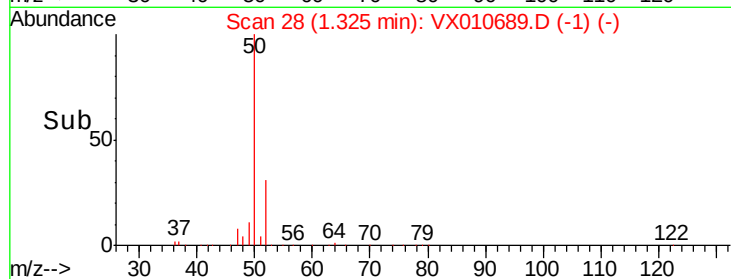
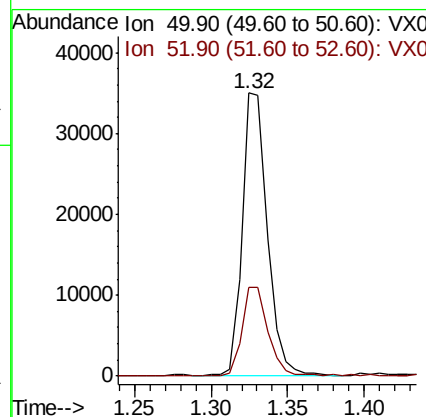
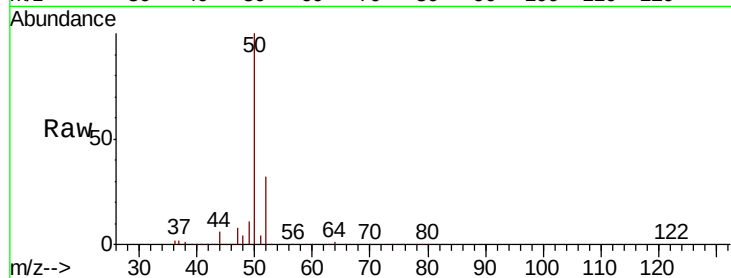
52 31.4 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.336 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010689.D

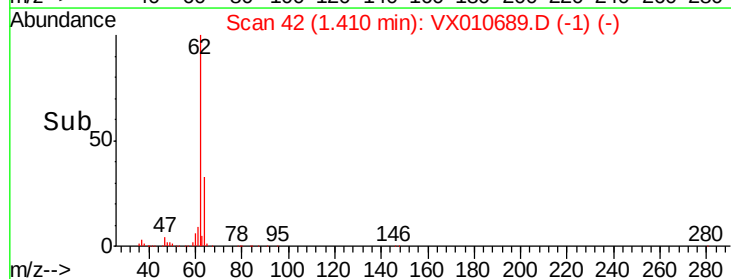
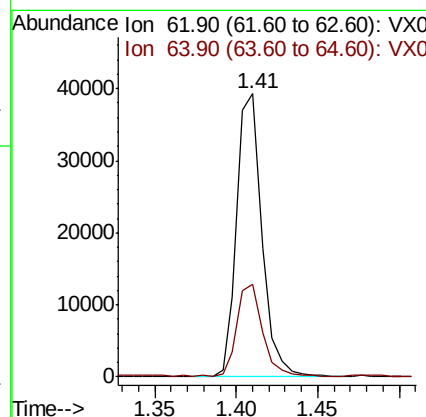
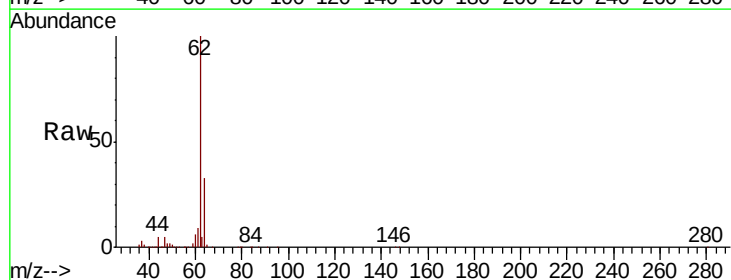
Acq: 08 Jul 2019 12:42

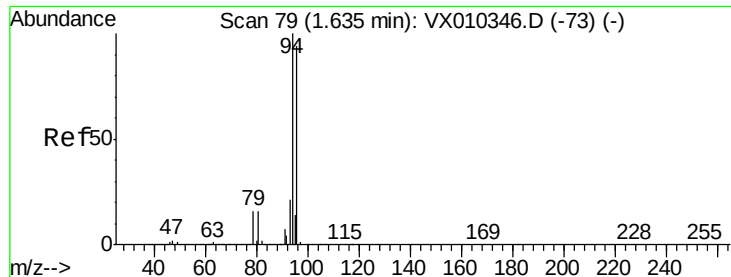
Tgt Ion: 62 Resp: 42325

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.4





#5

Bromomethane

Concen: 25.463 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Instrument :

MSVOA_X

ClientSampled :

VX0708WBS01

Tgt Ion: 94 Resp: 24609

Ion Ratio Lower Upper

94 100

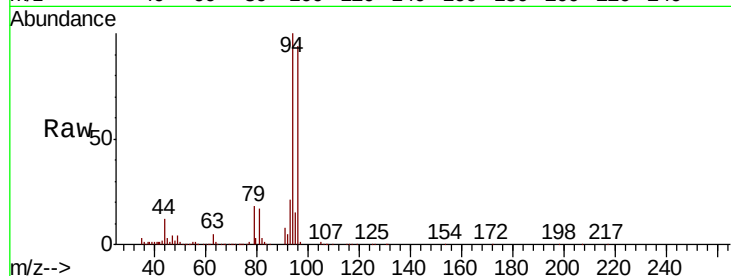
96 93.4 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

25000

20000

15000

10000

5000

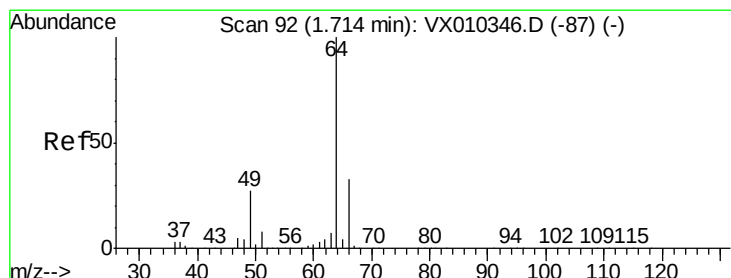
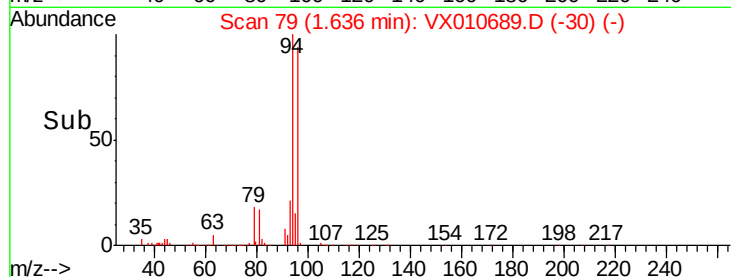
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 22.942 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010689.D

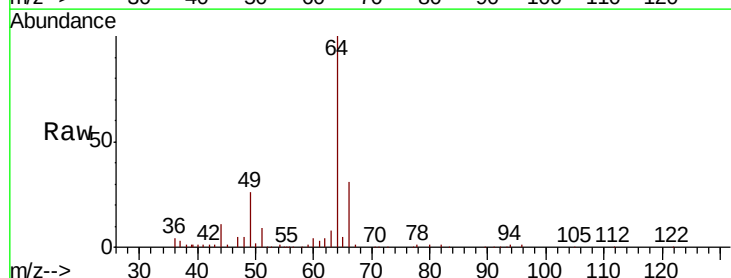
Acq: 08 Jul 2019 12:42

Tgt Ion: 64 Resp: 26851

Ion Ratio Lower Upper

64 100

66 31.7 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

20000

15000

10000

5000

0

1.65

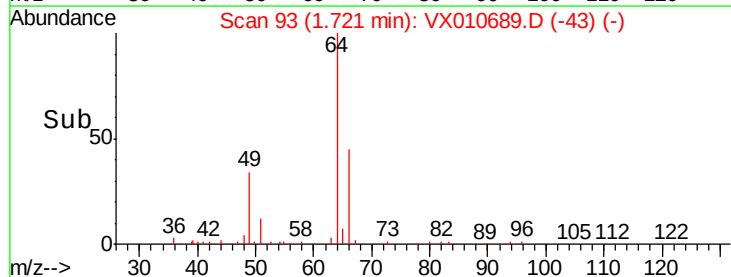
1.70

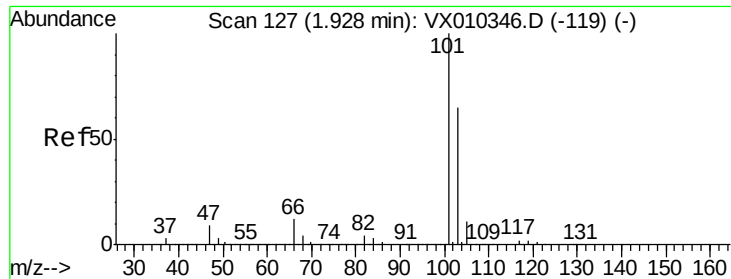
1.75

1.80

1.85

Time-->





#7

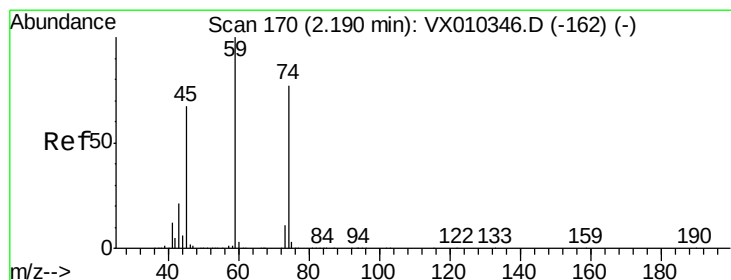
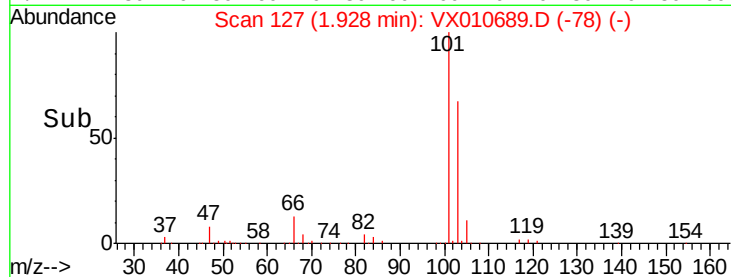
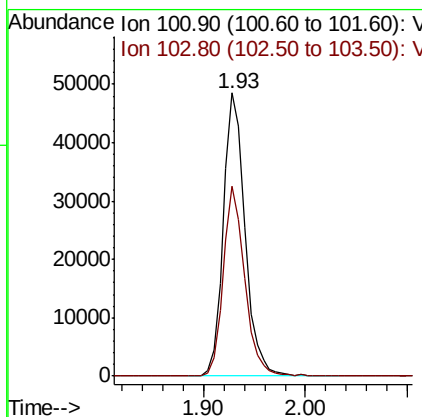
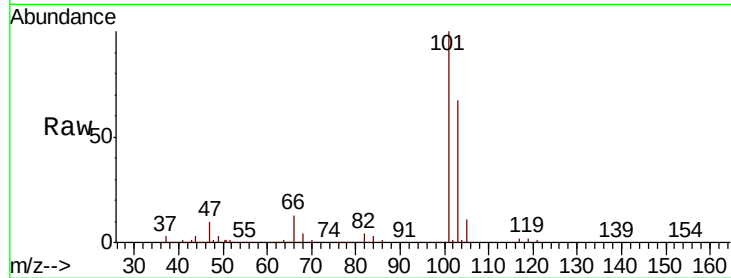
Trichlorofluoromethane
Concen: 22.796 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Instrument :
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ClientSampled :
VX0708WBS01

Tgt Ion: 101 Resp: 71688
Ion Ratio Lower Upper
101 100
103 67.2 52.3 78.5

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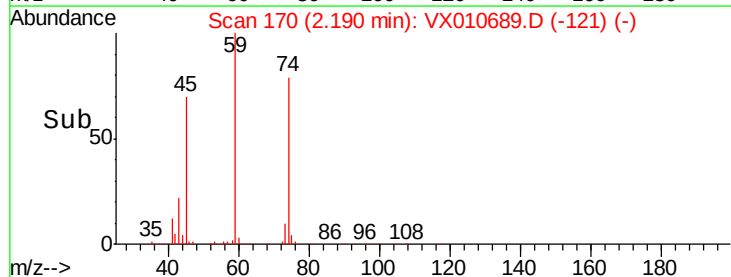
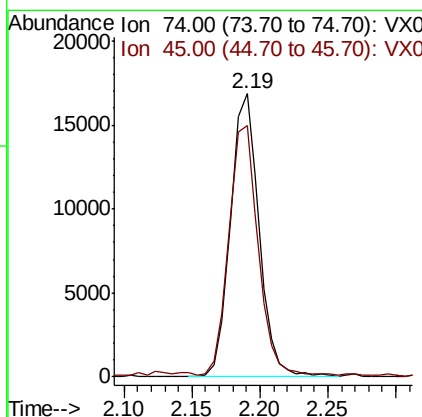
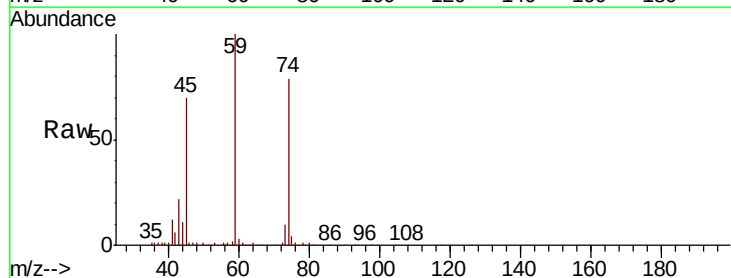
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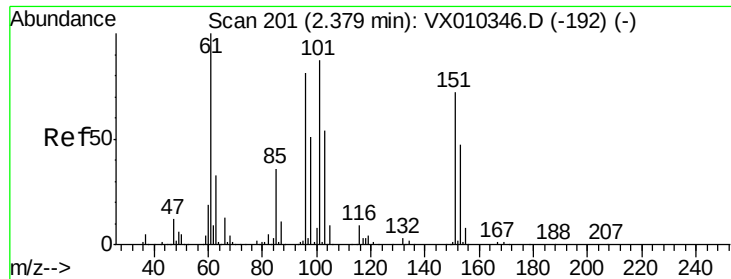


#8

Diethyl Ether
Concen: 21.897 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Tgt Ion: 74 Resp: 24695
Ion Ratio Lower Upper
74 100
45 89.3 44.8 134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.699 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Instrument :

MSVOA_X

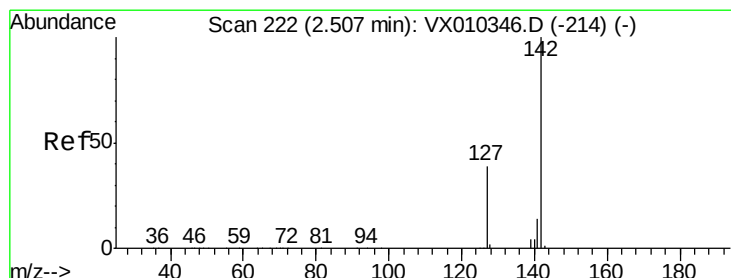
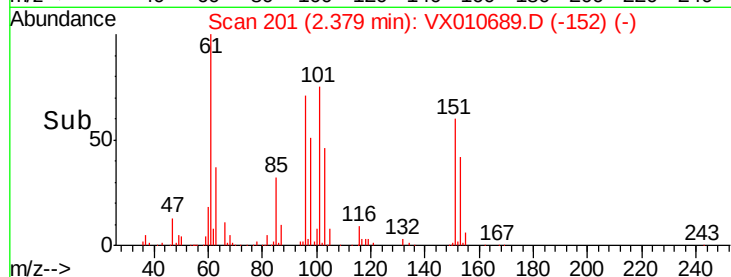
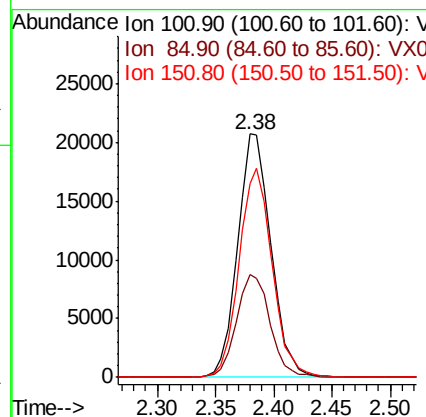
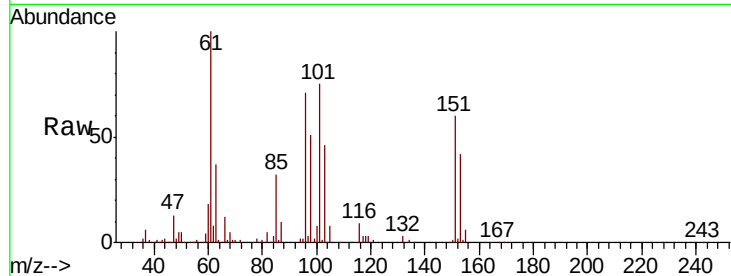
ClientSampleId :

VX0708WBS01

Tgt Ion:	101	Resp:	41352
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.7	50.5
151	85.3	70.1	105.1

Manual Integrations
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#10

Methyl Iodide

Concen: 17.519 ug/l

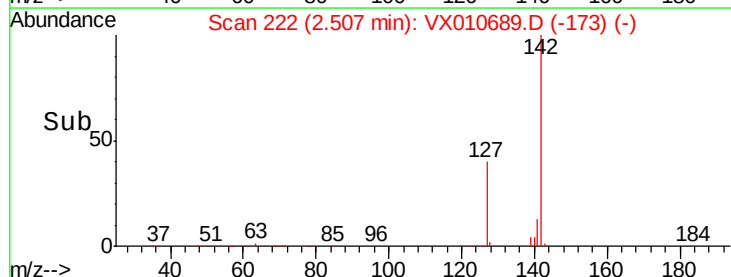
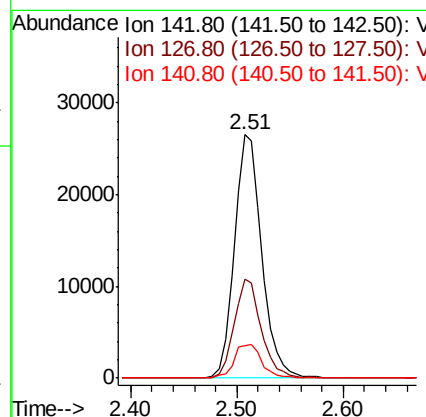
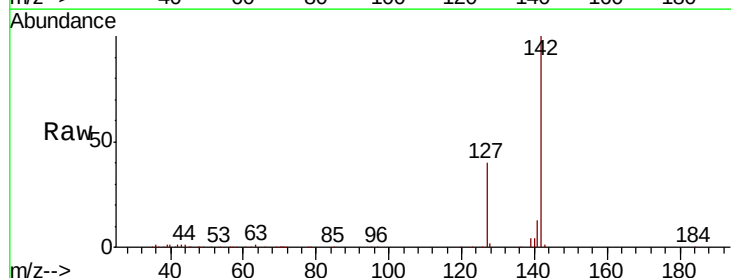
RT: 2.51 min Scan# 222

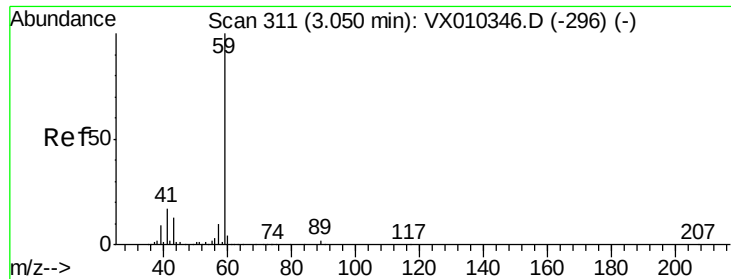
Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Tgt Ion:	142	Resp:	47648
Ion Ratio	Lower	Upper	
142	100		
127	40.5	31.1	46.7
141	14.1	11.2	16.8





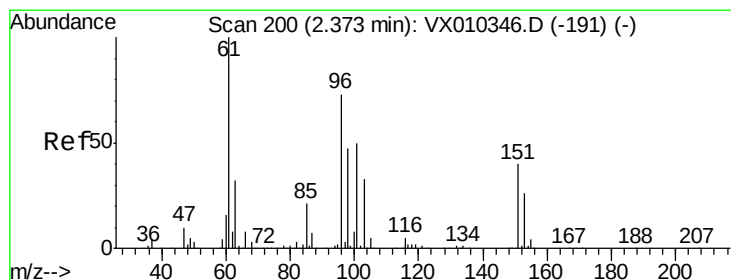
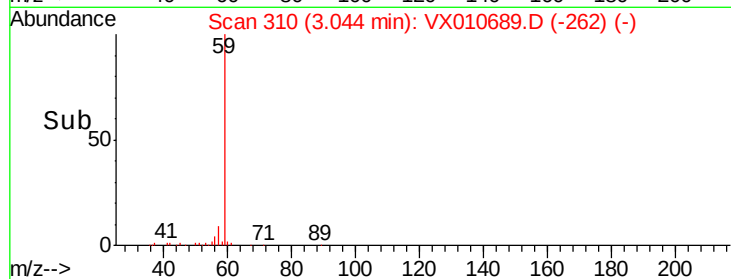
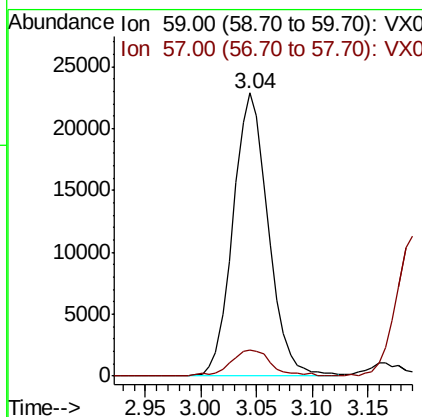
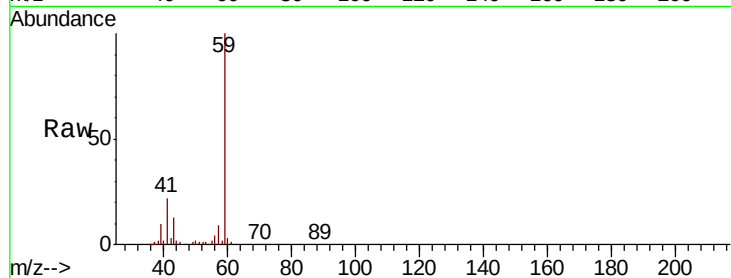
#11
Tert butyl alcohol
Concen: 91.609 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Instrument :
MSVOA_X
ClientSampled :
VX0708WBS01

Tgt Ion: 59 Resp: 50283
Ion Ratio Lower Upper
59 100
57 10.7 7.7 11.5

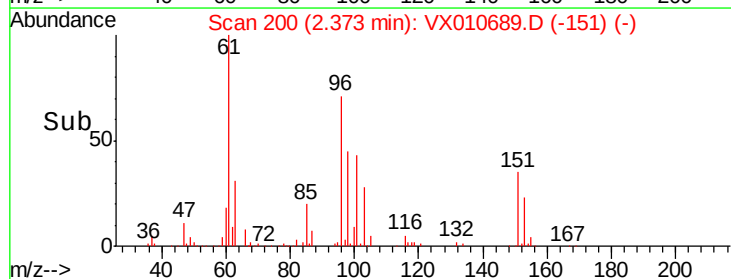
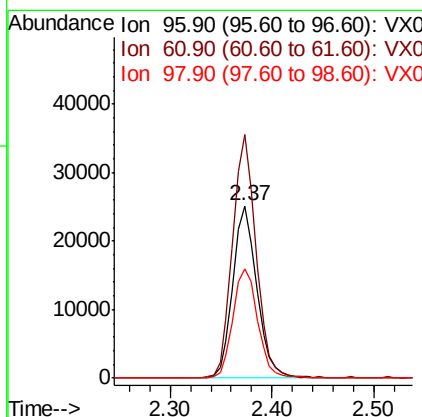
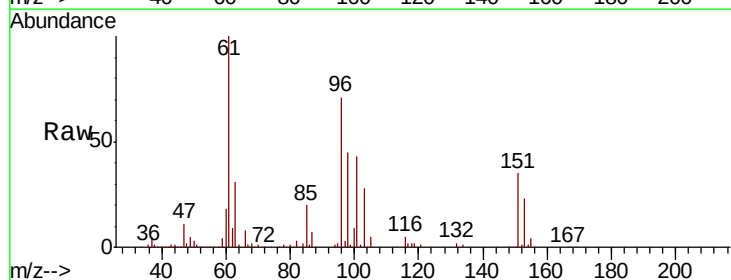
Manual Integrations
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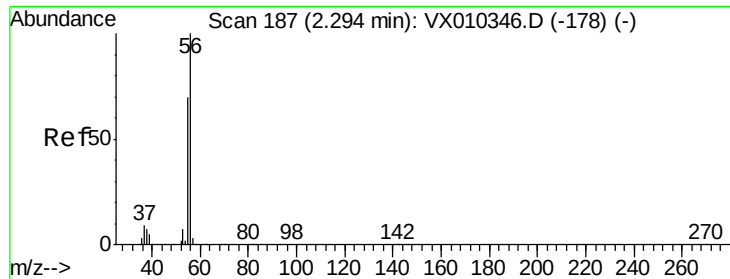
MMDadoda
7/9/2019 11:10:53 AM



#12
1,1-Dichloroethene
Concen: 21.054 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Tgt Ion: 96 Resp: 40827
Ion Ratio Lower Upper
96 100
61 141.4 109.2 163.8
98 63.7 51.1 76.7





#13

Acrolein

Concen: 83.976 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0708WBS01

Tgt Ion: 56 Resp: 30577

Ion Ratio Lower Upper

56 100

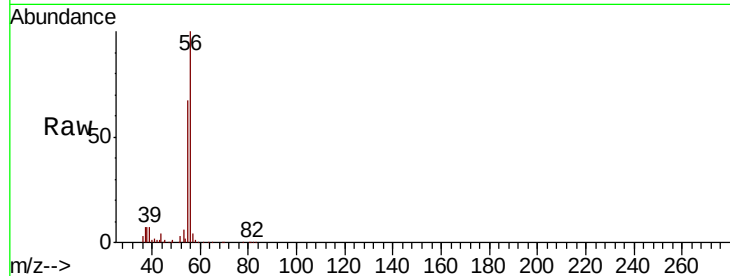
55 69.3 56.9 85.3

Manual Integrations

APPROVED

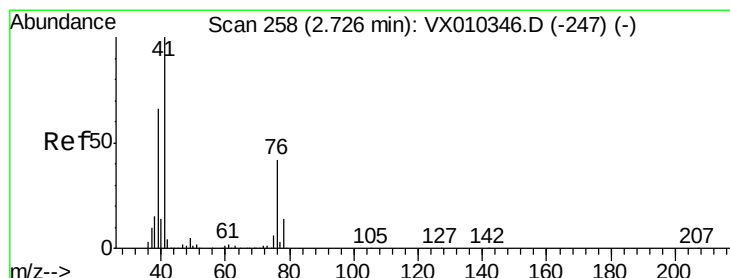
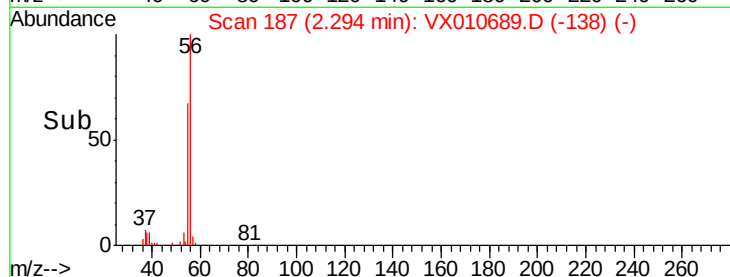
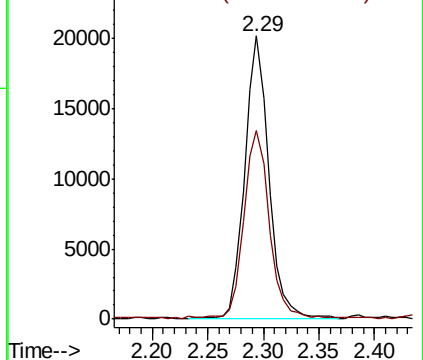
MMDadoda

7/9/2019 11:10:53 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 21.107 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

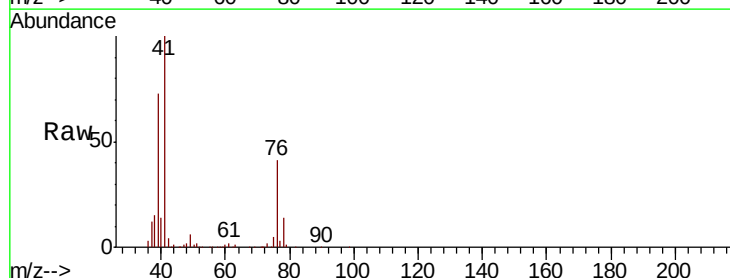
Tgt Ion: 41 Resp: 58110

Ion Ratio Lower Upper

41 100

39 65.6 50.3 75.5

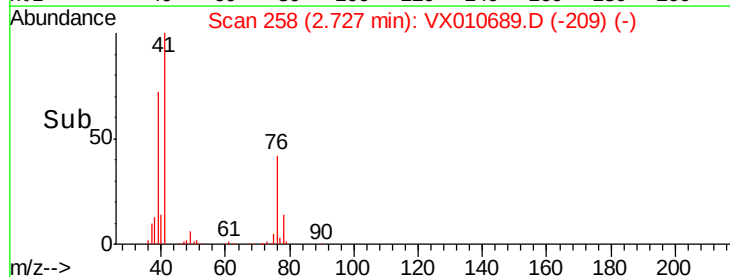
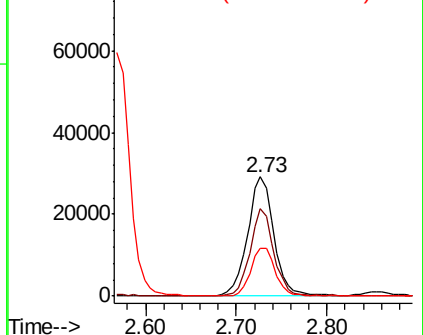
76 37.6 31.3 46.9

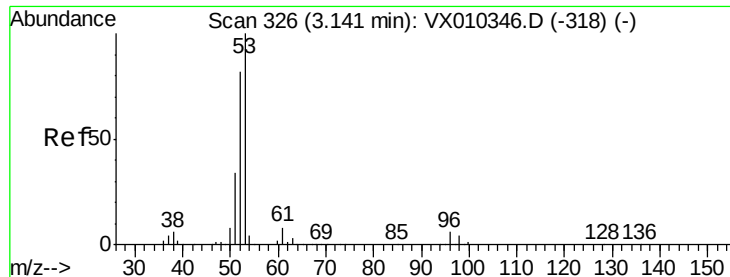


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 107.154 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Instrument :

MSVOA_X

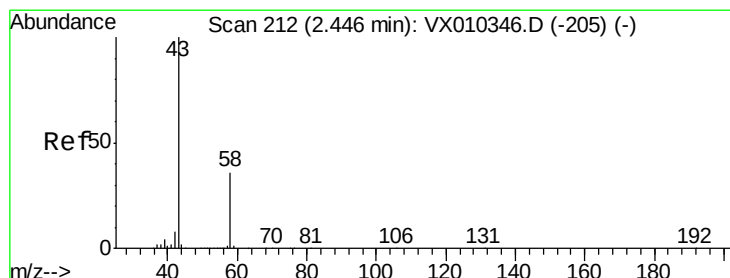
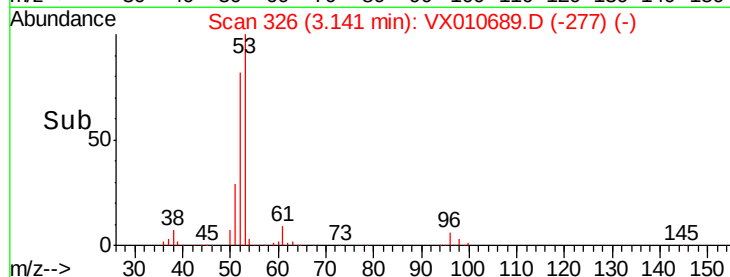
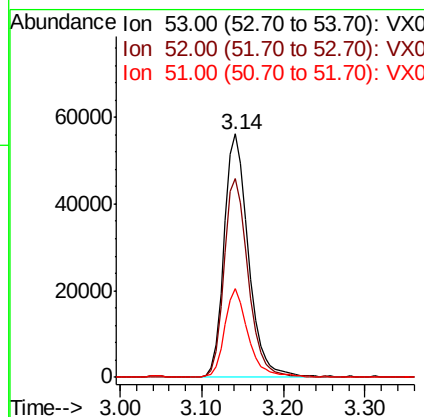
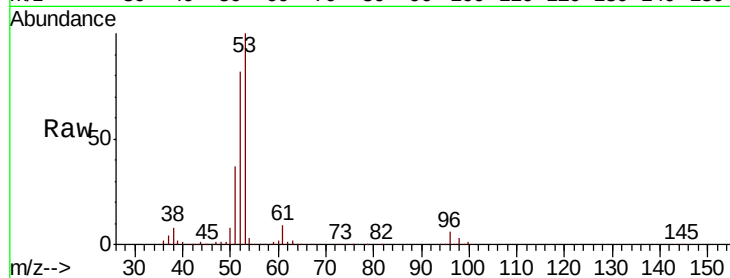
ClientSampleId :

VX0708WBS01

Tgt Ion:	53	Resp:	116448
Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.5	98.3
51	35.0	28.2	42.4

Manual Integrations
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MMDadoda
7/9/2019 11:10:53 AM



#16

Acetone

Concen: 94.365 ug/l

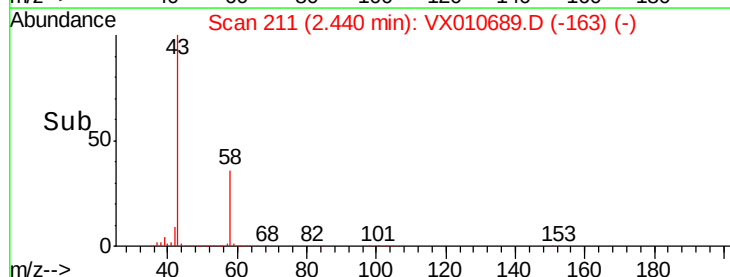
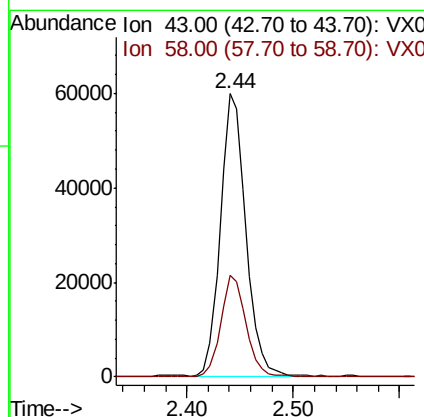
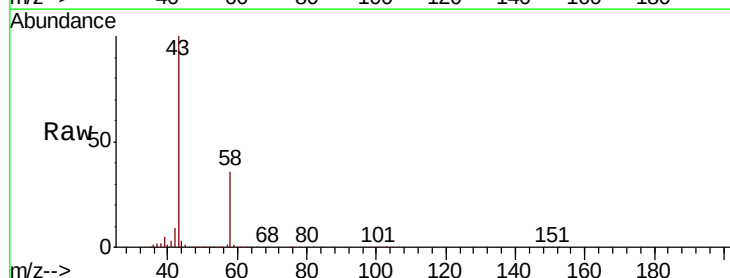
RT: 2.44 min Scan# 211

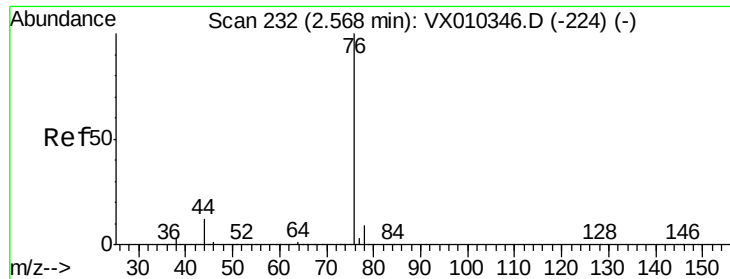
Delta R.T. -0.01 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Tgt Ion:	43	Resp:	99204
Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.9	43.3





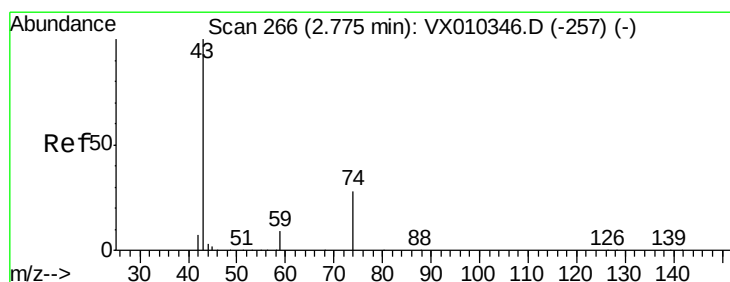
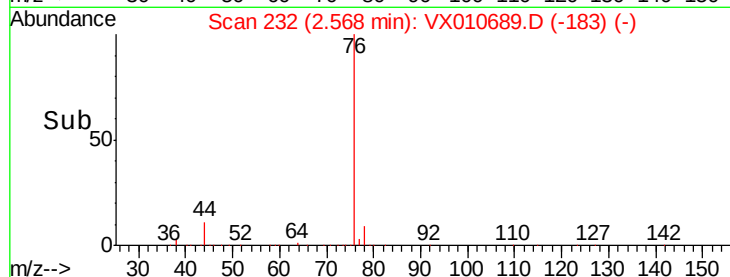
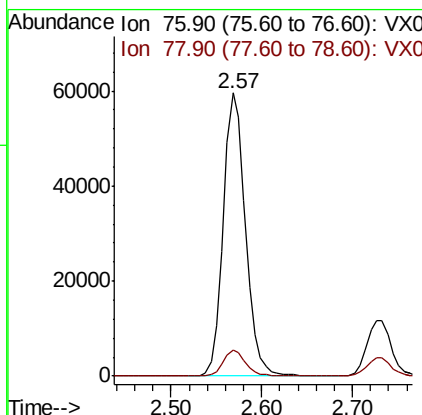
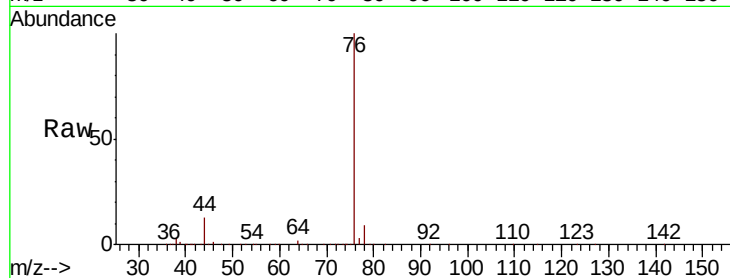
#17
Carbon Disulfide
Concen: 19.551 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0708WBS01

Tgt Ion: 76 Resp: 101716
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

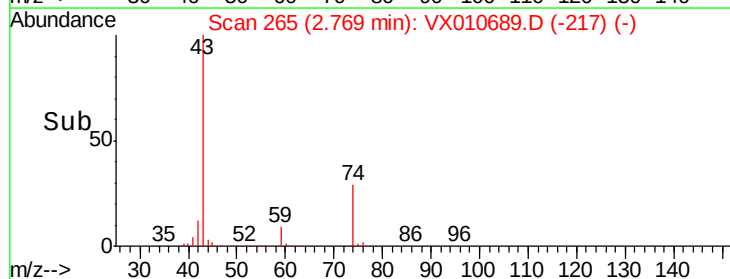
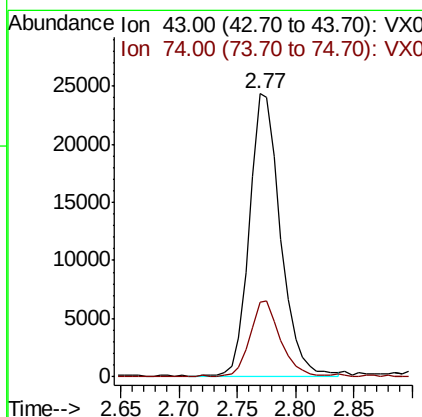
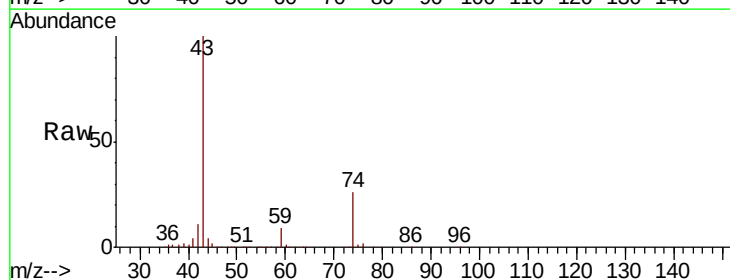
Manual Integrations
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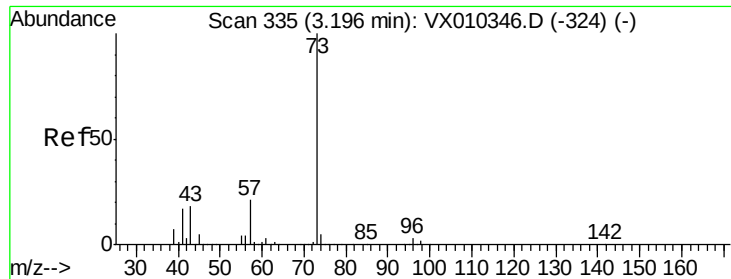
MMDadoda
7/9/2019 11:10:53 AM



#18
Methyl Acetate
Concen: 21.735 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Tgt Ion: 43 Resp: 45541
Ion Ratio Lower Upper
43 100
74 26.5 21.3 31.9





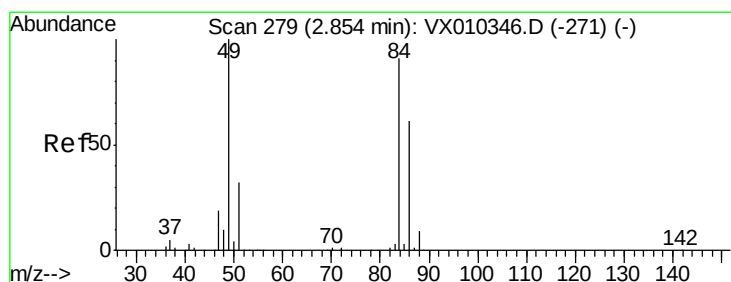
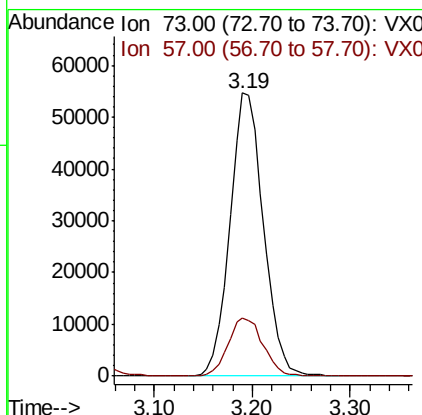
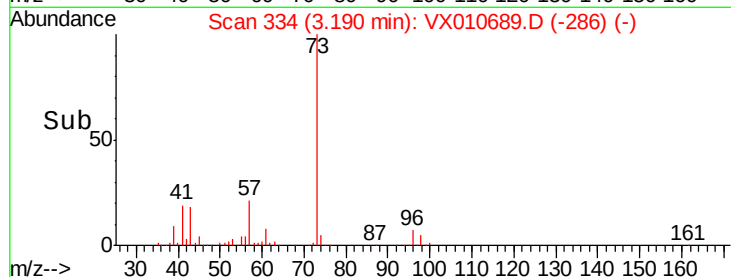
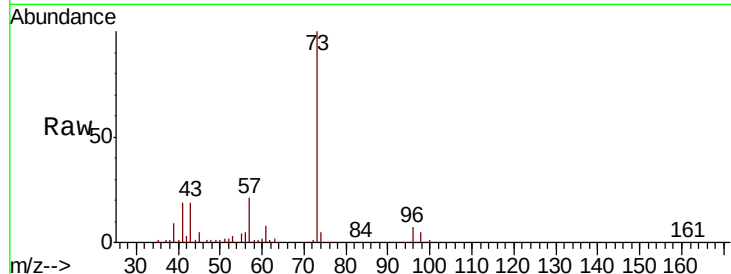
#19
Methyl tert-butyl Ether
Concen: 21.257 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0708WBS01

Tgt Ion: 73 Resp: 129680
Ion Ratio Lower Upper
73 100
57 20.5 16.4 24.6

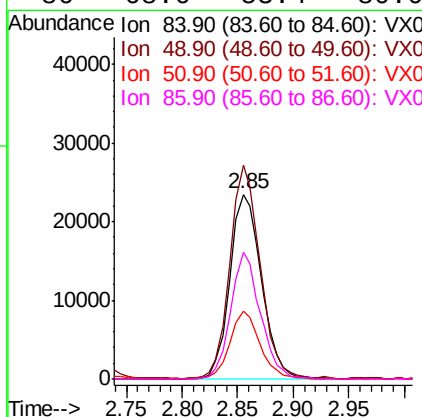
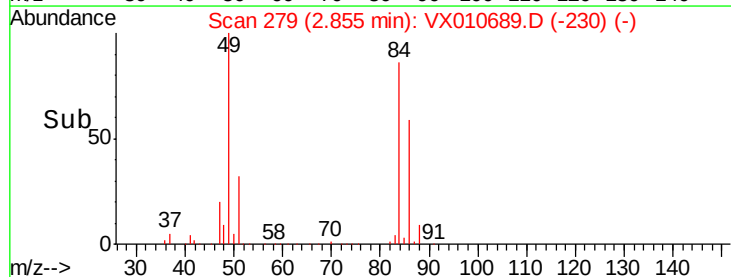
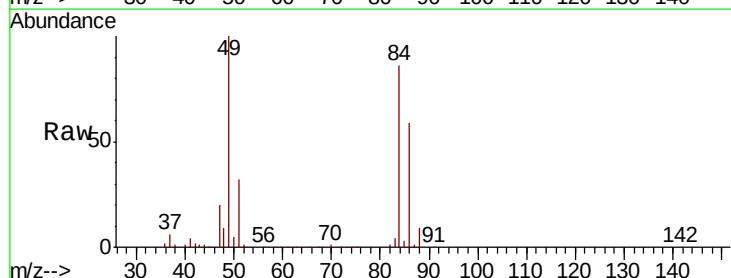
Manual Integrations
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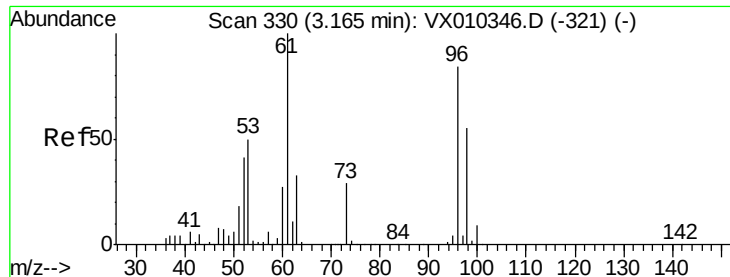
MMDadoda
7/9/2019 11:10:53 AM



#20
Methylene Chloride
Concen: 21.401 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Tgt Ion: 84 Resp: 46301
Ion Ratio Lower Upper
84 100
49 115.5 87.5 131.3
51 36.6 27.7 41.5
86 68.6 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 20.388 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Instrument :

MSVOA_X

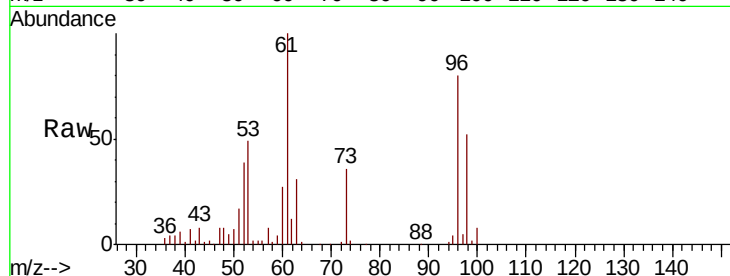
ClientSampleId :

VX0708WBS01

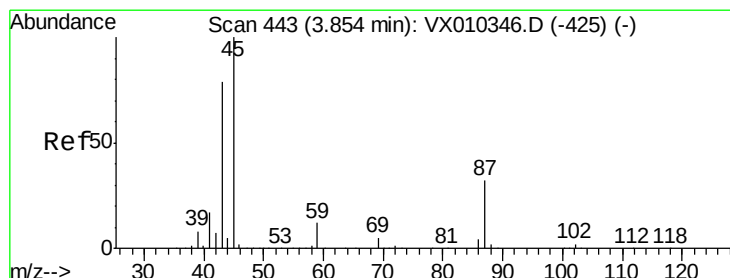
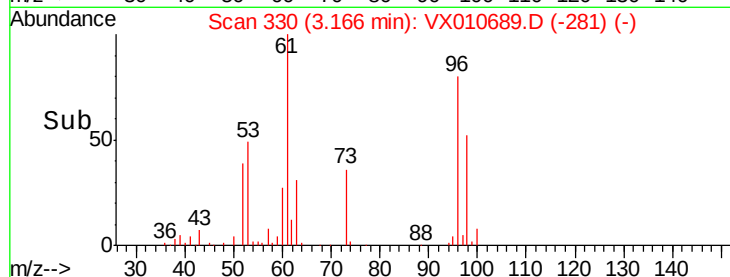
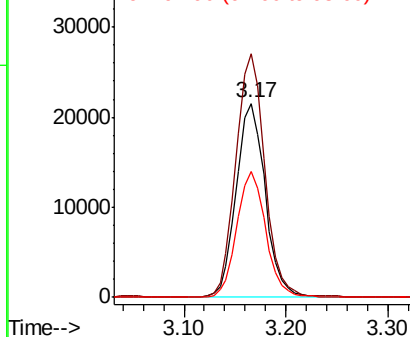
Tgt Ion:	96	Resp:	42521
Ion	Ratio	Lower	Upper
96	100		
61	125.7	95.6	143.4
98	64.7	52.5	78.7

Manual Integrations
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7/9/2019 11:10:53 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 21.241 ug/l

RT: 3.86 min Scan# 444

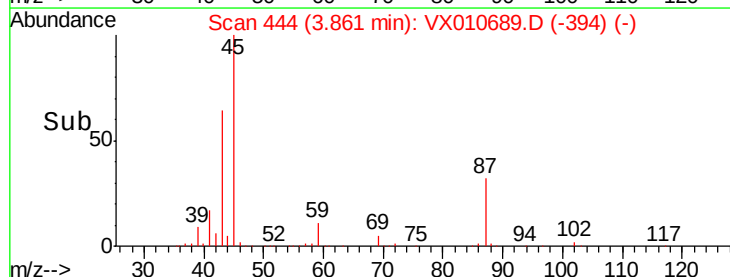
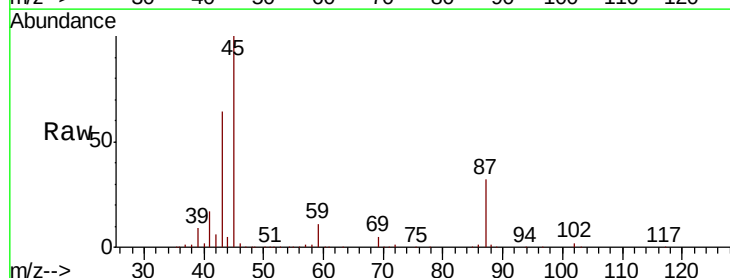
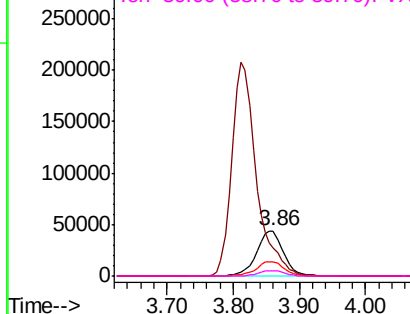
Delta R.T. 0.01 min

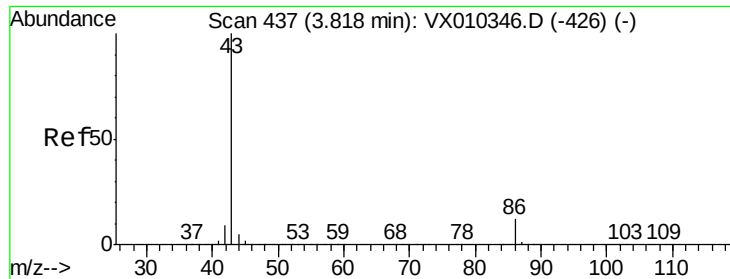
Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Tgt Ion:	45	Resp:	122267
Ion	Ratio	Lower	Upper
45	100		
43	63.4	63.3	94.9
87	31.8	25.8	38.8
59	11.4	9.6	14.4

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 107.971 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0708WBS01

Tgt Ion: 43 Resp: 536903

Ion Ratio Lower Upper

43 100

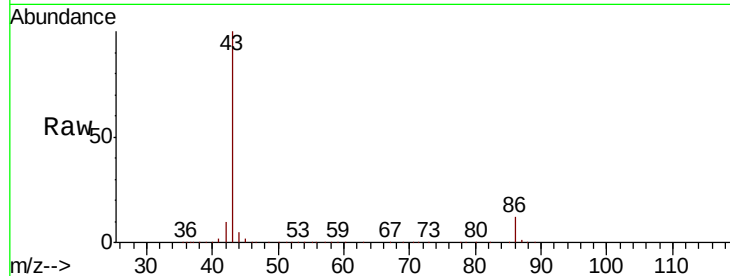
86 11.9 9.9 14.9

Manual Integrations

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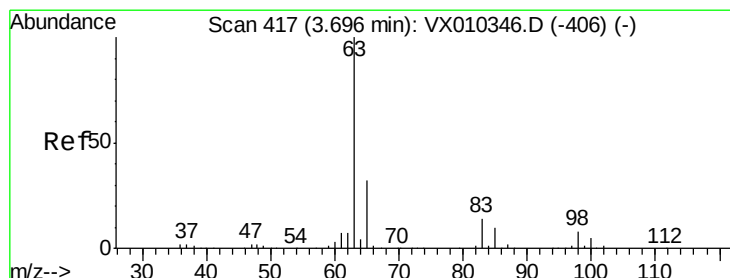
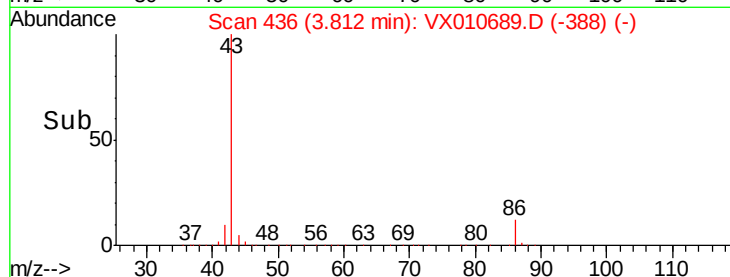
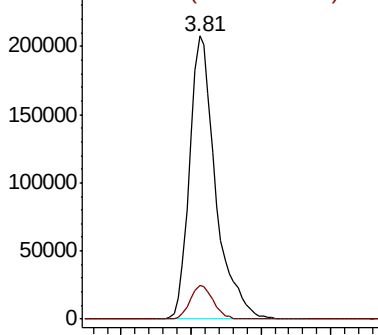
MMDadoda

7/9/2019 11:10:53 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 21.234 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

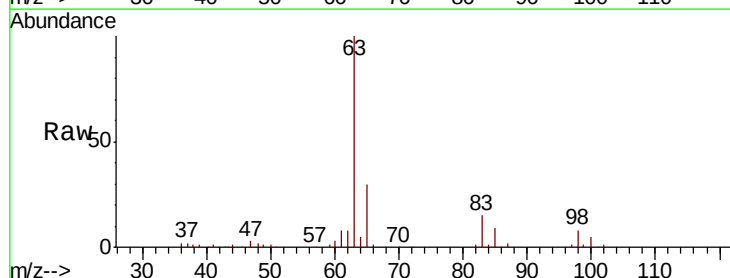
Tgt Ion: 63 Resp: 70650

Ion Ratio Lower Upper

63 100

98 8.4 3.9 11.7

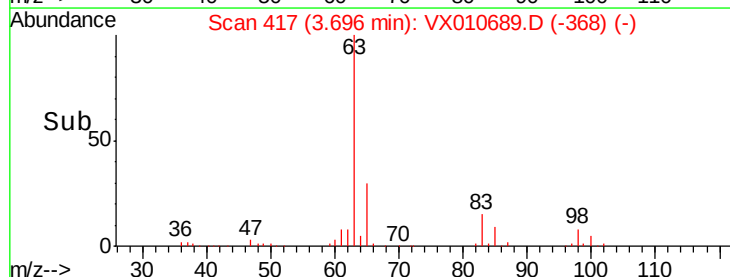
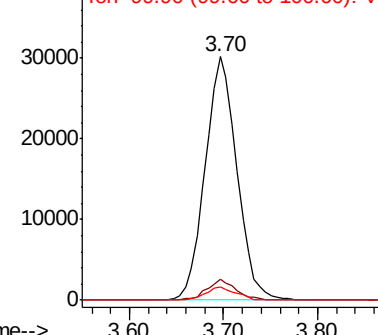
100 5.5 2.4 7.1

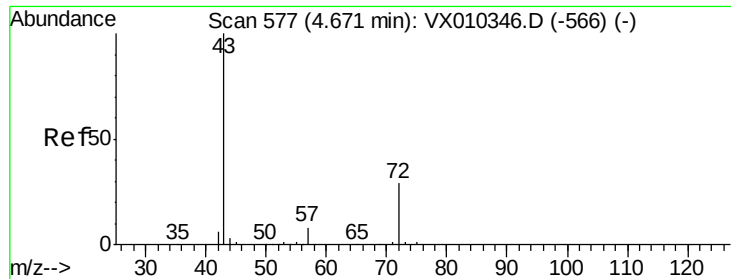


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 99.434 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0708WBS01

Tgt Ion: 43 Resp: 153336

Ion Ratio Lower Upper

43 100

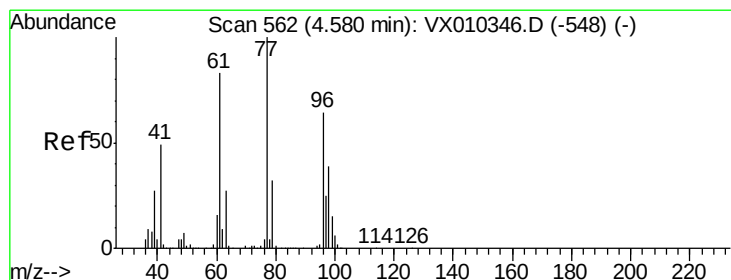
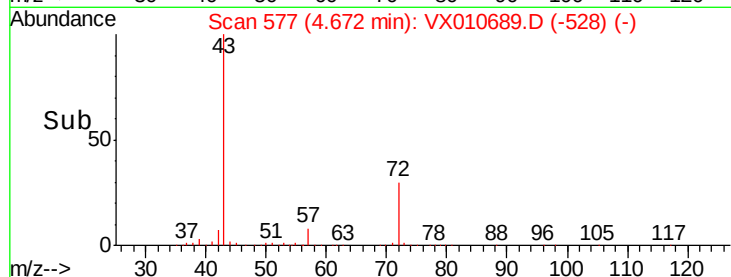
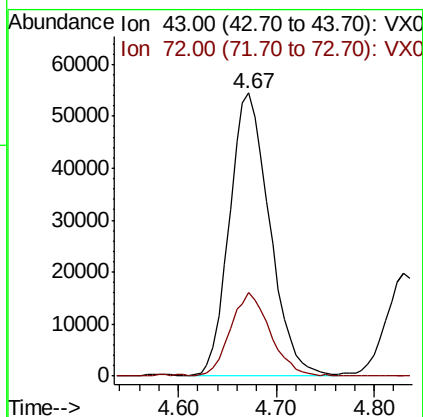
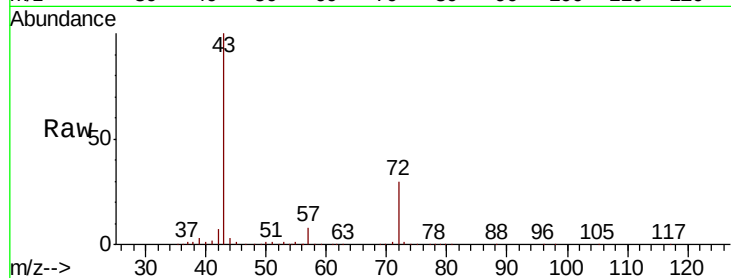
72 29.5 23.3 34.9

Manual Integrations

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7/9/2019 11:10:53 AM



#26

2,2-Dichloropropane

Concen: 19.727 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010689.D

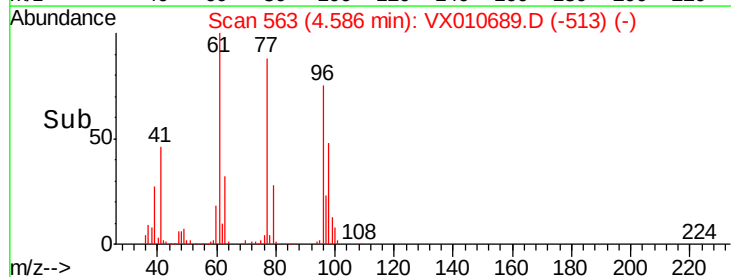
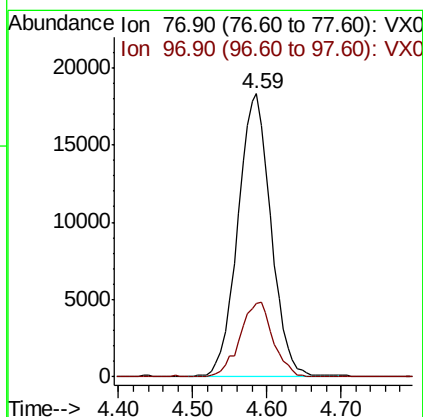
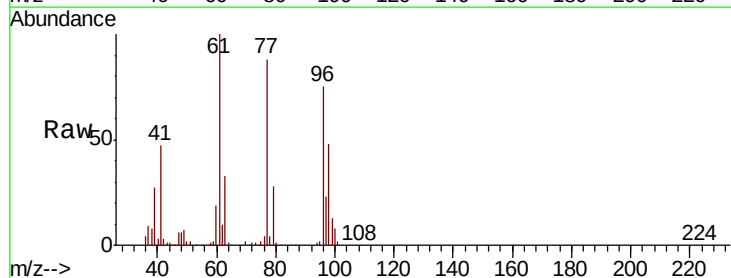
Acq: 08 Jul 2019 12:42

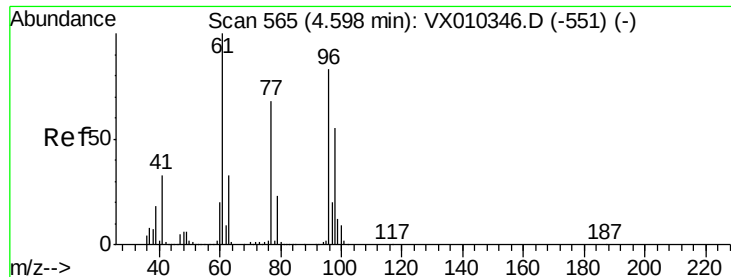
Tgt Ion: 77 Resp: 57017

Ion Ratio Lower Upper

77 100

97 26.3 13.1 39.3





#27

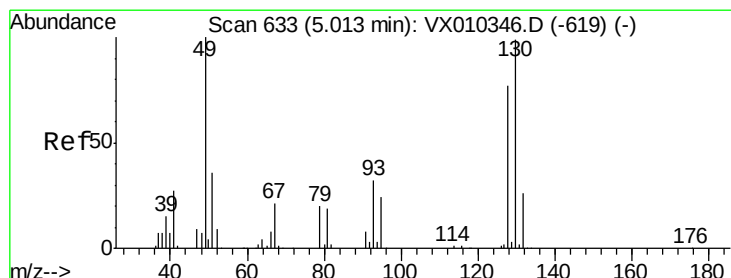
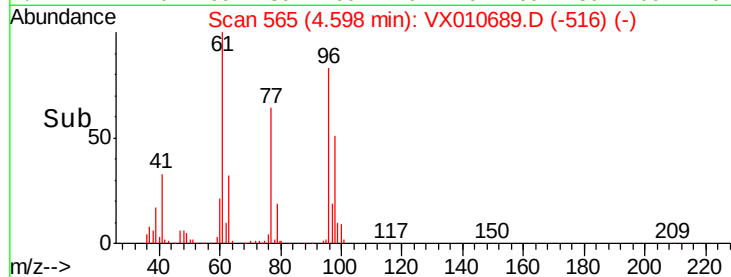
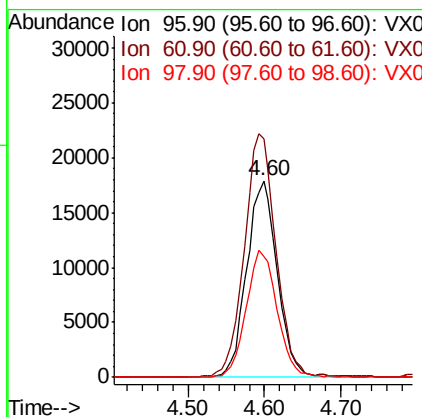
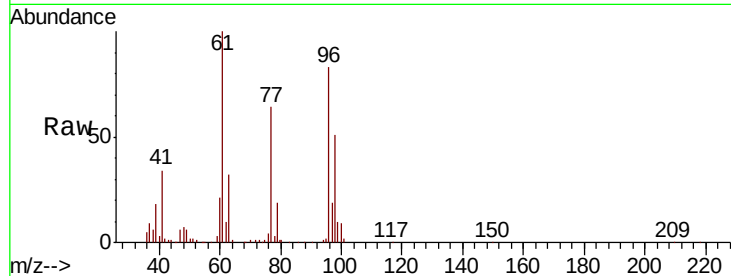
cis-1,2-Dichloroethene
Concen: 20.741 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0708WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	49989		
61	127.4	0.0	251.8	
98	65.1	0.0	129.4	

Manual Integrations
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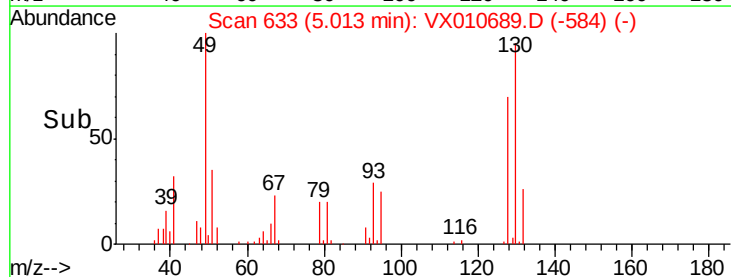
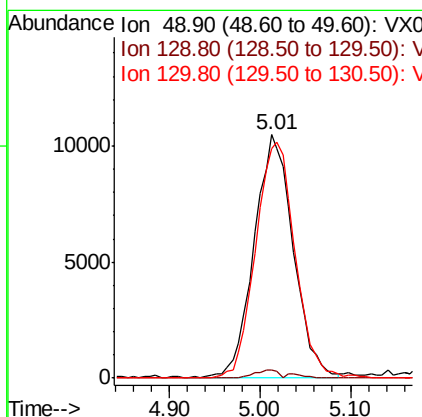
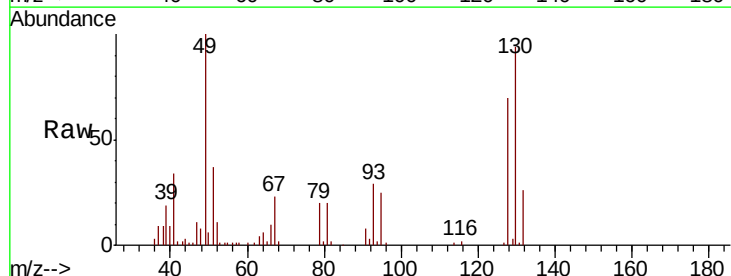
MMDadoda
7/9/2019 11:10:53 AM

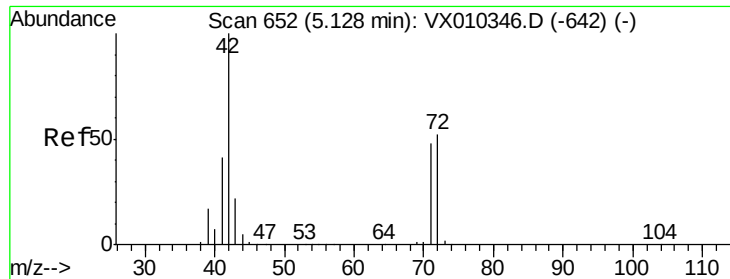


#28

Bromochloromethane
Concen: 19.743 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	31408		
129	1.9	0.0	5.6	
130	97.5	81.4	122.0	





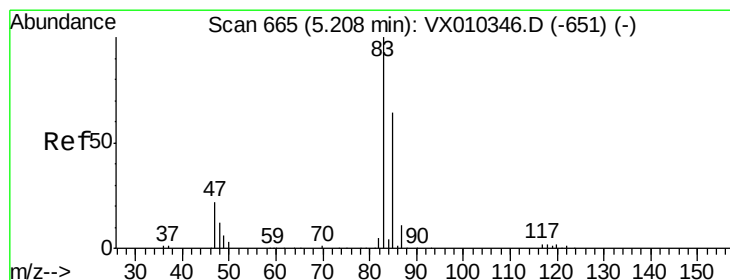
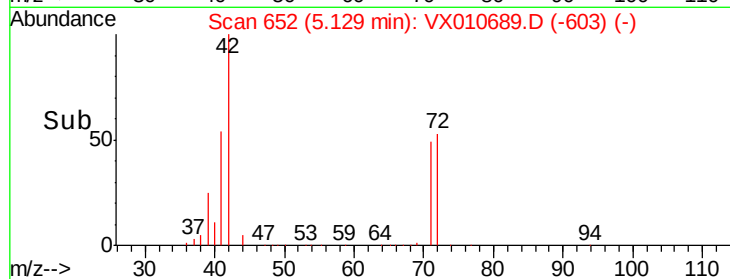
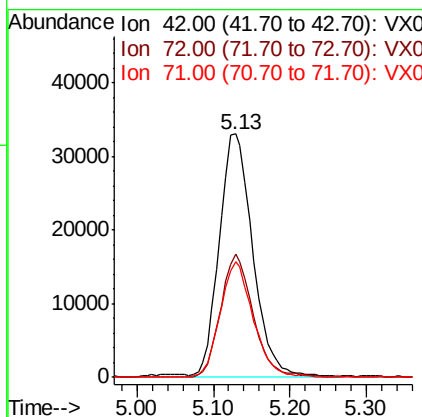
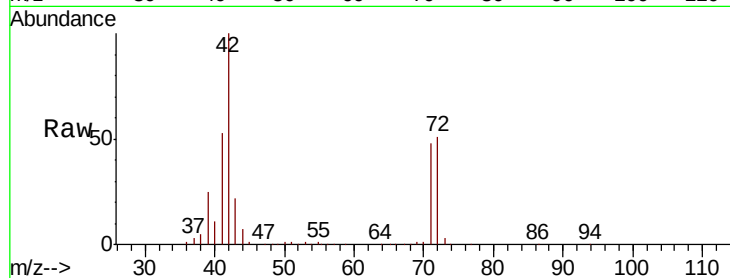
#29
Tetrahydrofuran
Concen: 104.056 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0708WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	50.1	40.6	60.8
71	46.7	37.8	56.8

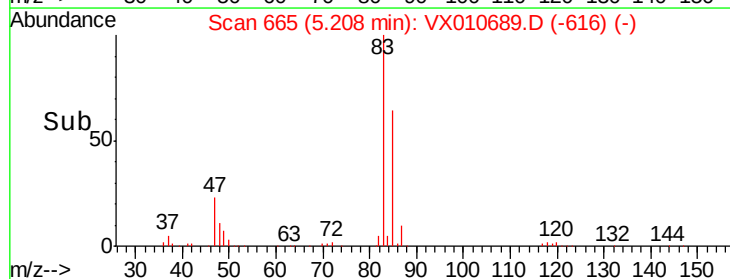
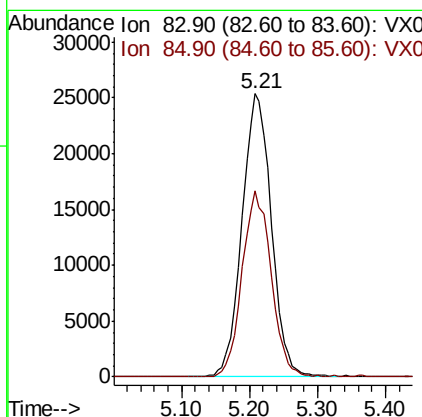
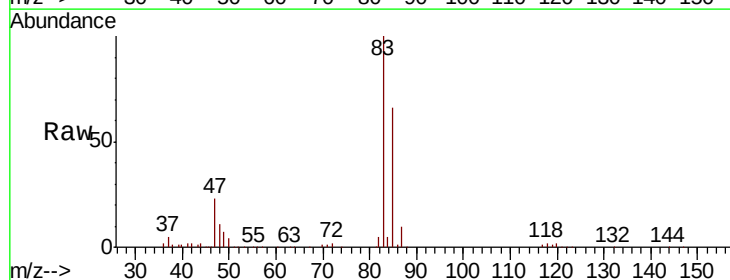
Manual Integrations
APPROVED

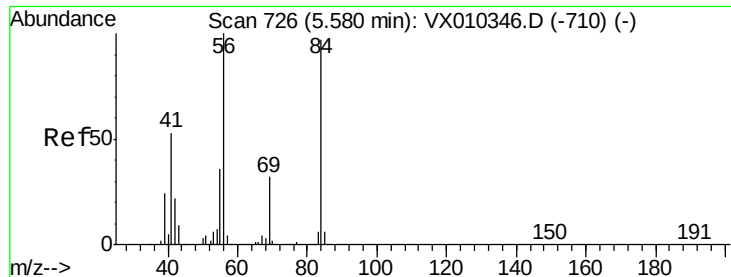
MMDadoda
7/9/2019 11:10:53 AM



#30
Chloroform
Concen: 21.235 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.9	76.3





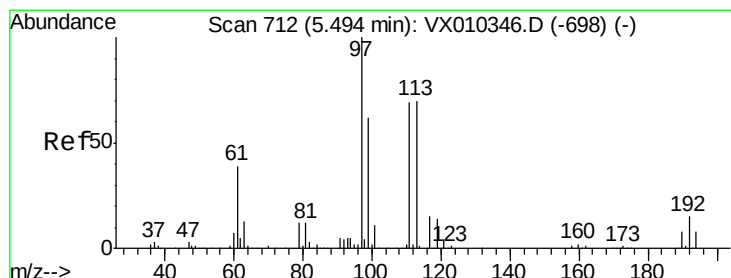
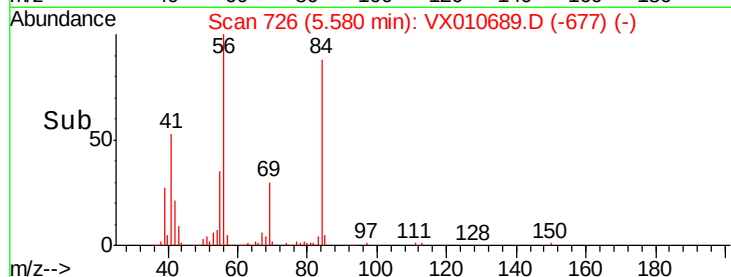
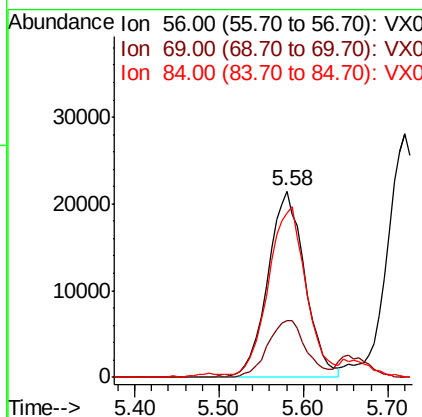
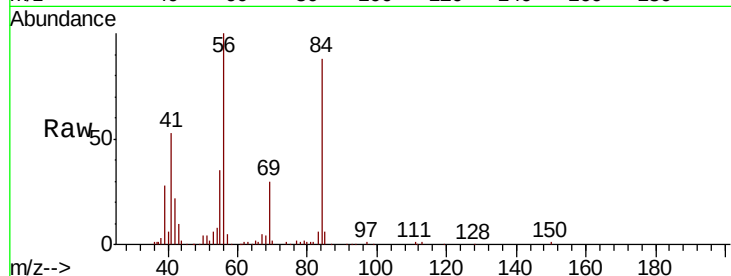
#31
Cyclohexane
Concen: 21.625 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0708WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.9	38.9
84	87.3	78.0	117.0

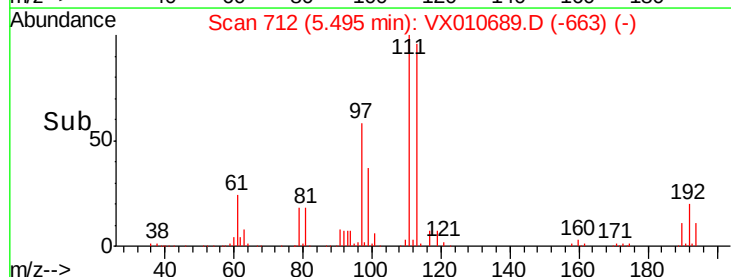
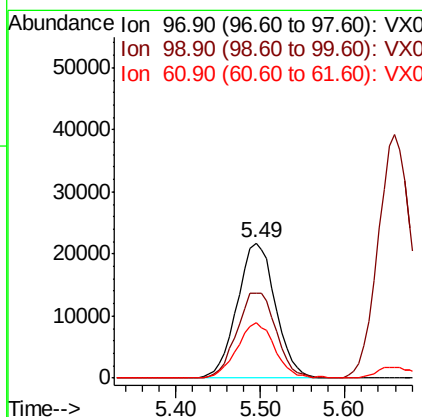
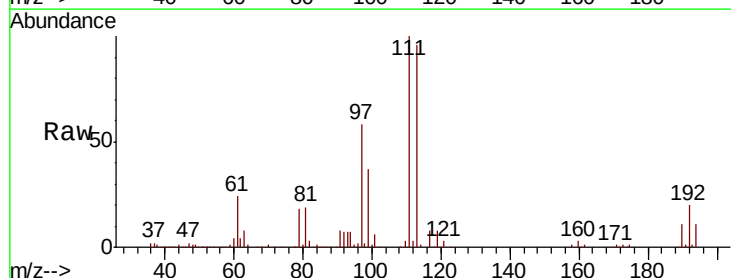
Manual Integrations
APPROVED

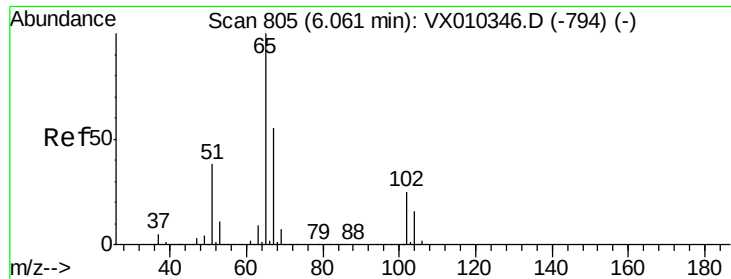
MMDadoda
7/9/2019 11:10:53 AM



#32
1,1,1-Trichloroethane
Concen: 21.159 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.8	77.8
61	40.9	32.1	48.1





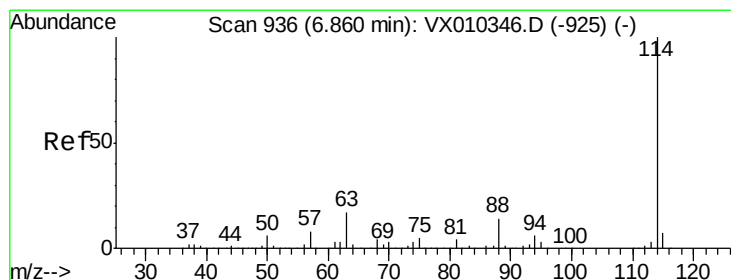
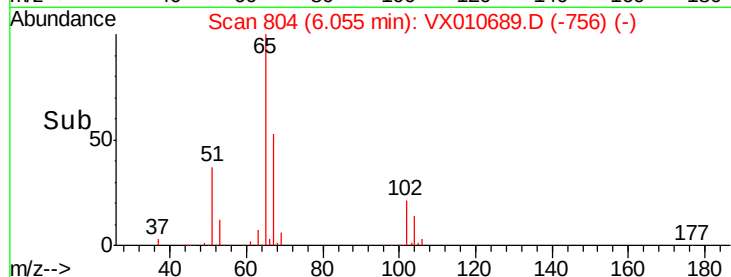
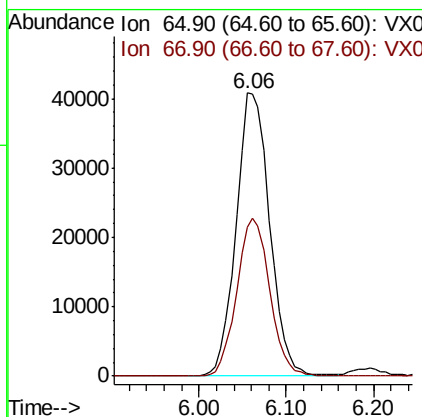
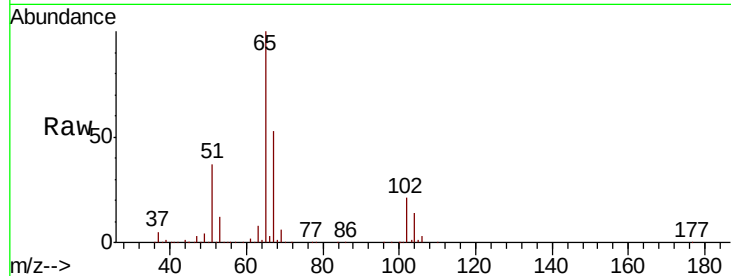
#33
 1,2-Dichloroethane-d4
 Concen: 51.926 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX010689.D
 Acq: 08 Jul 2019 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0708WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	108923		
67	54.7	0.0	110.2	

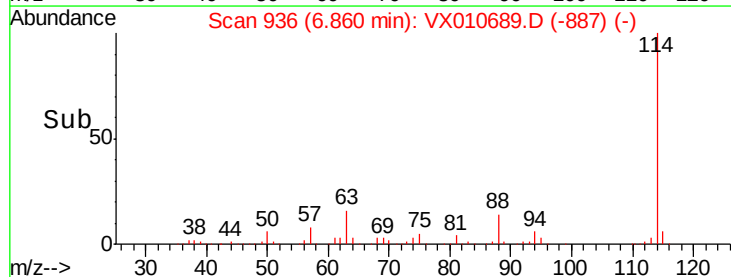
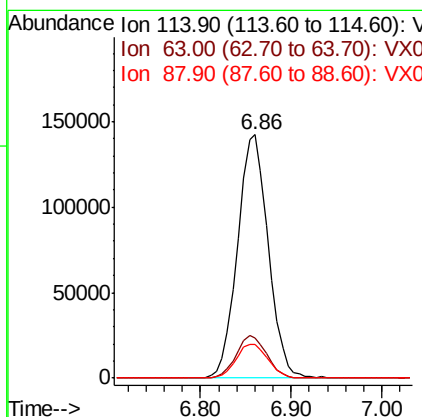
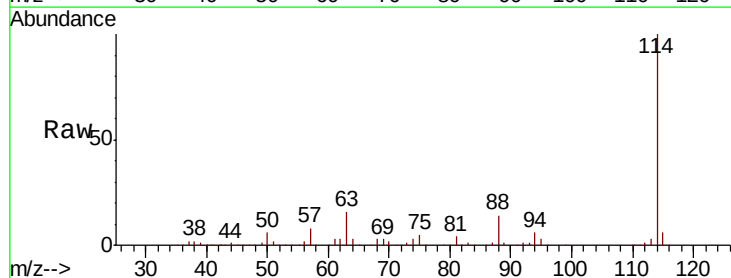
Manual Integrations
 APPROVED

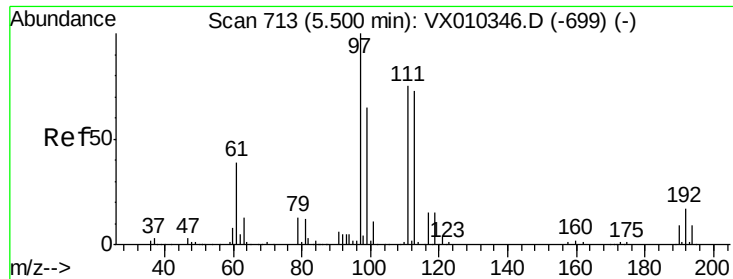
MMDadoda
 7/9/2019 11:10:53 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010689.D
 Acq: 08 Jul 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	333890		
63	16.5	0.0	33.8	
88	13.9	0.0	27.6	





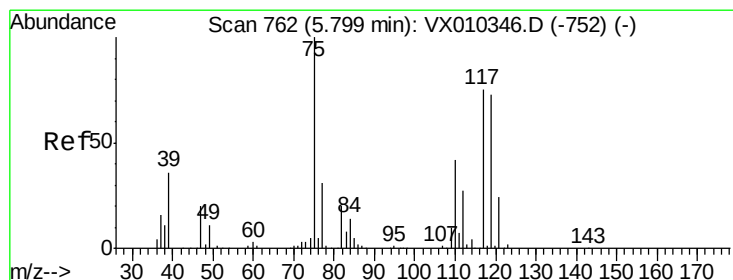
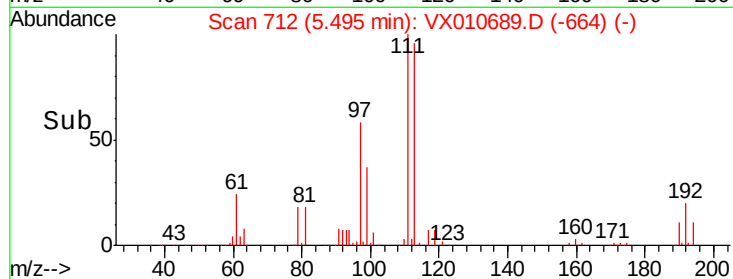
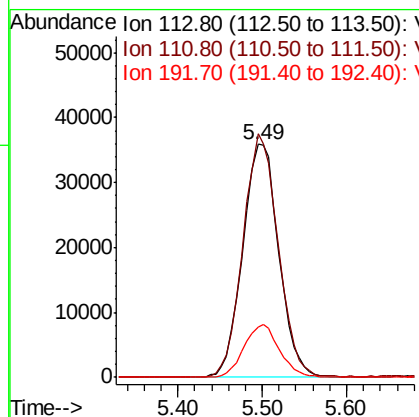
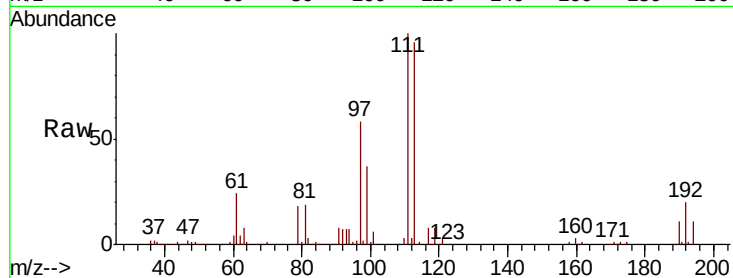
#35
 Dibromofluoromethane
 Concen: 50.965 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010689.D
 Acq: 08 Jul 2019 12:42

Instrument :
 MSVOA_X
 ClientSampled :
 VX0708WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	104115		
111	101.7	81.2	121.8	
192	22.1	18.6	27.8	

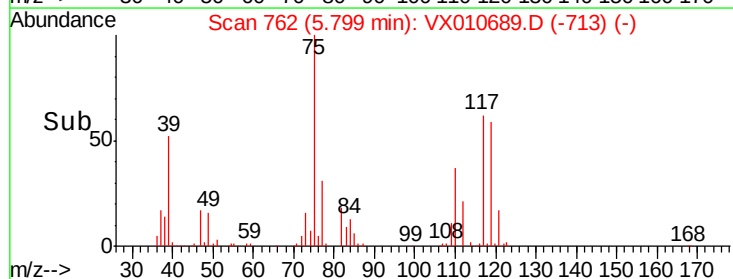
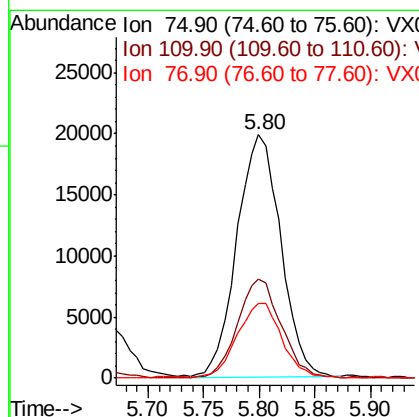
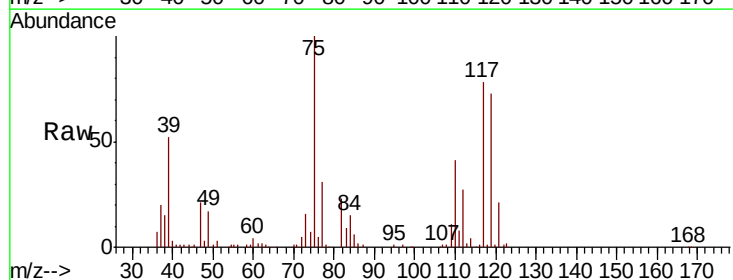
Manual Integrations
 APPROVED

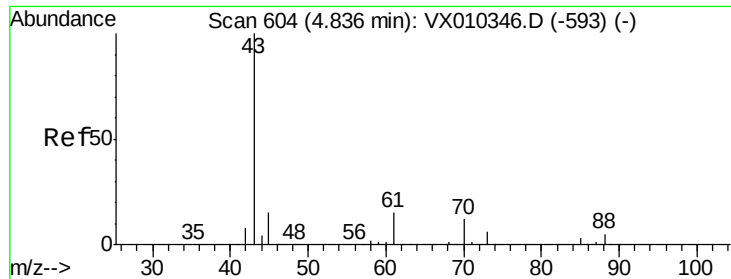
MMDadoda
 7/9/2019 11:10:53 AM



#36
 1,1-Dichloropropene
 Concen: 20.417 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX010689.D
 Acq: 08 Jul 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	54172		
110	40.7	20.8	62.2	
77	31.8	25.4	38.0	





#37

Ethyl Acetate

Concen: 21.511 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Instrument :

MSVOA_X

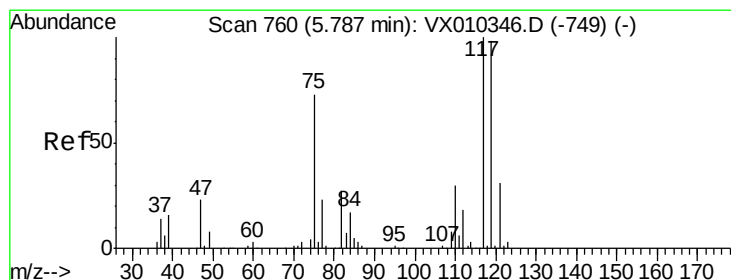
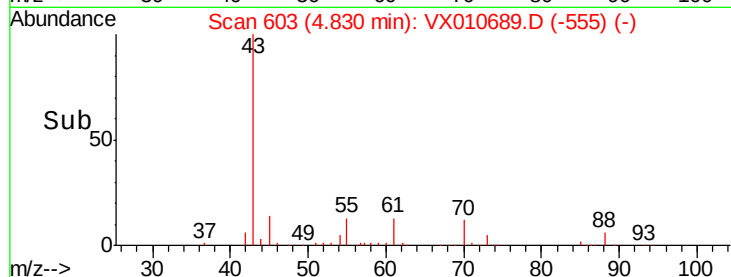
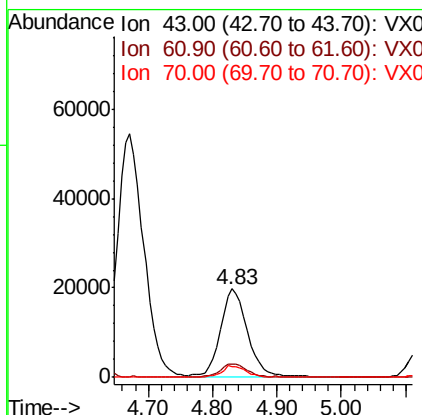
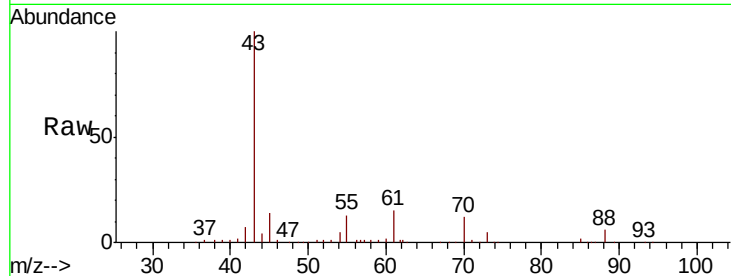
ClientSampled :

VX0708WBS01

Tgt Ion:	43	Resp:	58715
Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.4	18.6
70	12.1	9.8	14.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 20.117 ug/l

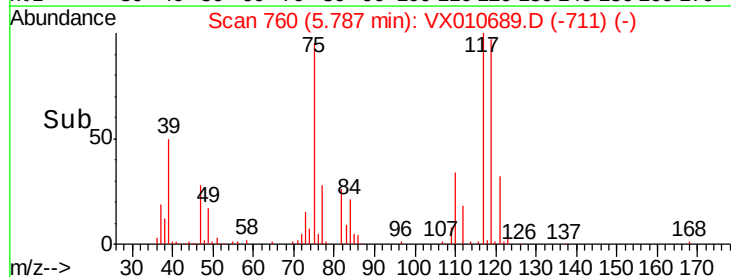
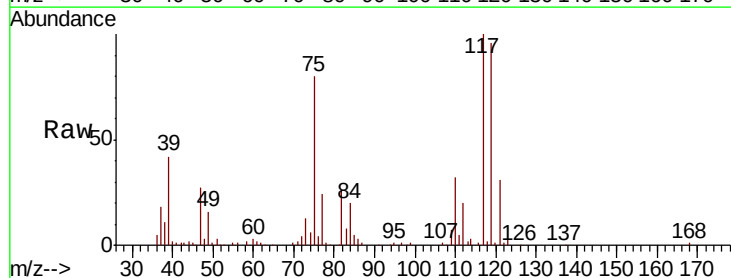
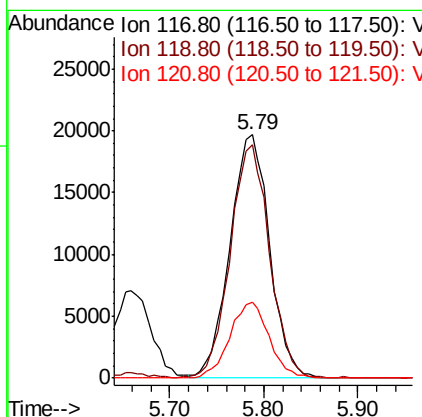
RT: 5.79 min Scan# 760

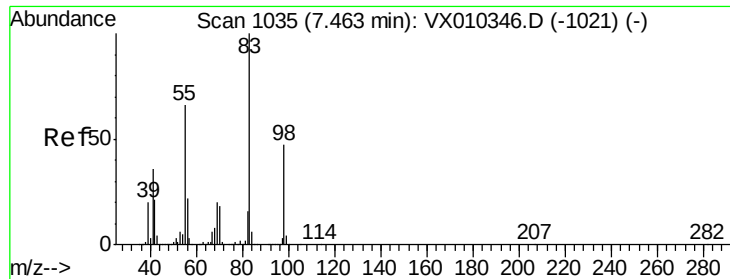
Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Tgt Ion:	117	Resp:	57799
Ion	Ratio	Lower	Upper
117	100		
119	95.4	78.2	117.4
121	31.0	24.7	37.1





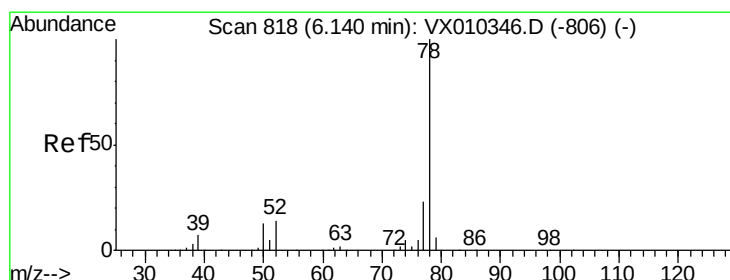
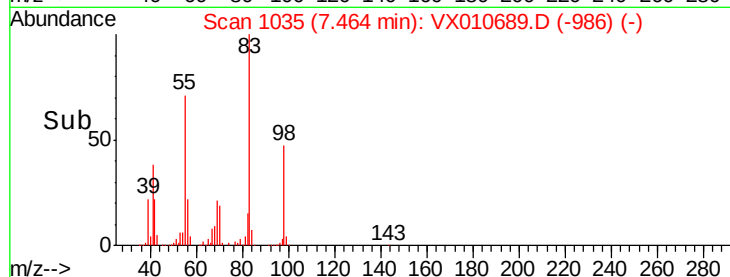
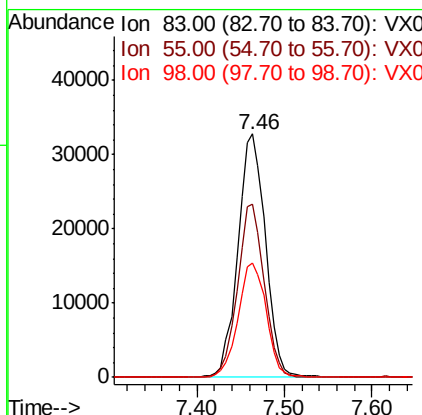
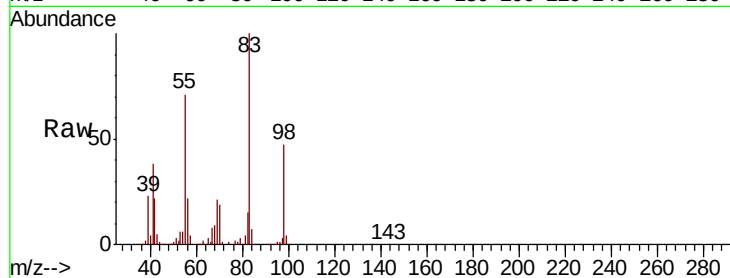
#39
Methylcyclohexane
Concen: 20.537 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0708WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.1	53.0	79.6
98	47.0	37.8	56.8

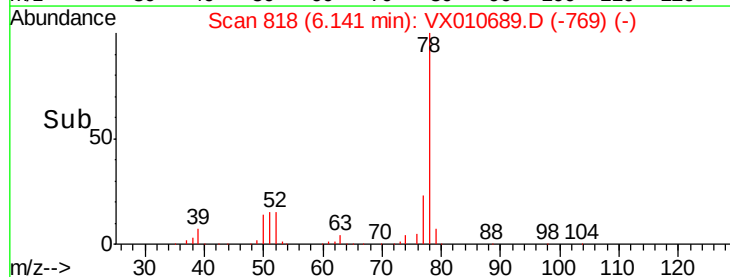
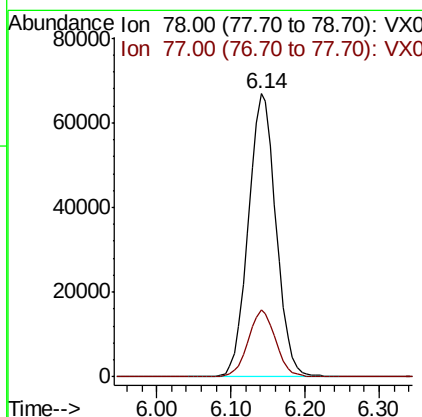
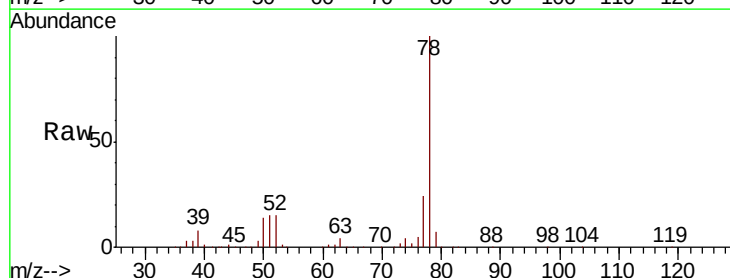
Manual Integrations
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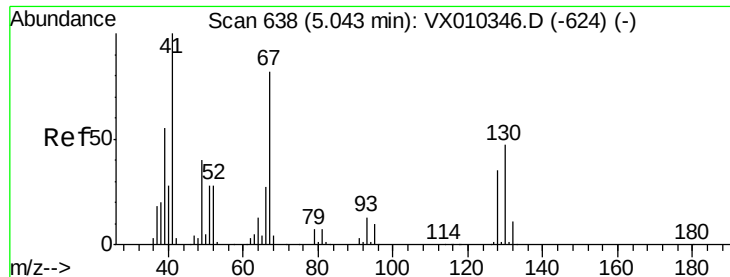
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7/9/2019 11:10:53 AM



#40
Benzene
Concen: 21.100 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.6	28.0





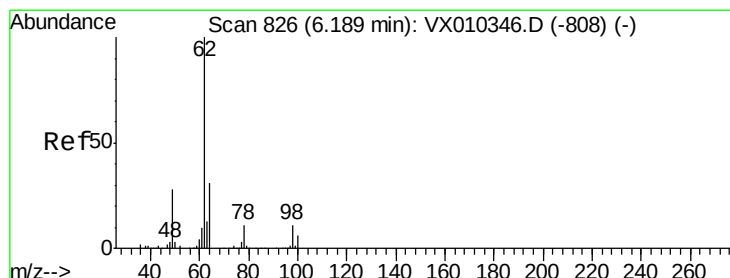
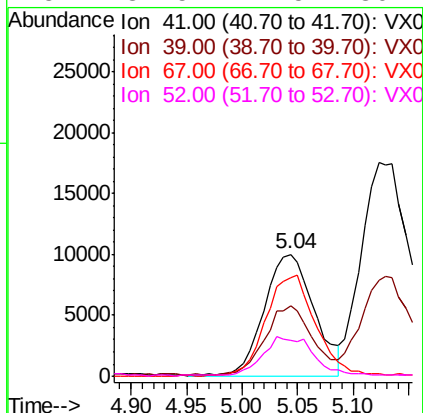
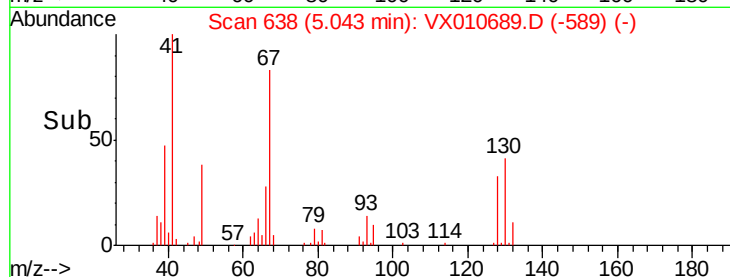
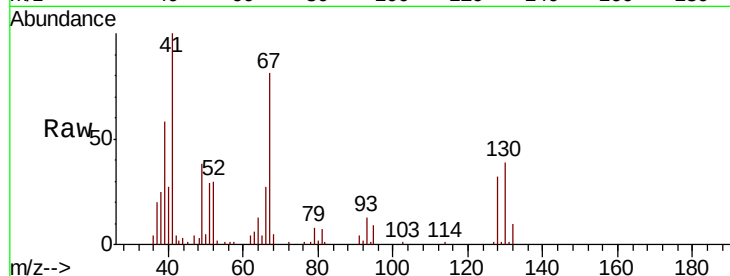
#41
Methacrylonitrile
Concen: 20.977 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0708WBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	43.8	65.8	
67	81.0	66.6	100.0	
52	32.5	24.5	36.7	

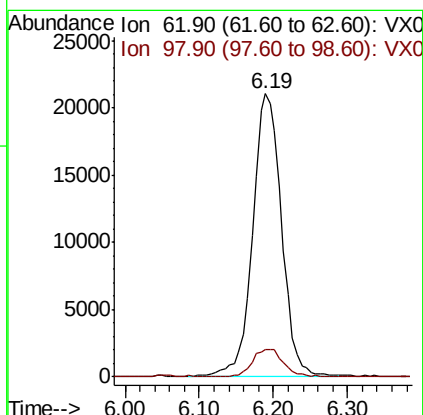
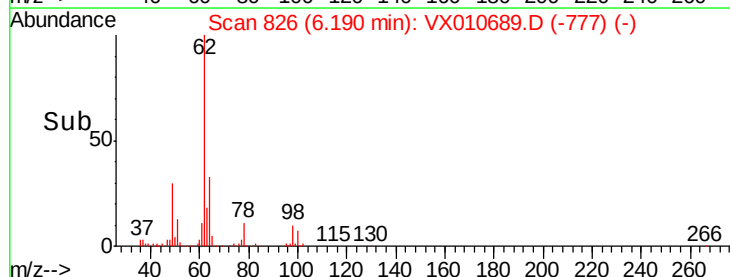
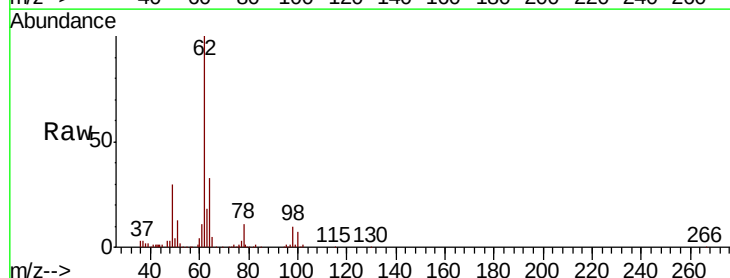
Manual Integrations
APPROVED

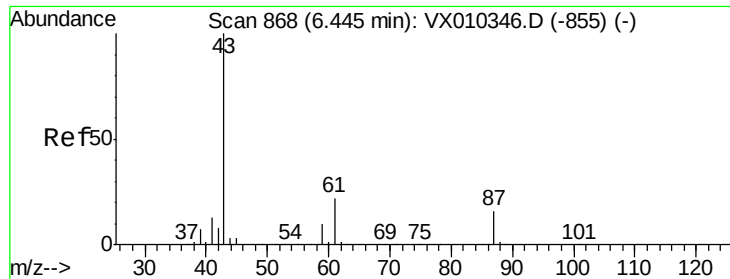
MMDadoda
7/9/2019 11:10:53 AM



#42
1,2-Dichloroethane
Concen: 22.807 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	0.0	22.2	





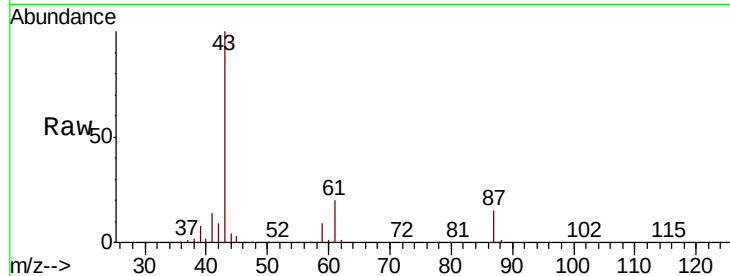
#43
Isopropyl Acetate
Concen: 20.679 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0708WBS01

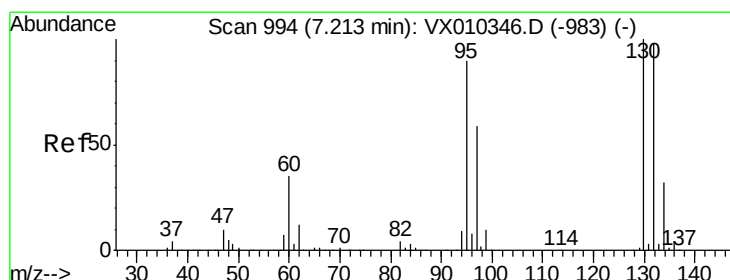
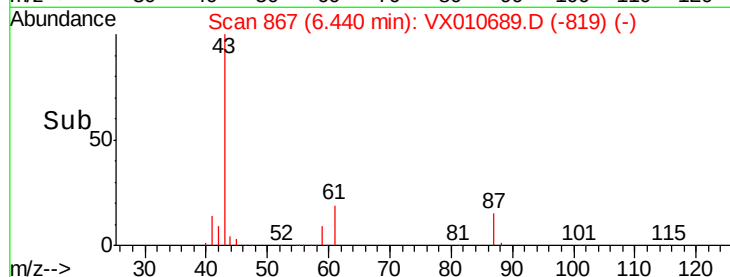
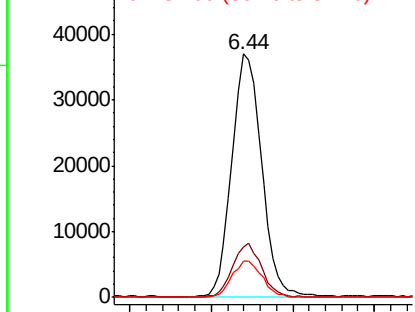
Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.8	26.6
87	15.1	13.0	19.4

Manual Integrations
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MMDadoda
7/9/2019 11:10:53 AM

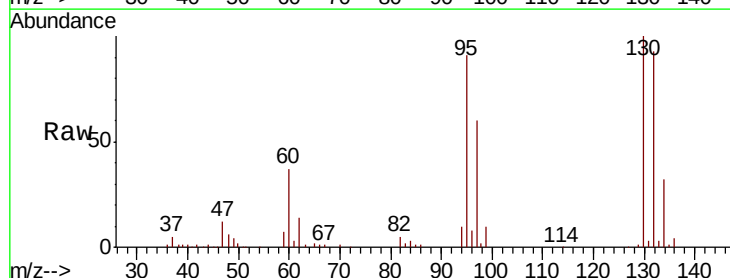


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0

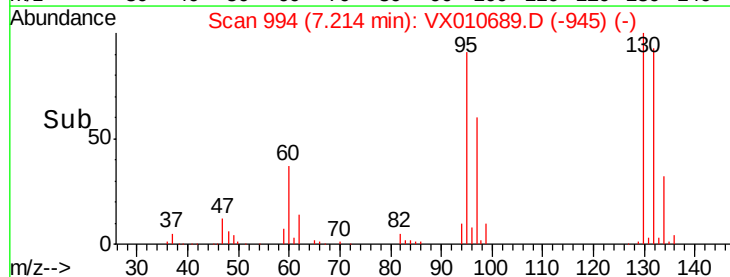
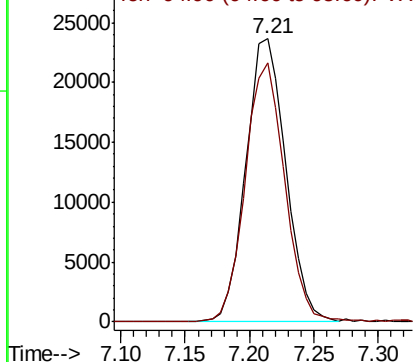


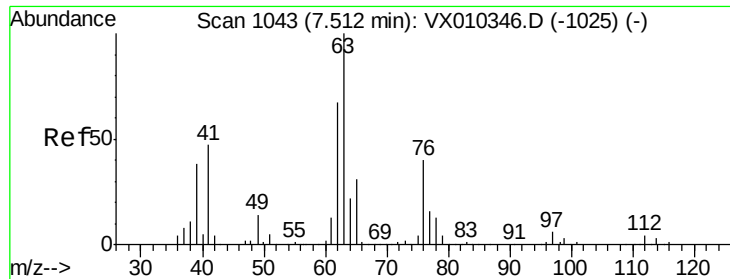
#44
Trichloroethene
Concen: 20.531 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	180.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





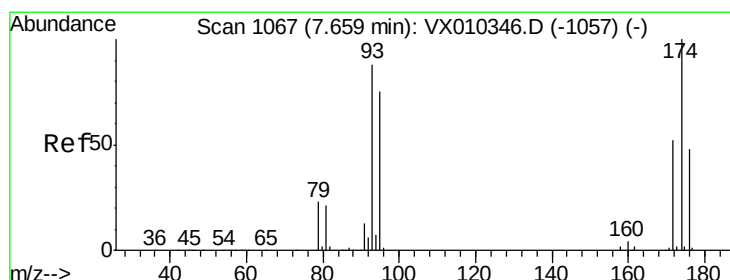
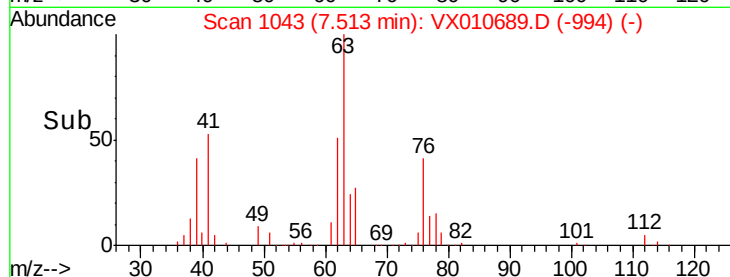
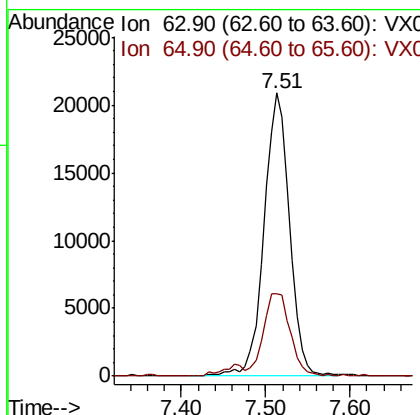
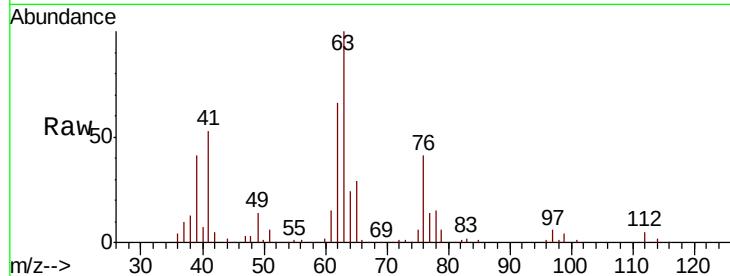
#45
 1,2-Dichloropropane
 Concen: 20.950 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010689.D
 Acq: 08 Jul 2019 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0708WBS01

Tgt Ion: 63 Resp: 43732
 Ion Ratio Lower Upper
 63 100
 65 29.0 24.8 37.2

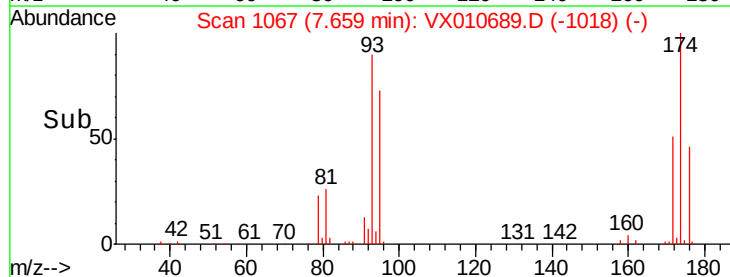
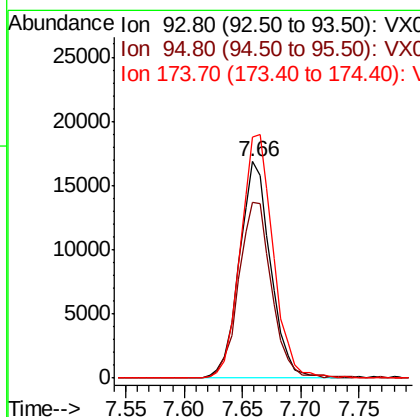
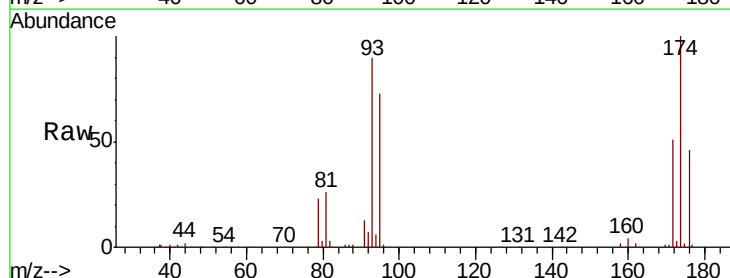
Manual Integrations
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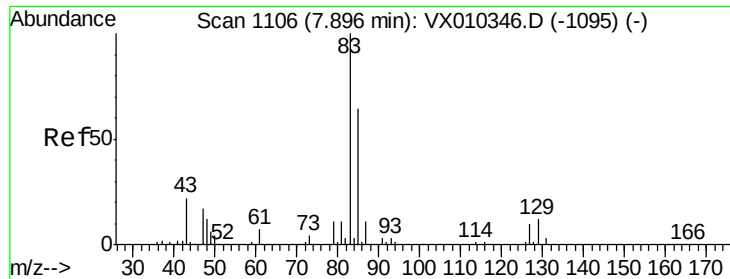
MMDadoda
 7/9/2019 11:10:53 AM



#46
 Dibromomethane
 Concen: 21.109 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010689.D
 Acq: 08 Jul 2019 12:42

Tgt Ion: 93 Resp: 31615
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.5 101.3
 174 117.1 95.8 143.6





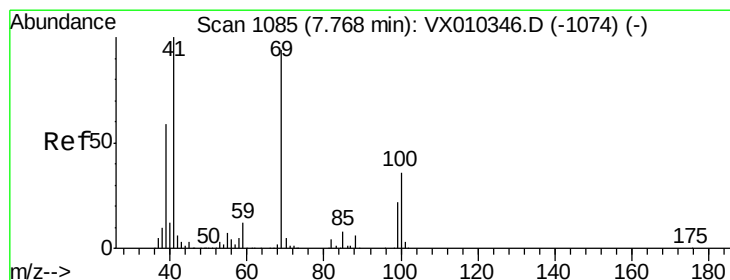
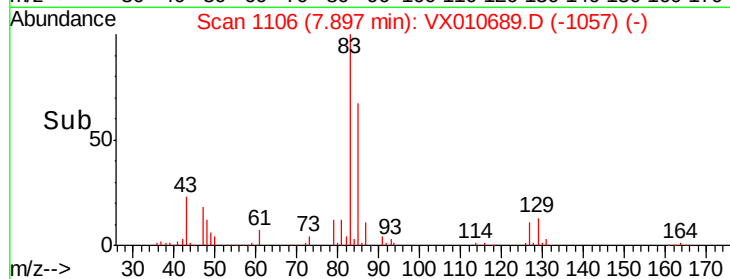
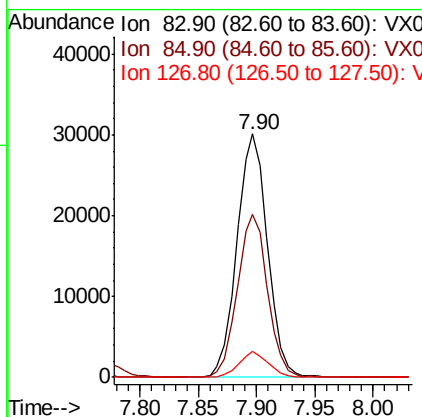
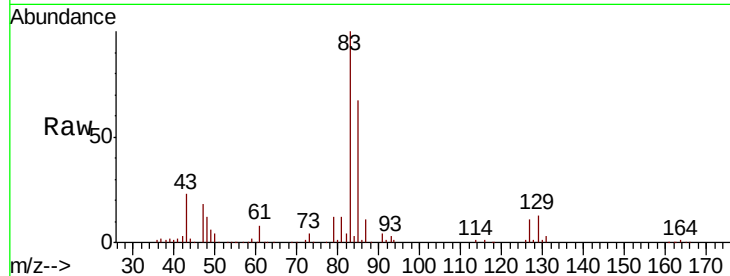
#47
 Bromodichloromethane
 Concen: 20.001 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX010689.D
 Acq: 08 Jul 2019 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0708WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.5	77.3
127	10.6	7.8	11.8

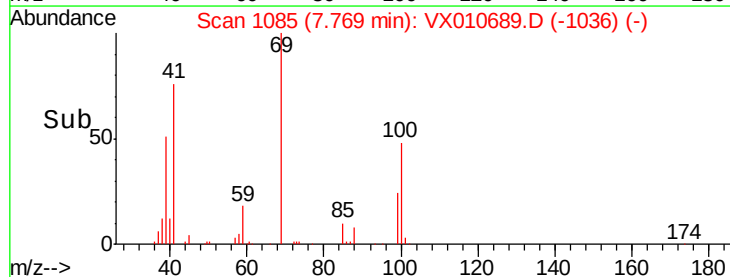
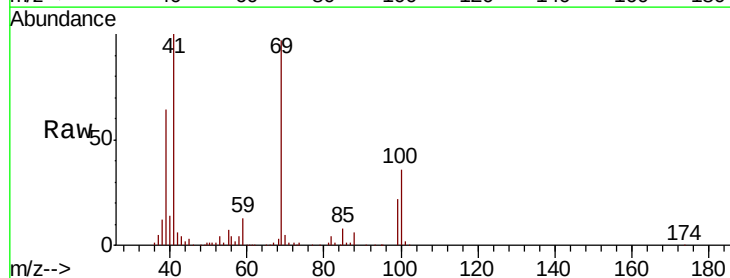
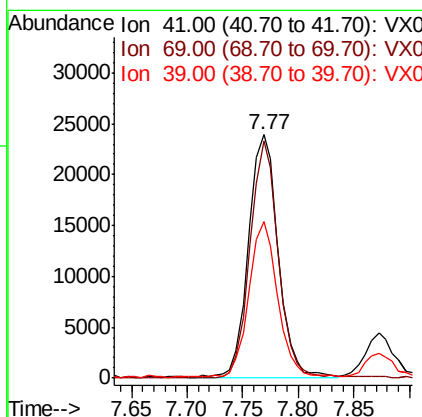
Manual Integrations
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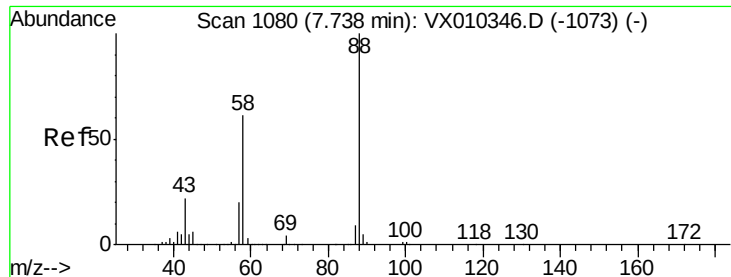
MMDadoda
 7/9/2019 11:10:53 AM



#48
 Methyl methacrylate
 Concen: 21.116 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX010689.D
 Acq: 08 Jul 2019 12:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.4	76.1	114.1
39	62.7	47.6	71.4





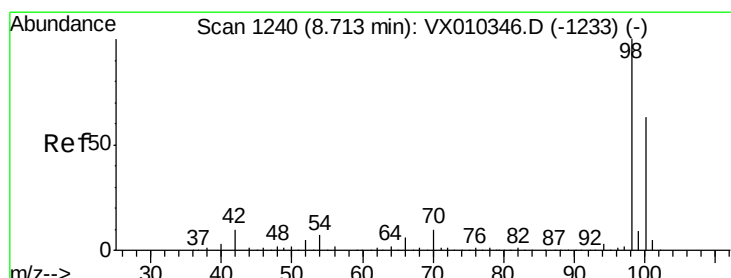
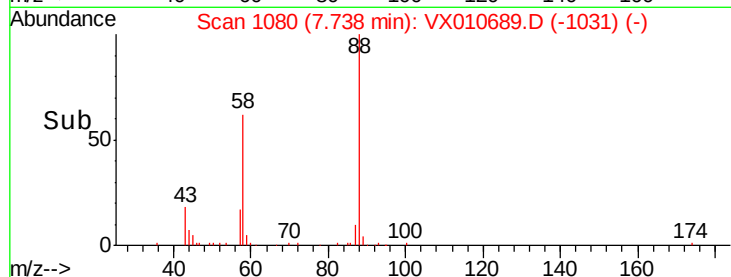
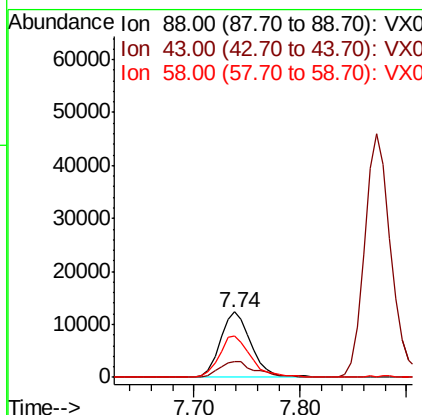
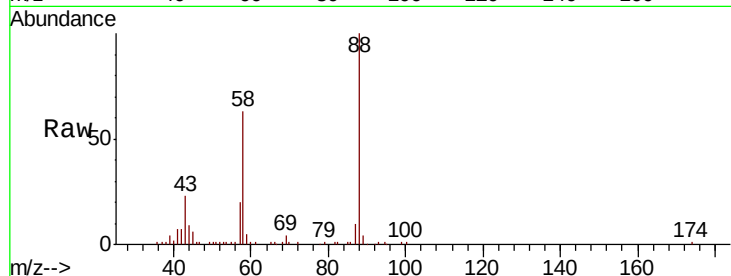
#49
1,4-Dioxane
Concen: 411.442 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0708WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	27.9	20.2	30.2
58	65.2	49.5	74.3

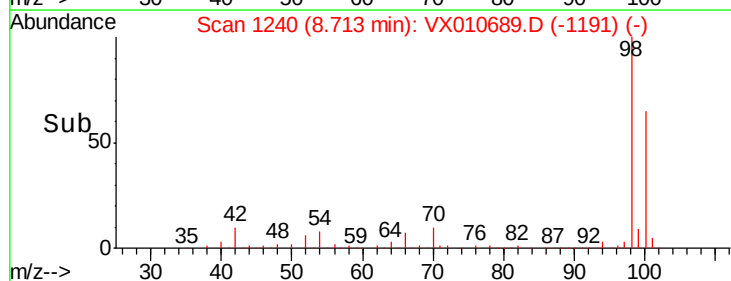
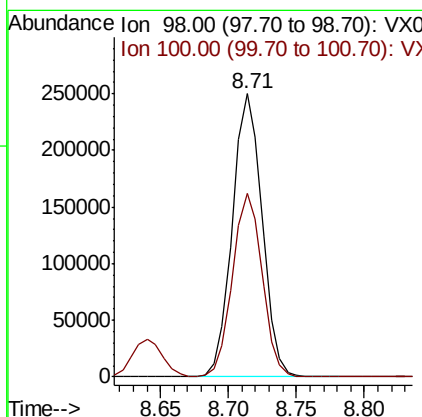
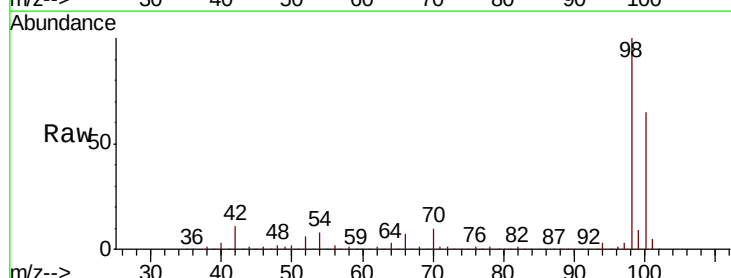
Manual Integrations
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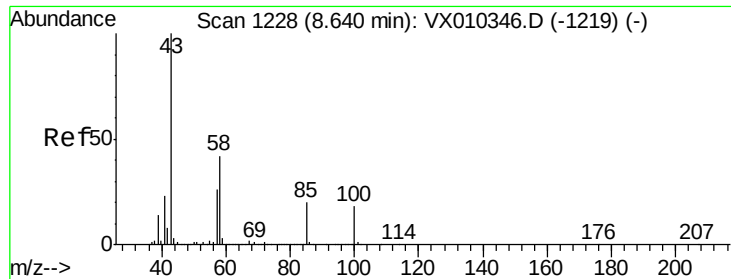
MMDadoda
7/9/2019 11:10:53 AM



#50
Toluene-d8
Concen: 48.811 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.6	77.4





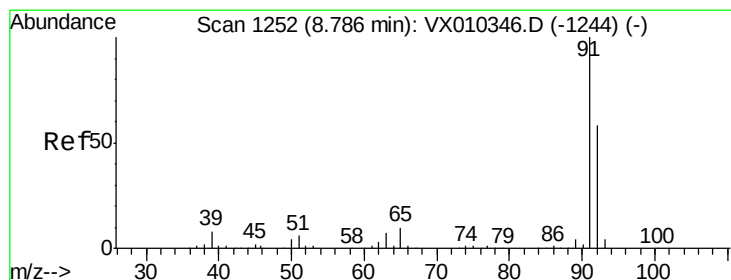
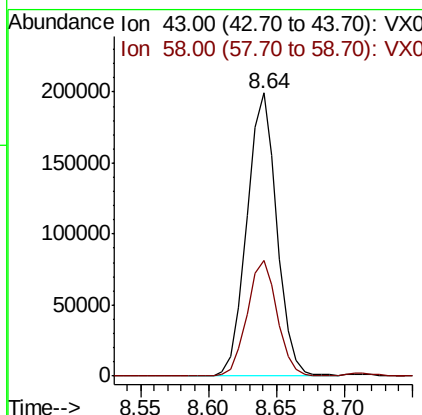
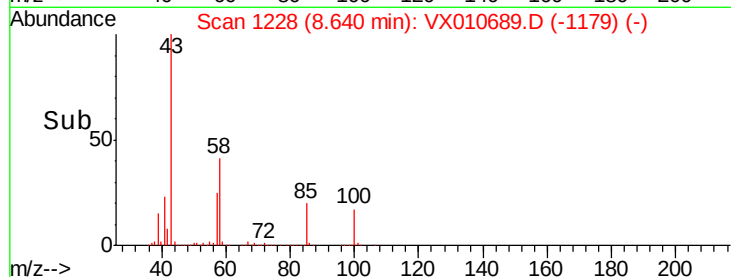
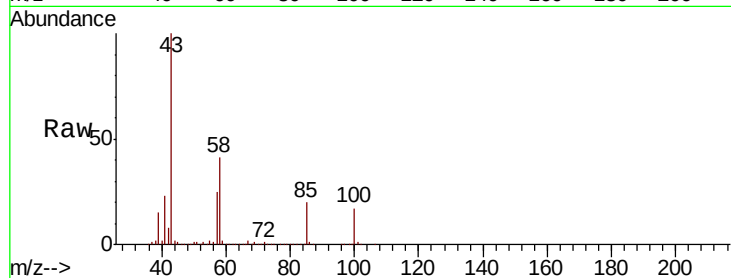
#51
4-Methyl-2-Pentanone
Concen: 106.234 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Instrument :
MSVOA_X
ClientSampled :
VX0708WBS01

Tgt Ion: 43 Resp: 306833
Ion Ratio Lower Upper
43 100
58 41.0 33.5 50.3

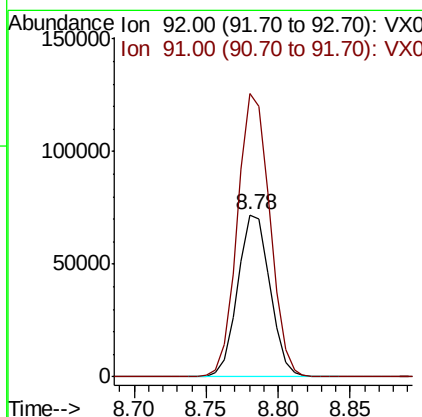
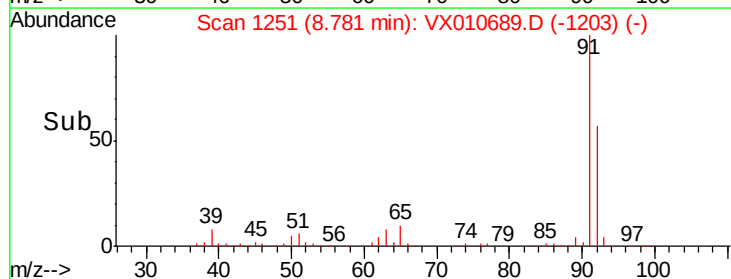
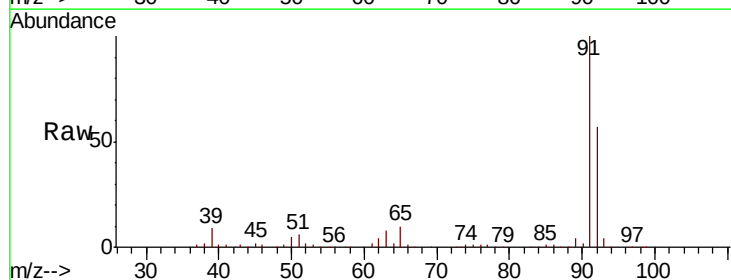
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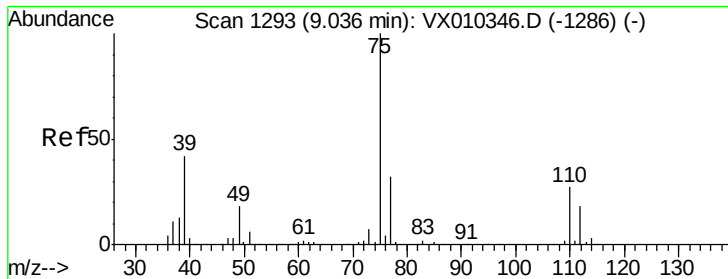
MMDadoda
7/9/2019 11:10:53 AM



#52
Toluene
Concen: 20.707 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Tgt Ion: 92 Resp: 112720
Ion Ratio Lower Upper
92 100
91 175.5 139.8 209.6





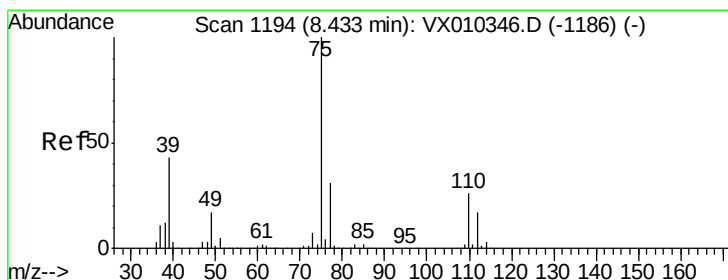
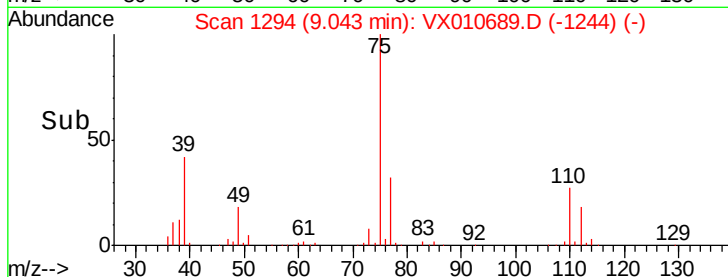
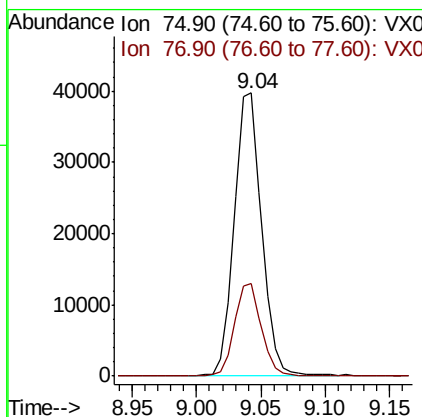
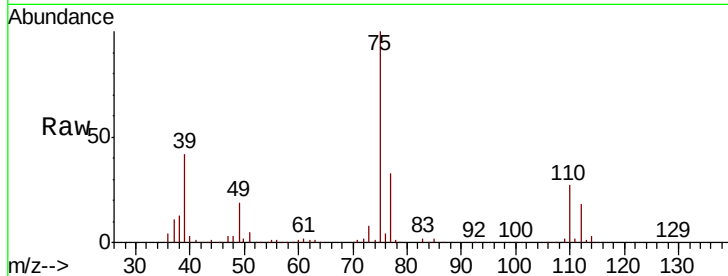
#53
t-1,3-Dichloropropene
Concen: 19.181 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0708WBS01

Tgt Ion: 75 Resp: 59023
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.2

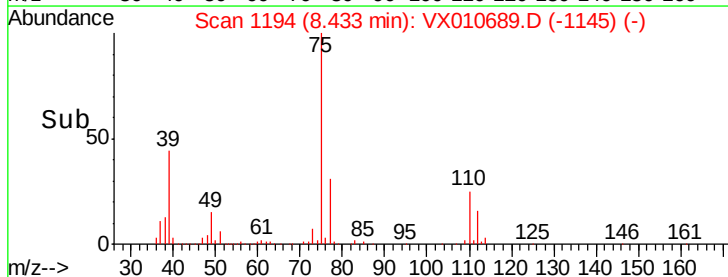
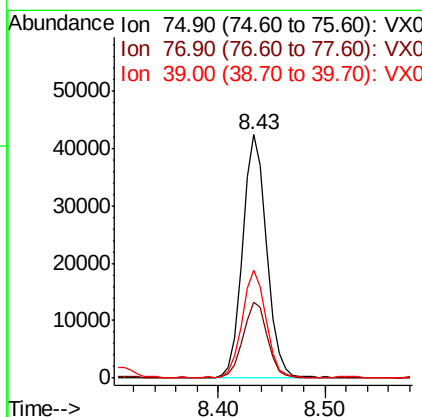
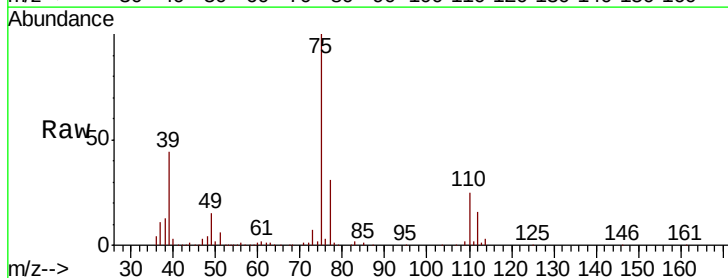
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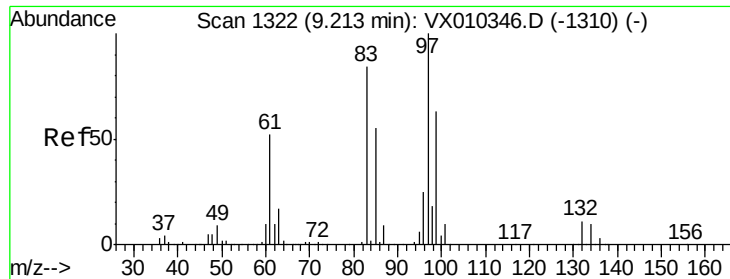
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.151 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Tgt Ion: 75 Resp: 67385
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8
39 43.9 34.5 51.7





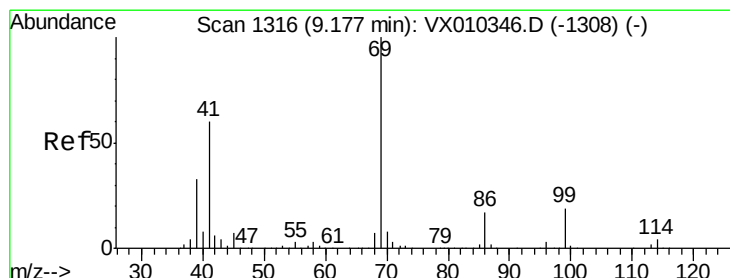
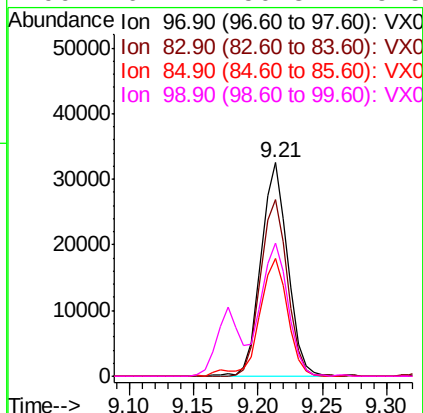
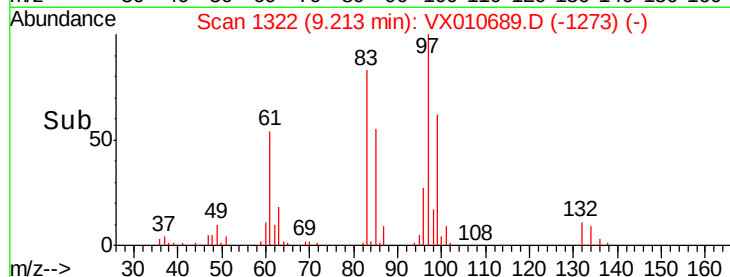
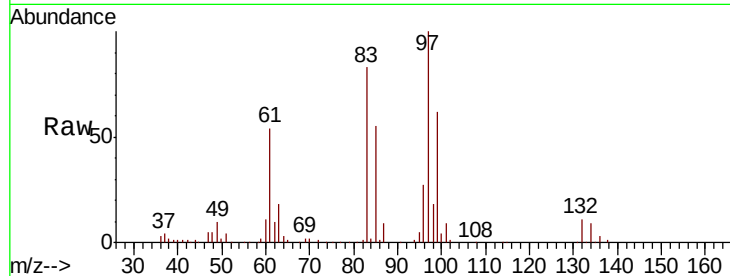
#55
 1,1,2-Trichloroethane
 Concen: 20.800 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010689.D
 Acq: 08 Jul 2019 12:42

Instrument :
 MSVOA_X
 ClientSampled :
 VX0708WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.9	67.4	101.0
85	55.2	43.8	65.8
99	62.1	50.3	75.5

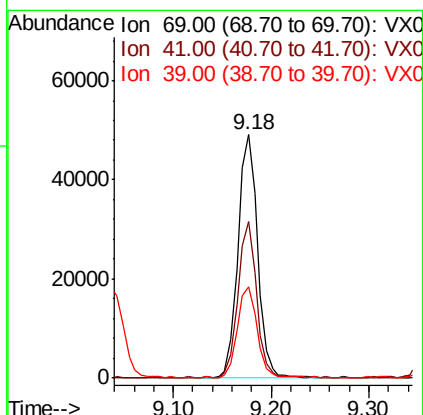
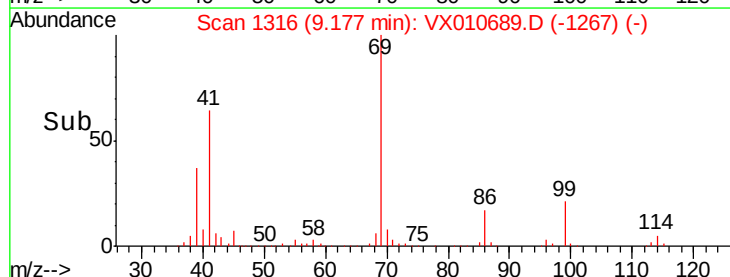
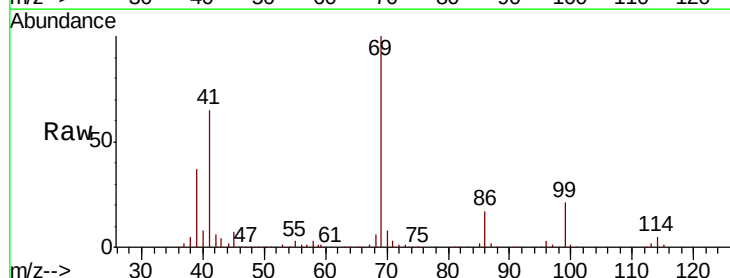
Manual Integrations
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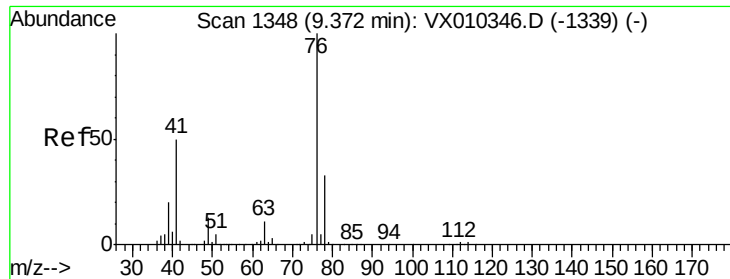
MMDadoda
 7/9/2019 11:10:53 AM



#56
 Ethyl methacrylate
 Concen: 20.157 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010689.D
 Acq: 08 Jul 2019 12:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.5	47.1	70.7
39	37.3	26.6	40.0





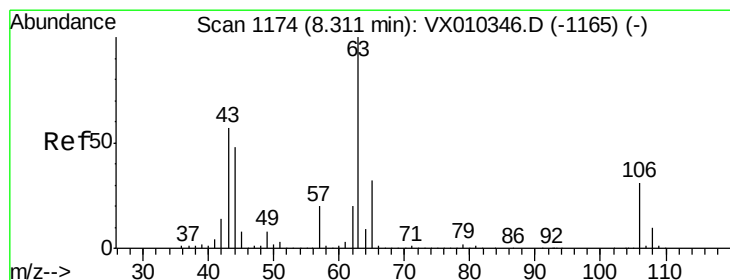
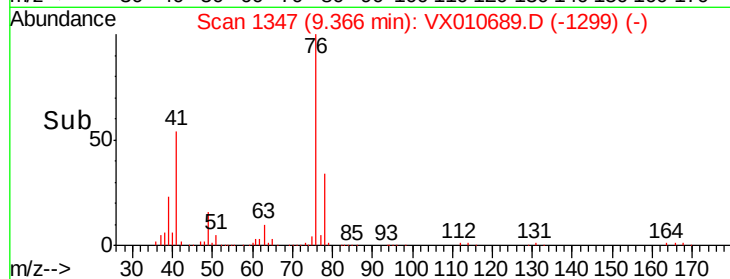
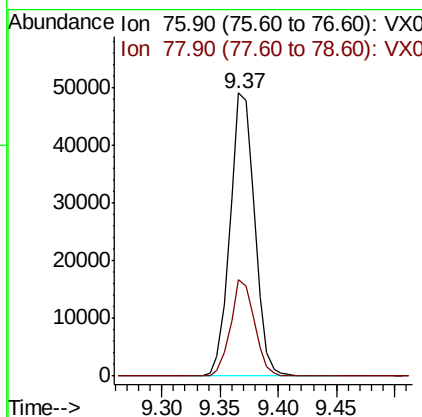
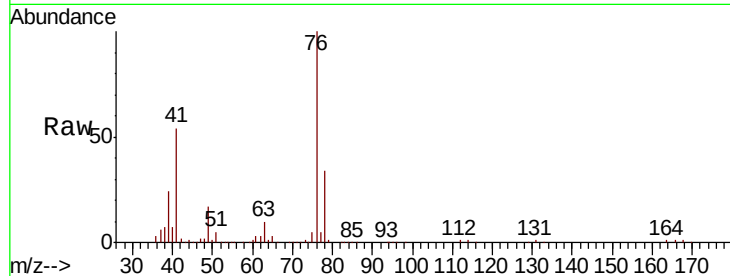
#57
 1,3-Dichloropropane
 Concen: 20.760 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX010689.D
 Acq: 08 Jul 2019 12:42

Instrument :
 MSVOA_X
 ClientSampled :
 VX0708WBS01

Tgt Ion: 76 Resp: 72348
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.1 39.1

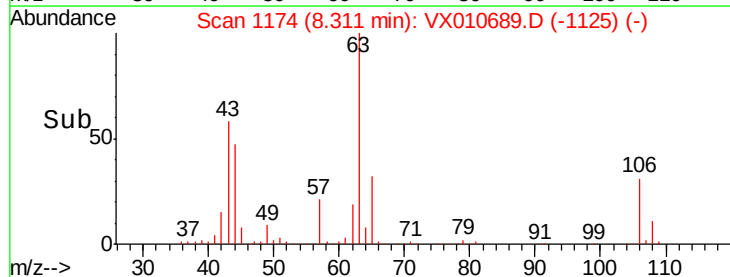
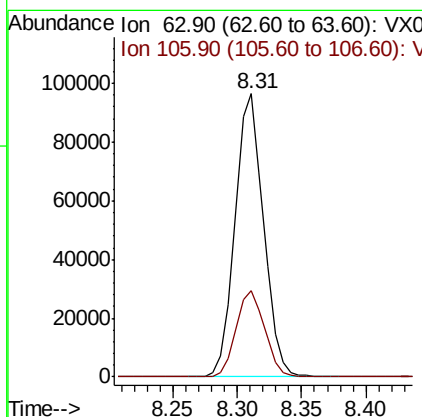
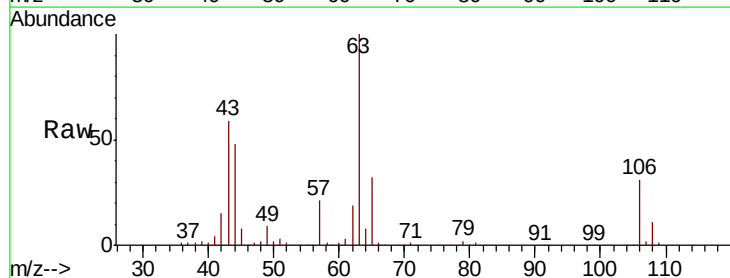
Manual Integrations
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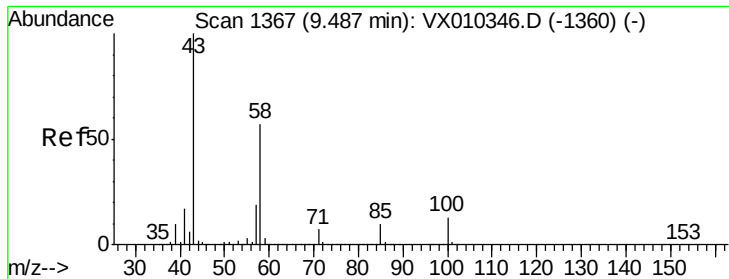
MMDadoda
 7/9/2019 11:10:53 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.851 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010689.D
 Acq: 08 Jul 2019 12:42

Tgt Ion: 63 Resp: 148359
 Ion Ratio Lower Upper
 63 100
 106 30.6 24.7 37.1





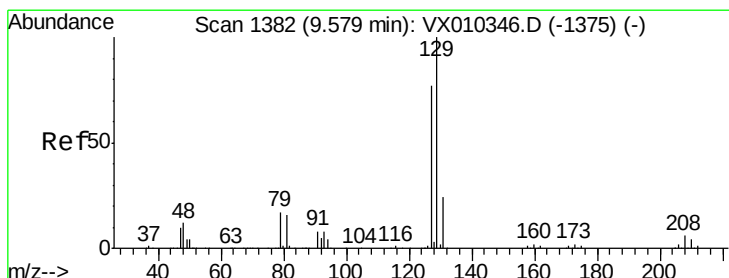
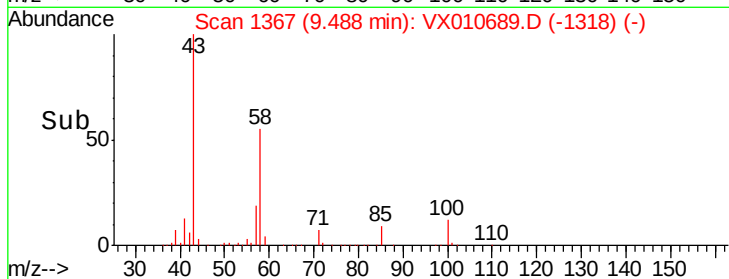
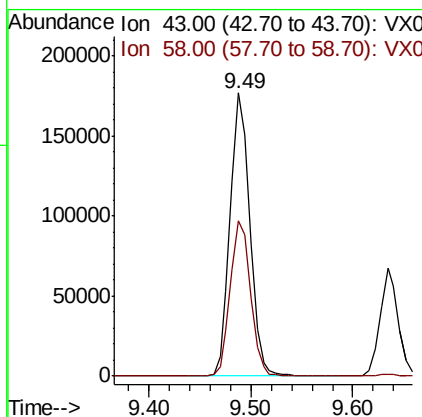
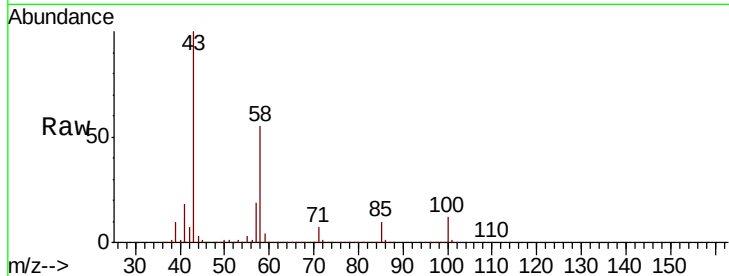
#59
2-Hexanone
Concen: 103.833 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0708WBS01

Tgt Ion: 43 Resp: 236031
Ion Ratio Lower Upper
43 100
58 56.6 29.0 87.1

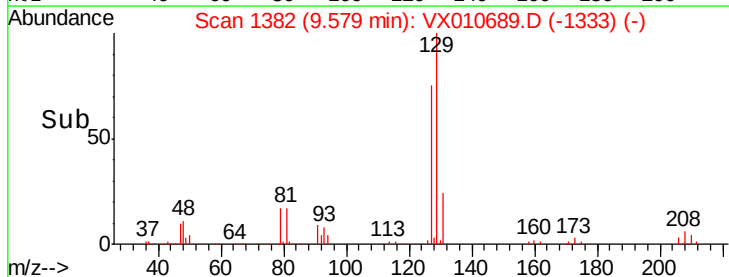
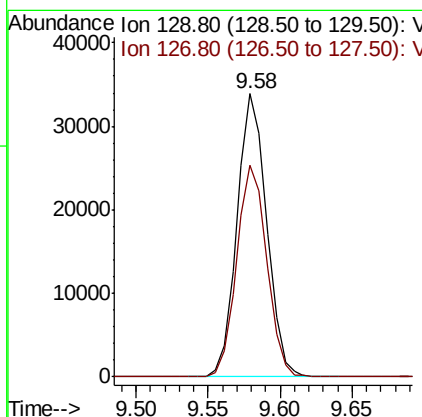
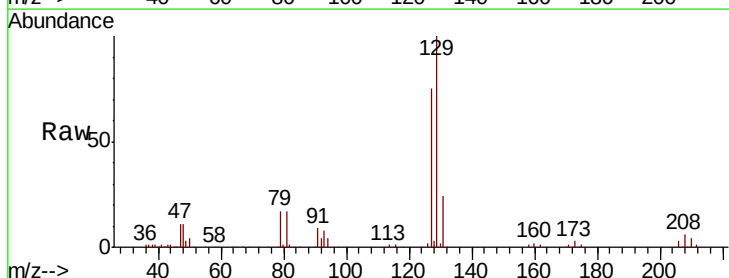
Manual Integrations
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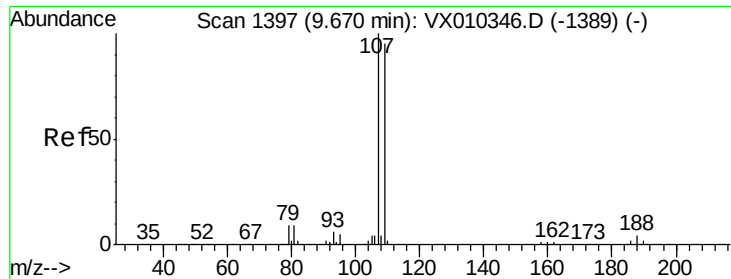
MMDadoda
7/9/2019 11:10:53 AM



#60
Dibromochloromethane
Concen: 19.316 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Tgt Ion: 129 Resp: 48554
Ion Ratio Lower Upper
129 100
127 75.8 38.4 115.1





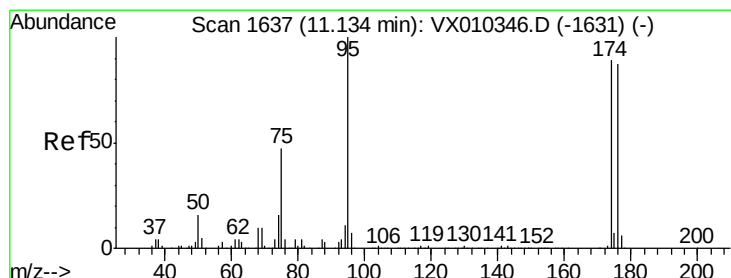
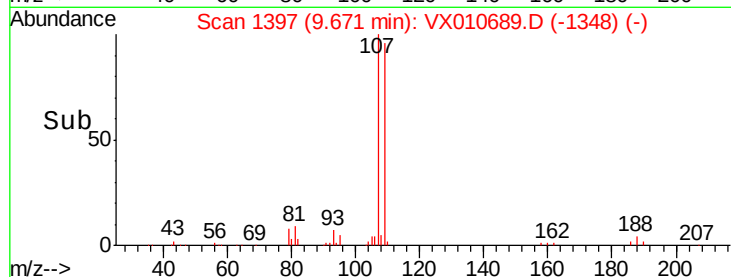
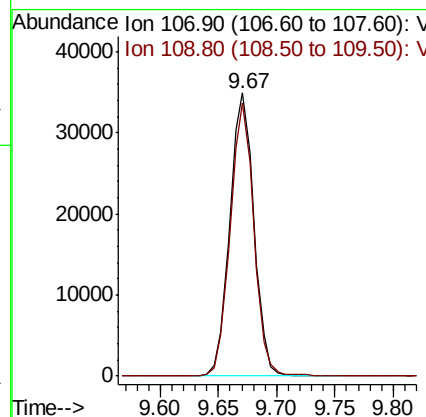
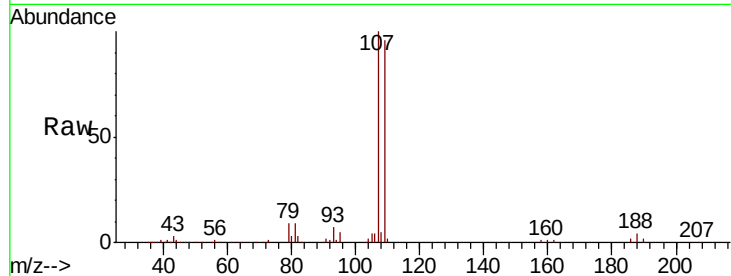
#61
 1,2-Dibromoethane
 Concen: 20.689 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX010689.D
 Acq: 08 Jul 2019 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0708WBS01

Tgt Ion: 107 Resp: 50136
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.8 113.6

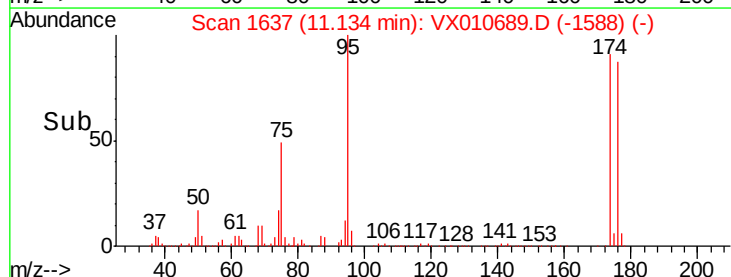
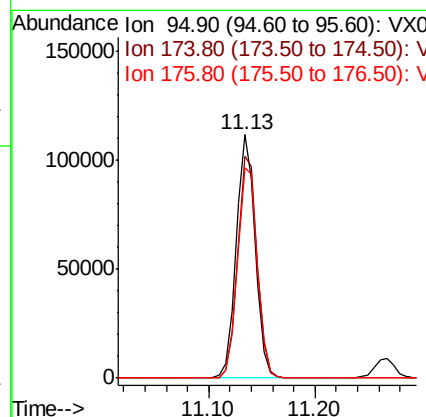
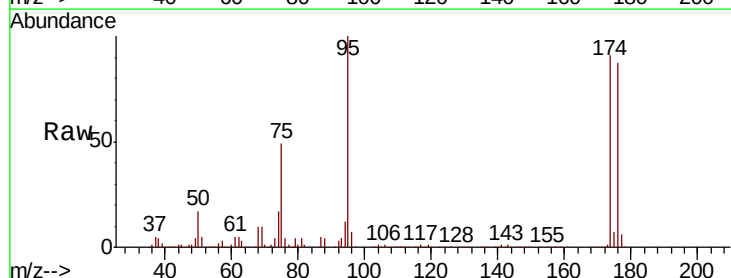
Manual Integrations
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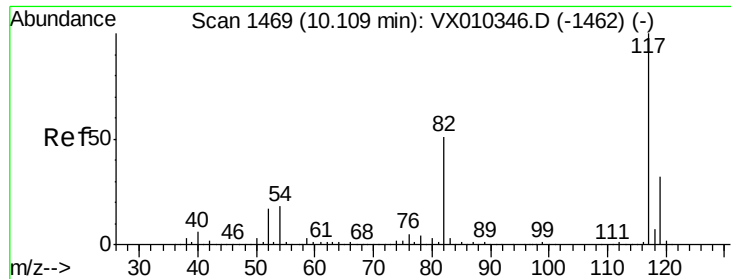
MMDadoda
 7/9/2019 11:10:53 AM



#62
 4-Bromofluorobenzene
 Concen: 49.378 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010689.D
 Acq: 08 Jul 2019 12:42

Tgt Ion: 95 Resp: 139327
 Ion Ratio Lower Upper
 95 100
 174 93.9 0.0 187.6
 176 90.6 0.0 184.0





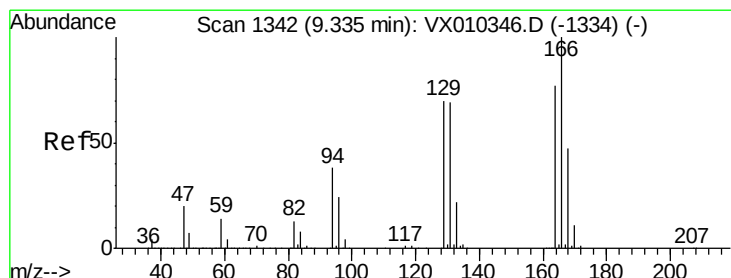
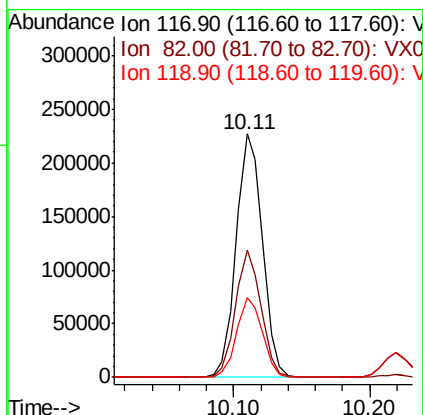
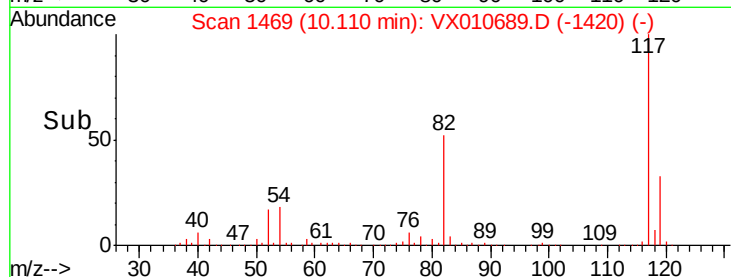
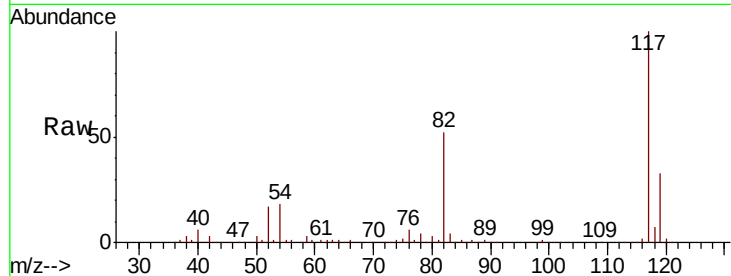
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0708WBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.2	61.8
119	32.6	25.5	38.3

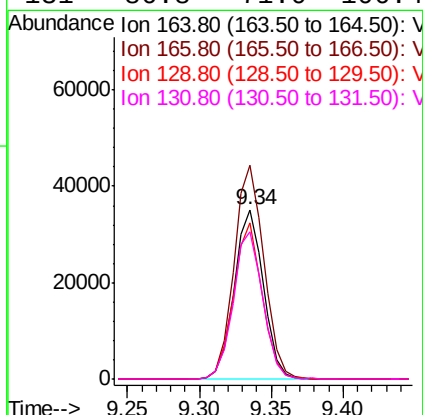
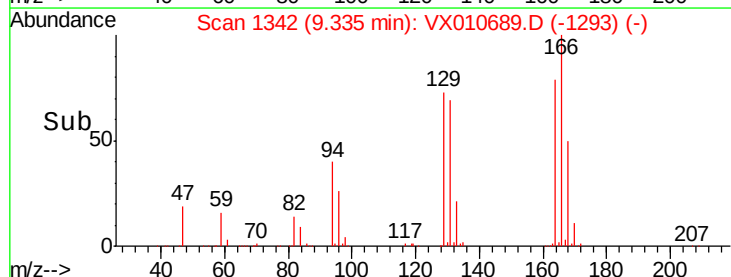
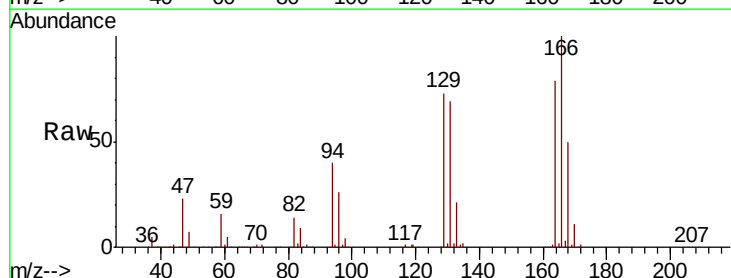
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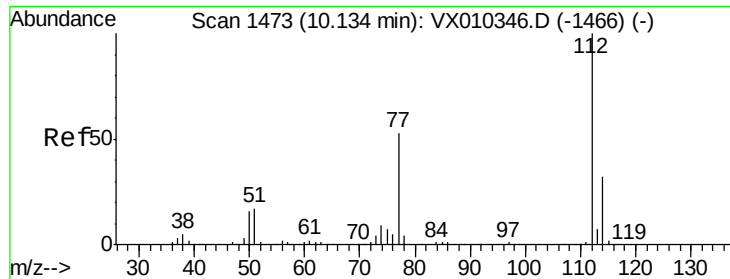
MMDadoda
7/9/2019 11:10:53 AM



#64
Tetrachloroethene
Concen: 20.233 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	103.6	155.4
129	92.7	73.0	109.4
131	86.8	71.0	106.4





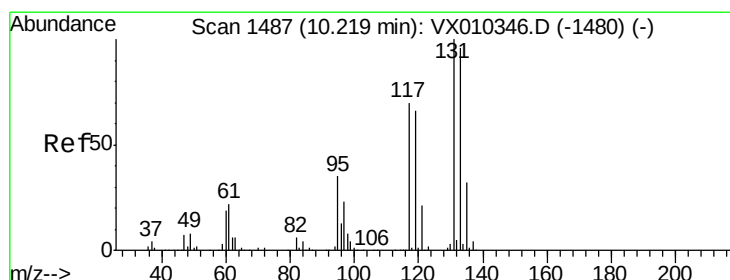
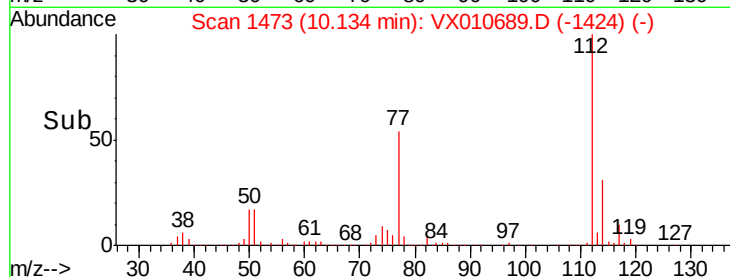
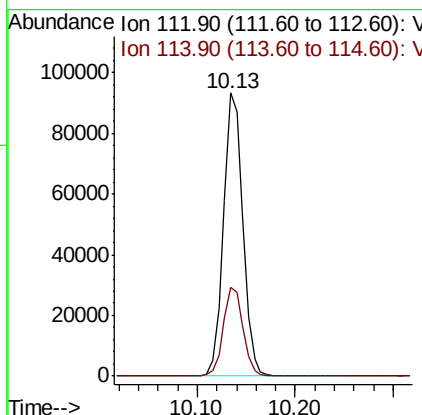
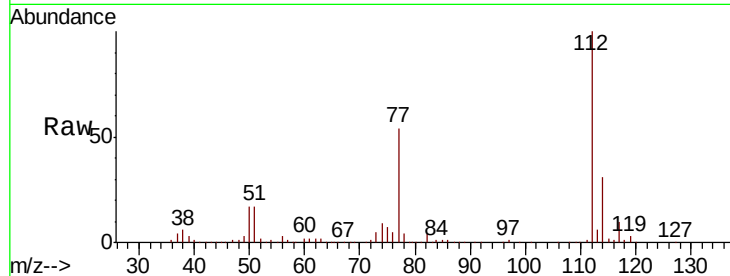
#65
Chlorobenzene
Concen: 20.682 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Instrument :
MSVOA_X
ClientSampled :
VX0708WBS01

Tgt Ion:112 Resp: 127619
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.2

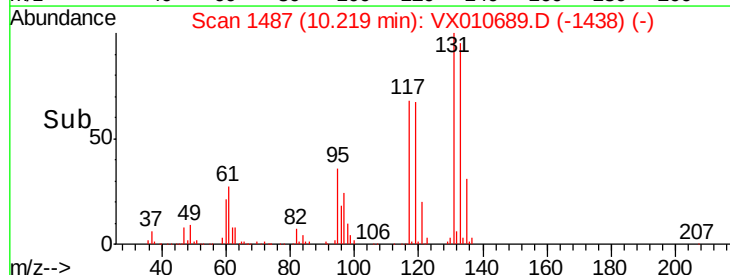
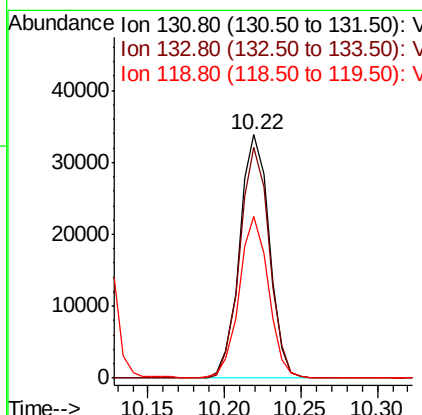
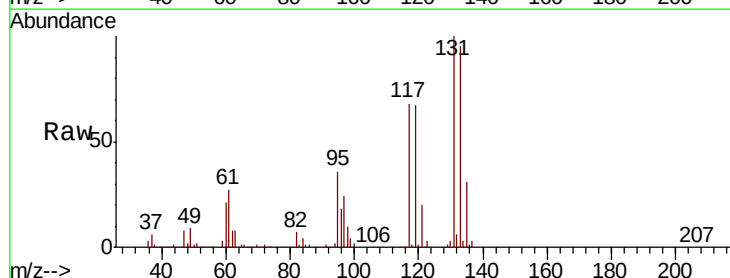
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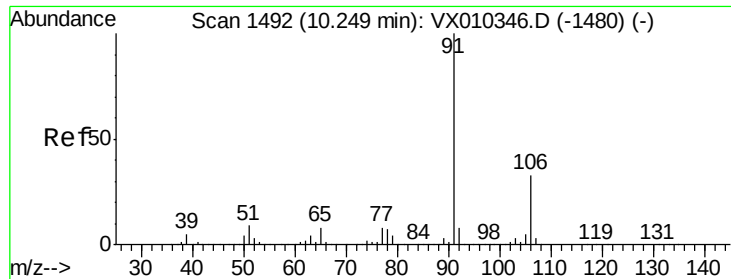
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.352 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Tgt Ion:131 Resp: 45744
Ion Ratio Lower Upper
131 100
133 94.2 47.7 143.1
119 65.5 32.6 97.7





#67

Ethyl Benzene

Concen: 20.614 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Instrument :

MSVOA_X

ClientSampled :

VX0708WBS01

Tgt Ion: 91 Resp: 214738

Ion Ratio Lower Upper

91 100

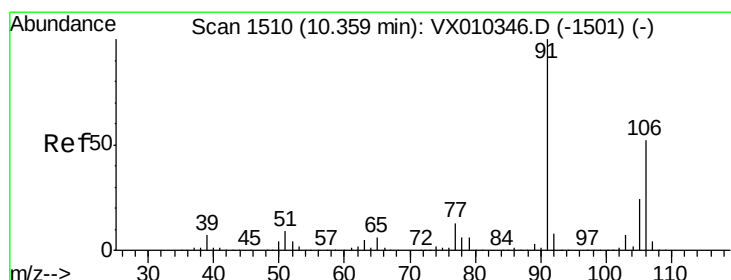
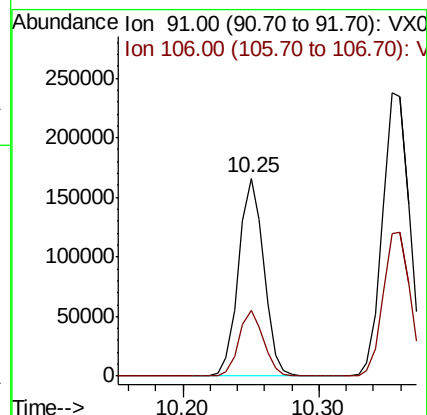
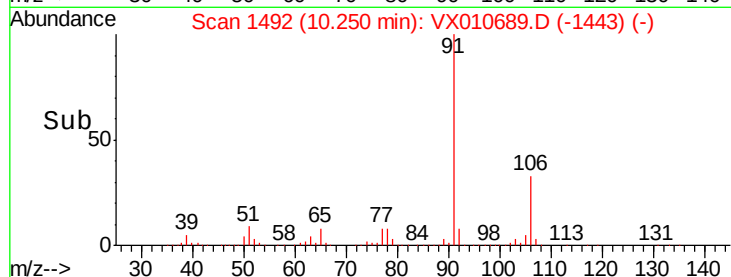
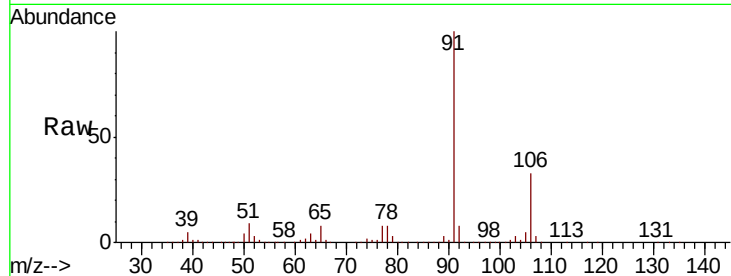
106 33.4 26.2 39.2

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#68

m/p-Xylenes

Concen: 41.499 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010689.D

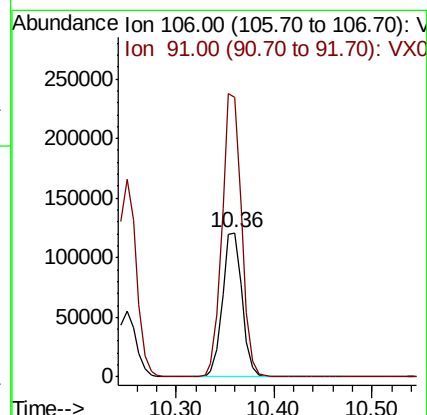
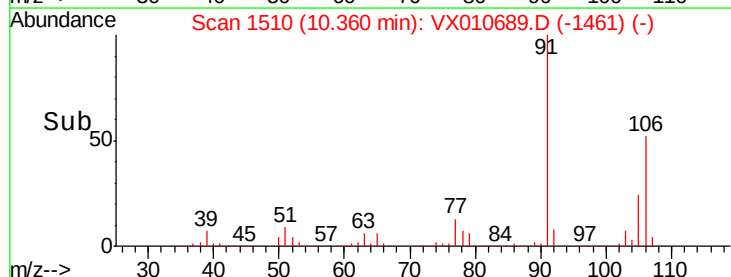
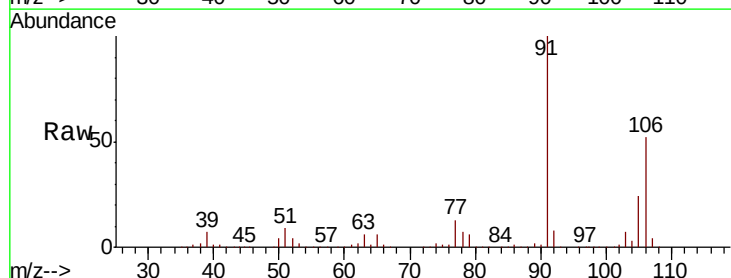
Acq: 08 Jul 2019 12:42

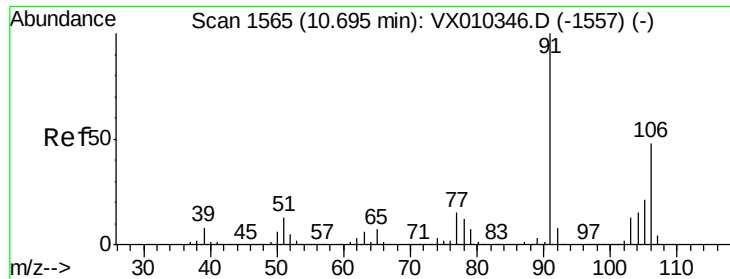
Tgt Ion: 106 Resp: 167504

Ion Ratio Lower Upper

106 100

91 195.0 155.3 232.9





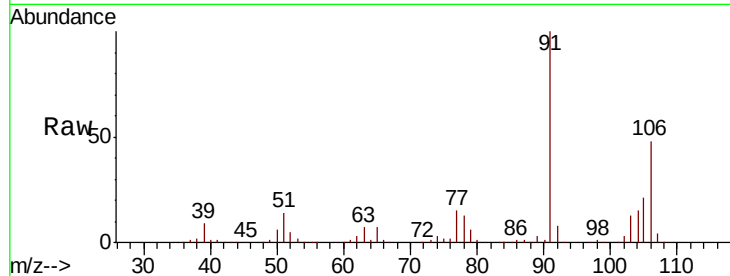
#69
o-Xylene
Concen: 20.567 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Instrument :
MSVOA_X
ClientSampled :
VX0708WBS01

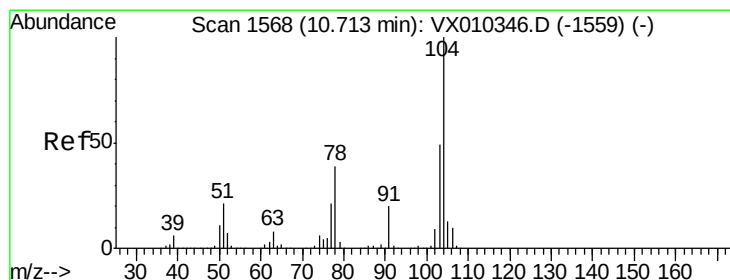
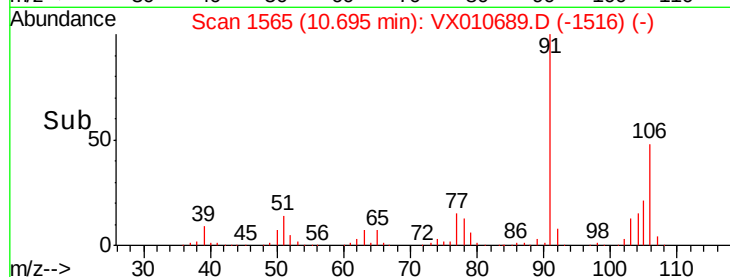
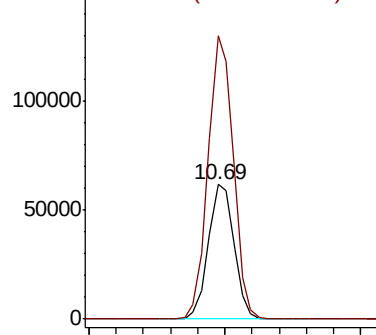
Tgt Ion:106 Resp: 81638
Ion Ratio Lower Upper
106 100
91 206.2 102.7 308.1

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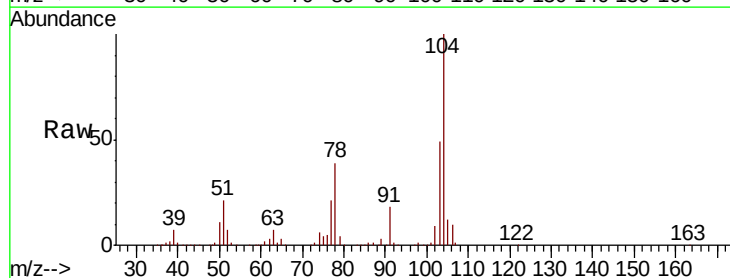


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

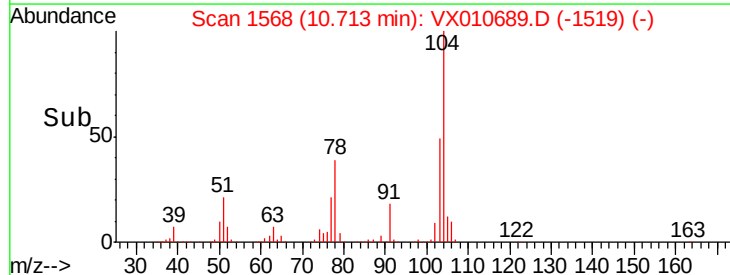
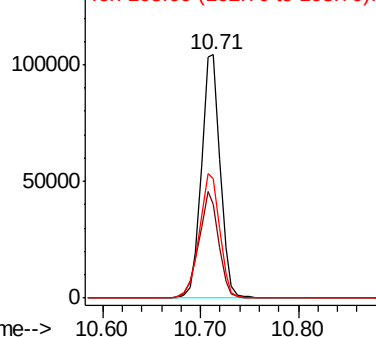


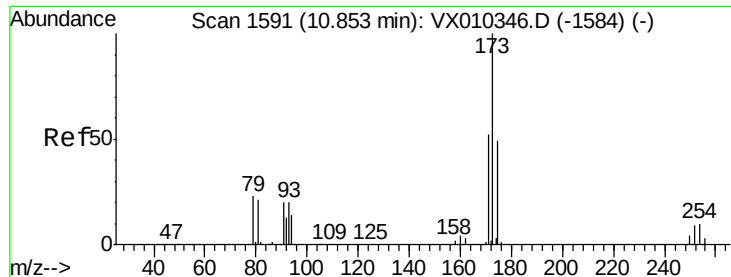
#70
Styrene
Concen: 20.864 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Tgt Ion:104 Resp: 138885
Ion Ratio Lower Upper
104 100
78 46.2 36.2 54.2
103 55.8 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: 18.331 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0708WBS01

Tgt Ion:173 Resp: 35830

Ion Ratio Lower Upper

173 100

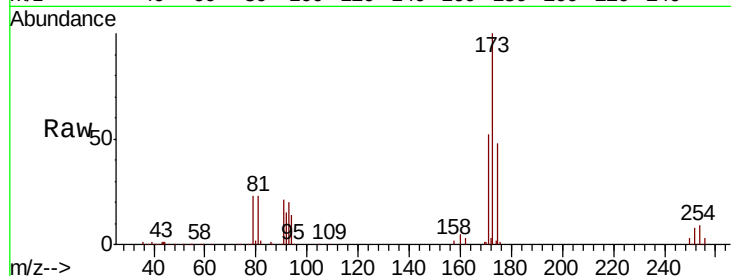
175 48.3 24.1 72.3

254 0.1 0.2 0.2#

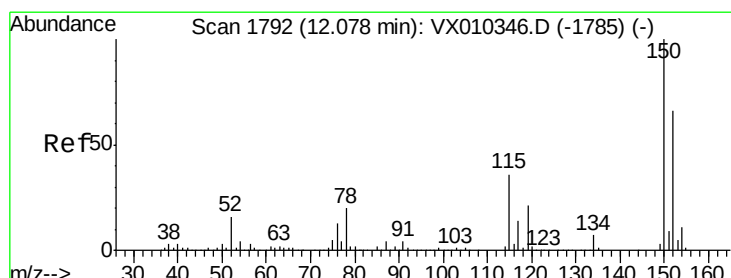
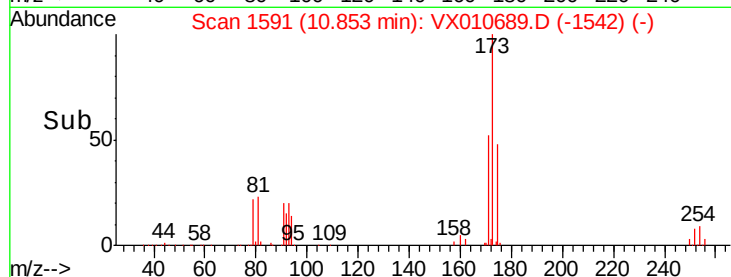
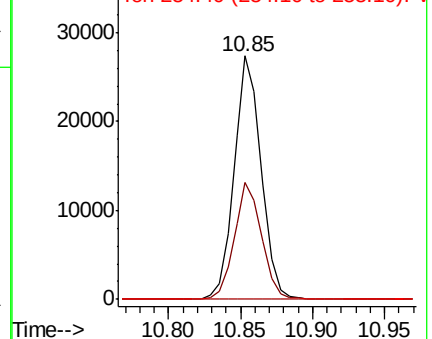
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

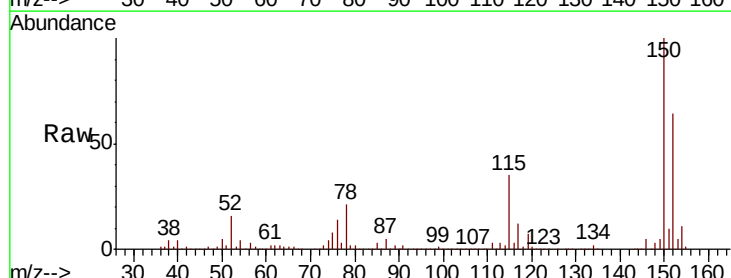
Tgt Ion:152 Resp: 157410

Ion Ratio Lower Upper

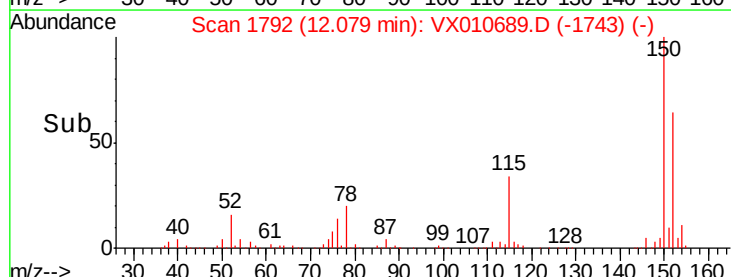
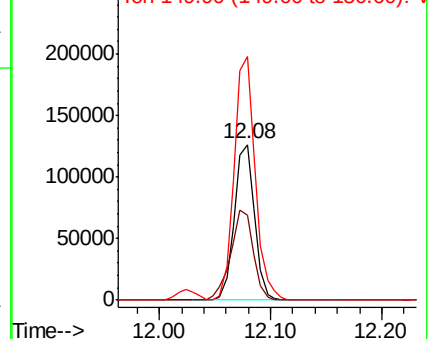
152 100

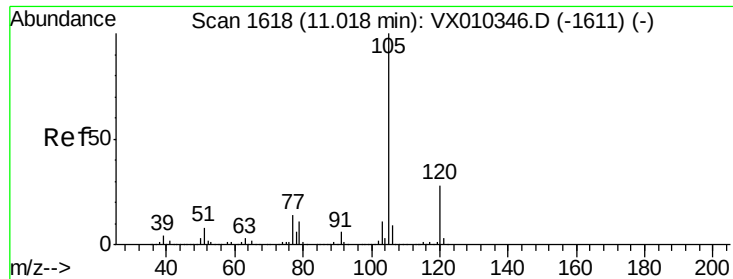
115 64.8 38.6 115.7

150 163.2 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: 20.583 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0708WBS01

Tgt Ion: 105 Resp: 219626

Ion Ratio Lower Upper

105 100

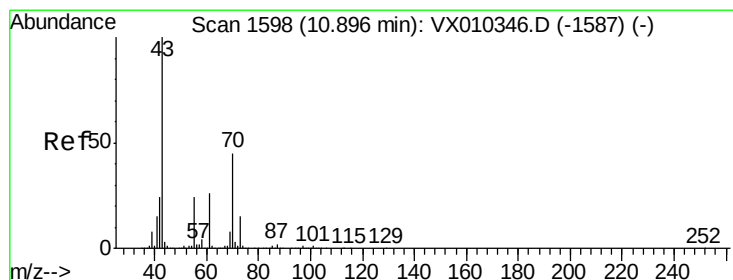
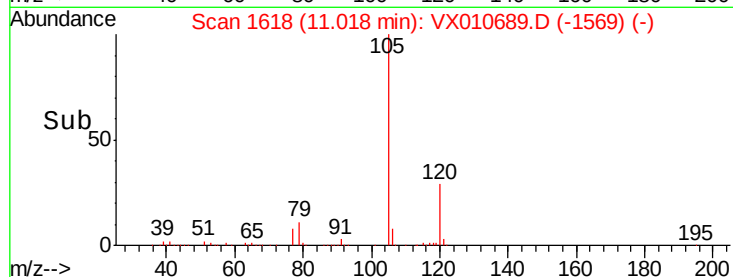
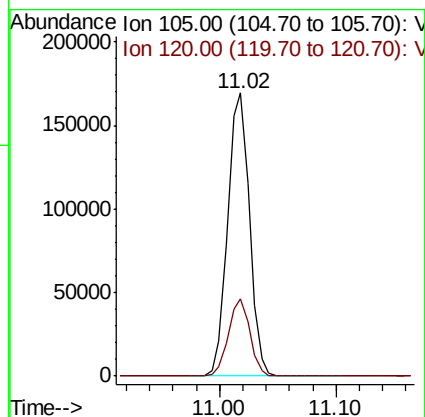
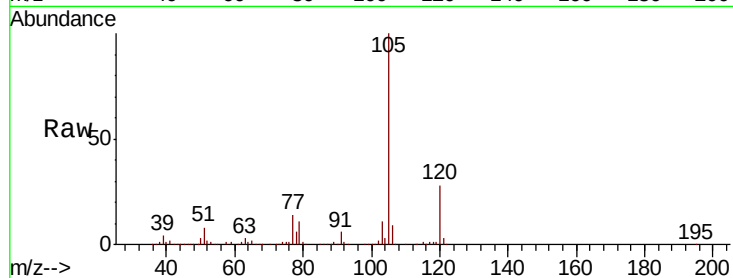
120 27.0 14.1 42.4

Manual Integrations

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7/9/2019 11:10:53 AM



#74

N-ethyl acetate

Concen: 20.646 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Tgt Ion: 43 Resp: 83258

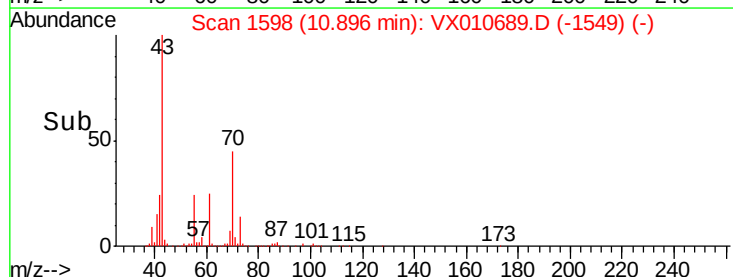
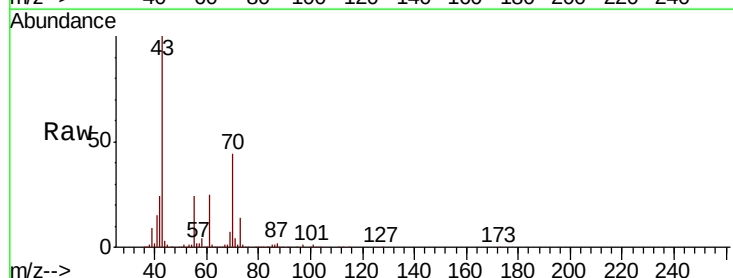
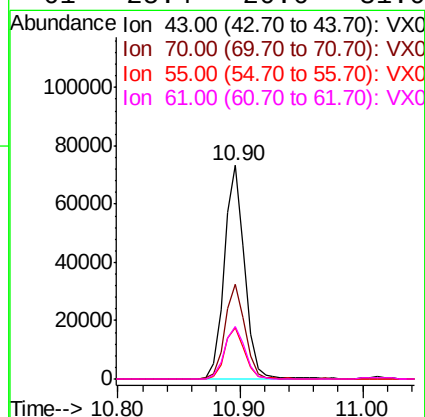
Ion Ratio Lower Upper

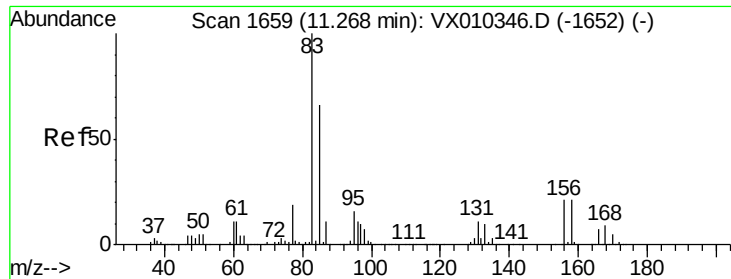
43 100

70 44.3 36.6 54.8

55 24.5 18.7 28.1

61 25.4 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.462 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Instrument :

MSVOA_X

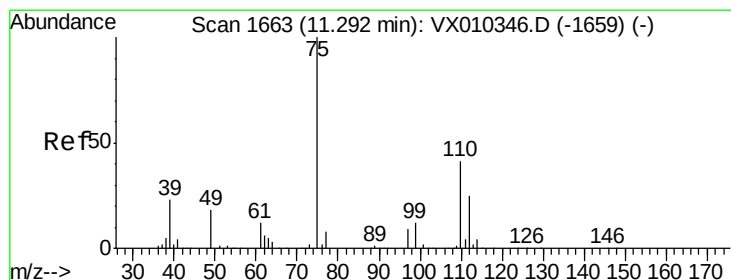
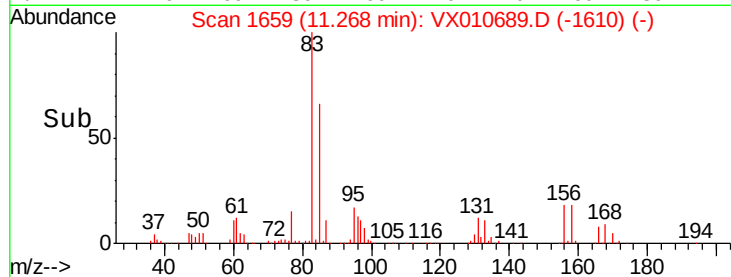
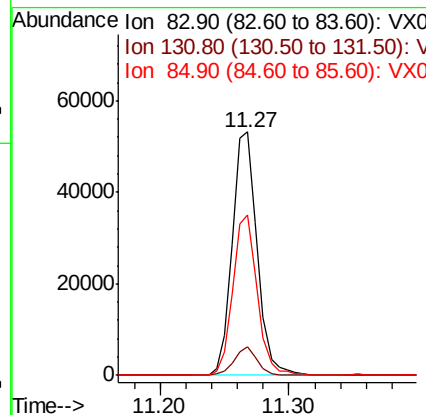
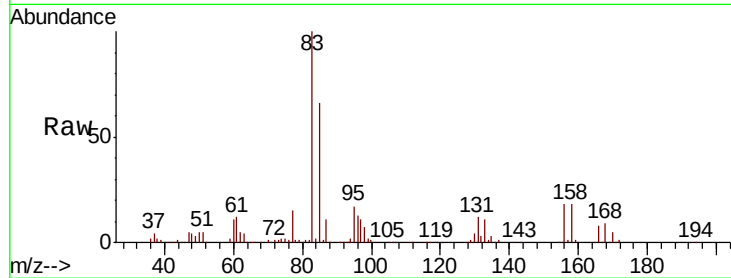
ClientSampleId :

VX0708WBS01

Tgt Ion:	83	Resp:	72309
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.5	16.4
85	64.7	32.3	96.8

Manual Integrations
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7/9/2019 11:10:53 AM



#76

1,2,3-Trichloropropane

Concen: 20.882 ug/l m

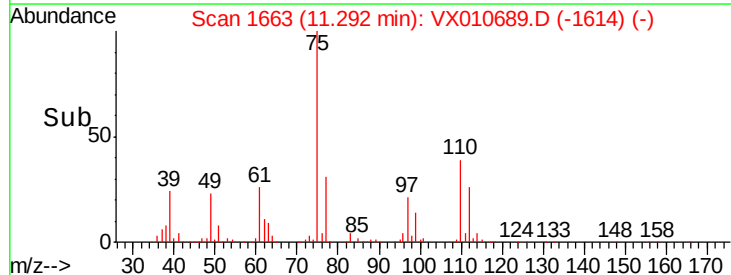
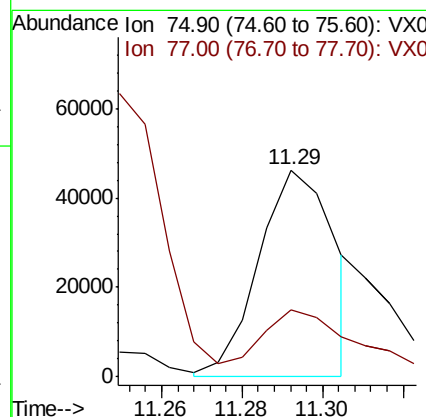
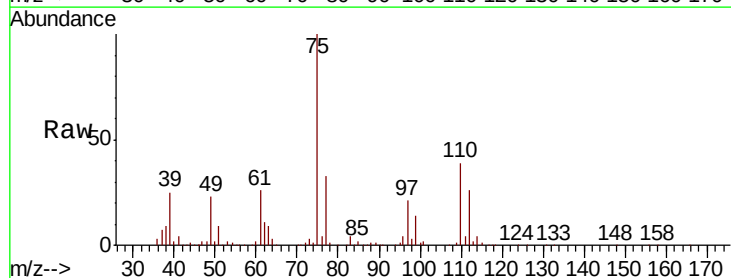
RT: 11.29 min Scan# 1663

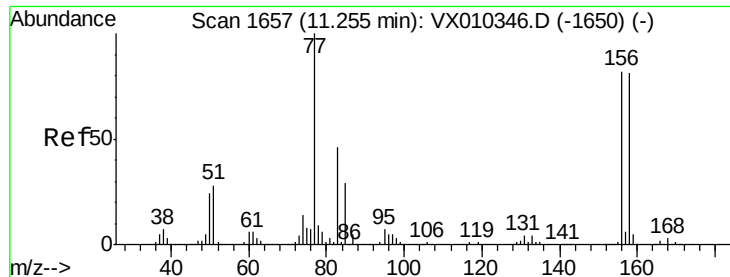
Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Tgt Ion:	75	Resp:	59899
Ion Ratio	Lower	Upper	
75	100		
77	41.8	22.6	67.8





#77

Bromobenzene

Concen: 19.748 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Instrument :

MSVOA_X

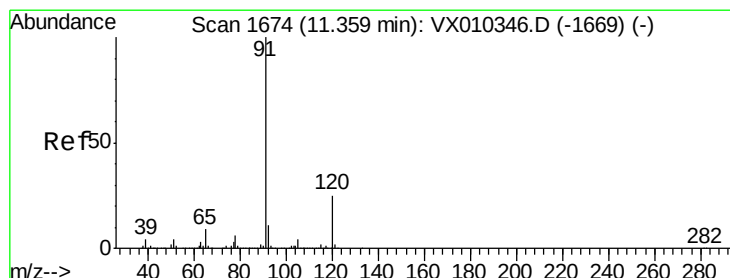
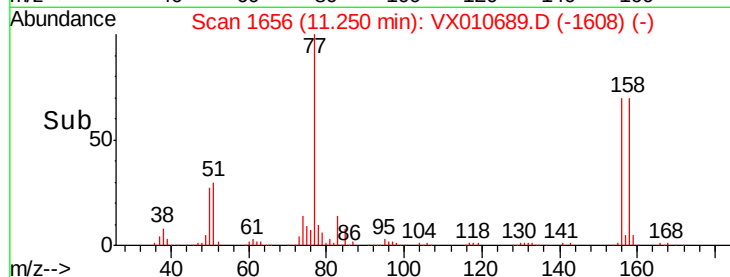
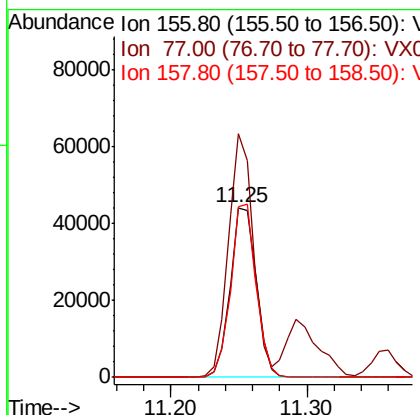
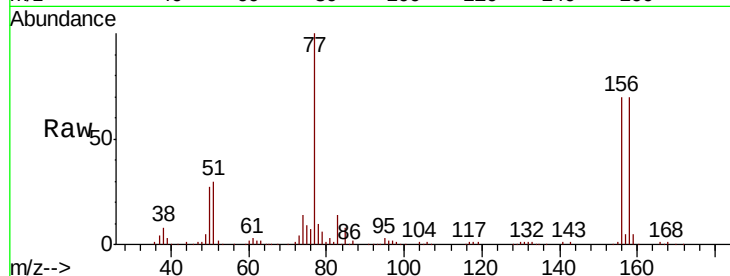
ClientSampled :

VX0708WBS01

Tgt Ion:	156	Resp:	58839
Ion Ratio	Lower	Upper	
156	100		
77	136.5	66.3	198.7
158	99.1	48.9	146.7

Manual Integrations
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7/9/2019 11:10:53 AM



#78

n-propylbenzene

Concen: 20.407 ug/l

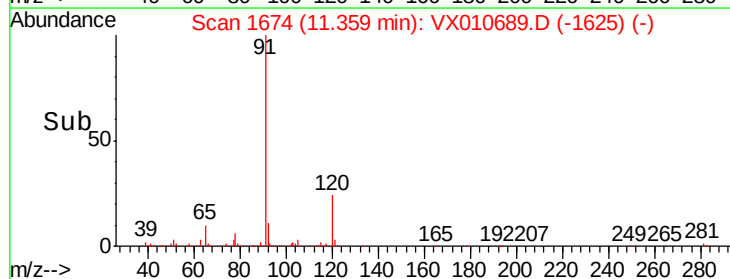
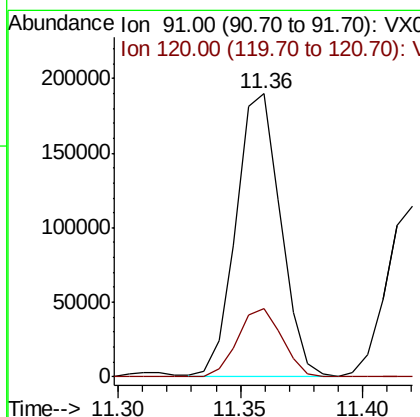
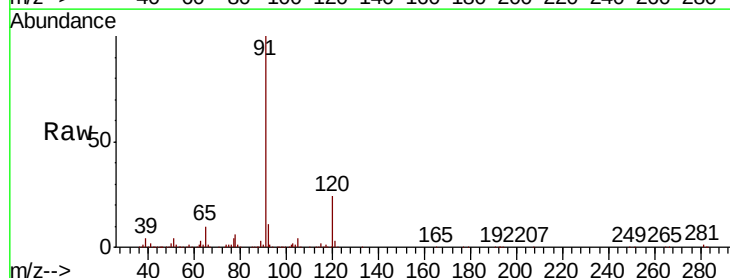
RT: 11.36 min Scan# 1674

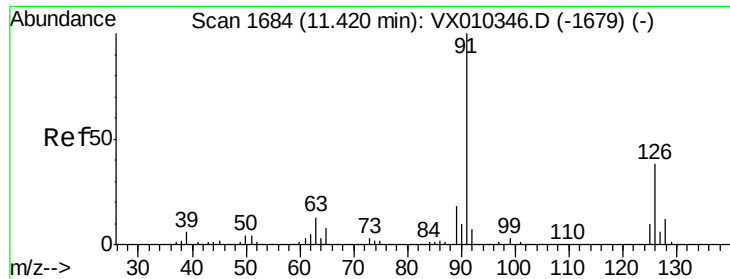
Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Tgt Ion:	91	Resp:	239321
Ion Ratio	Lower	Upper	
91	100		
120	24.5	12.4	37.4





#79

2-Chlorotoluene

Concen: 20.288 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Instrument :

MSVOA_X

ClientSampled :

VX0708WBS01

Tgt Ion: 91 Resp: 141677

Ion Ratio Lower Upper

91 100

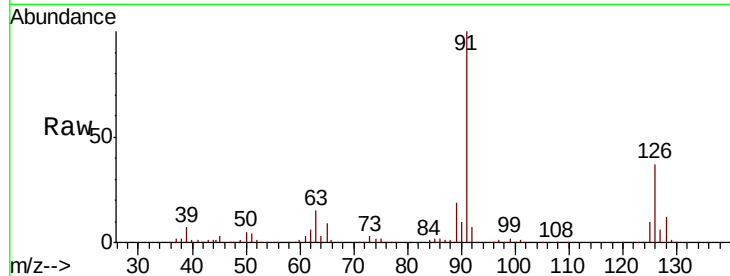
126 37.5 18.7 56.1

Manual Integrations

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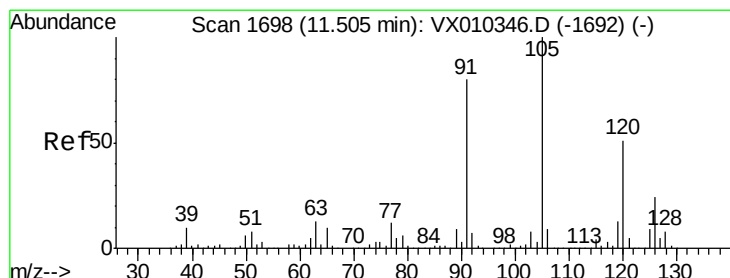
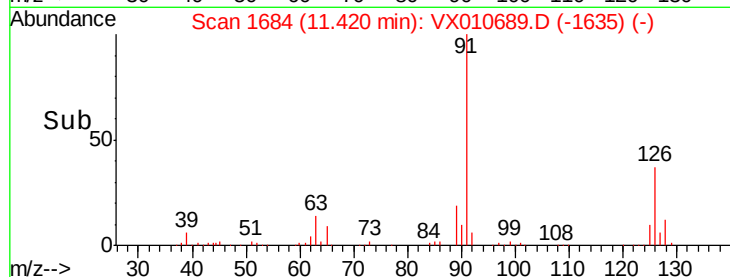
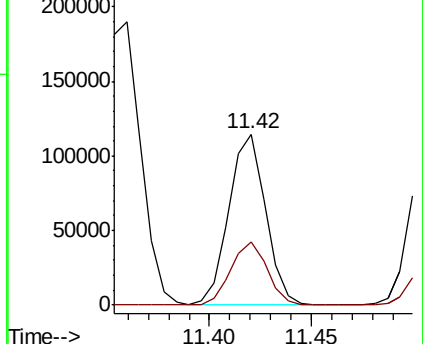
MMDadoda

7/9/2019 11:10:53 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.675 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010689.D

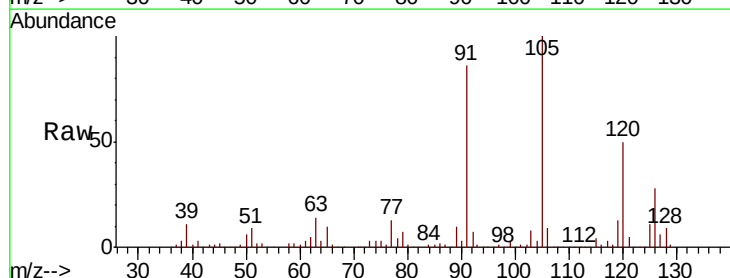
Acq: 08 Jul 2019 12:42

Tgt Ion: 105 Resp: 181867

Ion Ratio Lower Upper

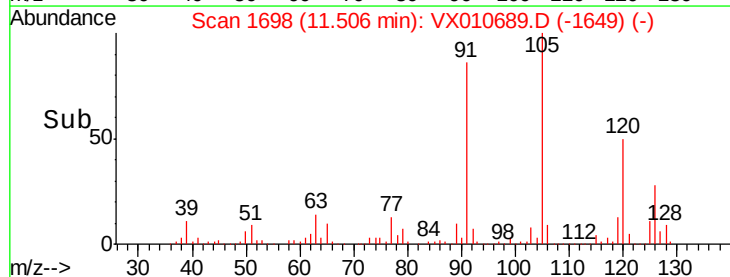
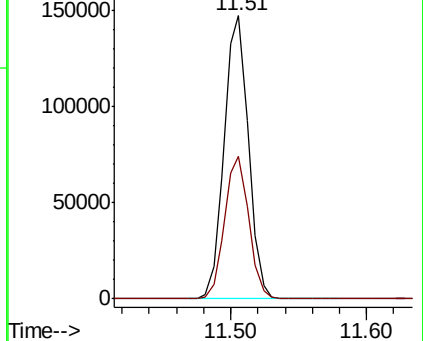
105 100

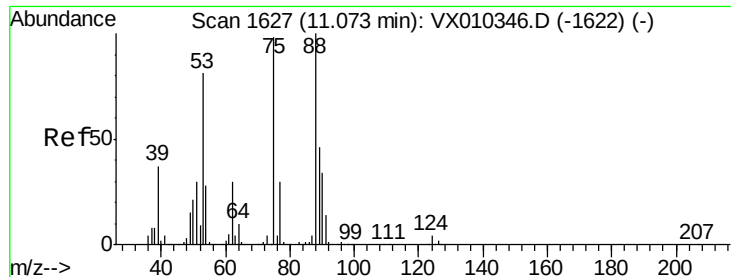
120 50.3 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.748 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Instrument :

MSVOA_X

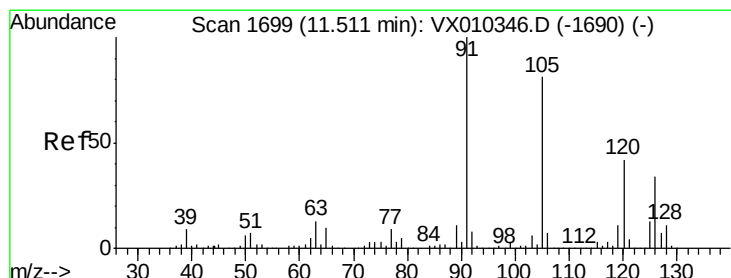
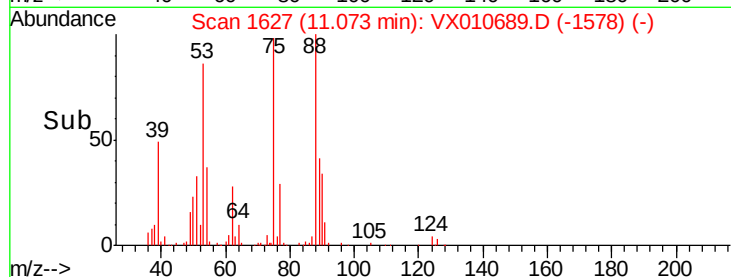
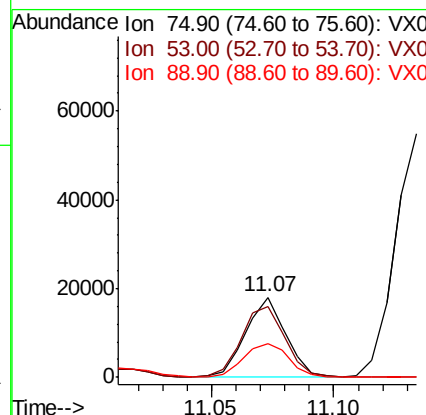
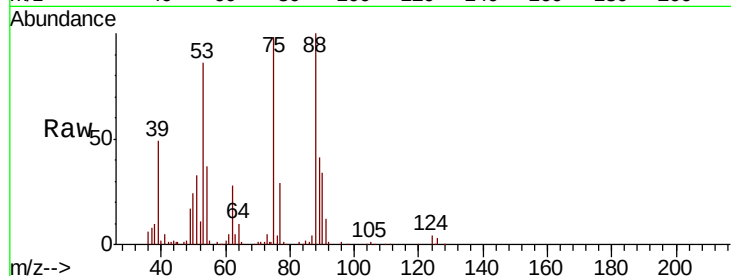
ClientSampleId :

VX0708WBS01

Tgt Ion:	75	Resp:	20592
Ion Ratio	Lower	Upper	
75	100		
53	95.8	66.1	99.1
89	47.1	37.8	56.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.387 ug/l

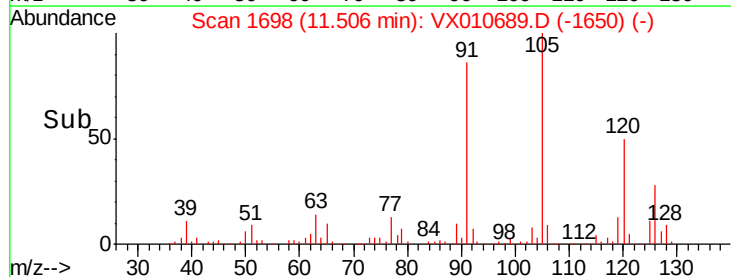
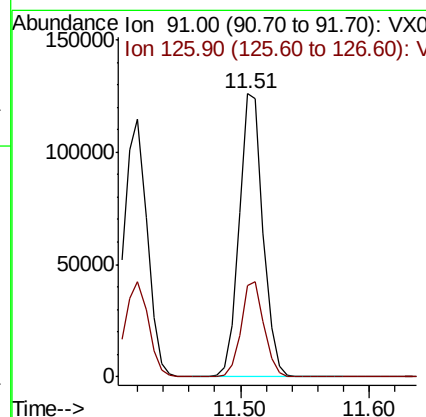
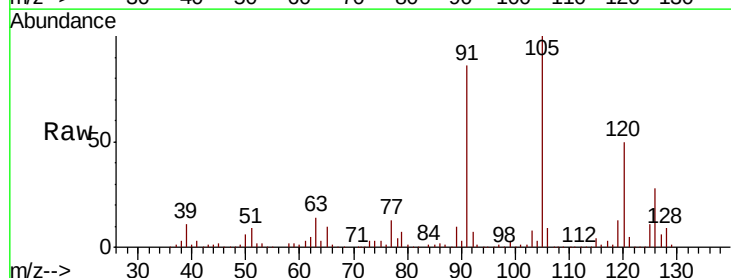
RT: 11.51 min Scan# 1698

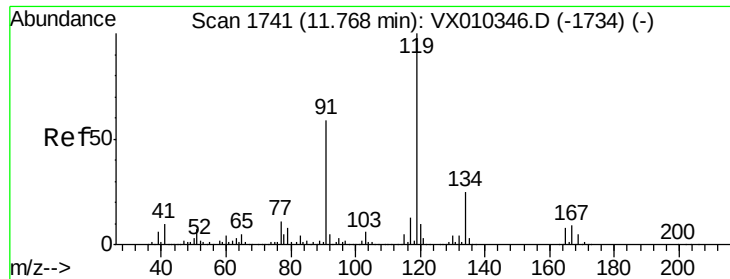
Delta R.T. -0.01 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Tgt Ion:	91	Resp:	161998
Ion Ratio	Lower	Upper	
91	100		
126	32.7	16.2	48.6





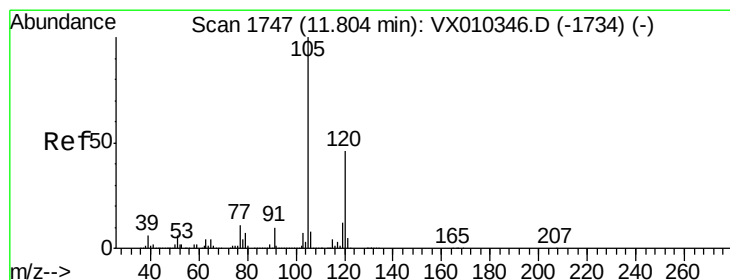
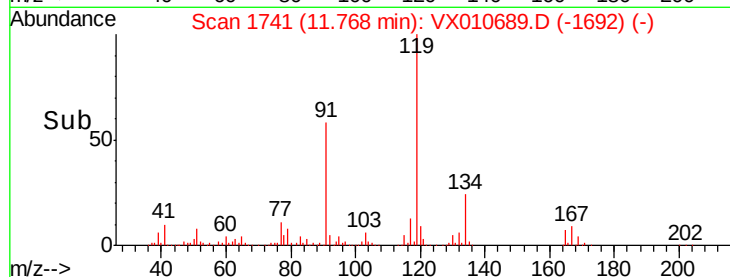
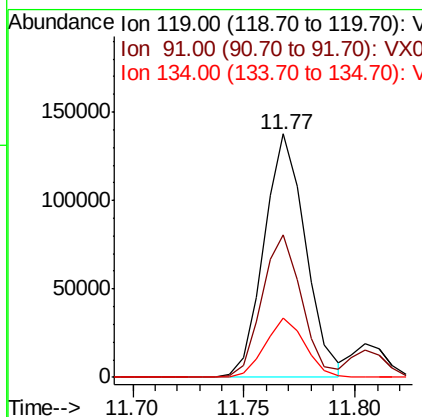
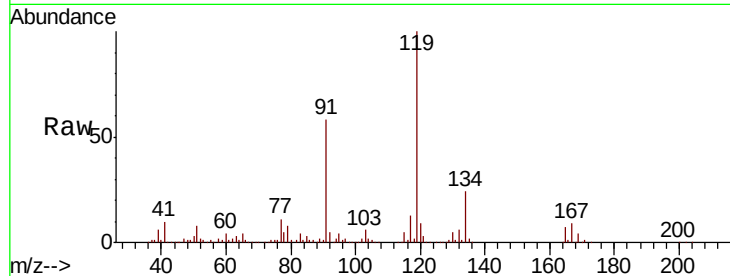
#83
 tert-Butylbenzene
 Concen: 20.145 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010689.D
 Acq: 08 Jul 2019 12:42

Instrument :
 MSVOA_X
 ClientSampled :
 VX0708WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	177859		
91	56.6	27.6	82.7	
134	23.6	11.8	35.4	

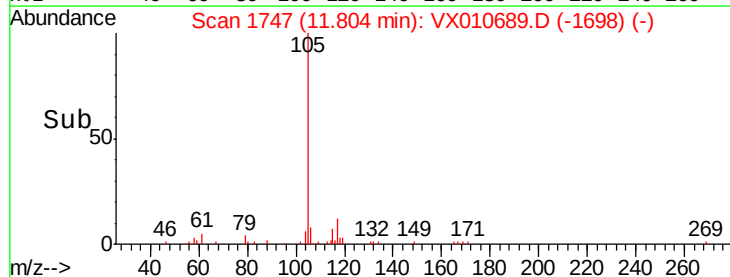
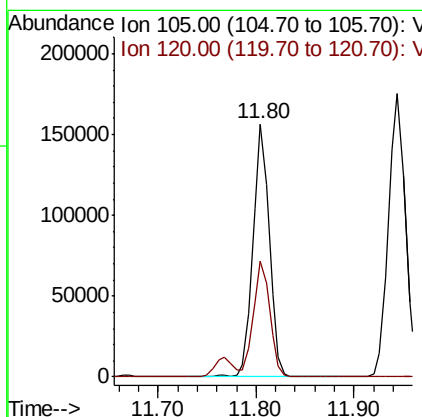
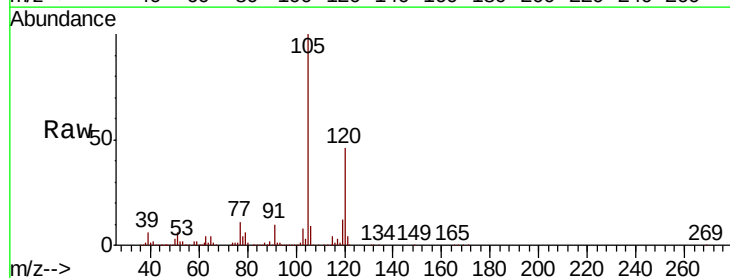
Manual Integrations
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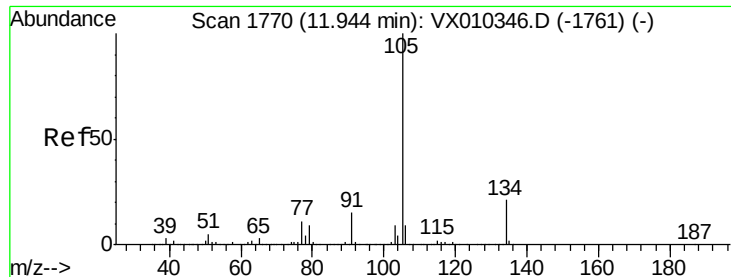
MMDadoda
 7/9/2019 11:10:53 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.621 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010689.D
 Acq: 08 Jul 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	182245		
120	45.7	23.1	69.2	





#85

sec-Butylbenzene

Concen: 20.403 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0708WBS01

Tgt Ion:105 Resp: 211507

Ion Ratio Lower Upper

105 100

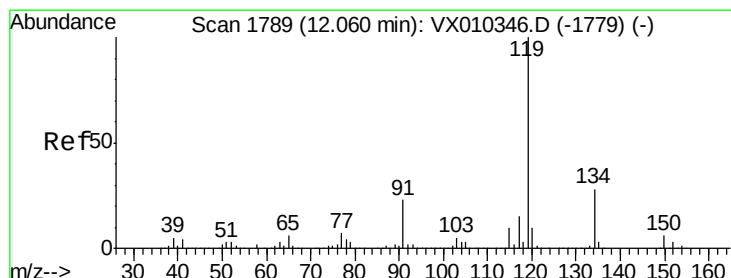
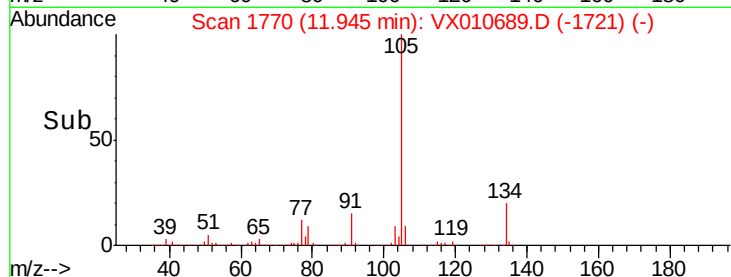
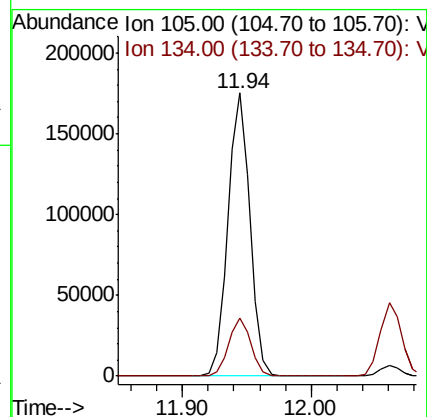
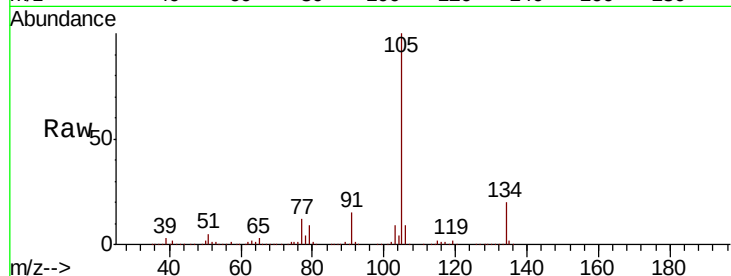
134 20.7 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 20.151 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

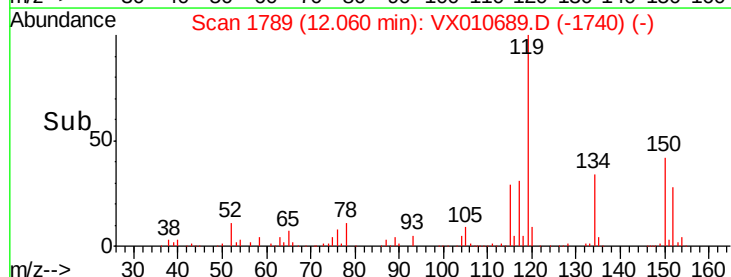
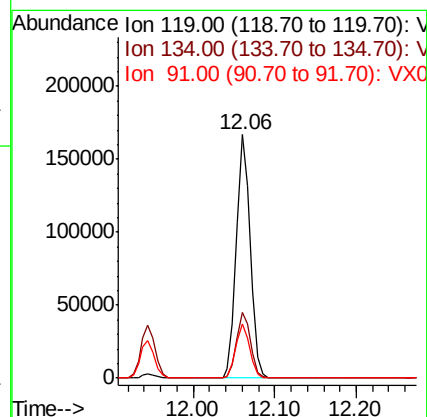
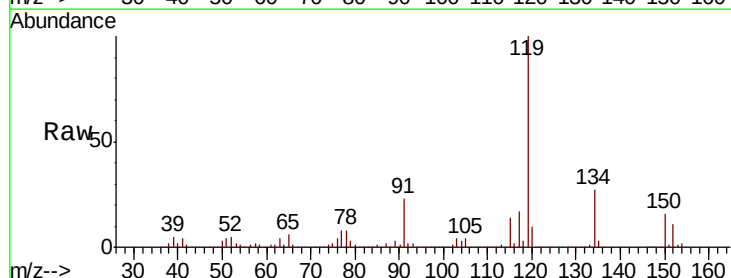
Tgt Ion:119 Resp: 193218

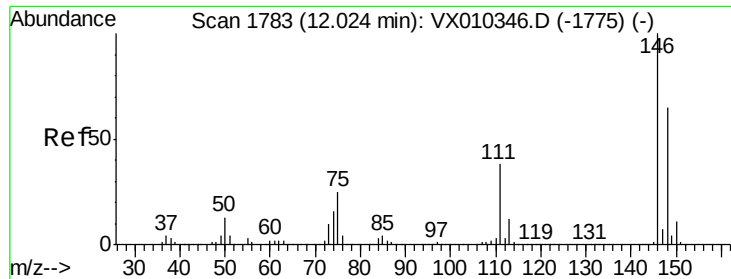
Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.1

91 22.5 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 19.978 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Instrument :

MSVOA_X

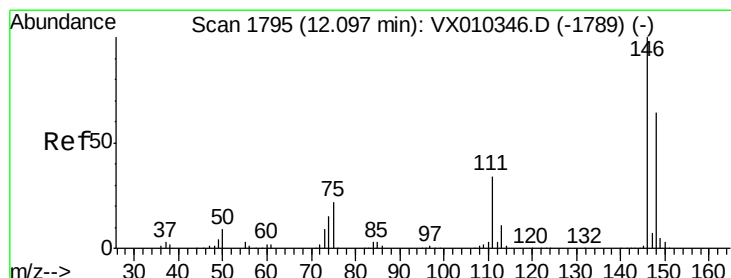
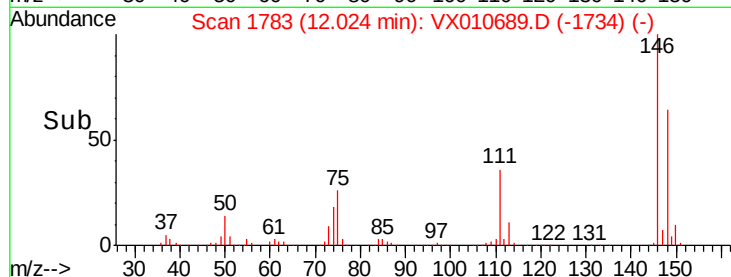
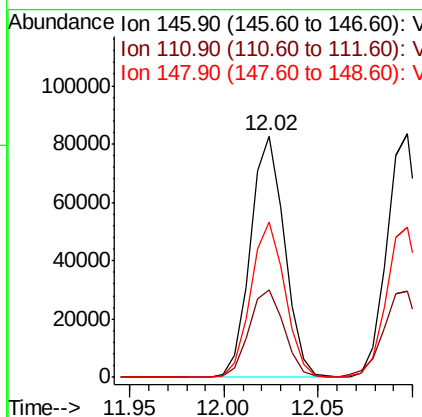
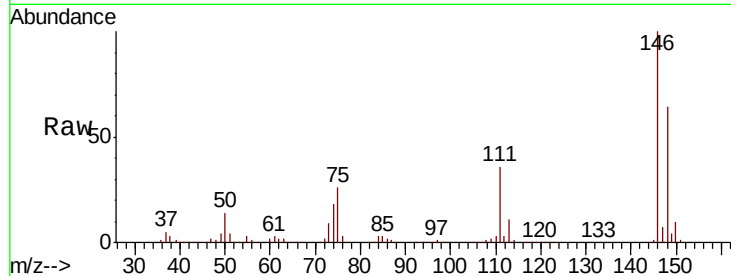
ClientSampled :

VX0708WBS01

Tgt Ion:	146	Resp:	103904
Ion Ratio	Lower	Upper	
146	100		
111	37.3	19.1	57.1
148	64.4	32.5	97.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.907 ug/l

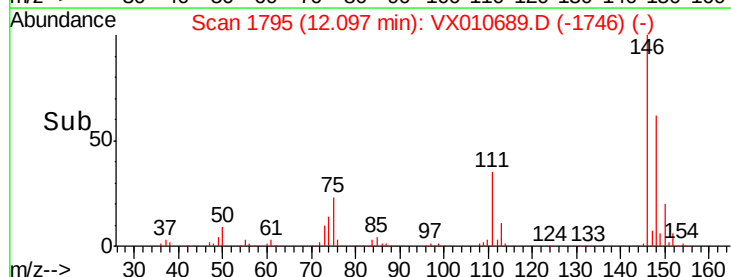
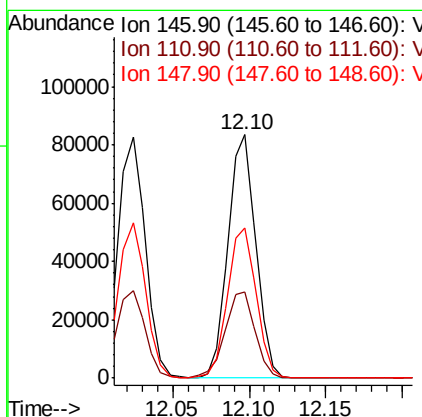
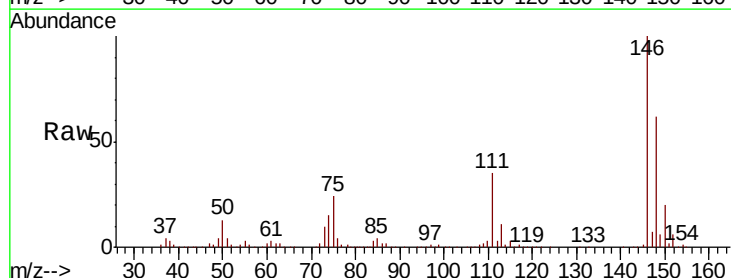
RT: 12.10 min Scan# 1795

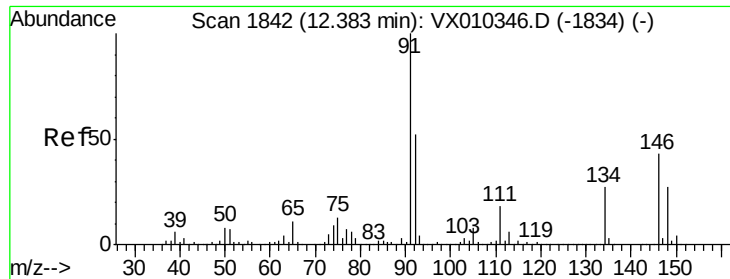
Delta R.T. 0.00 min

Lab File: VX010689.D

Acq: 08 Jul 2019 12:42

Tgt Ion:	146	Resp:	105404
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.1	54.3
148	63.5	32.1	96.3





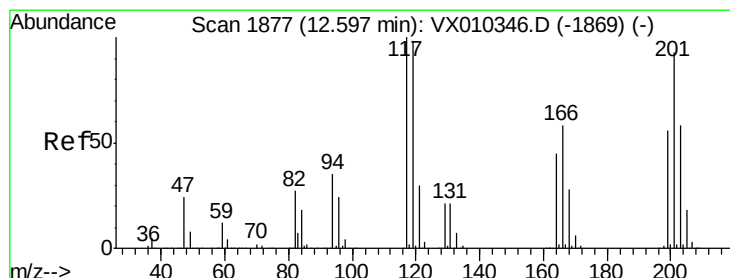
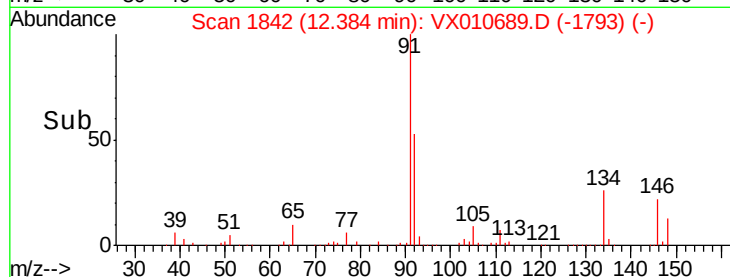
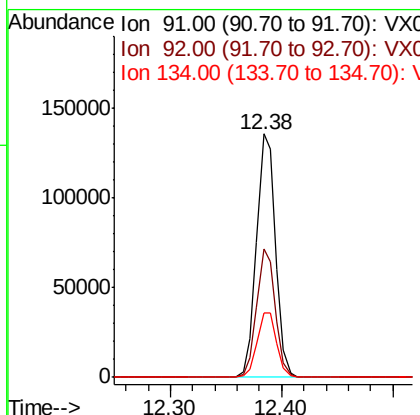
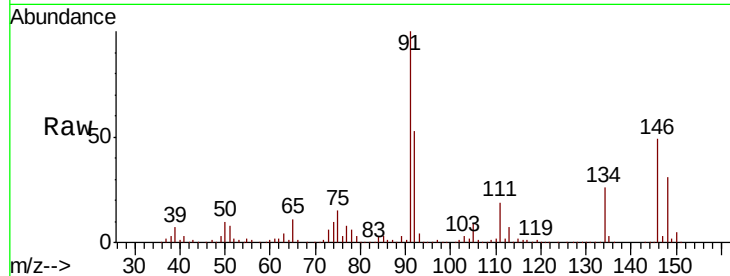
#89
n-Butylbenzene
Concen: 19.908 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0708WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.2	78.5
134	27.3	14.1	42.4

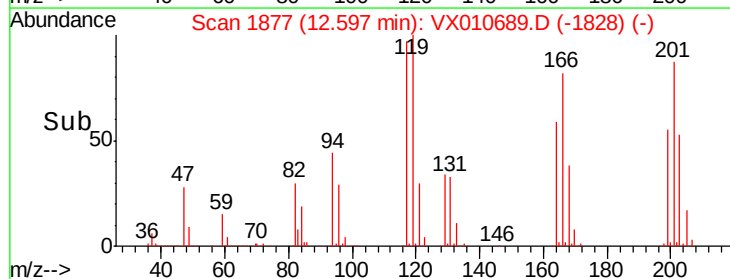
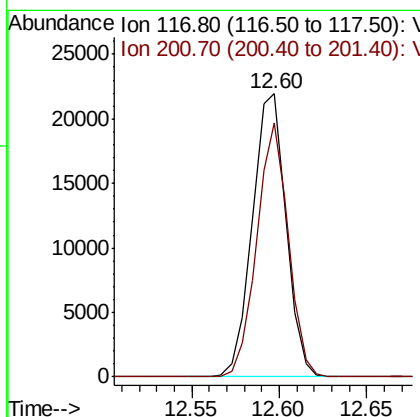
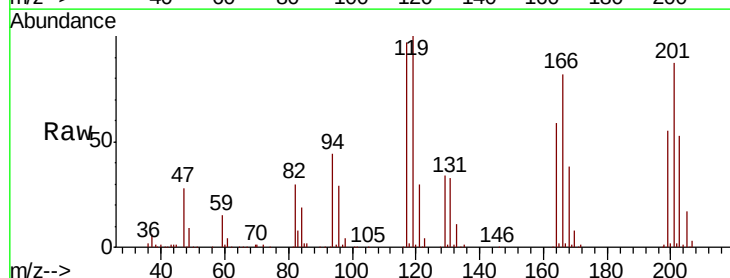
Manual Integrations
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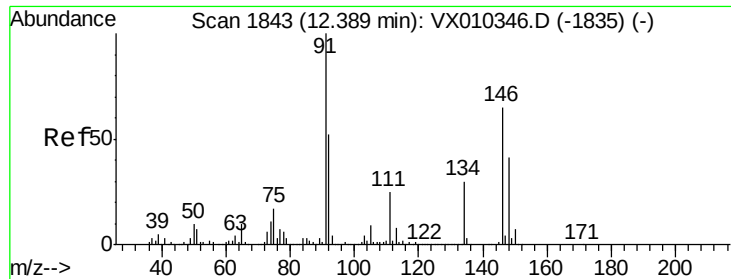
MMDadoda
7/9/2019 11:10:53 AM



#90
Hexachloroethane
Concen: 17.861 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.9	44.0	131.8





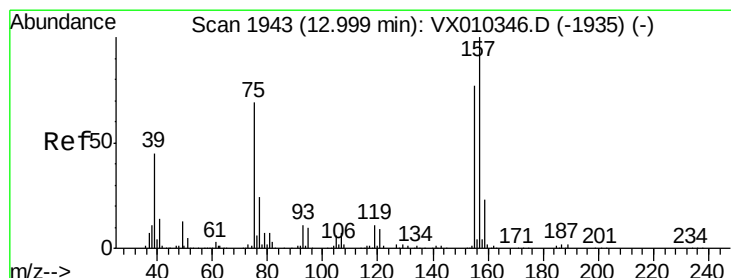
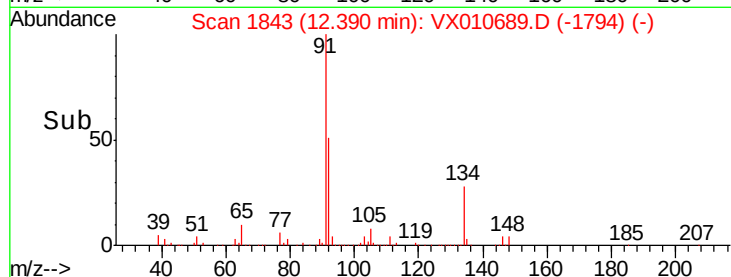
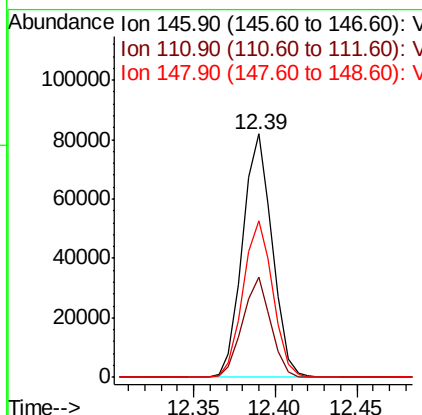
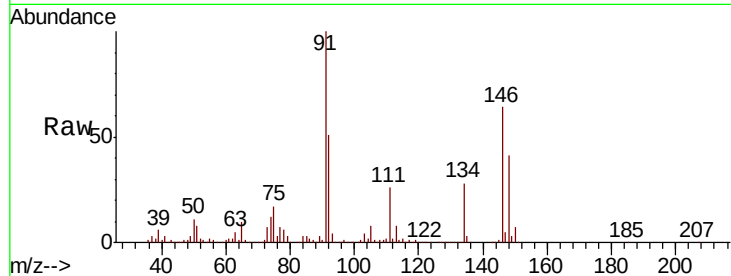
#91
 1,2-Dichlorobenzene
 Concen: 20.102 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010689.D
 Acq: 08 Jul 2019 12:42

Instrument :
 MSVOA_X
 ClientSampled :
 VX0708WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.2	57.6
148	64.7	32.0	96.0

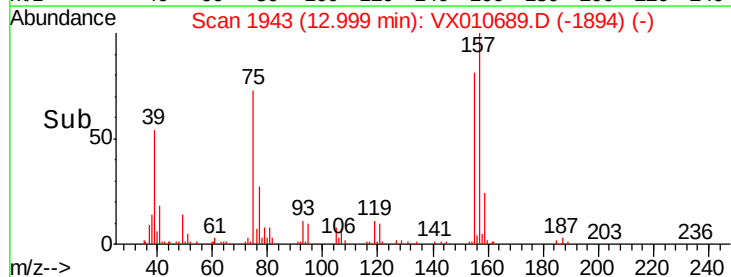
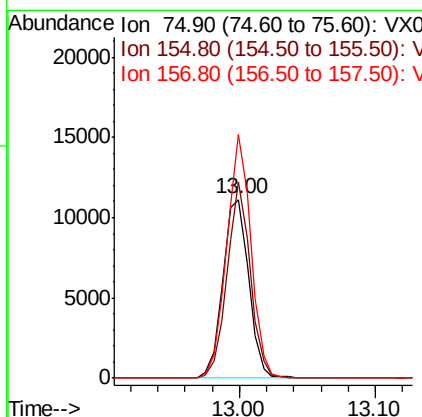
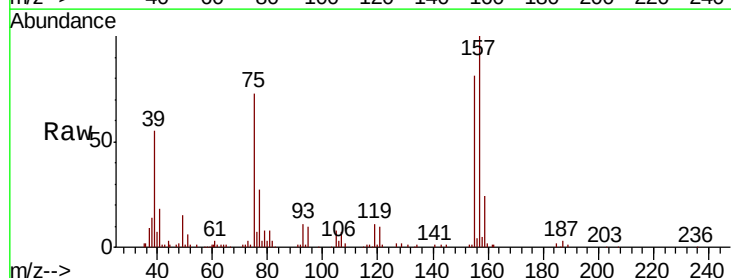
Manual Integrations
 APPROVED

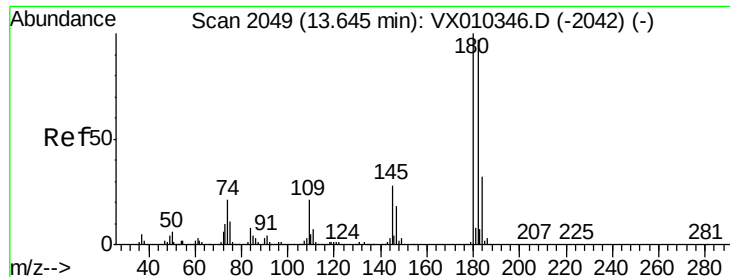
MMDadoda
 7/9/2019 11:10:53 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.321 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010689.D
 Acq: 08 Jul 2019 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	54.4	163.1
157	126.7	69.5	208.3





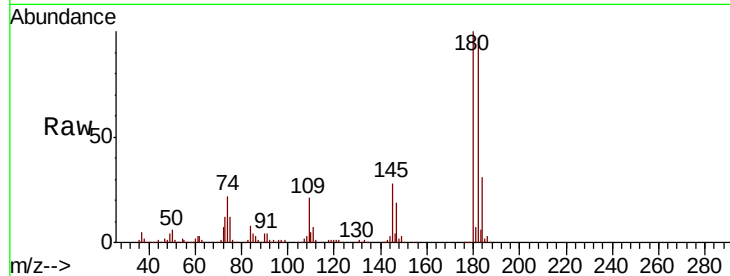
#93
 1,2,4-Trichlorobenzene
 Concen: 19.275 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010689.D
 Acq: 08 Jul 2019 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0708WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	69093		
182	94.7	48.0	144.0	
145	28.8	14.4	43.4	

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 11:10:53 AM

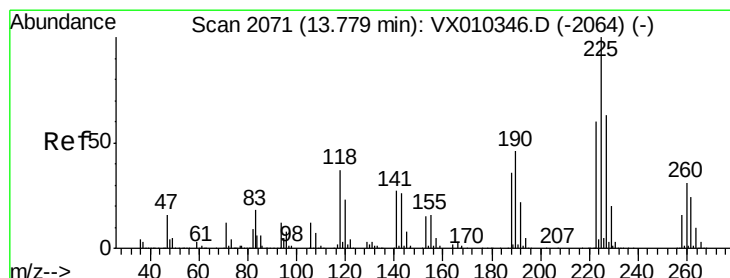
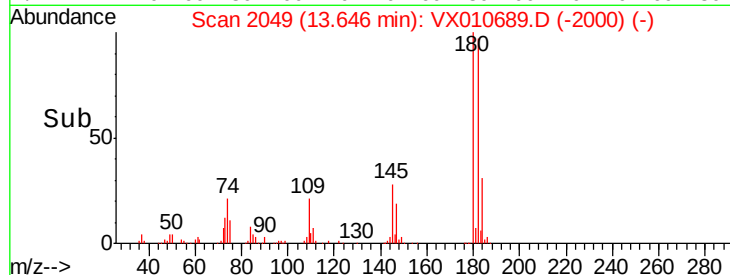
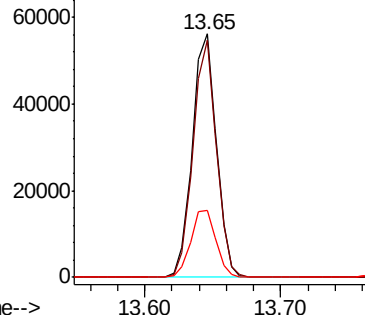


Abundance

Ion 179.80 (179.50 to 180.50): V

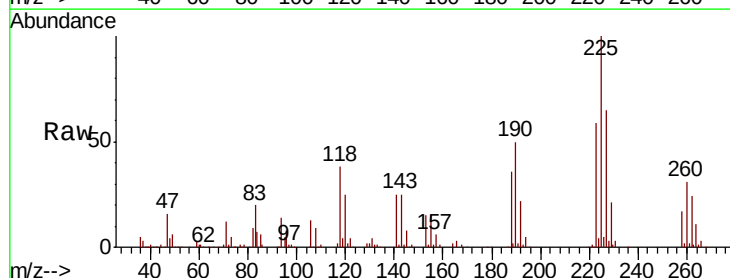
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.587 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010689.D
 Acq: 08 Jul 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	34315		
223	61.3	30.9	92.7	
227	62.8	31.9	95.5	

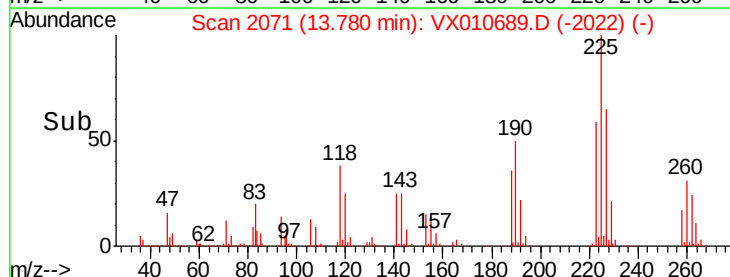
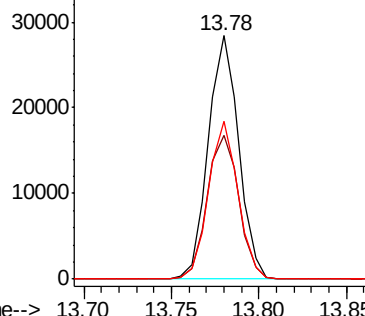


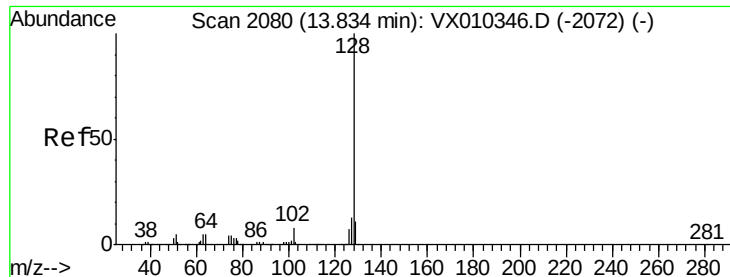
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





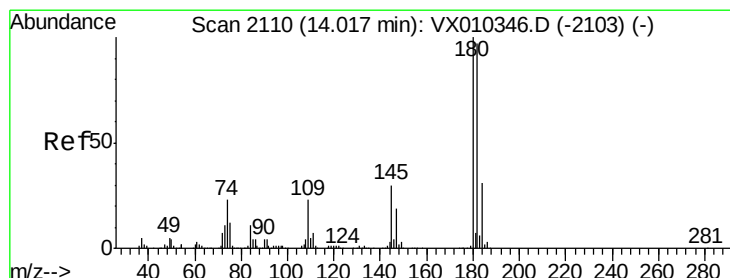
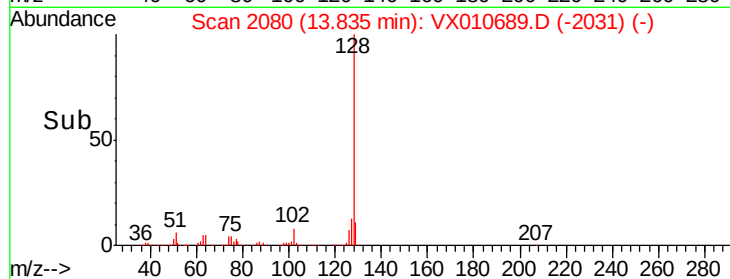
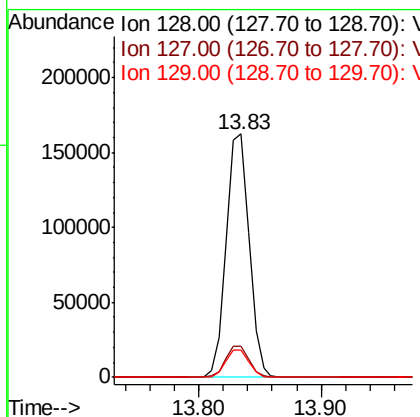
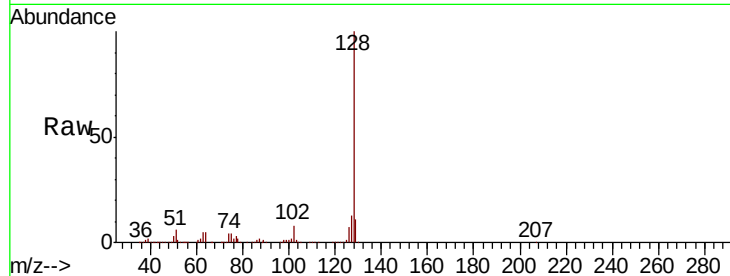
#95
Naphthalene
Concen: 19.122 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0708WBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.4	8.9	13.3

Manual Integrations
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7/9/2019 11:10:53 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.820 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010689.D
Acq: 08 Jul 2019 12:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	30.9	15.2	45.6

