

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070618\
 Data File : VX003223.D
 Acq On : 06 Jul 2018 20:13
 Operator : JC/MD
 Sample : VX0706WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 12:56:54 PM

Quant Time: Jul 07 00:15:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	217576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	296614	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	282553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176430	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	156546	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
35) Dibromofluoromethane	5.51	113	133832	56.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.96%	
50) Toluene-d8	8.72	98	451614	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
62) 4-Bromofluorobenzene	11.14	95	177104	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	37912	19.332	ug/l	96
3) Chloromethane	1.32	50	40342	19.268	ug/l	98
4) Vinyl Chloride	1.40	62	44361	18.029	ug/l	93
5) Bromomethane	1.64	94	19745	15.303	ug/l	96
6) Chloroethane	1.72	64	29267	18.958	ug/l	99
7) Trichlorofluoromethane	1.93	101	70741	17.044	ug/l	100
8) Diethyl Ether	2.19	74	27629	18.311	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	41653	17.320	ug/l	96
10) Methyl Iodide	2.51	142	36481	19.321	ug/l	96
11) Tert butyl alcohol	3.08	59	53528	89.349	ug/l	98
12) 1,1-Dichloroethene	2.37	96	37740	17.588	ug/l	93
13) Acrolein	2.29	56	38432	117.985	ug/l	97
14) Allyl chloride	2.73	41	74752	17.673	ug/l	95
15) Acrylonitrile	3.15	53	118398	92.526	ug/l	99
16) Acetone	2.45	43	105024	84.328	ug/l	97
17) Carbon Disulfide	2.57	76	95612	16.723	ug/l	99
18) Methyl Acetate	2.78	43	58959	16.932	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	138844	17.998	ug/l	99
20) Methylene Chloride	2.86	84	50029	20.643	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	42363	18.126	ug/l	93
22) Diisopropyl ether	3.87	45	154350	19.090	ug/l	97
23) Vinyl Acetate	3.83	43	625511	91.363	ug/l	97
24) 1,1-Dichloroethane	3.70	63	80112	18.230	ug/l	99
25) 2-Butanone	4.71	43	177707	96.145	ug/l	95
26) 2,2-Dichloropropane	4.59	77	63654	17.813	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	50790	19.382	ug/l	99
28) Bromochloromethane	5.02	49	47771	22.711	ug/l	91
29) Tetrahydrofuran	5.17	42	113215	95.517	ug/l	95
30) Chloroform	5.22	83	86879	19.264	ug/l	97
31) Cyclohexane	5.57	56	68397	18.136	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	74939	18.886	ug/l	98
36) 1,1-Dichloropropene	5.80	75	59870	18.406	ug/l	97
37) Ethyl Acetate	4.87	43	68659	19.604	ug/l	96
38) Carbon Tetrachloride	5.78	117	66376	18.595	ug/l	97

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 Misc : 5.0mL/MSVOA X/WATER
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Manual Integrations
 APPROVED

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 7/9/2018 12:56:54 PM

Quant Time: Jul 07 00:15:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	66444	17.537	ug/l	96
40) Benzene	6.15	78	187011	19.787	ug/l	100
41) Methacrylonitrile	5.07	41	39024	19.350	ug/l	96
42) 1,2-Dichloroethane	6.20	62	69564	18.221	ug/l	98
43) Isopropyl Acetate	6.47	43	108630	18.494	ug/l	97
44) Trichloroethene	7.22	130	54135	19.212	ug/l	96
45) 1,2-Dichloropropane	7.52	63	48080	19.178	ug/l	97
46) Dibromomethane	7.67	93	33481	19.244	ug/l	96
47) Bromodichloromethane	7.90	83	61273	19.050	ug/l	99
48) Methyl methacrylate	7.78	41	54425	17.983	ug/l	94
49) 1,4-Dioxane	7.76	88	23649	401.633	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	354890	96.570	ug/l	99
52) Toluene	8.79	92	118058	19.499	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	69898	19.189	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	62936	17.956	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	50341	20.234	ug/l	98
56) Ethyl methacrylate	9.18	69	68779	18.916	ug/l	92
57) 1,3-Dichloropropane	9.38	76	80377	19.670	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	177414	101.137	ug/l	97
59) 2-Hexanone	9.50	43	266392	95.379	ug/l	97
60) Dibromochloromethane	9.59	129	49781	19.007	ug/l	100
61) 1,2-Dibromoethane	9.68	107	51380	19.689	ug/l	99
64) Tetrachloroethene	9.34	164	61294	19.509	ug/l	97
65) Chlorobenzene	10.14	112	137230	19.121	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	49762	19.087	ug/l	99
67) Ethyl Benzene	10.26	91	218392	18.421	ug/l	100
68) m/p-Xylenes	10.36	106	170988	37.422	ug/l	99
69) o-Xylene	10.70	106	82452	18.533	ug/l	99
70) Styrene	10.71	104	139067	19.237	ug/l	98
71) Bromoform	10.86	173	38963	19.153	ug/l #	98
73) Isopropylbenzene	11.02	105	227656	19.181	ug/l	99
74) N-amyl acetate	6.47	43	108630	18.706	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	72239	19.758	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	69823m	21.848	ug/l	
77) Bromobenzene	11.26	156	65037	19.242	ug/l	96
78) n-propylbenzene	11.37	91	246273	18.229	ug/l	98
79) 2-Chlorotoluene	11.42	91	153236	18.735	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	187448	18.751	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	16429	17.274	ug/l	96
82) 4-Chlorotoluene	11.51	91	178614	18.446	ug/l	98
83) tert-Butylbenzene	11.77	119	186777	18.958	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	190529	18.395	ug/l	98
85) sec-Butylbenzene	11.95	105	221713	18.551	ug/l	99
86) p-Isopropyltoluene	12.07	119	195567	18.200	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	116900	18.937	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	118746	18.692	ug/l	99
89) n-Butylbenzene	12.39	91	155452	16.621	ug/l	99
90) Hexachloroethane	12.60	117	28066	17.560	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	118747	19.058	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	14494	17.635	ug/l	92

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ClientSampleId :
VX0706WBS02

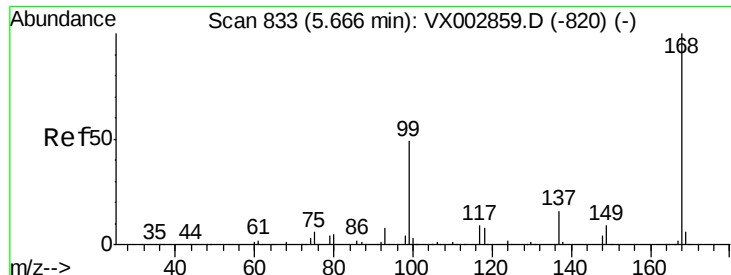
Manual Integrations
APPROVED

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7/9/2018 12:56:54 PM

Quant Time: Jul 07 00:15:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	81106	17.886	ug/l	99
94) Hexachlorobutadiene	13.79	225	40126	17.742	ug/l	99
95) Naphthalene	13.83	128	231977	19.207	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	85455	18.868	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBS02

Tot Ion:168 Resp: 217576

Ion Ratio Lower Upper

168 100

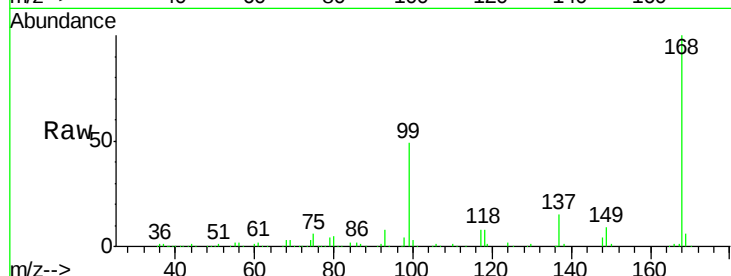
99 49.4 39.3 58.9

Manual Integrations

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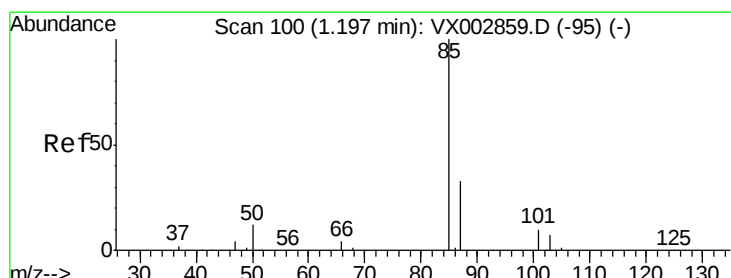
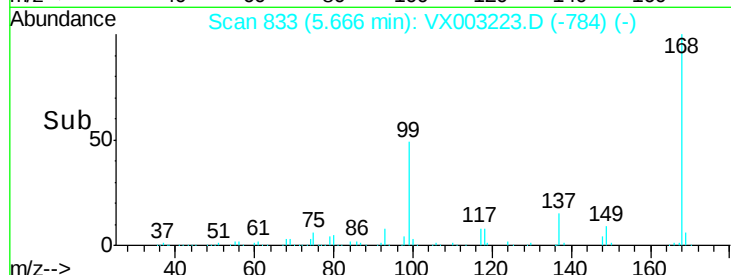
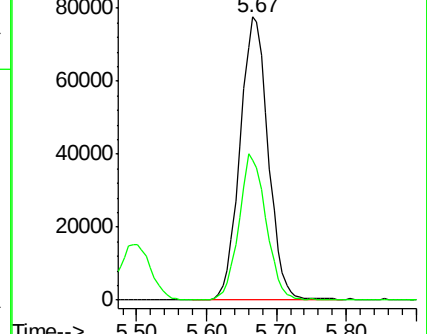
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.332 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003223.D

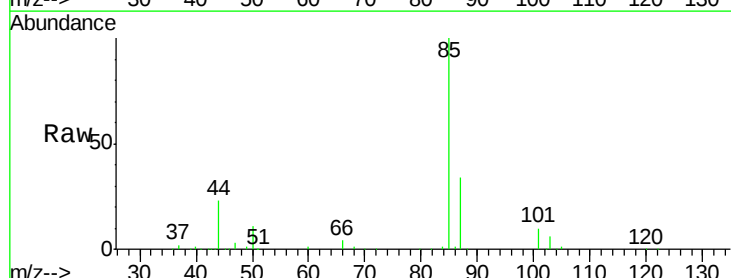
Acq: 06 Jul 2018 20:13

Tgt Ion: 85 Resp: 37912

Ion Ratio Lower Upper

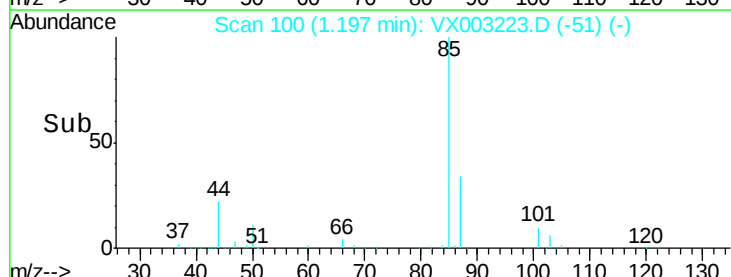
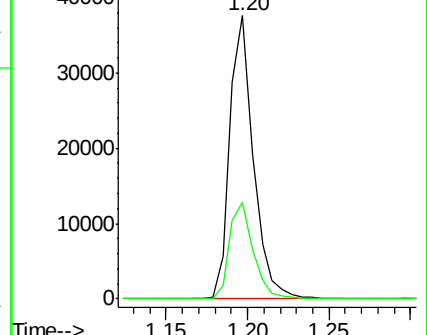
85 100

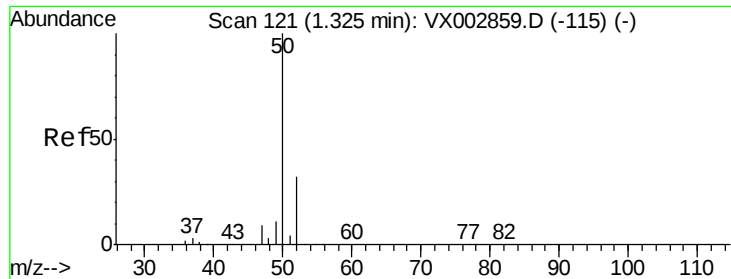
87 34.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.268 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBS02

Tot Ion: 50 Resp: 40342

Ion Ratio Lower Upper

50 100

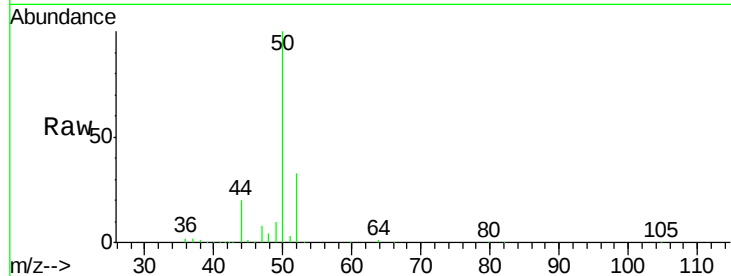
52 33.3 25.7 38.5

Manual Integrations

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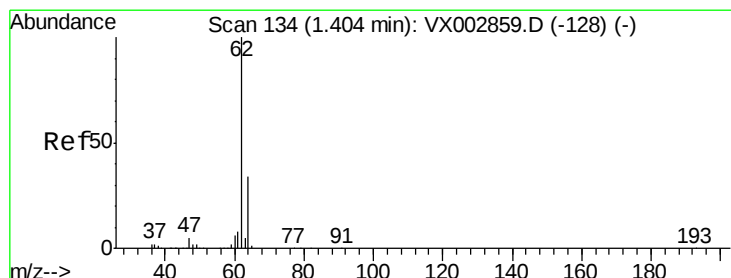
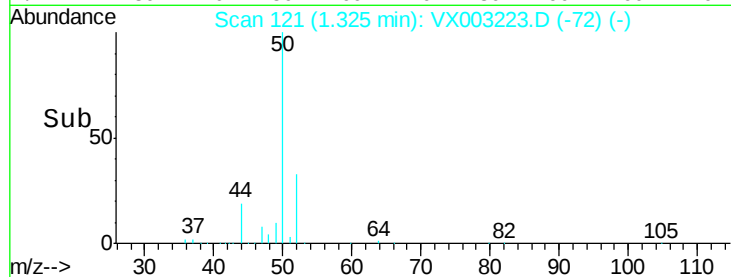
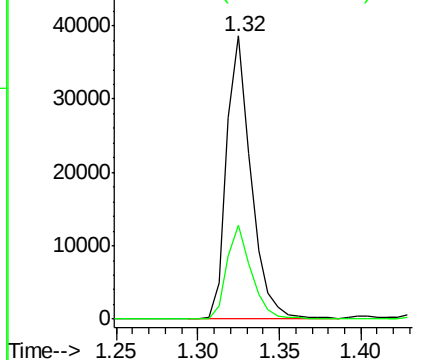
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.029 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003223.D

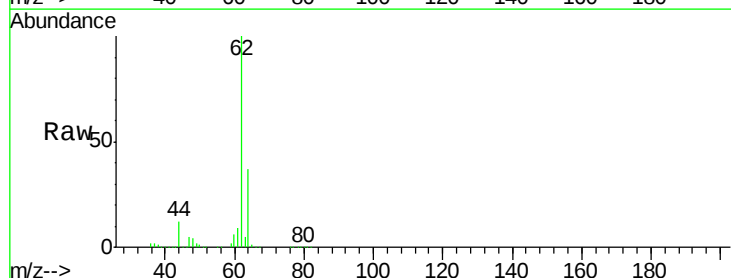
Acq: 06 Jul 2018 20:13

Tgt Ion: 62 Resp: 44361

Ion Ratio Lower Upper

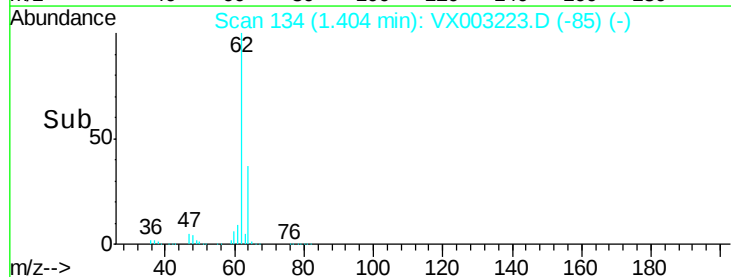
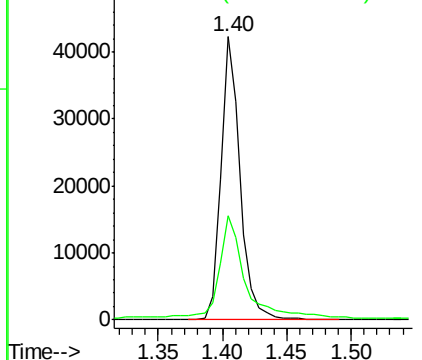
62 100

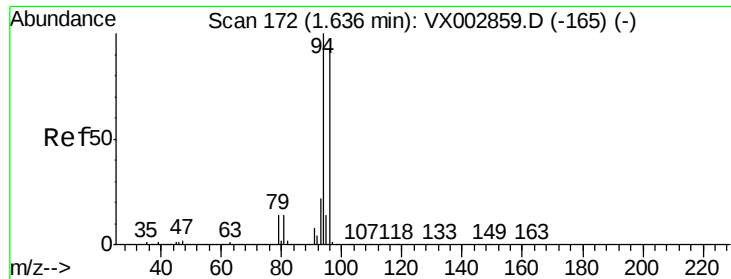
64 35.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 15.303 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBS02

Tot Ion: 94 Resp: 19745

Ion Ratio Lower Upper

94 100

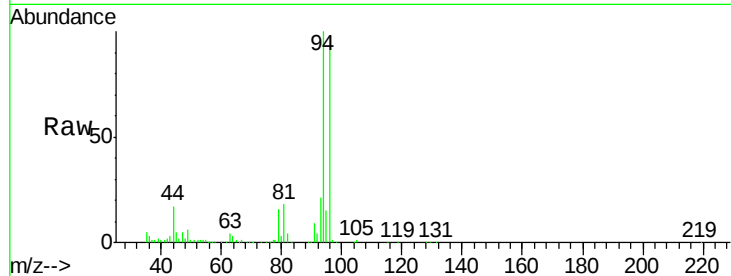
96 97.1 74.9 112.3

Manual Integrations

APPROVED

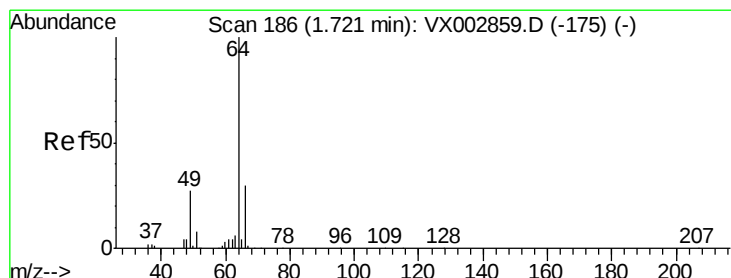
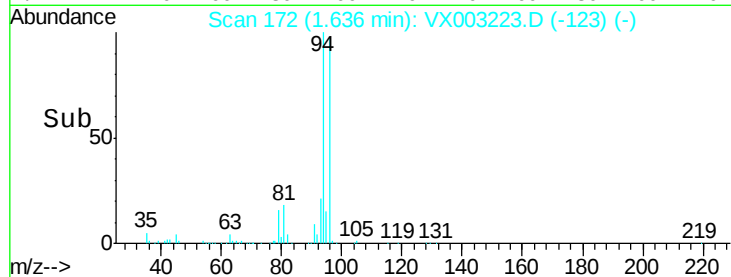
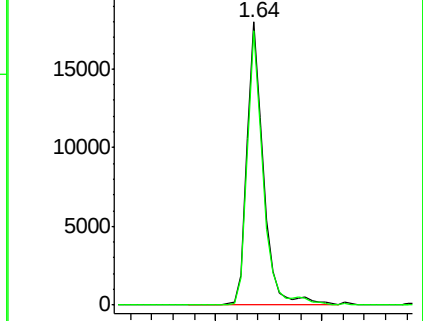
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.958 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003223.D

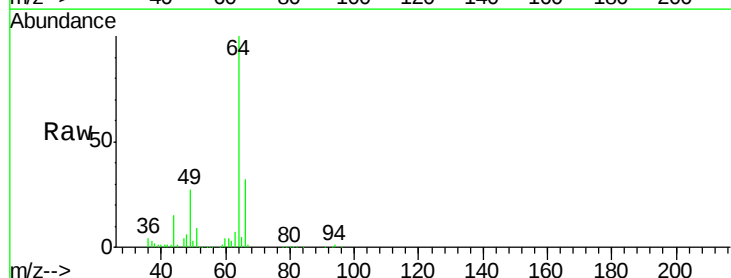
Acq: 06 Jul 2018 20:13

Tgt Ion: 64 Resp: 29267

Ion Ratio Lower Upper

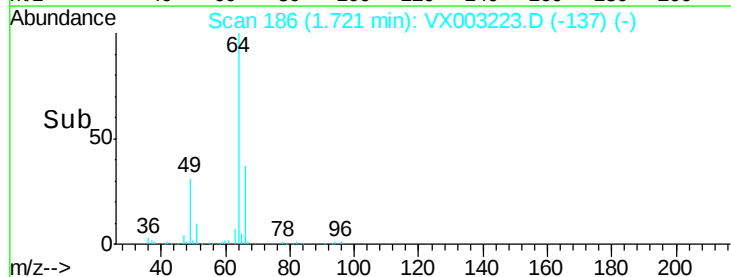
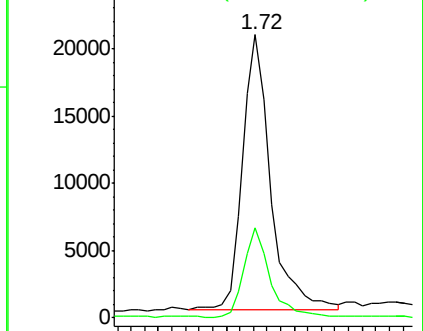
64 100

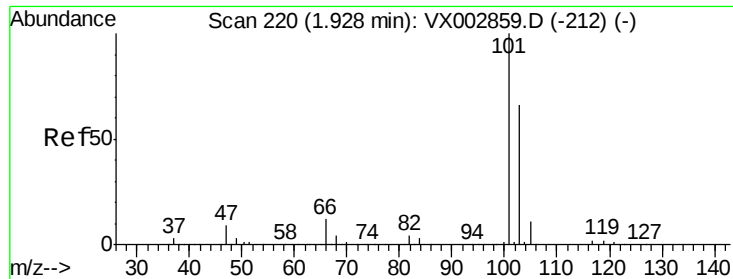
66 32.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

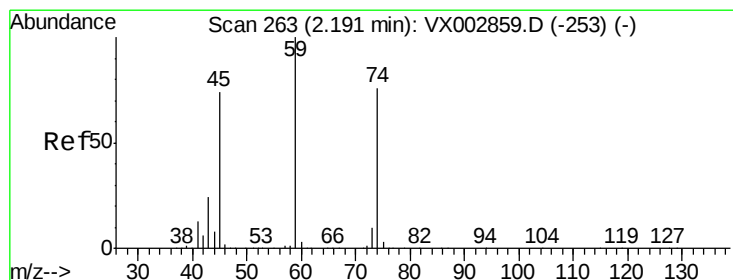
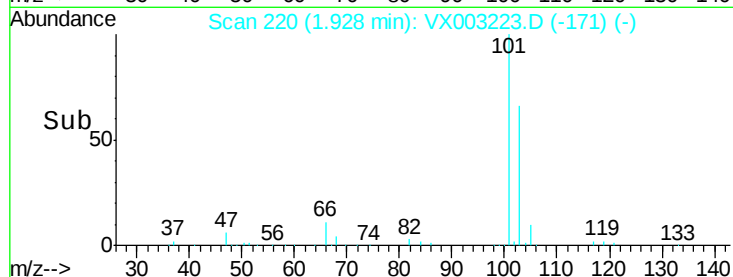
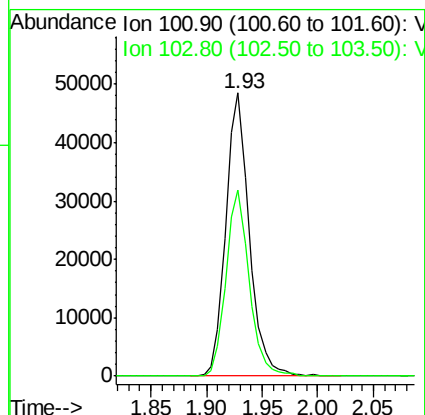
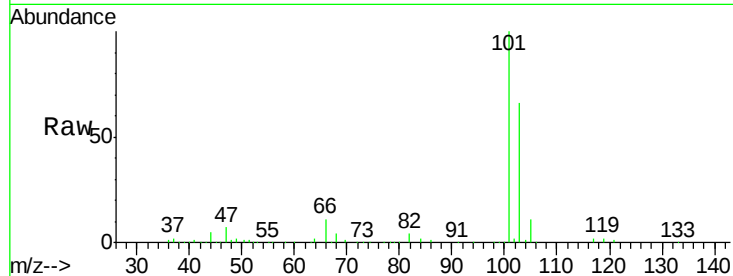
Trichlorofluoromethane
Concen: 17.044 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.8	79.2

Manual Integrations
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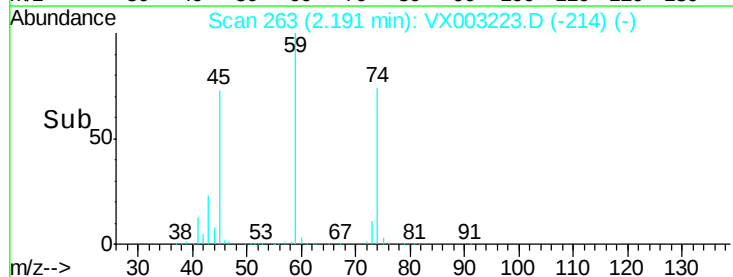
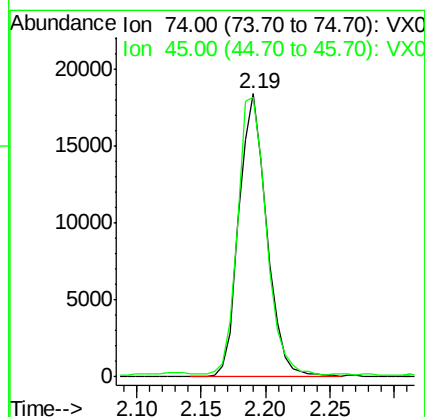
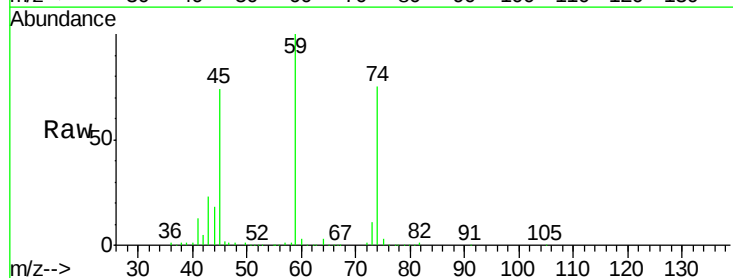
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7/9/2018 12:56:54 PM



#8

Diethyl Ether
Concen: 18.311 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003223.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.8	53.1	159.4





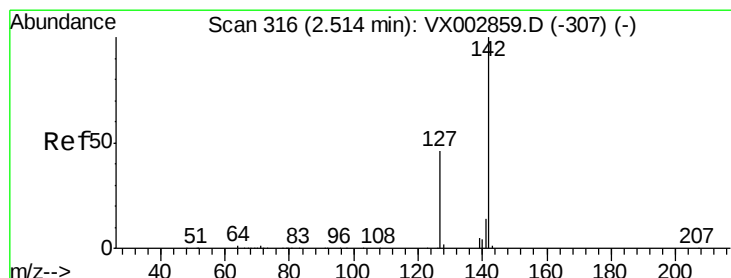
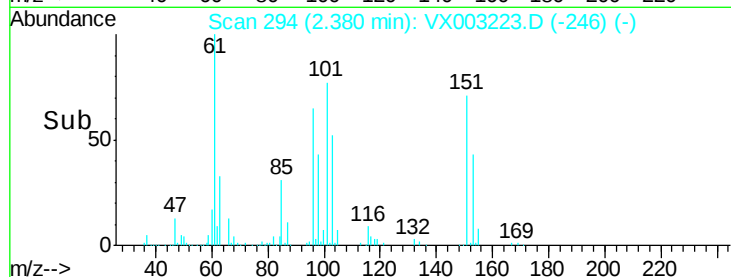
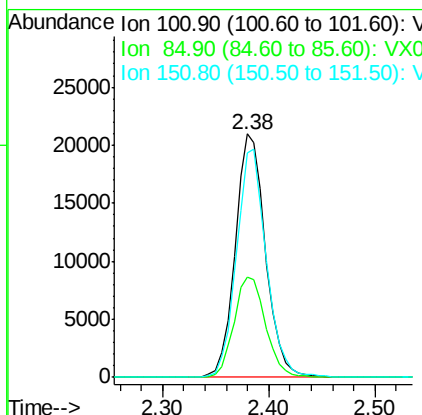
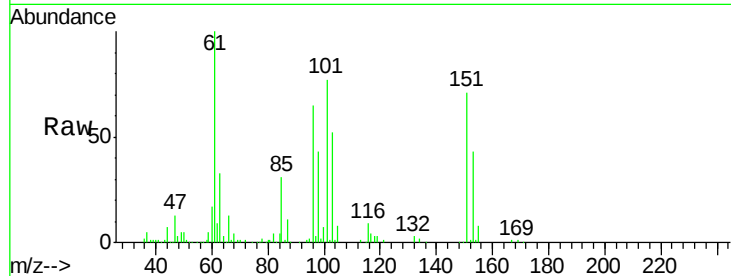
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.320 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	41653		
85	43.5	36.0	54.0	
151	93.0	70.9	106.3	

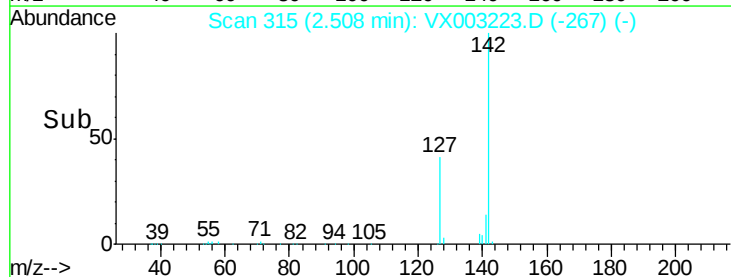
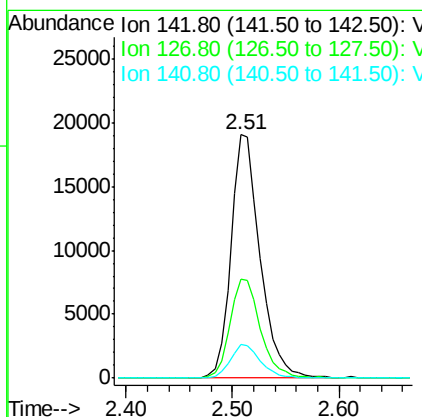
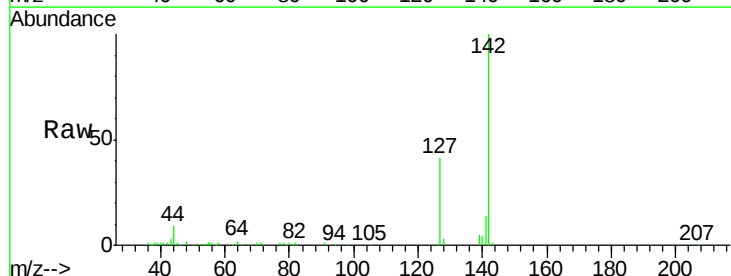
Manual Integrations
 APPROVED

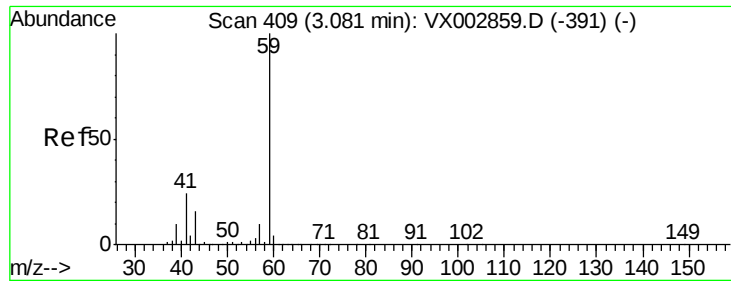
MMDadoda
 7/9/2018 12:56:54 PM



#10
 Methyl Iodide
 Concen: 19.321 ug/l
 RT: 2.51 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	36481		
127	42.7	36.6	55.0	
141	14.4	11.3	16.9	





#11

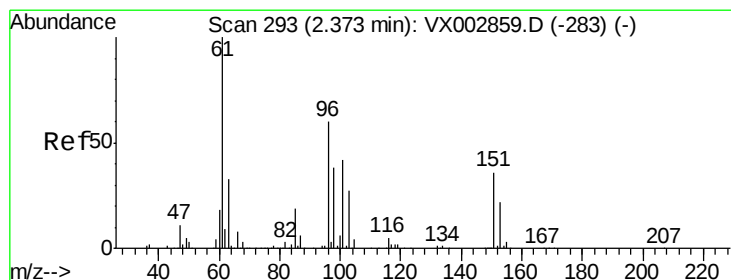
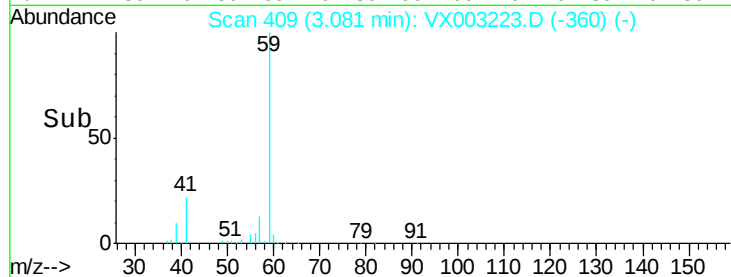
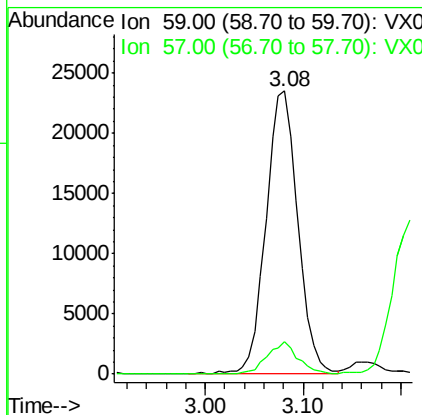
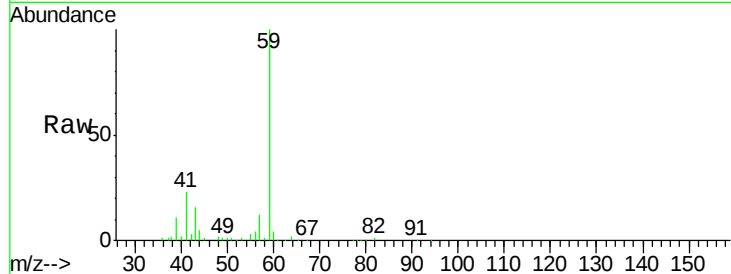
Tert butyl alcohol
 Concen: 89.349 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Instrument :
 MSVOA_X
 ClientSampled :
 VX0706WBS02

Tot Ion	59	Resp	53528
Ion Ratio	100	Lower	Upper
57	11.0	8.2	12.2

Manual Integrations
 APPROVED

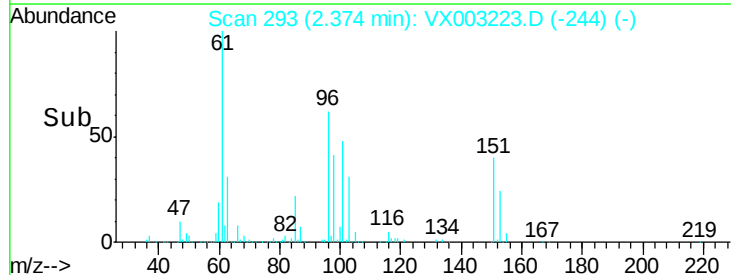
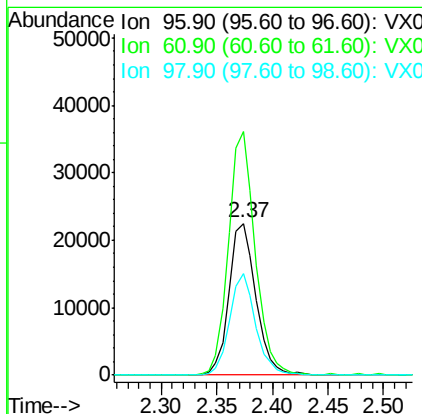
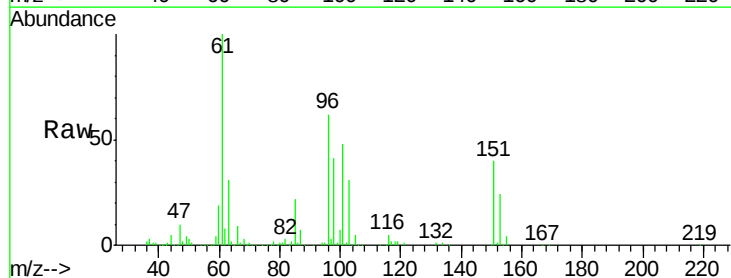
MMDadoda
 7/9/2018 12:56:54 PM



#12

1,1-Dichloroethene
 Concen: 17.588 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Tgt Ion	96	Resp	37740
Ion Ratio	100	Lower	Upper
61	160.7	137.9	206.9
98	66.7	51.6	77.4





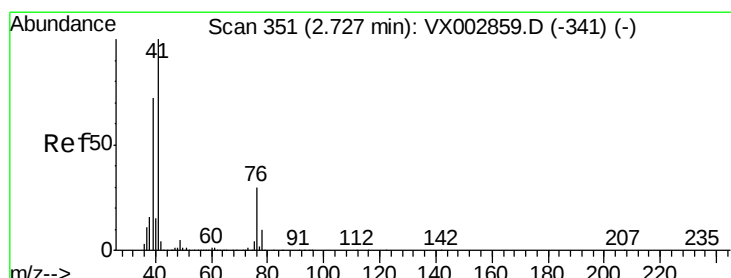
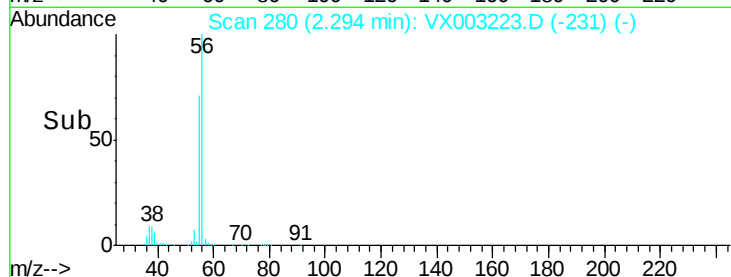
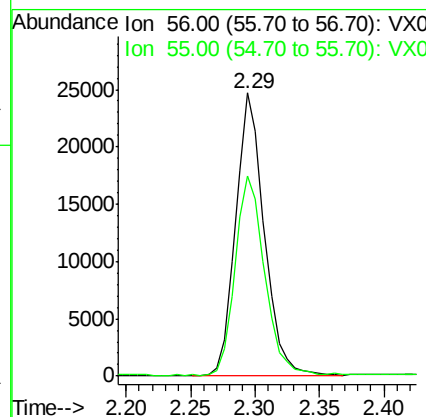
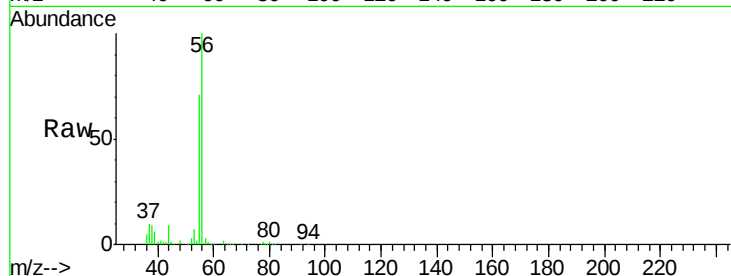
#13
Acrolein
Concen: 117.985 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBS02

Tot Ion	56	55	Ratio	100	73.6	Resp	38432	Lower	Upper

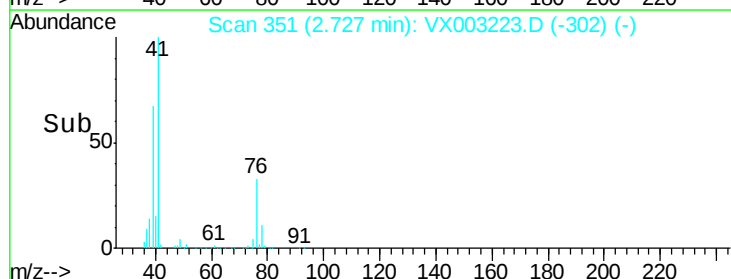
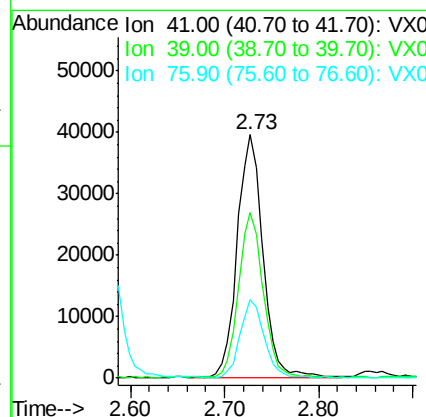
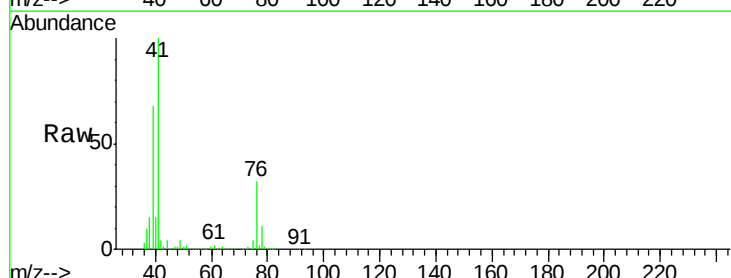
Manual Integrations
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#14
Allyl chloride
Concen: 17.673 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion	41	39	76	Ratio	100	65.2	30.3	Resp	74752	Lower	Upper





#15

Acrylonitrile

Concen: 92.526 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

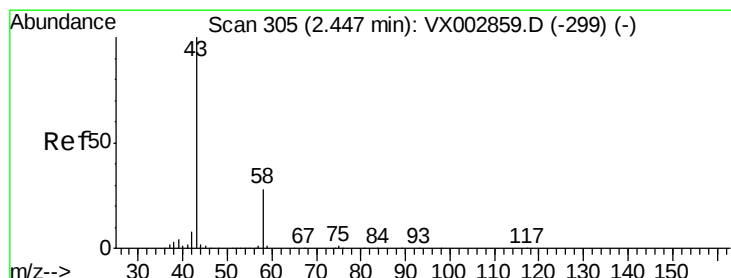
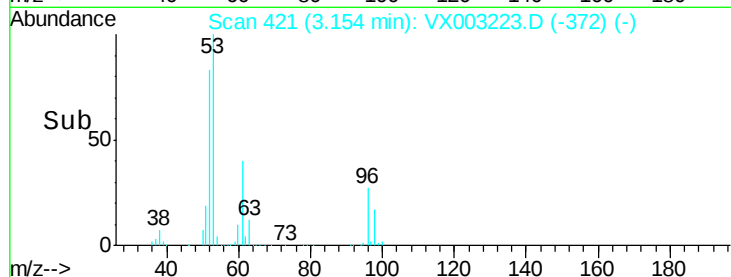
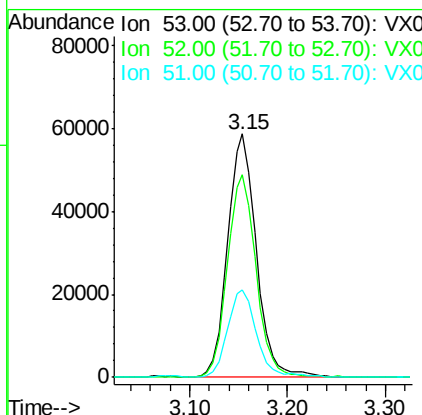
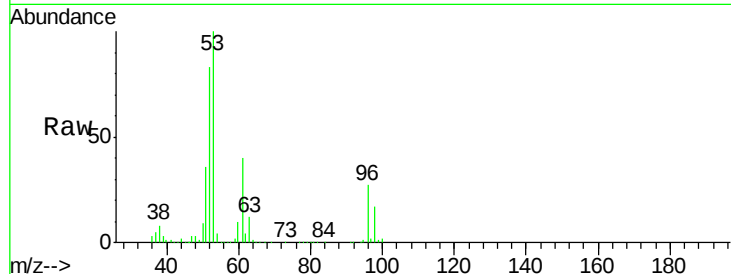
ClientSampleId :

VX0706WBS02

Tot Ion:	53	Resp:	118398
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.7	100.1
51	36.1	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 84.328 ug/l

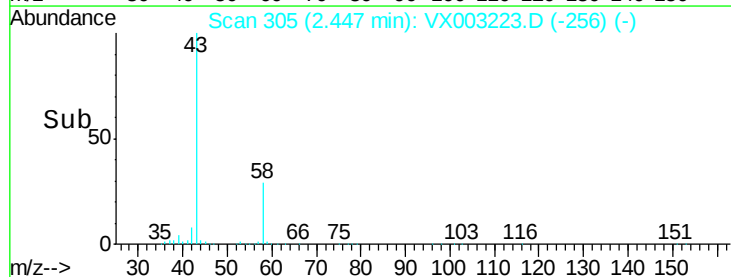
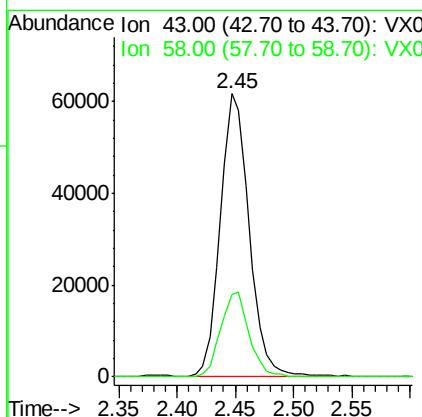
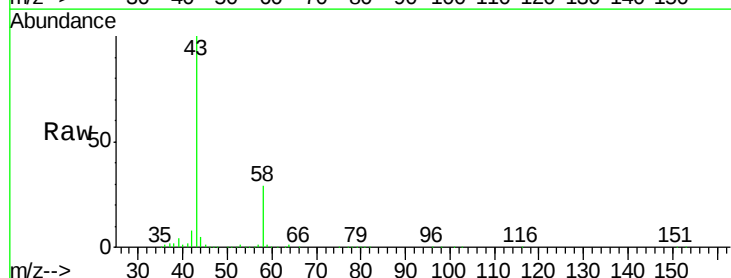
RT: 2.45 min Scan# 305

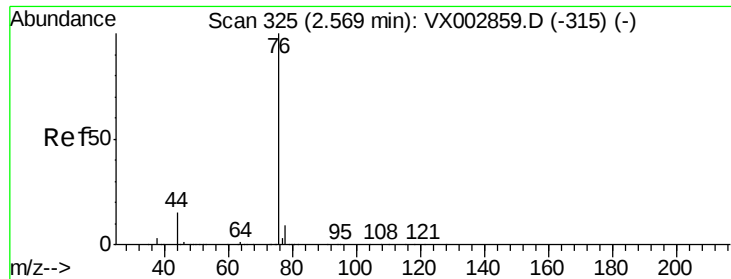
Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Tgt Ion:	43	Resp:	105024
Ion Ratio	Lower	Upper	
43	100		
58	28.9	22.1	33.1





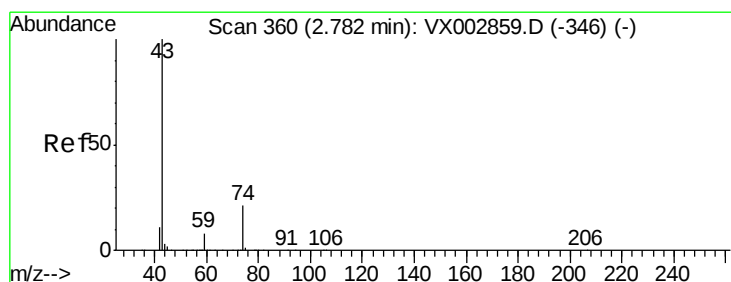
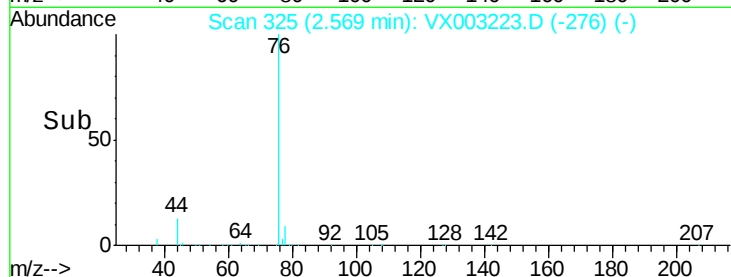
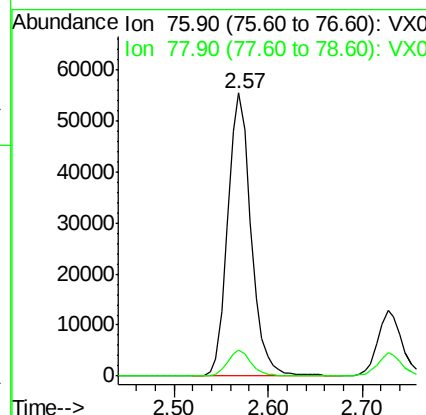
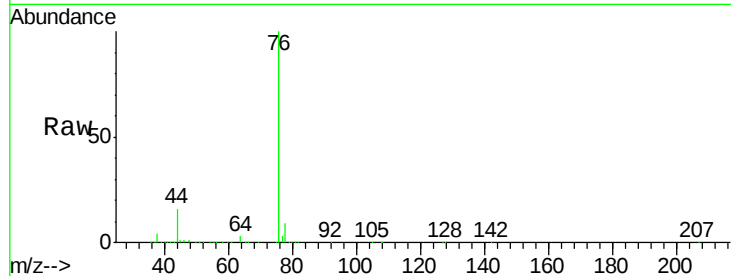
#17
Carbon Disulfide
Concen: 16.723 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.9	10.3

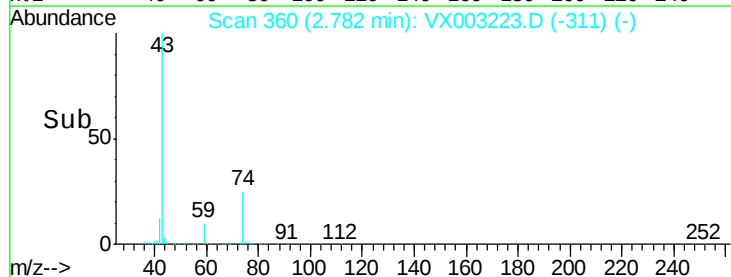
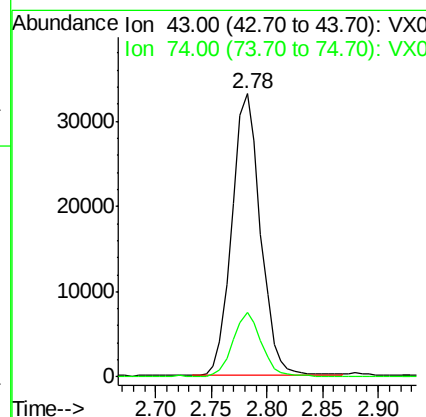
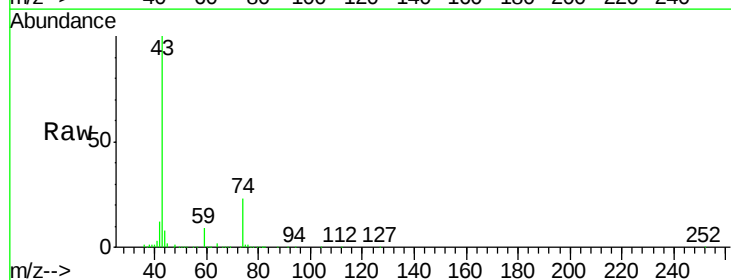
Manual Integrations
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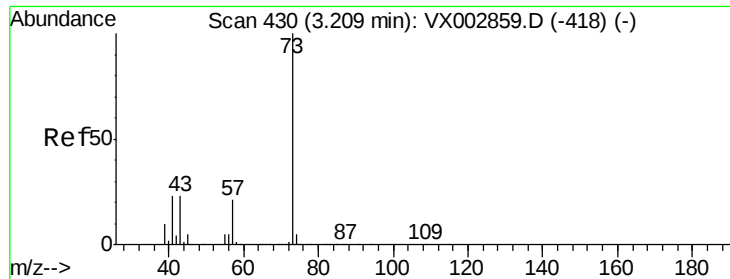
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#18
Methyl Acetate
Concen: 16.932 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	16.7	25.1





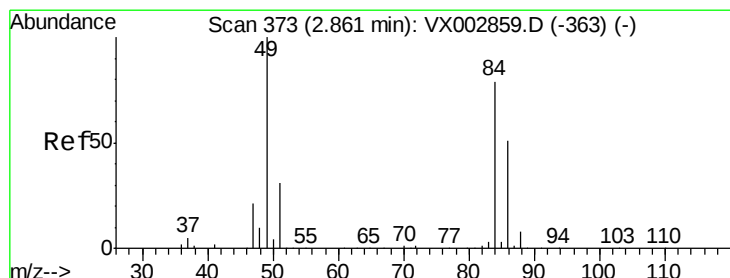
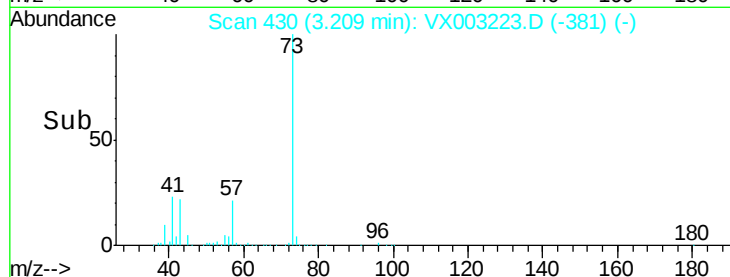
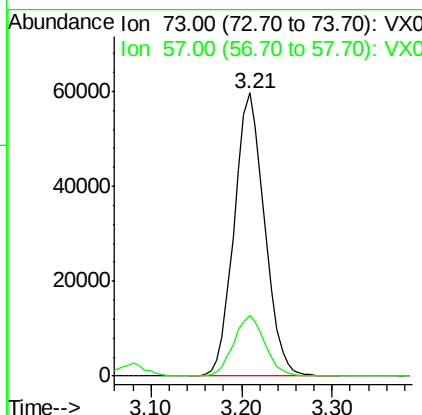
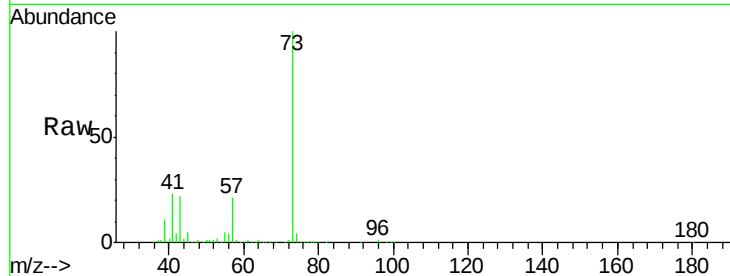
#19
Methyl tert-butyl Ether
Concen: 17.998 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBS02

Tot Ion: 73 Resp: 138844
Ion Ratio Lower Upper
73 100
57 21.4 17.7 26.5

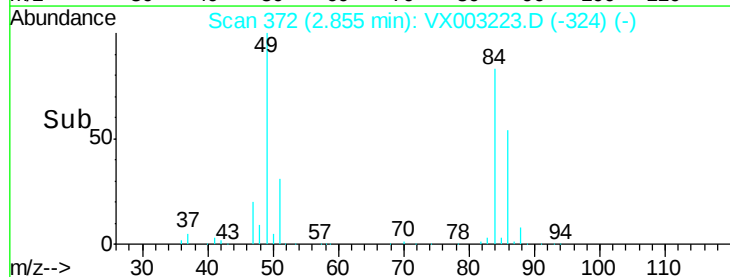
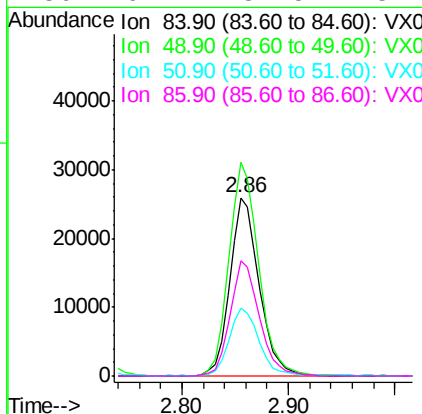
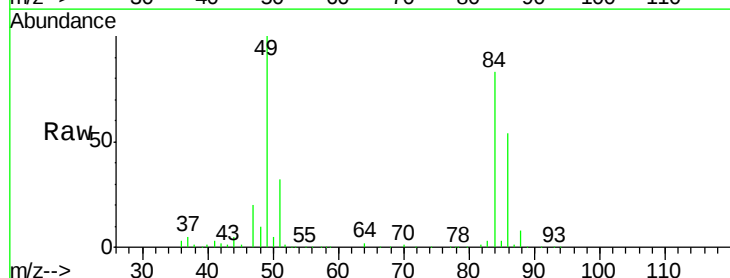
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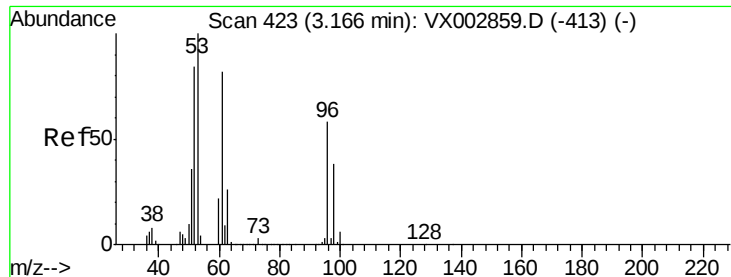
MMDadoda
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#20
Methylene Chloride
Concen: 20.643 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion: 84 Resp: 50029
Ion Ratio Lower Upper
84 100
49 119.6 107.8 161.6
51 37.4 32.8 49.2
86 64.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 18.126 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

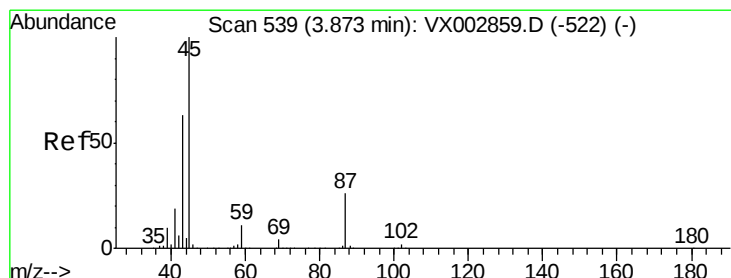
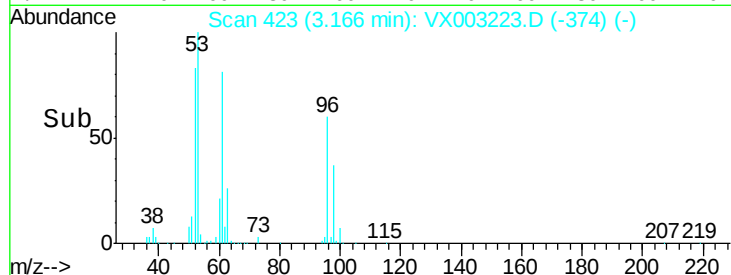
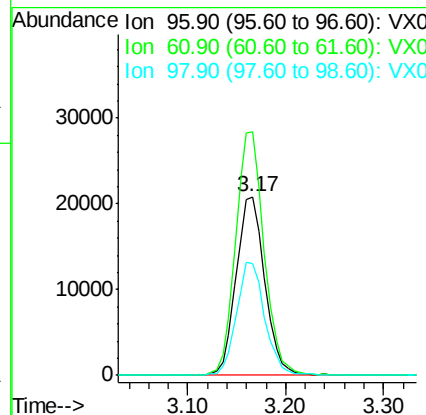
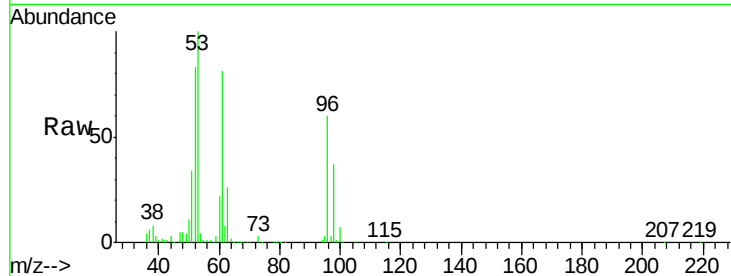
ClientSampleId :

VX0706WBS02

Tot Ion:	96	Resp:	42363
Ion	Ratio	Lower	Upper
96	100		
61	135.9	117.0	175.4
98	62.2	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.090 ug/l

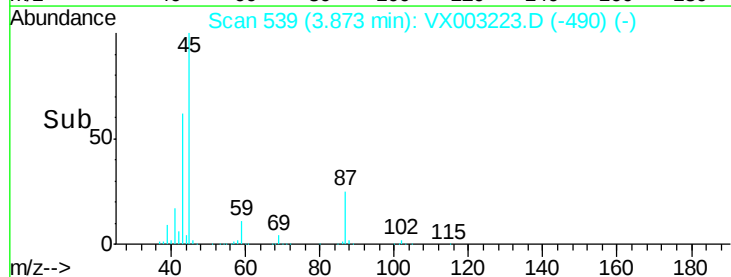
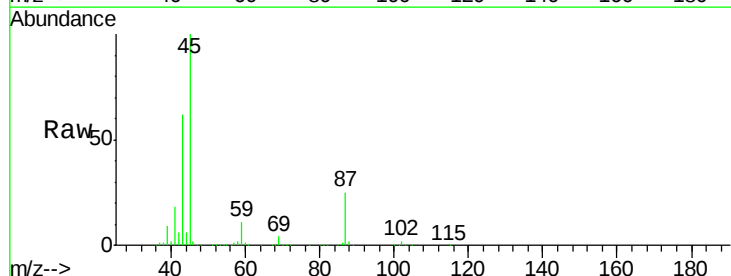
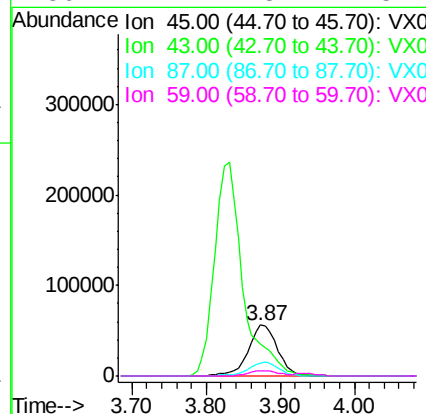
RT: 3.87 min Scan# 539

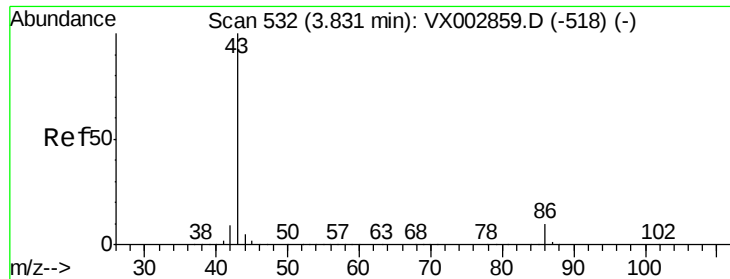
Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Tgt Ion:	45	Resp:	154350
Ion	Ratio	Lower	Upper
45	100		
43	61.8	46.8	70.2
87	25.3	20.2	30.4
59	11.4	8.7	13.1





#23

Vinyl Acetate

Concen: 91.363 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBS02

Tot Ion: 43 Resp: 625511

Ion Ratio Lower Upper

43 100

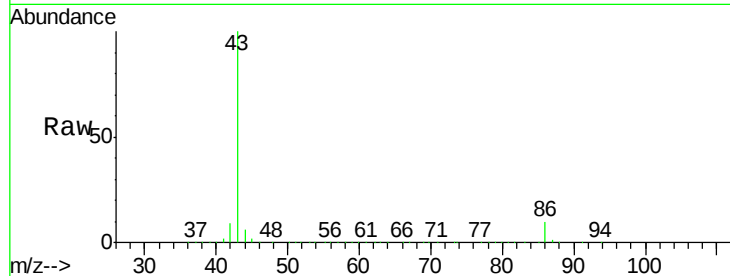
86 10.3 7.4 11.0

Manual Integrations

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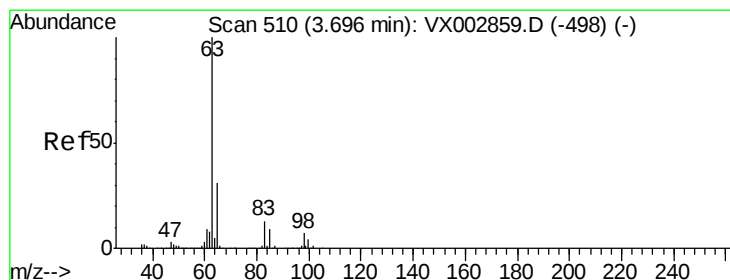
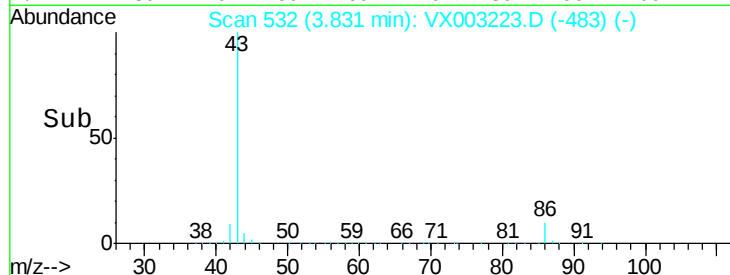
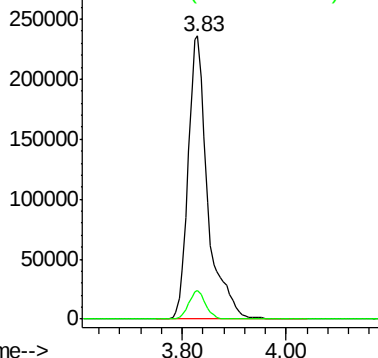
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.230 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

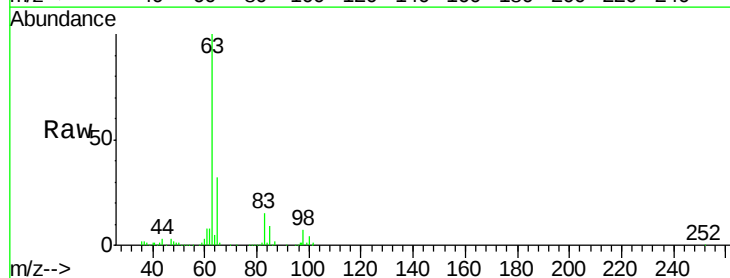
Tgt Ion: 63 Resp: 80112

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

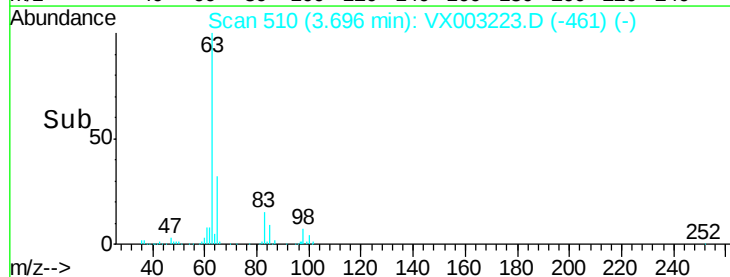
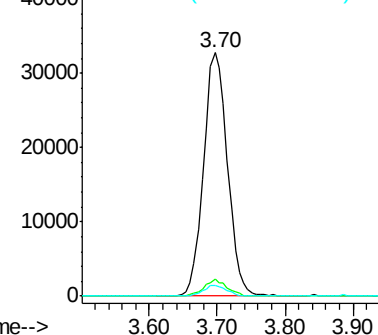
100 4.5 2.0 6.0

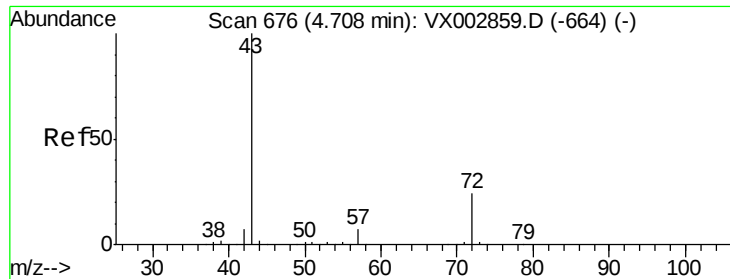


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 96.145 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBS02

Tot Ion: 43 Resp: 177707

Ion Ratio Lower Upper

43 100

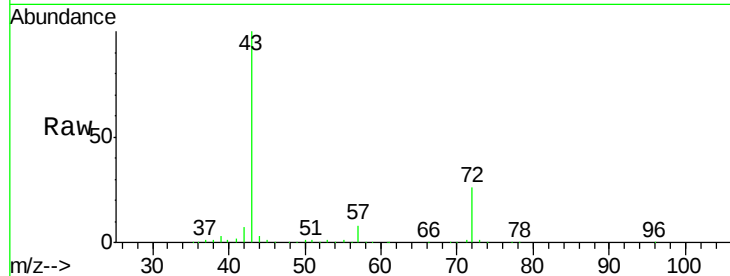
72 25.7 18.5 27.7

Manual Integrations

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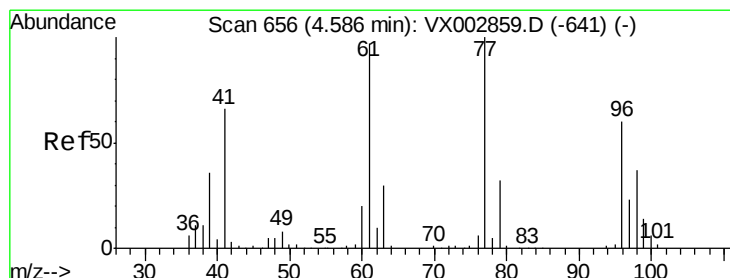
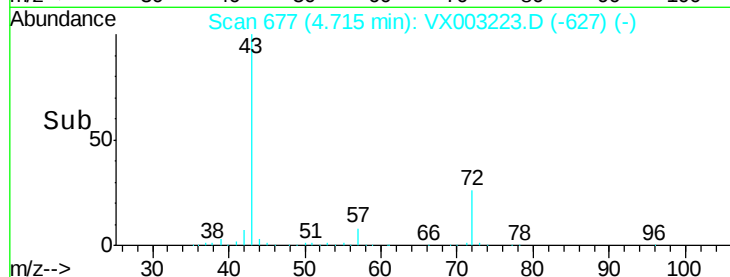
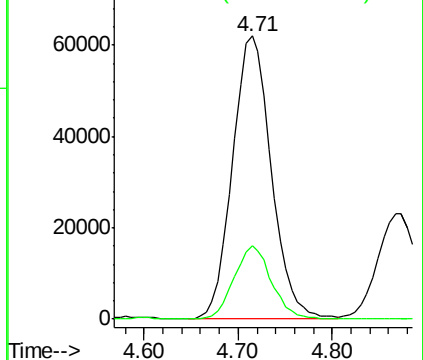
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.813 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003223.D

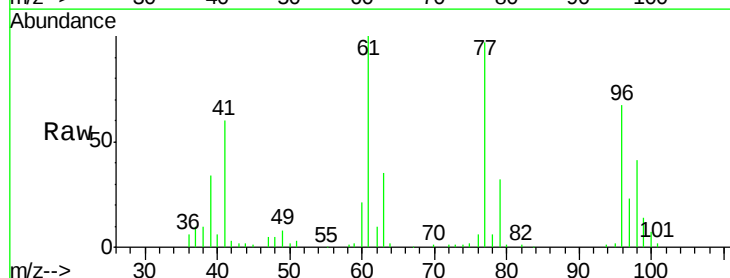
Acq: 06 Jul 2018 20:13

Tgt Ion: 77 Resp: 63654

Ion Ratio Lower Upper

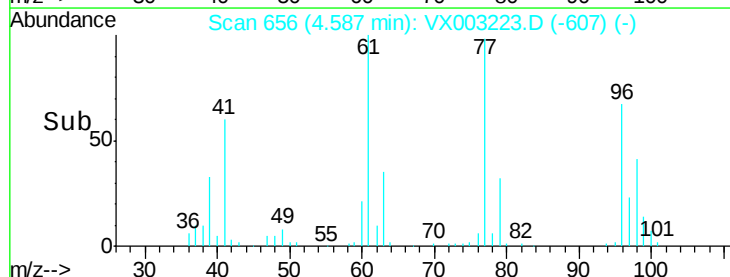
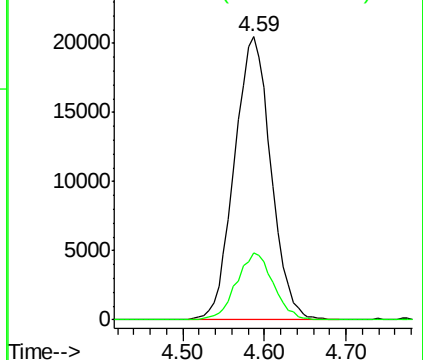
77 100

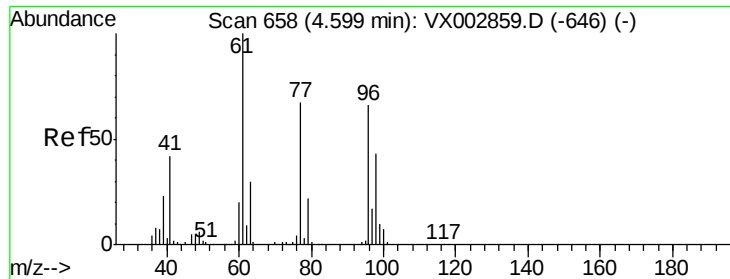
97 23.8 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

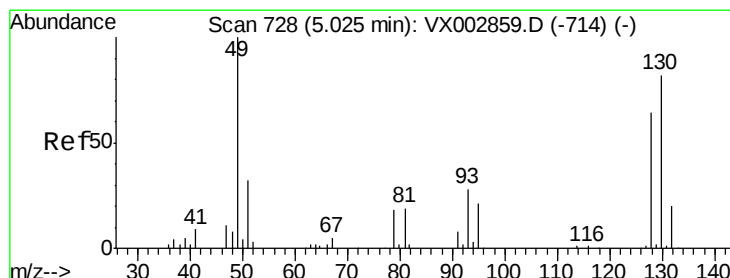
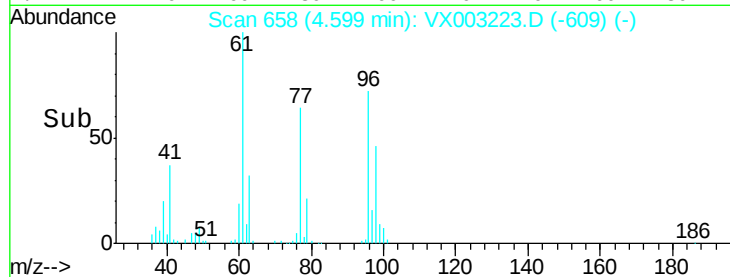
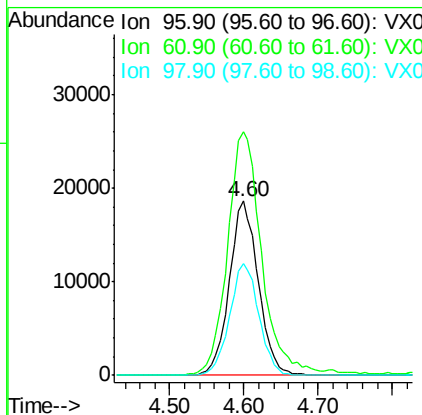
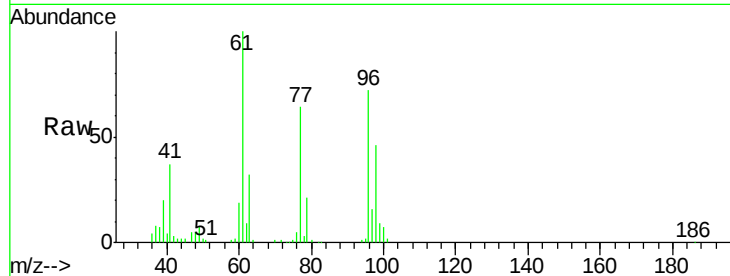
cis-1,2-Dichloroethene
 Concen: 19.382 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.2	0.0	330.2
98	64.8	0.0	130.2

Manual Integrations
 APPROVED

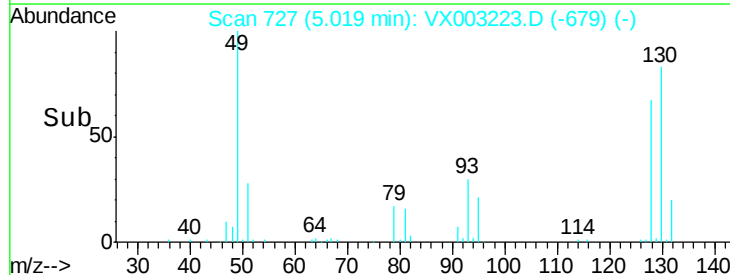
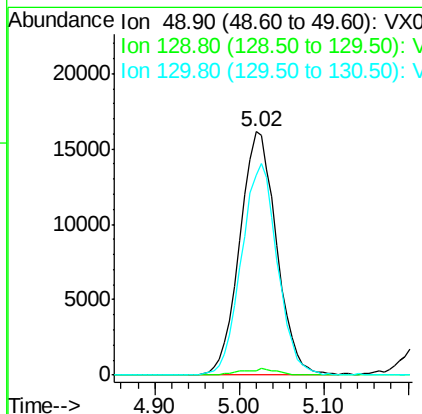
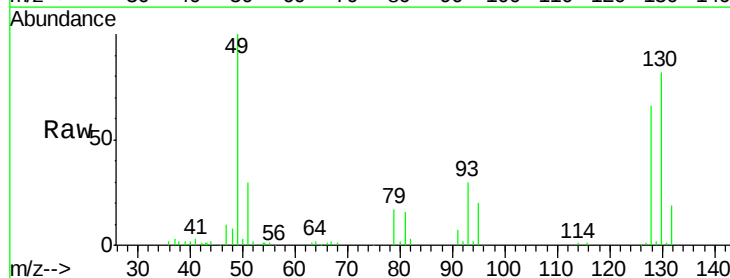
MMDadoda
 7/9/2018 12:56:54 PM

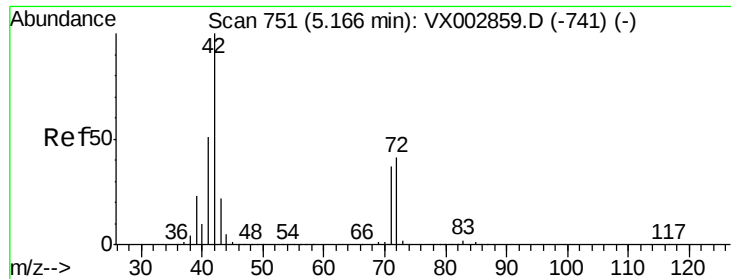


#28

Bromochloromethane
 Concen: 22.711 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.2
130	84.8	61.2	91.8





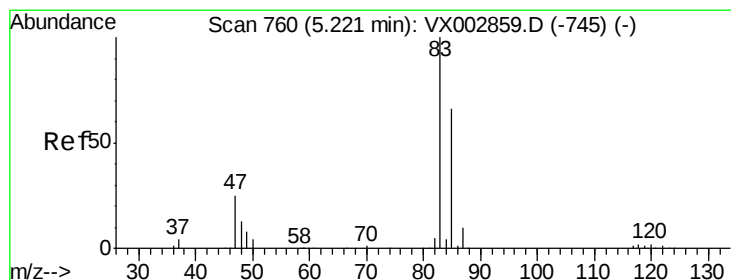
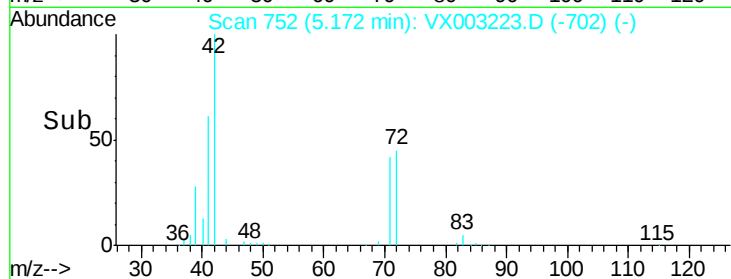
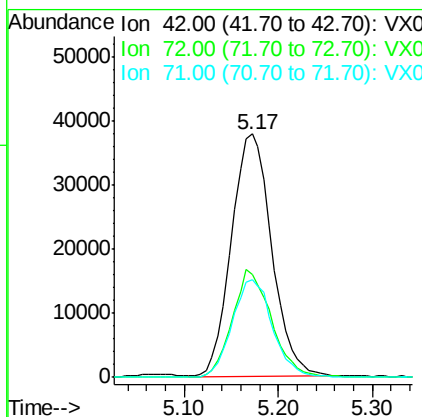
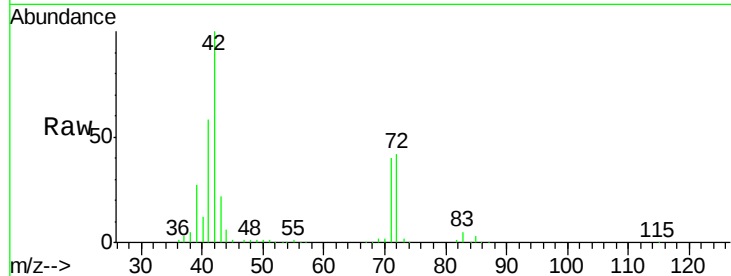
#29
Tetrahydrofuran
Concen: 95.517 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampled :
VX0706WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	32.0	48.0
71	40.3	30.1	45.1

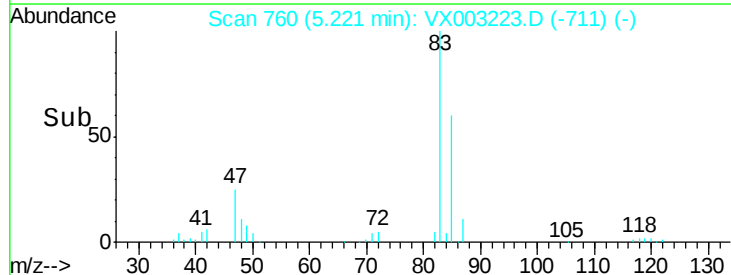
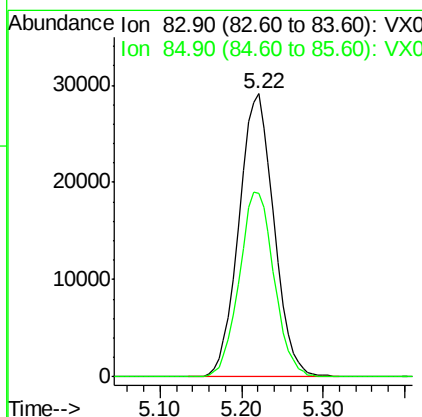
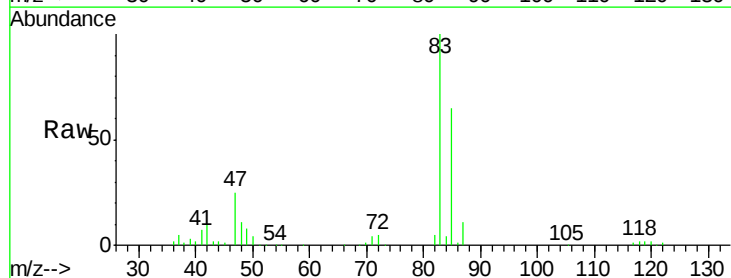
Manual Integrations
APPROVED

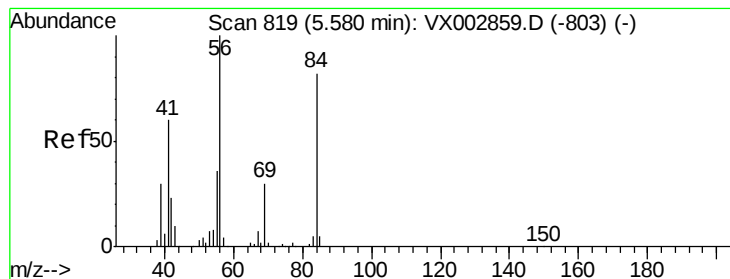
MMDadoda
7/9/2018 12:56:54 PM



#30
Chloroform
Concen: 19.264 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.4	75.6





#31

Cyclohexane

Concen: 18.136 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

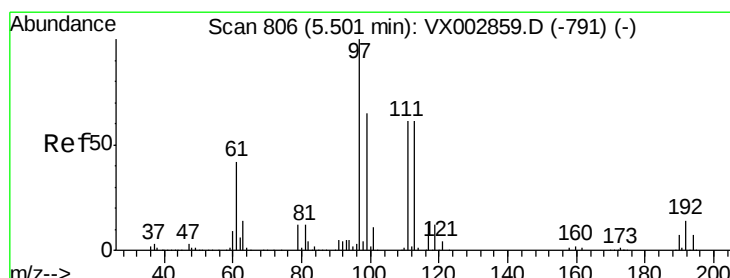
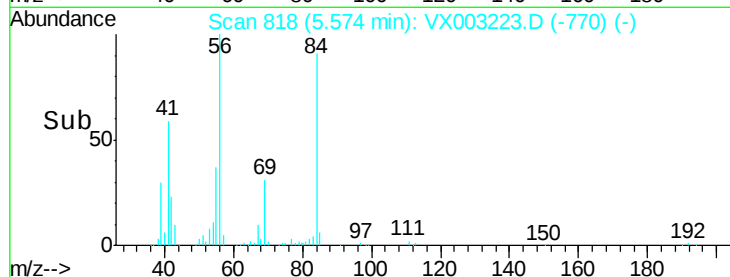
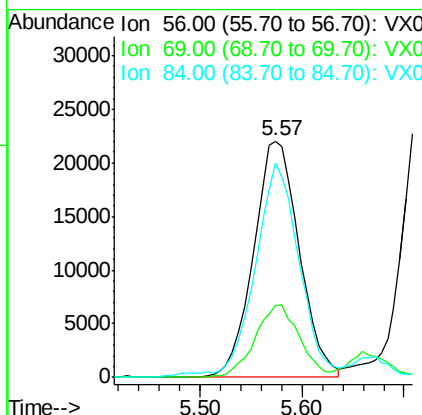
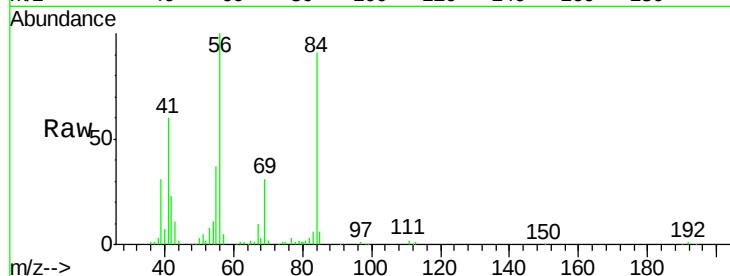
ClientSampleId :

VX0706WBS02

Tot Ion:	56	Resp:	68397
Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.7	35.5
84	88.8	64.1	96.1

Manual Integrations
APPROVED

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7/9/2018 12:56:54 PM



#32

1,1,1-Trichloroethane

Concen: 18.886 ug/l

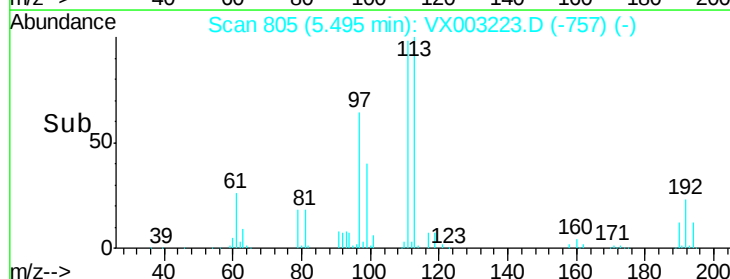
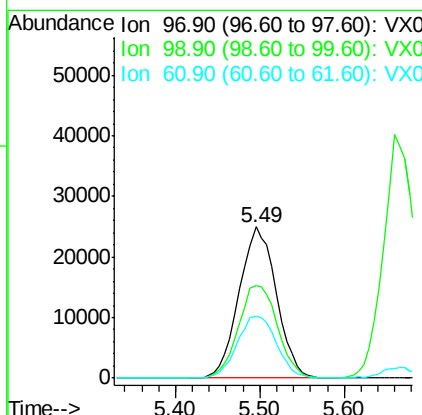
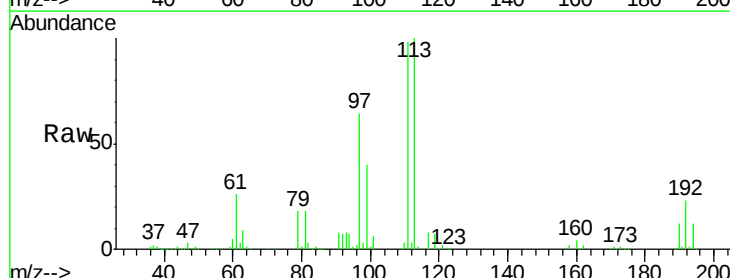
RT: 5.49 min Scan# 805

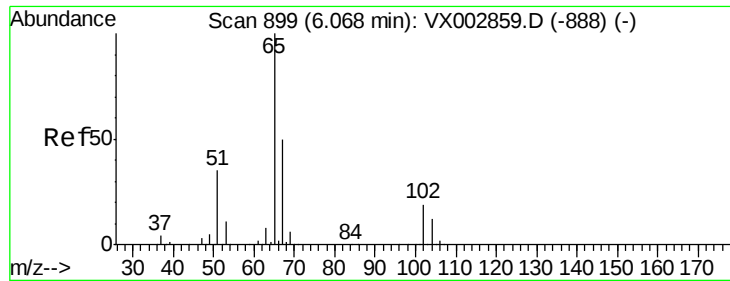
Delta R.T. -0.01 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Tgt Ion:	97	Resp:	74939
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	43.3	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 52.055 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBS02

Tot Ion: 65 Resp: 156546

Ion Ratio Lower Upper

65 100

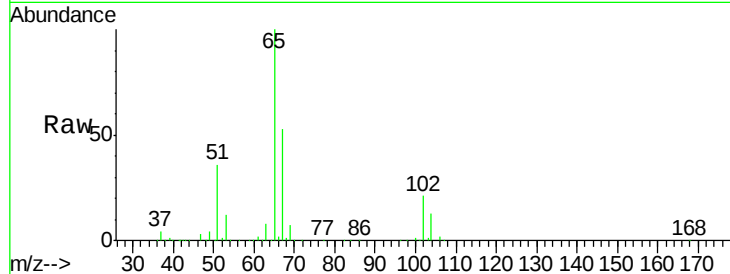
67 51.6 0.0 102.6

Manual Integrations

APPROVED

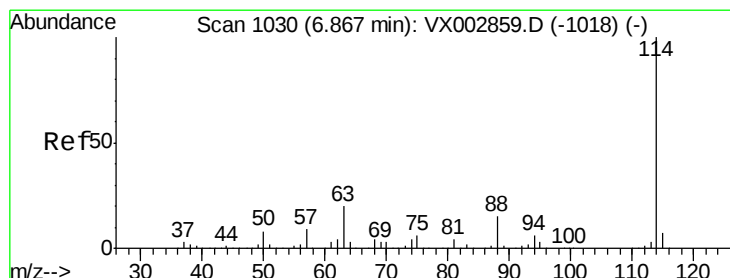
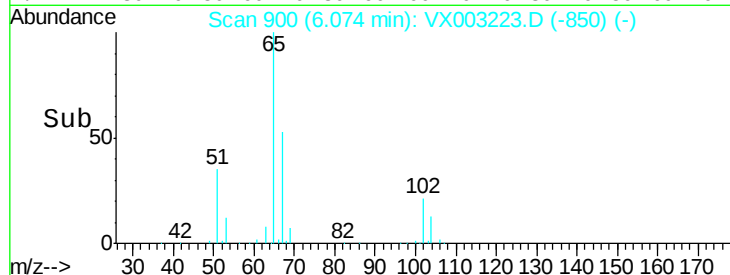
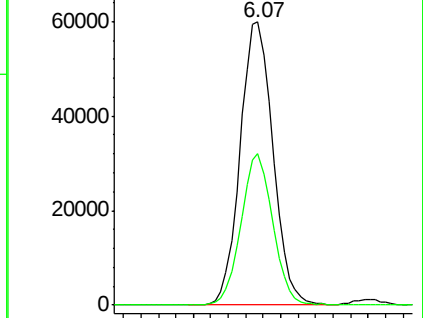
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

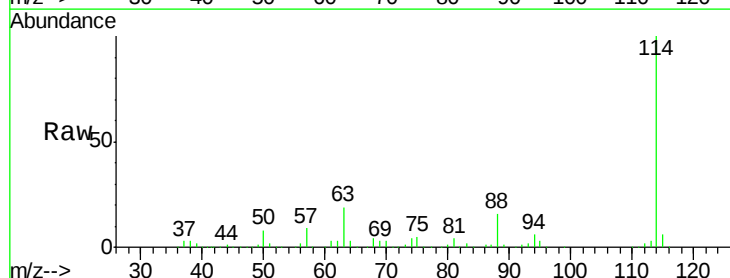
Tgt Ion: 114 Resp: 296614

Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.4

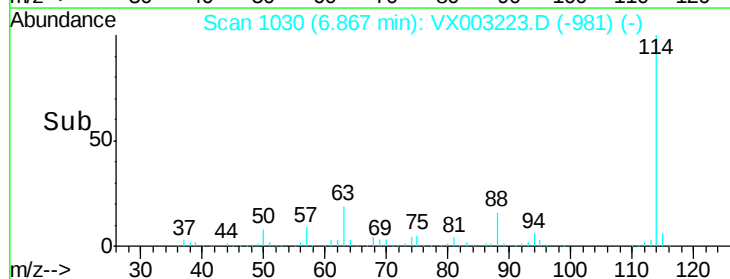
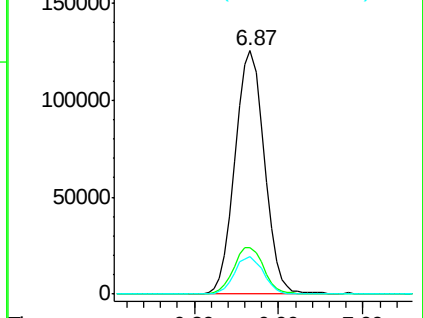
88 15.5 0.0 30.0

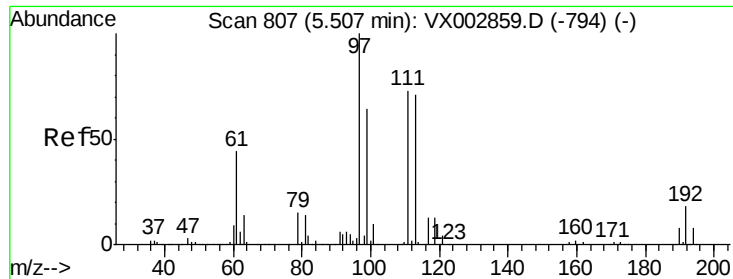


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





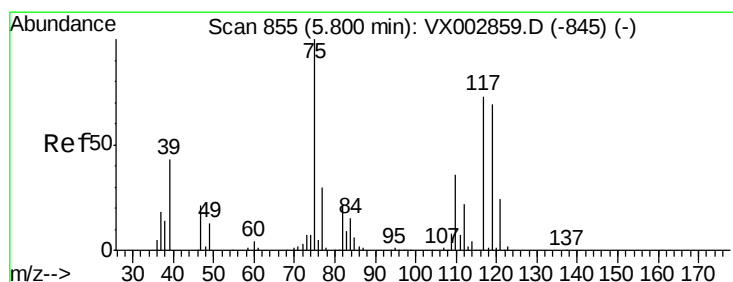
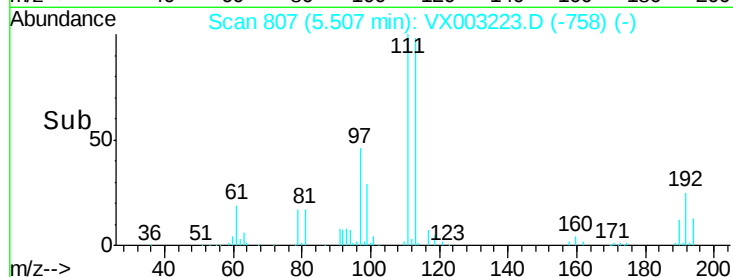
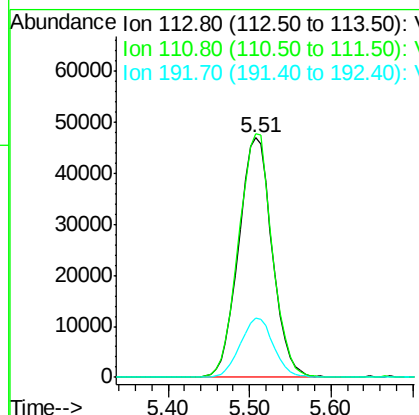
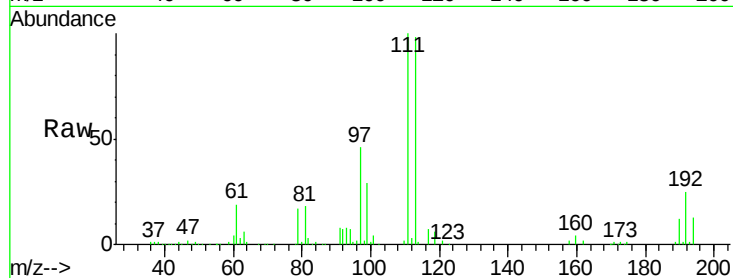
#35
 Dibromofluoromethane
 Concen: 56.976 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	133832		
111	101.9	81.4	122.0	
192	24.6	19.1	28.7	

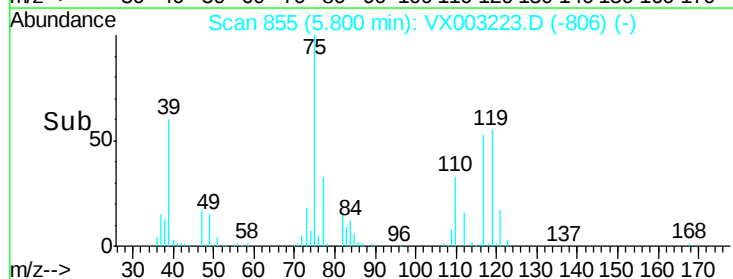
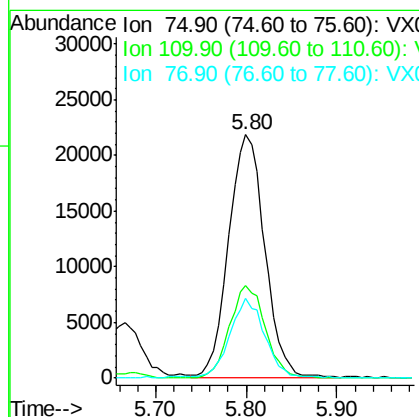
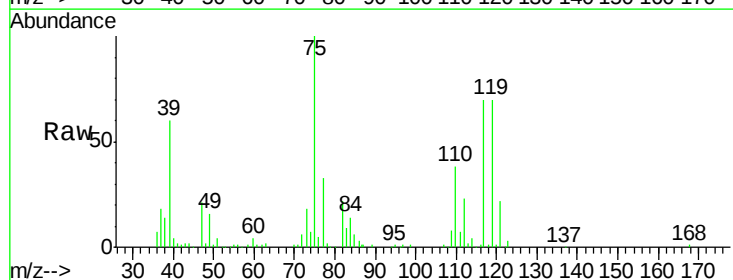
Manual Integrations
 APPROVED

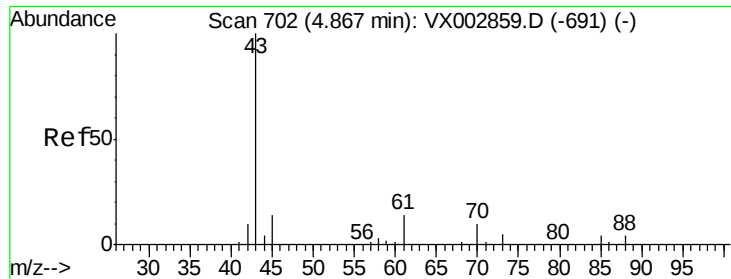
MMDadoda
 7/9/2018 12:56:54 PM



#36
 1,1-Dichloropropene
 Concen: 18.406 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	59870		
110	38.0	18.1	54.4	
77	32.6	24.3	36.5	





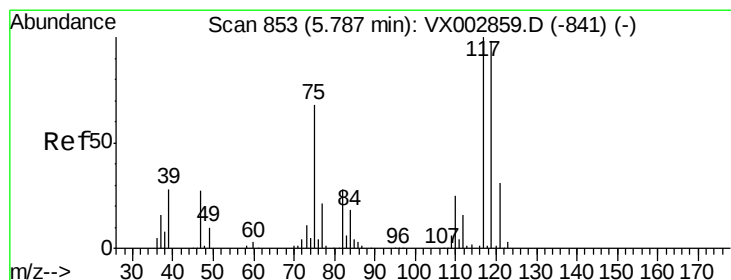
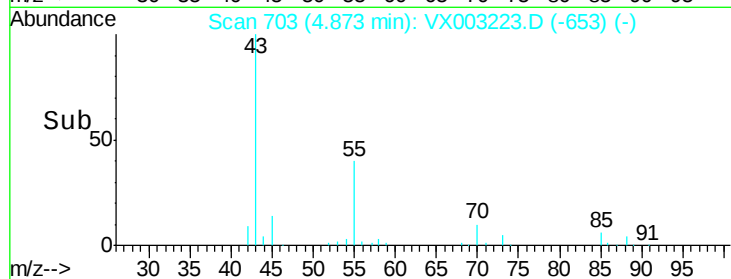
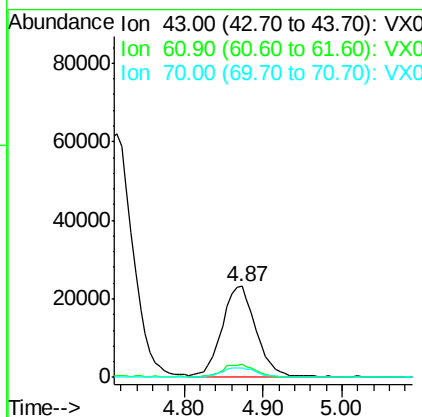
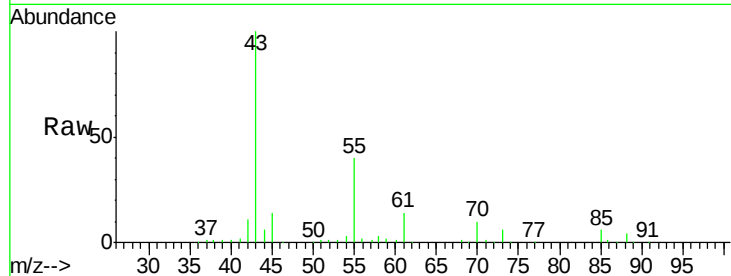
#37
Ethyl Acetate
Concen: 19.604 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampled :
VX0706WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.4	15.6
70	10.9	7.6	11.4

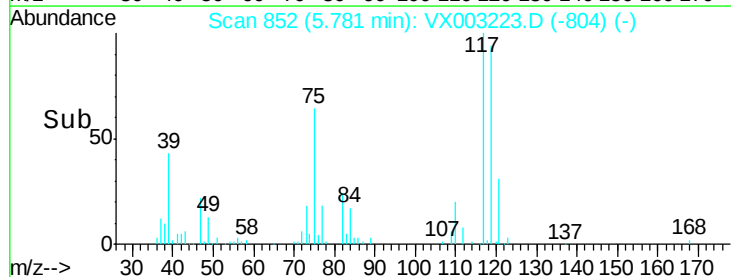
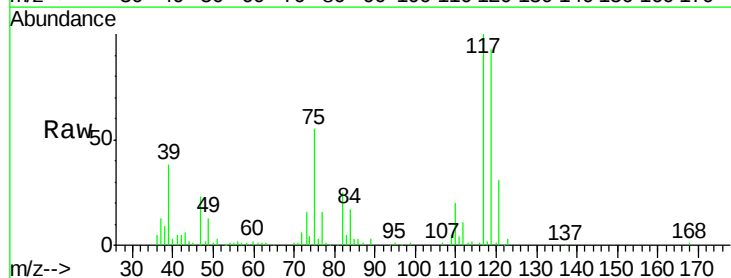
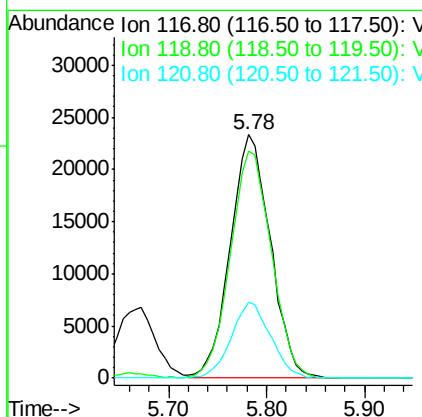
Manual Integrations
APPROVED

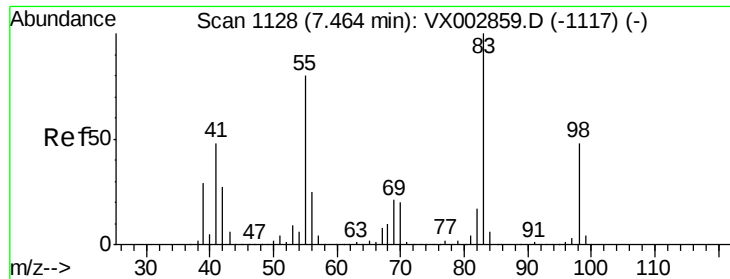
MMDadoda
7/9/2018 12:56:54 PM



#38
Carbon Tetrachloride
Concen: 18.595 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.4	116.0
121	31.3	24.4	36.6





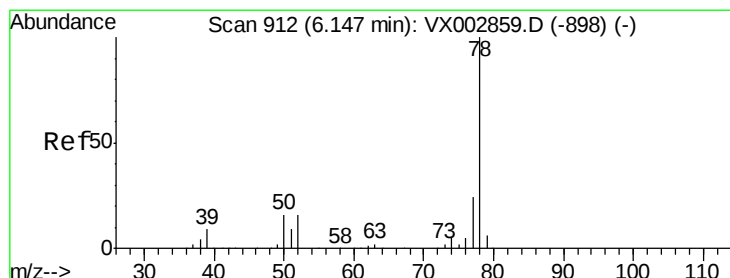
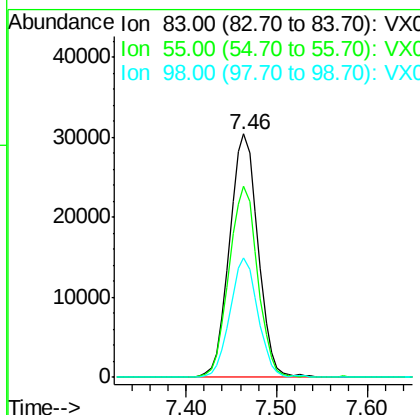
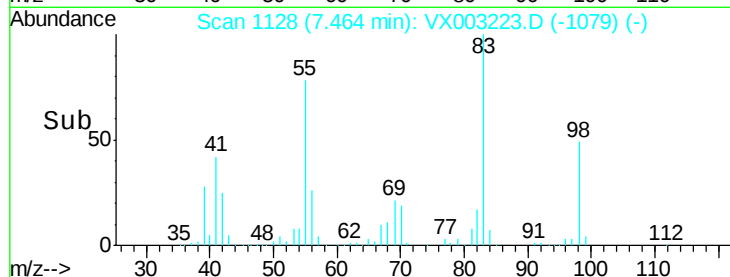
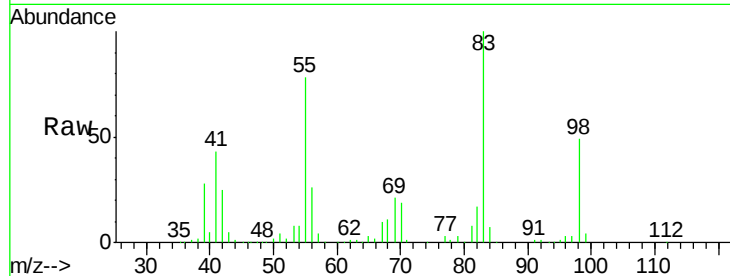
#39
Methvlcvclohexane
Concen: 17.537 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	65.4	98.0
98	48.9	37.4	56.0

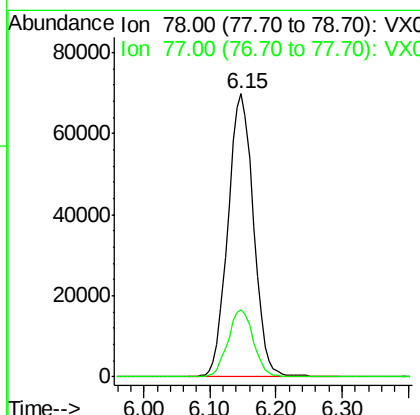
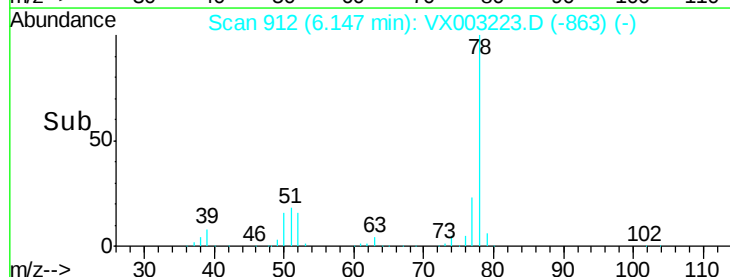
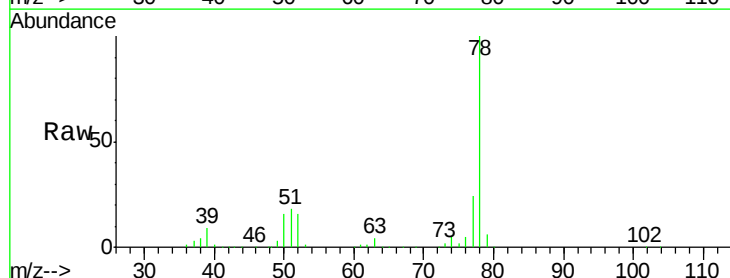
Manual Integrations
APPROVED

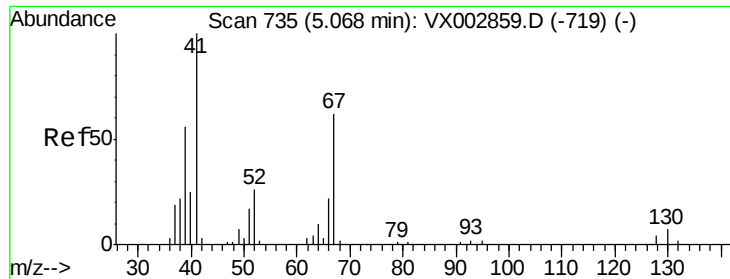
MMDadoda
7/9/2018 12:56:54 PM



#40
Benzene
Concen: 19.787 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





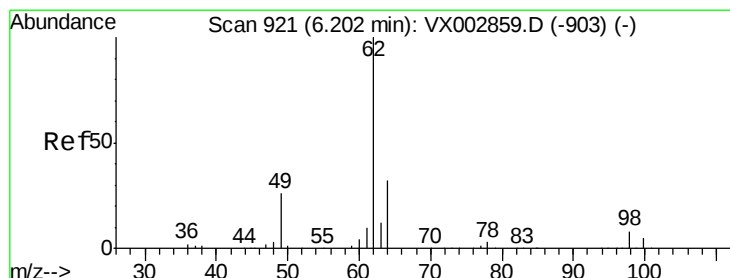
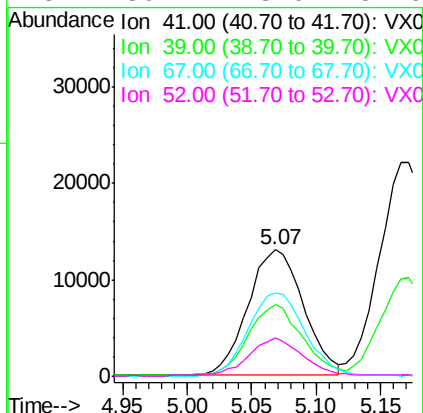
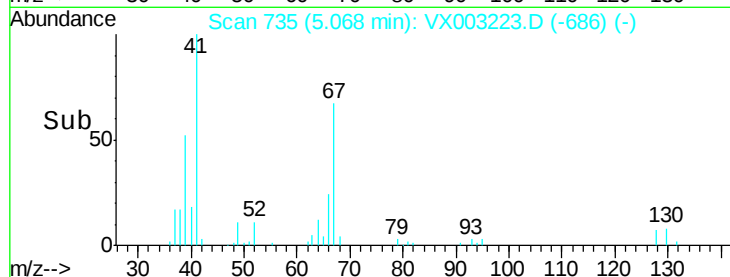
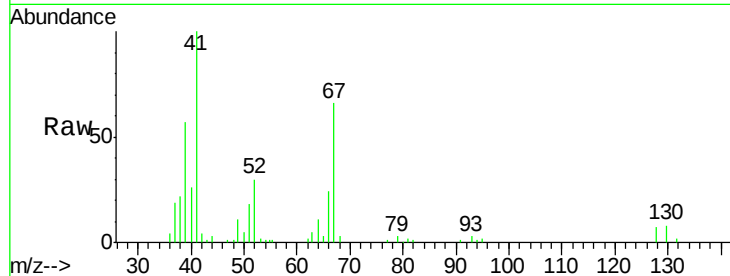
#41
Methacrylonitrile
Concen: 19.350 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.2	45.8	68.6
67	68.5	51.3	76.9
52	30.1	23.0	34.6

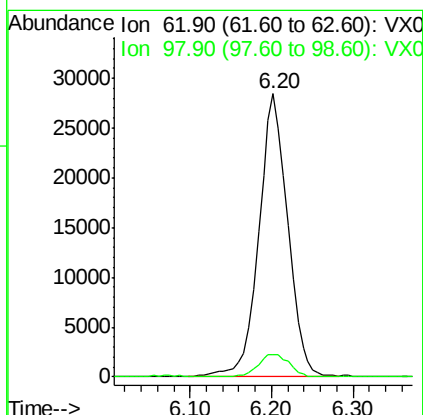
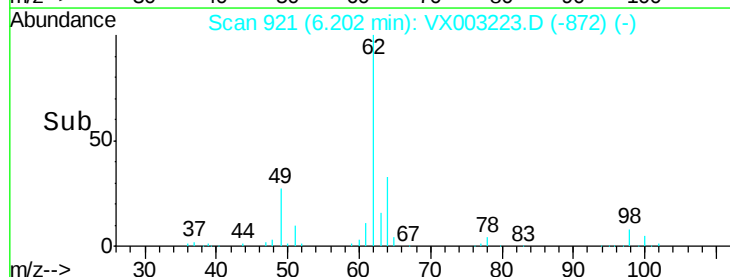
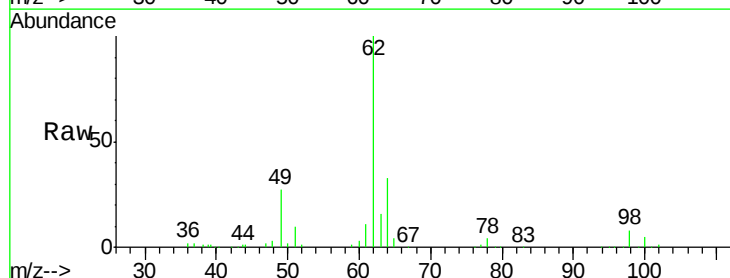
Manual Integrations
APPROVED

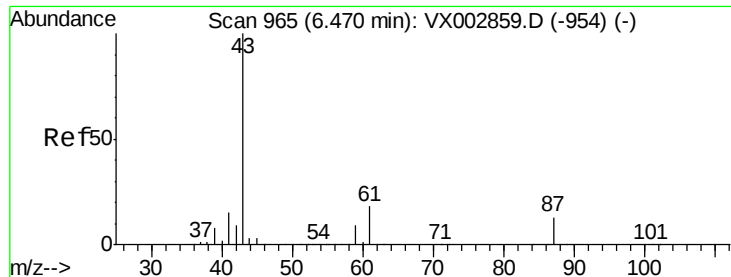
MMDadoda
7/9/2018 12:56:54 PM



#42
1,2-Dichloroethane
Concen: 18.221 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	16.6





#43

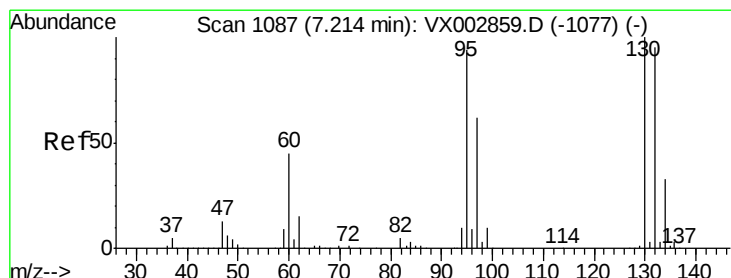
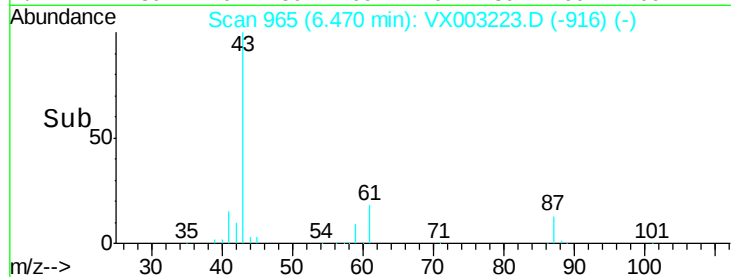
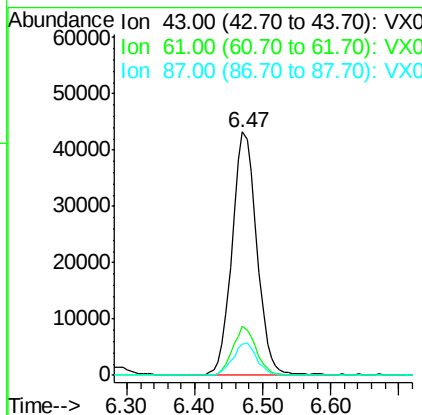
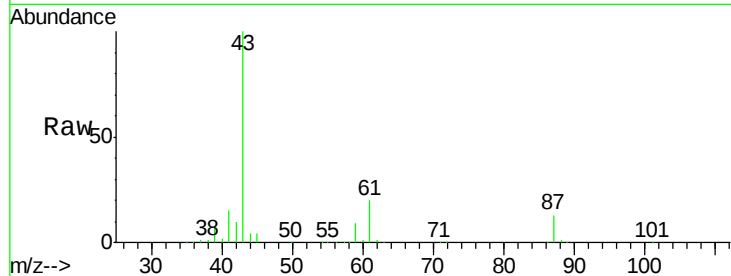
Isopropyl Acetate
 Concen: 18.494 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	14.4	21.6
87	13.0	9.5	14.3

Manual Integrations
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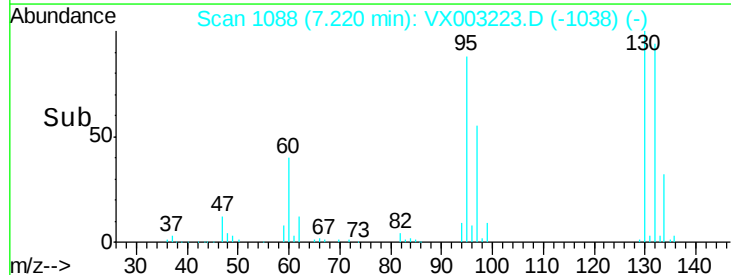
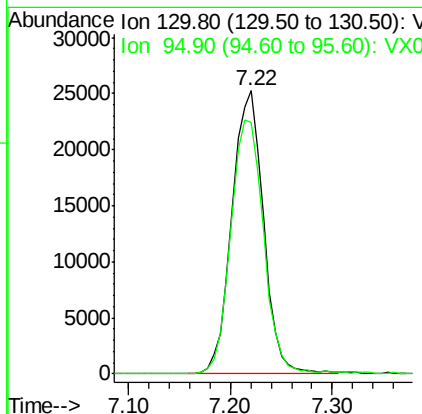
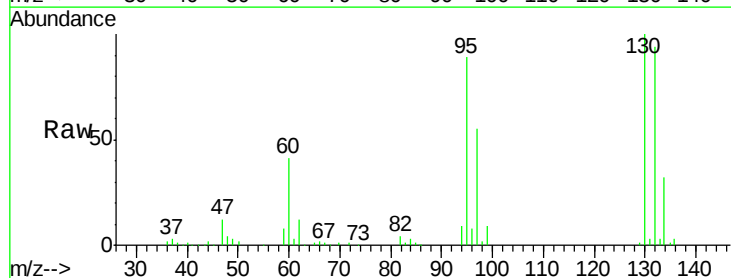
MMDadoda
 7/9/2018 12:56:54 PM

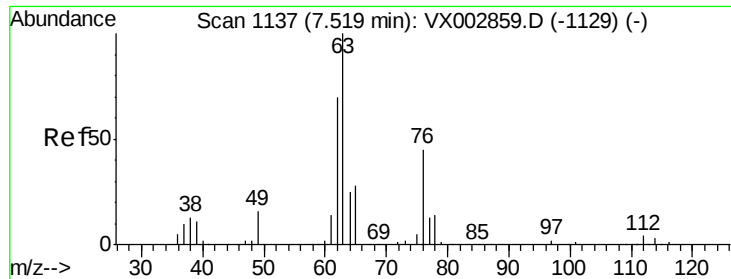


#44

Trichloroethene
 Concen: 19.212 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.7	0.0	185.4





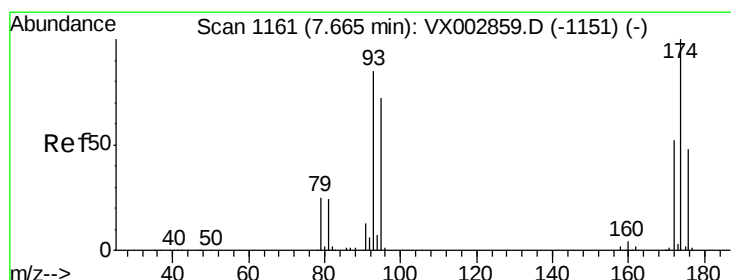
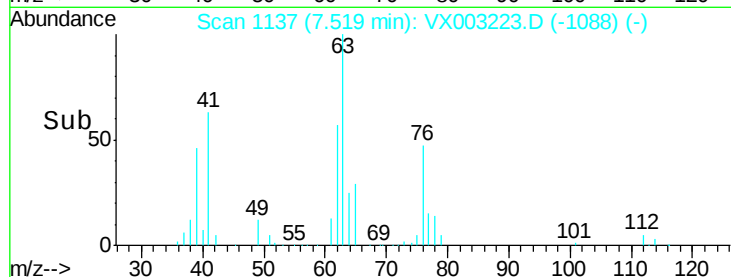
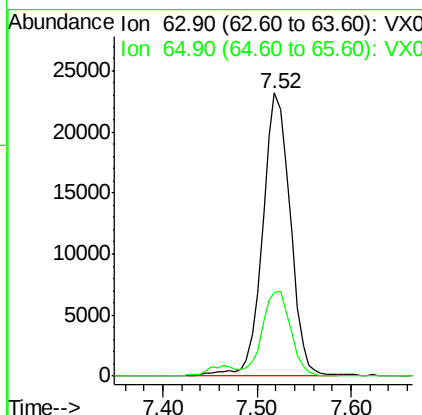
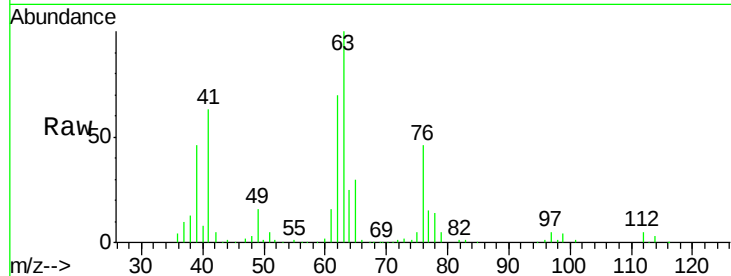
#45
 1,2-Dichloropropane
 Concen: 19.178 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Instrument :
 MSVOA_X
 ClientSampled :
 VX0706WBS02

Tot Ion: 63 Resp: 48080
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.7 37.1

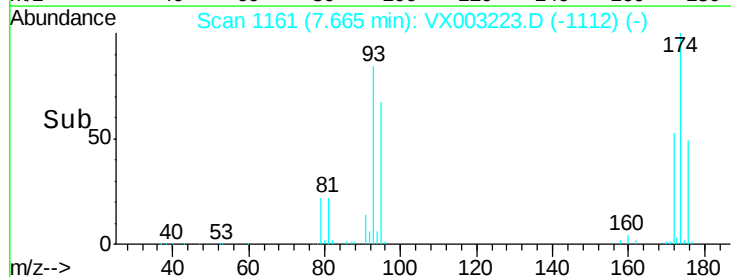
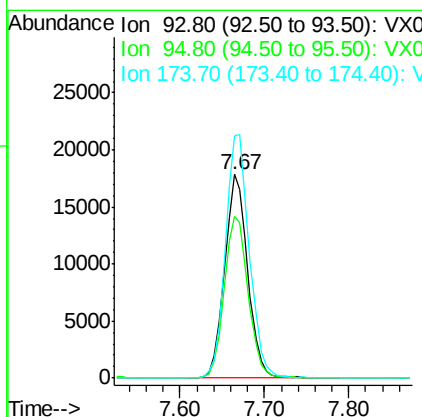
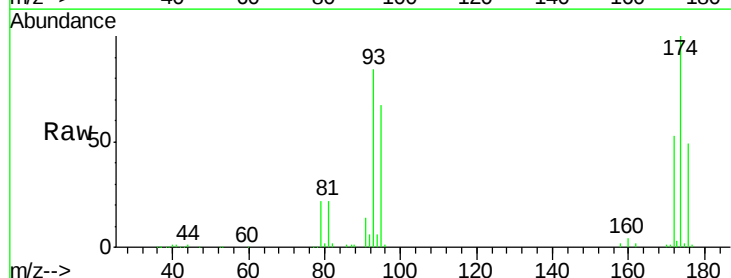
Manual Integrations
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MMDadoda
 7/9/2018 12:56:54 PM



#46
 Dibromomethane
 Concen: 19.244 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Tgt Ion: 93 Resp: 33481
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.9 98.9
 174 123.3 92.4 138.6





#47

Bromodichloromethane

Concen: 19.050 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

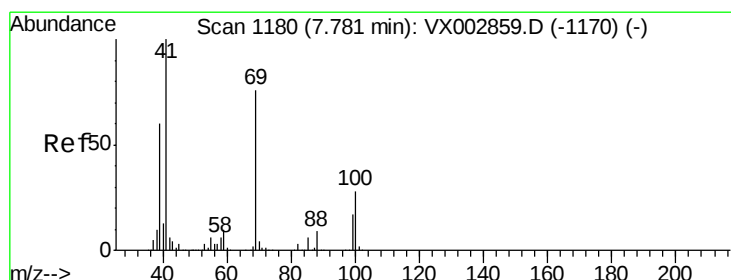
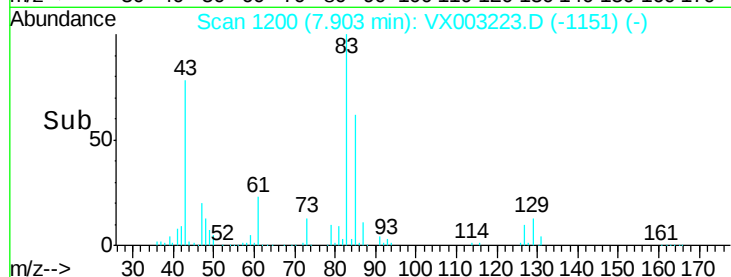
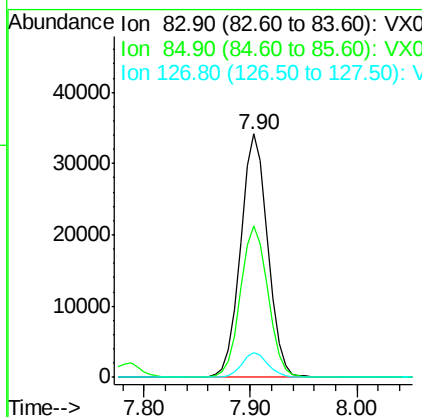
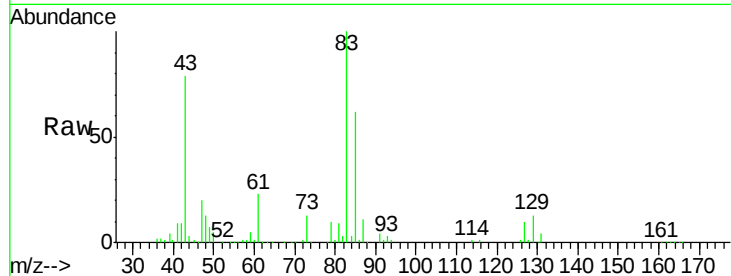
ClientSampled :

VX0706WBS02

Tot Ion:	83	Resp:	61273
Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.3	75.5
127	9.9	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.983 ug/l

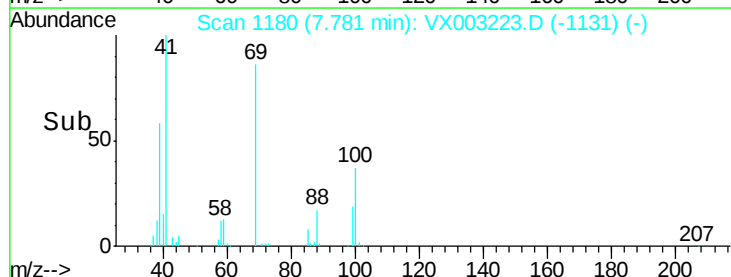
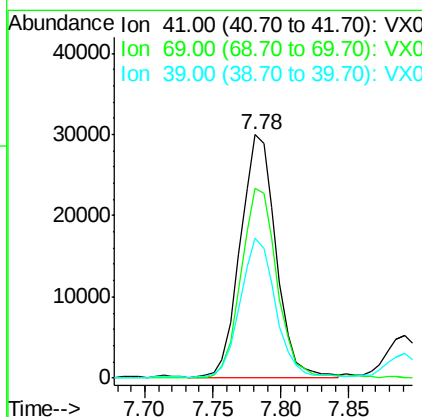
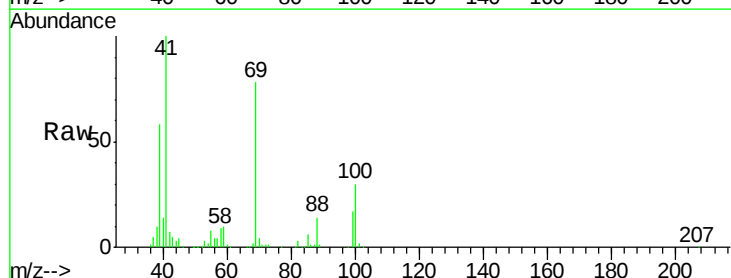
RT: 7.78 min Scan# 1180

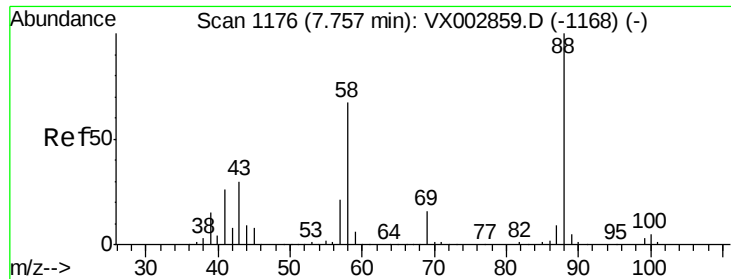
Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Tgt Ion:	41	Resp:	54425
Ion	Ratio	Lower	Upper
41	100		
69	79.7	59.1	88.7
39	57.3	48.9	73.3





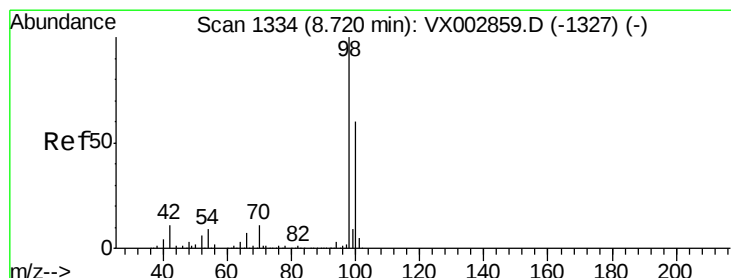
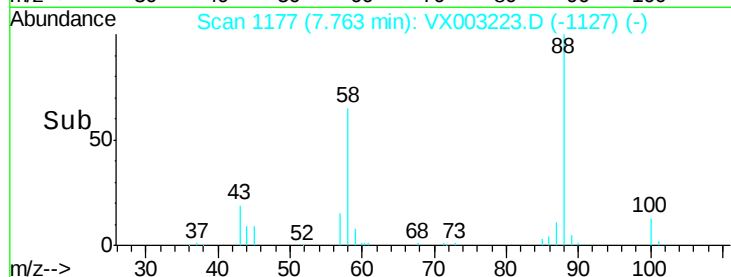
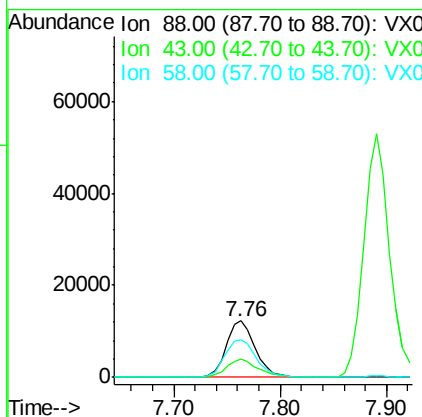
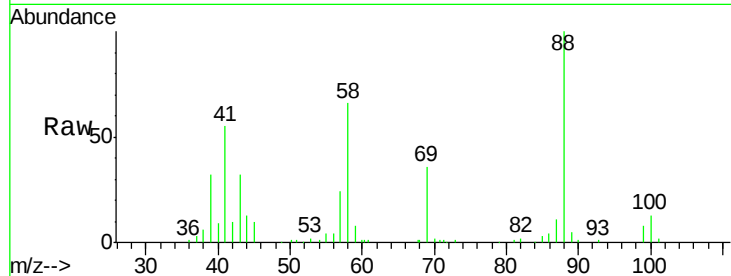
#49
1,4-Dioxane
Concen: 401.633 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.4	29.8	44.6
58	69.9	57.1	85.7

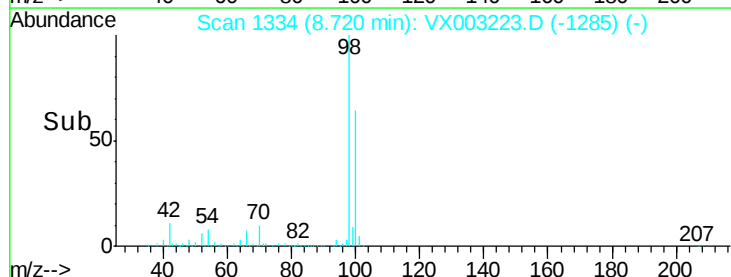
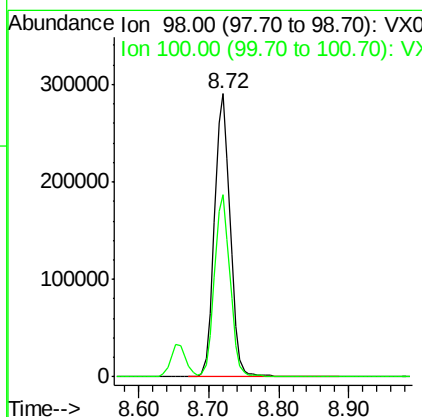
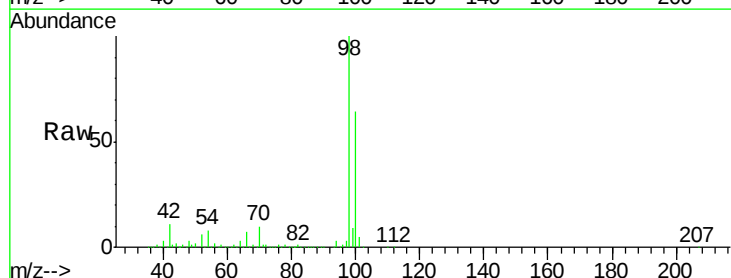
Manual Integrations
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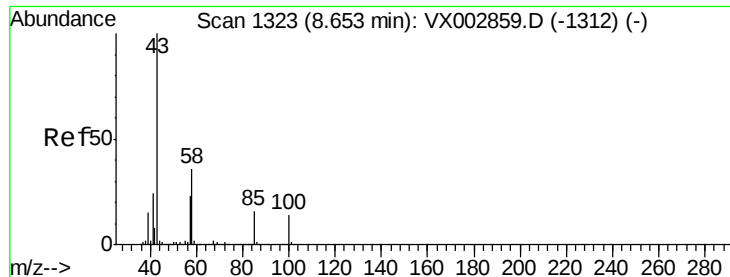
MMDadoda
7/9/2018 12:56:54 PM



#50
Toluene-d8
Concen: 52.650 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 96.570 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampled :

VX0706WBS02

Tot Ion: 43 Resp: 354890

Ion Ratio Lower Upper

43 100

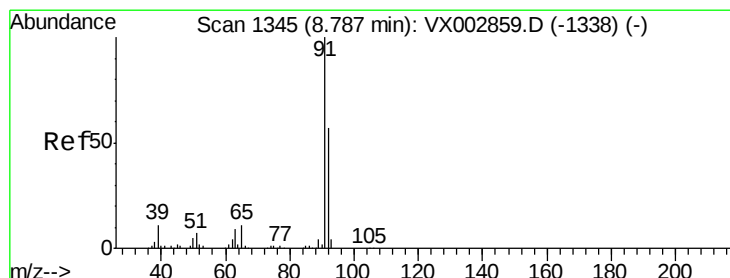
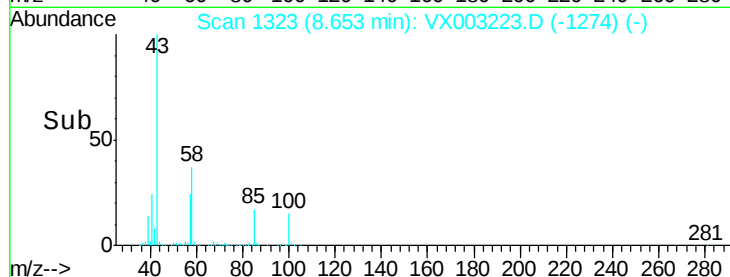
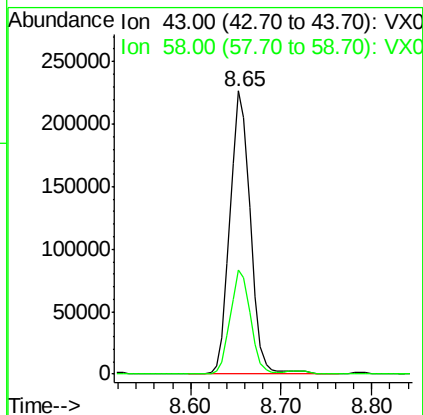
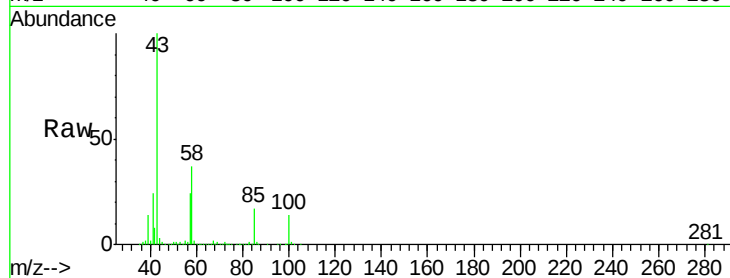
58 36.4 28.6 42.8

Manual Integrations

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7/9/2018 12:56:54 PM



#52

Toluene

Concen: 19.499 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003223.D

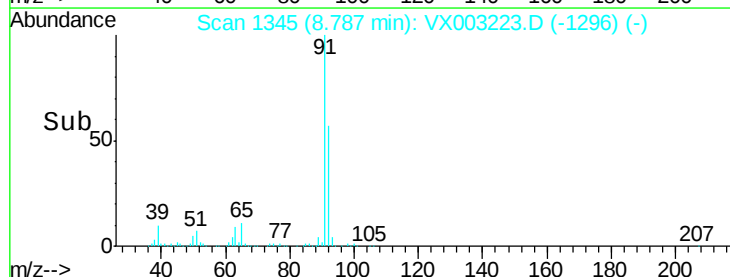
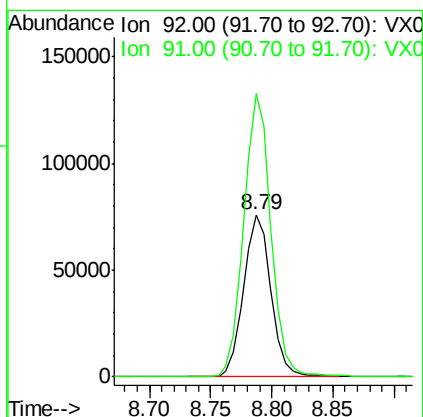
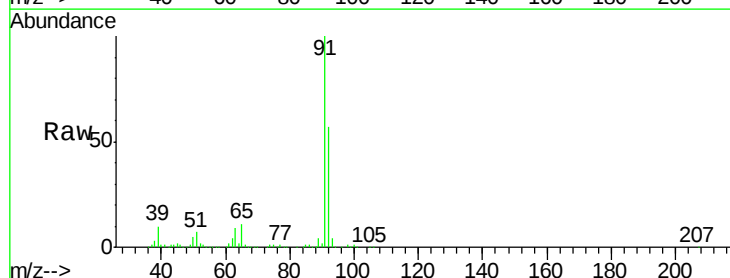
Acq: 06 Jul 2018 20:13

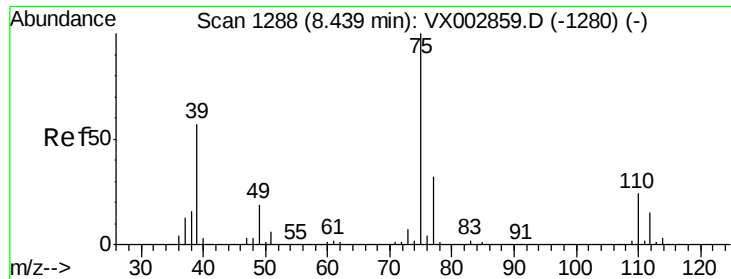
Tgt Ion: 92 Resp: 118058

Ion Ratio Lower Upper

92 100

91 174.0 140.4 210.6





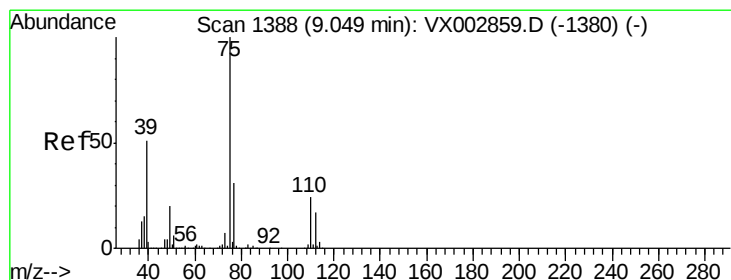
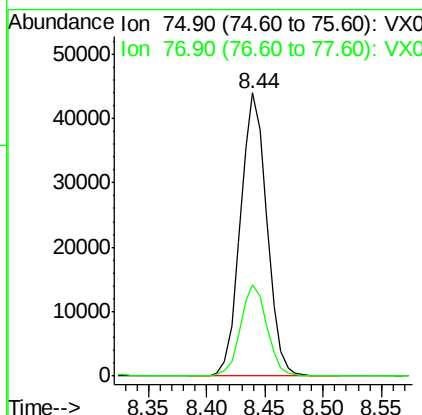
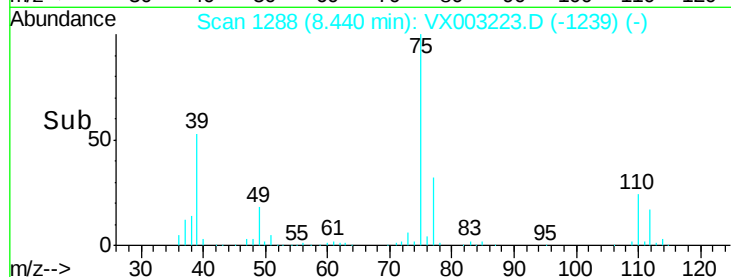
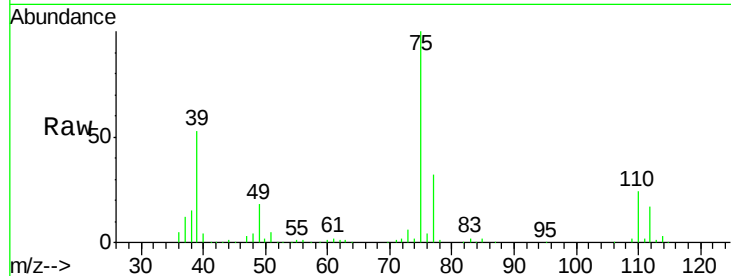
#53
t-1,3-Dichloropropene
Concen: 19.189 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBS02

Tot Ion: 75 Resp: 69898
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2

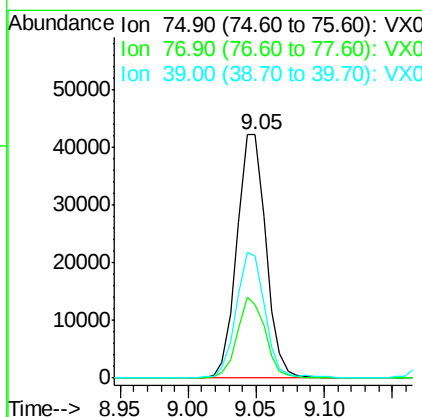
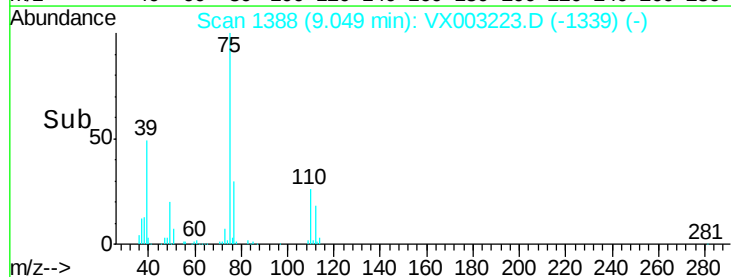
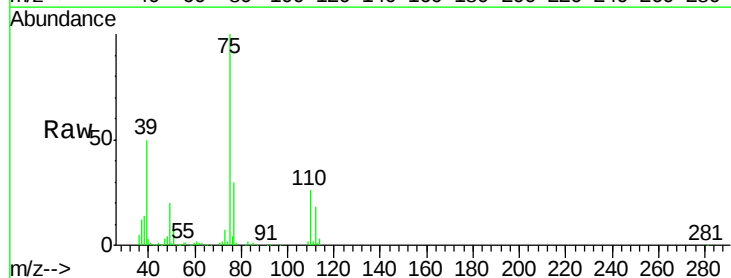
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#54
cis-1,3-Dichloropropene
Concen: 17.956 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion: 75 Resp: 62936
Ion Ratio Lower Upper
75 100
77 30.1 24.8 37.2
39 49.7 42.4 63.6





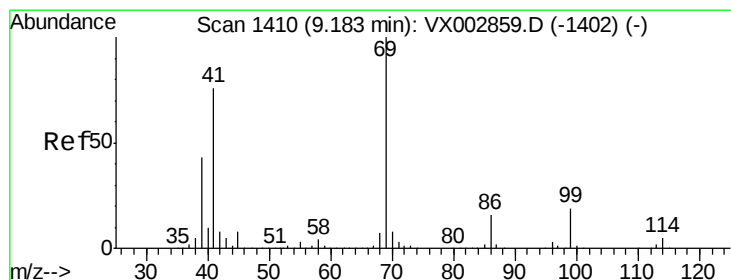
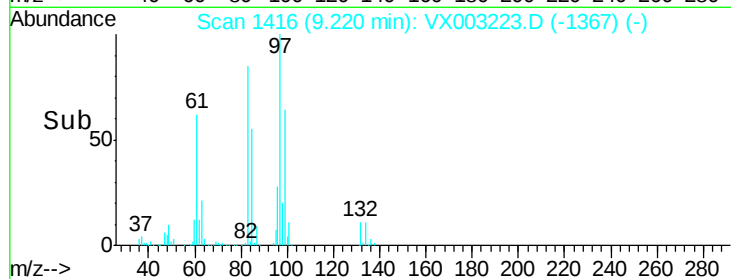
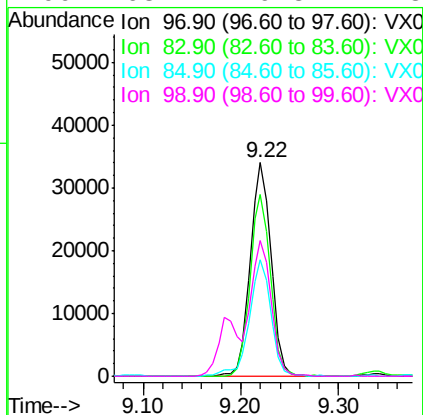
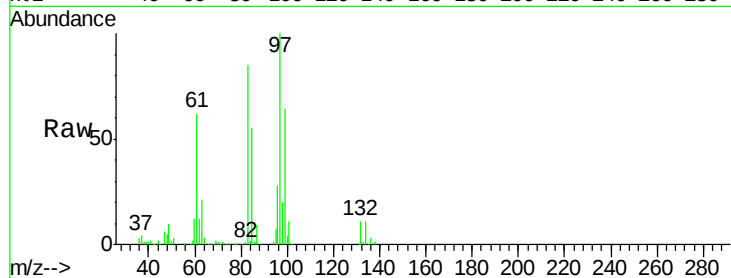
#55
 1,1,2-Trichloroethane
 Concen: 20.234 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBS02

Tot Ion:	97	Resp:	50341
Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.2	105.2
85	54.7	44.9	67.3
99	63.7	49.8	74.8

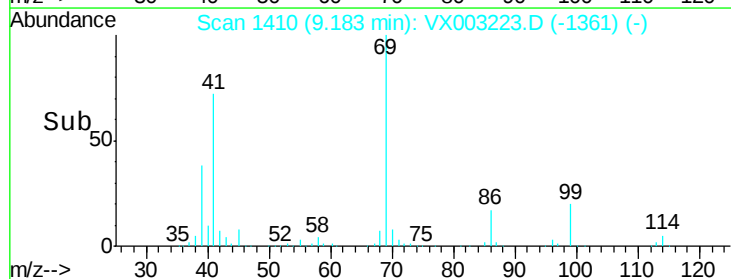
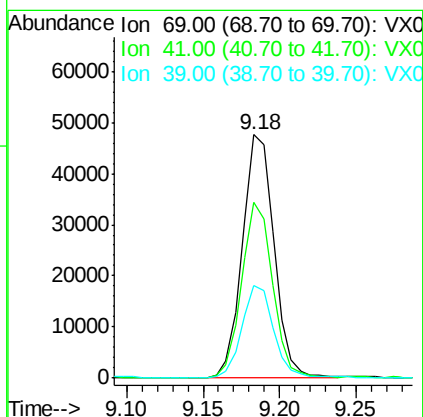
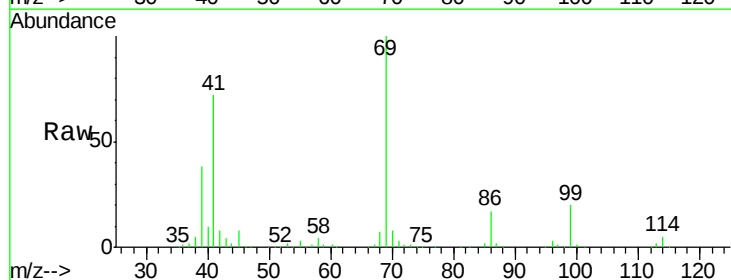
Manual Integrations
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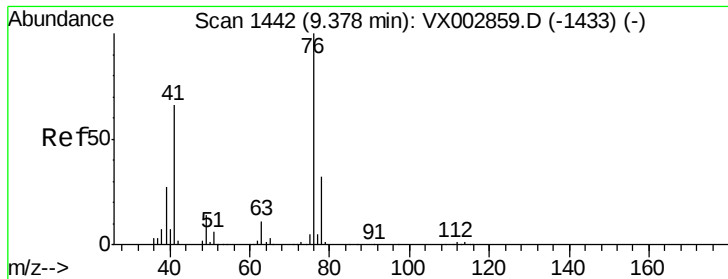
MMDadoda
 7/9/2018 12:56:54 PM



#56
 Ethyl methacrylate
 Concen: 18.916 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Tgt Ion:	69	Resp:	68779
Ion	Ratio	Lower	Upper
69	100		
41	69.9	60.3	90.5
39	38.0	35.8	53.8





#57

1,3-Dichloropropane

Concen: 19.670 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBS02

Tot Ion: 76 Resp: 80377

Ion Ratio Lower Upper

76 100

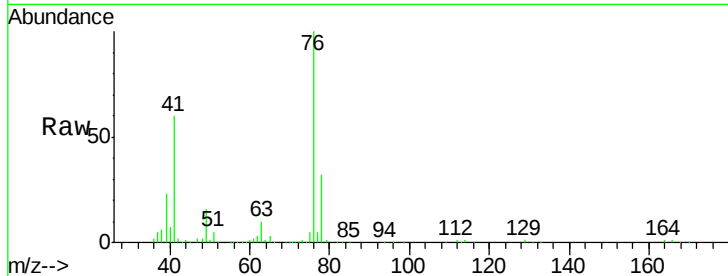
78 32.6 25.8 38.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

60000

50000

40000

30000

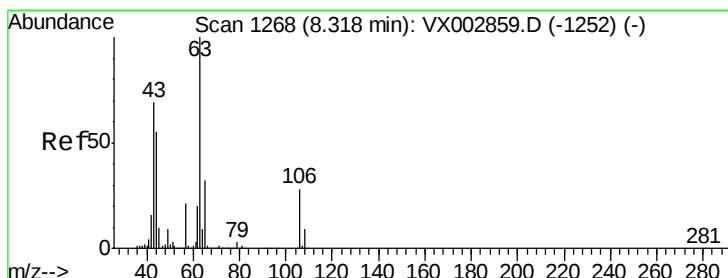
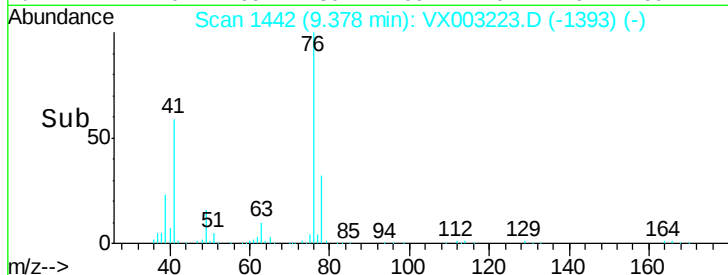
20000

10000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 101.137 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003223.D

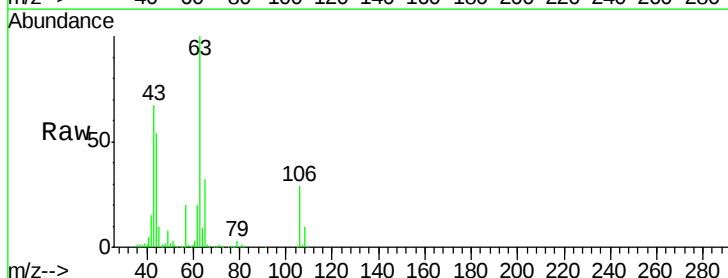
Acq: 06 Jul 2018 20:13

Tgt Ion: 63 Resp: 177414

Ion Ratio Lower Upper

63 100

106 28.9 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

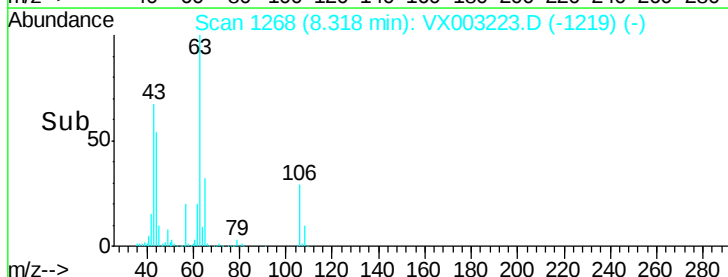
100000

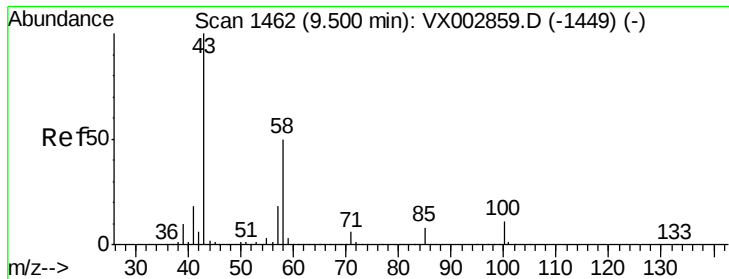
50000

0

8.25 8.30 8.35 8.40

Time-->





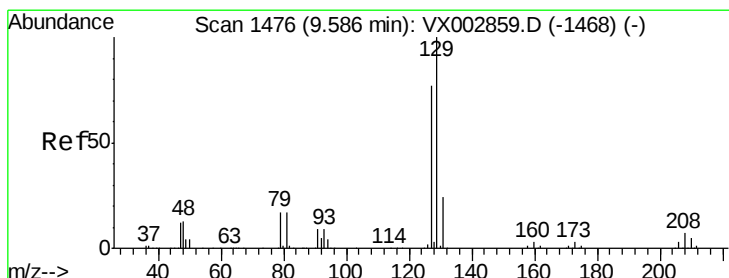
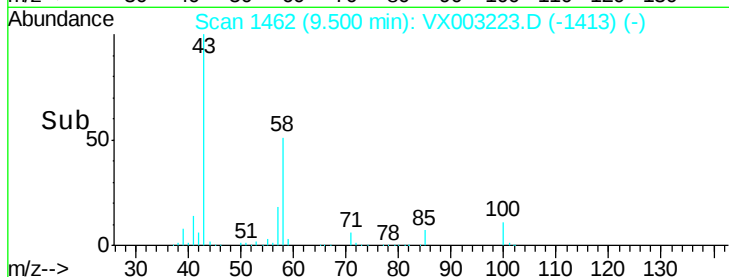
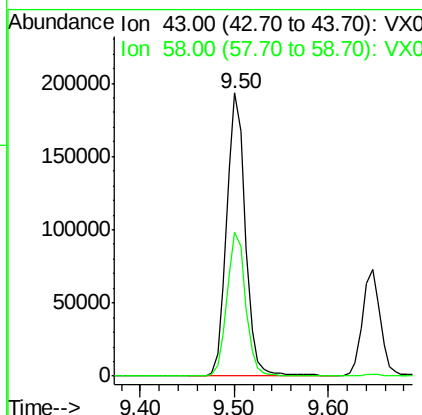
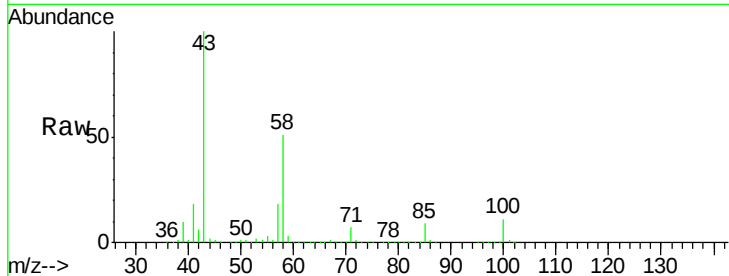
#59
2-Hexanone
Concen: 95.379 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampled :
VX0706WBS02

Tot Ion: 43 Resp: 266392
Ion Ratio Lower Upper
43 100
58 51.2 24.6 73.6

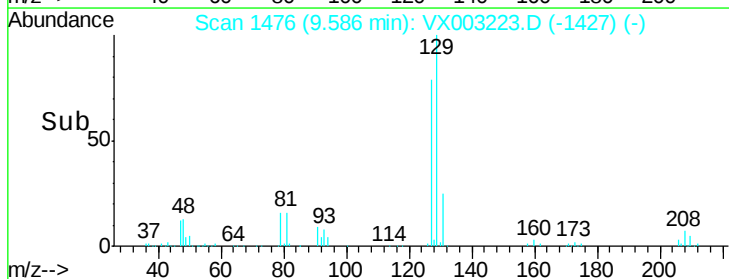
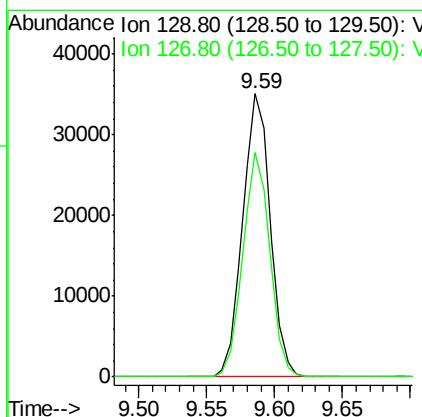
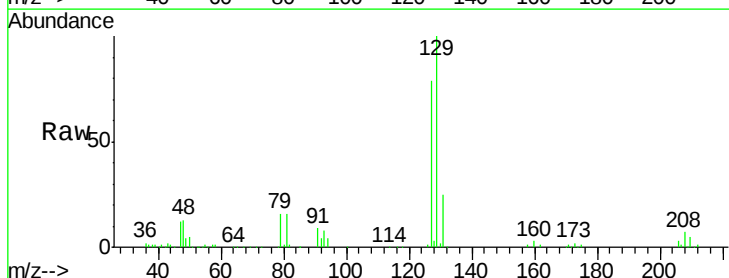
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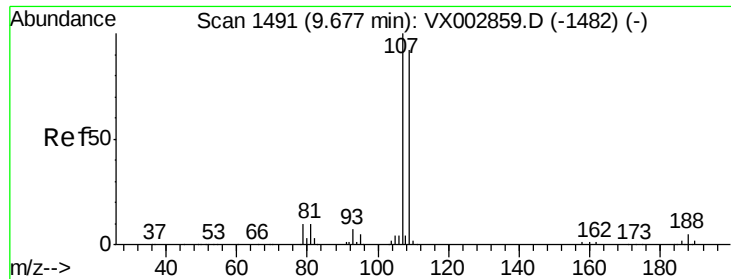
MMDadoda
7/9/2018 12:56:54 PM



#60
Dibromochloromethane
Concen: 19.007 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion: 129 Resp: 49781
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.689 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBS02

Tot Ion:107 Resp: 51380

Ion Ratio Lower Upper

107 100

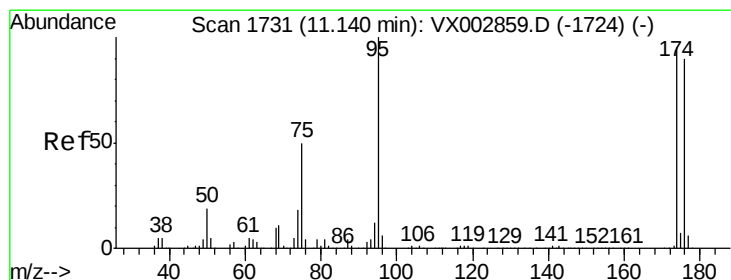
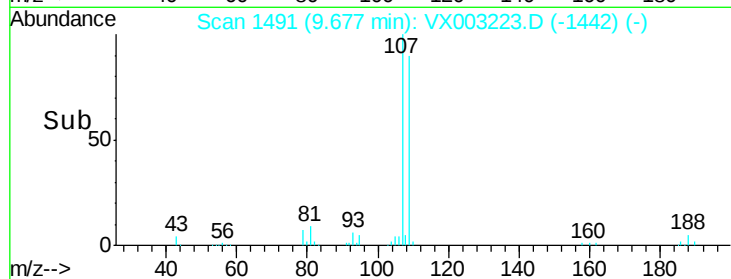
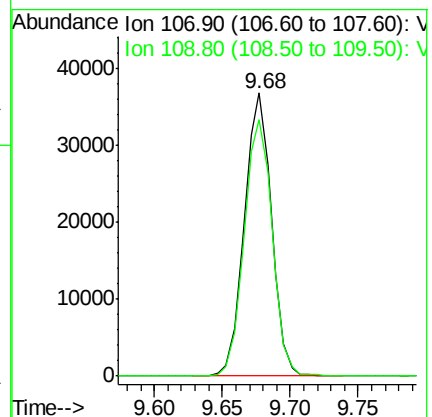
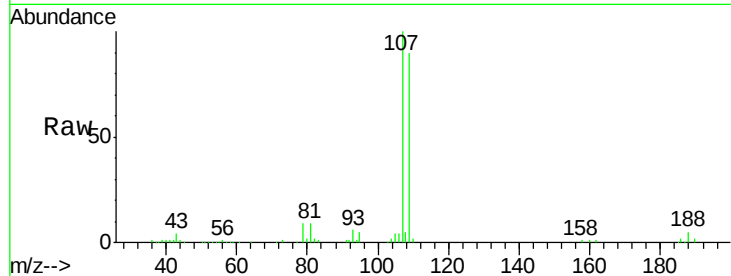
109 93.6 75.3 112.9

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#62

4-Bromofluorobenzene

Concen: 53.538 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

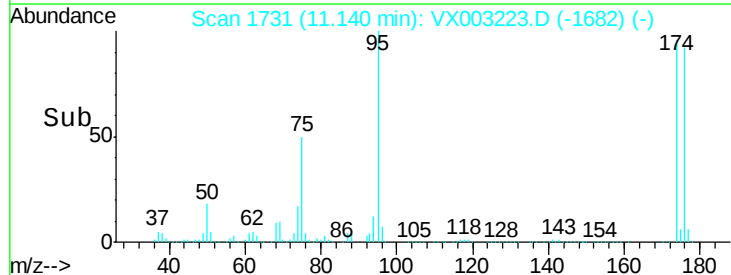
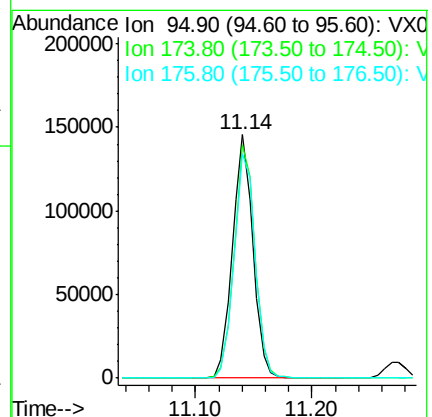
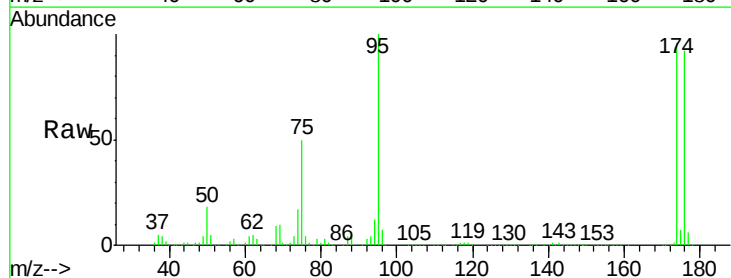
Tgt Ion: 95 Resp: 177104

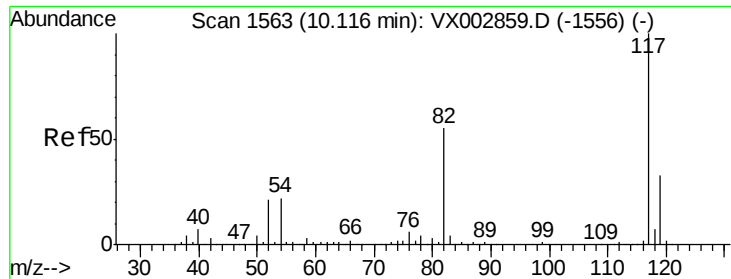
Ion Ratio Lower Upper

95 100

174 98.1 0.0 187.4

176 95.7 0.0 181.0





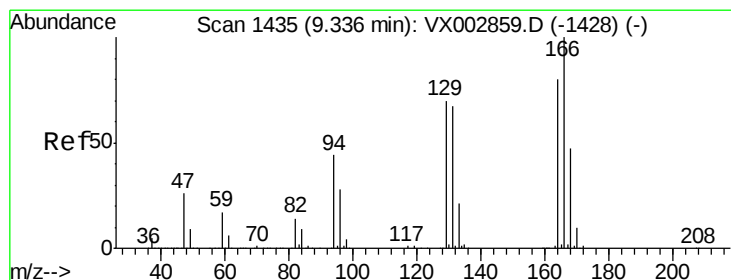
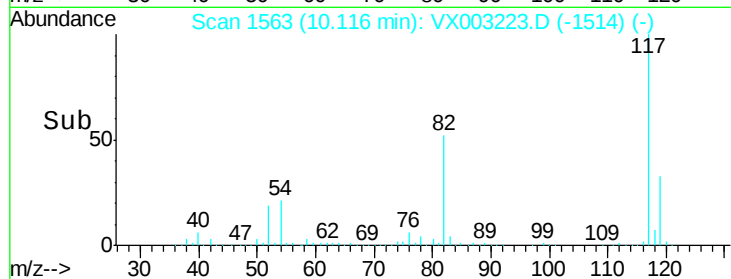
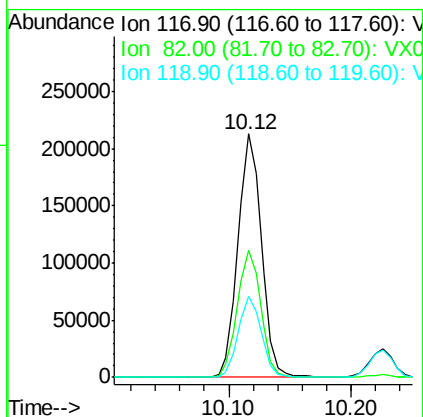
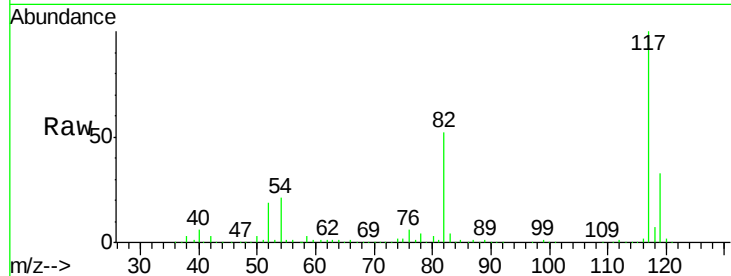
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampled :
VX0706WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	45.0	67.4
119	33.1	25.8	38.6

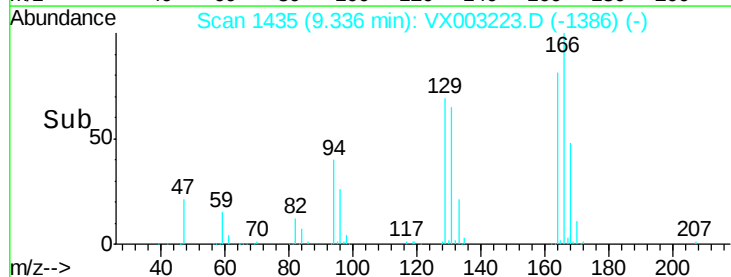
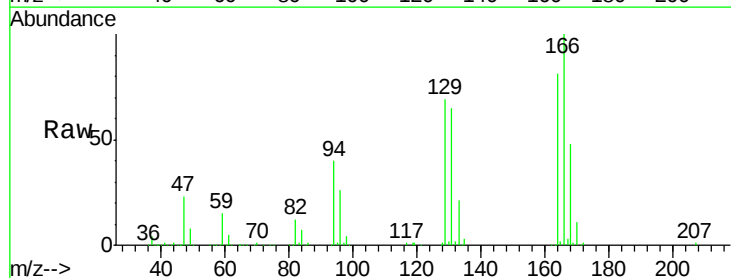
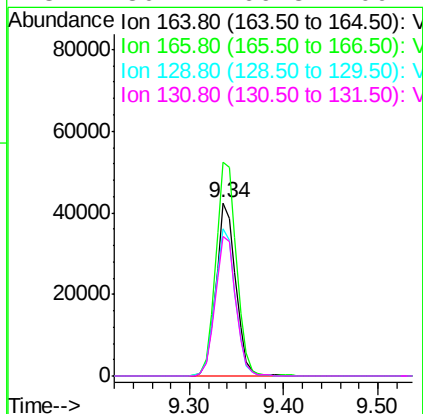
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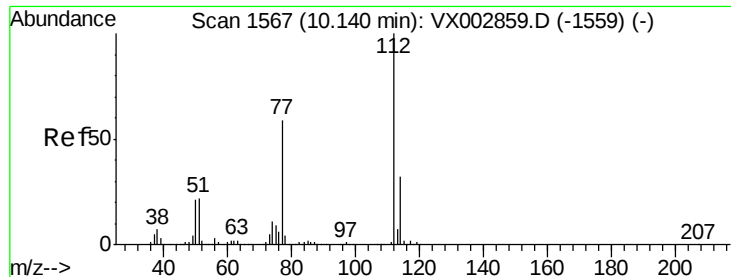
MMDadoda
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#64
Tetrachloroethene
Concen: 19.509 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	102.9	154.3
129	85.1	68.6	102.8
131	80.4	66.8	100.2





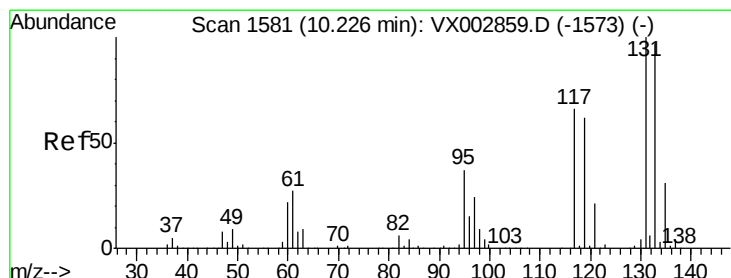
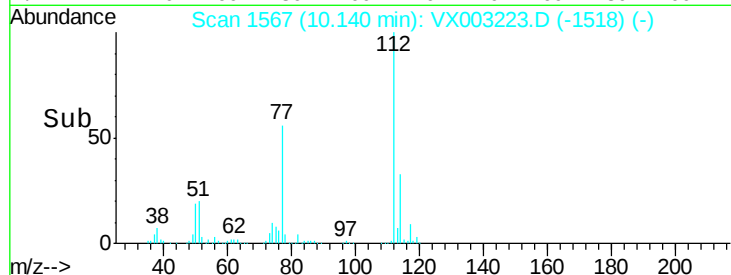
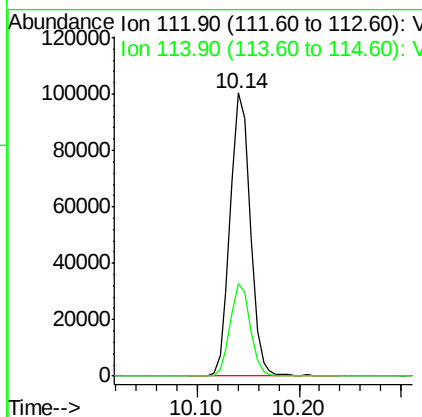
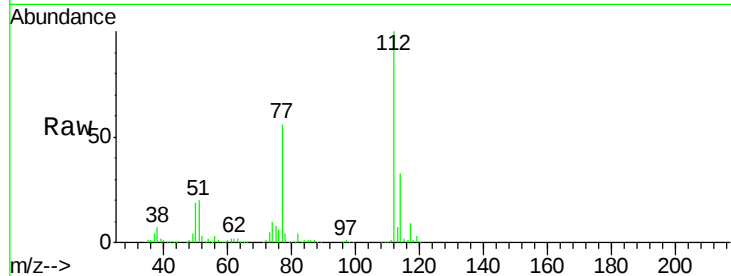
#65
Chlorobenzene
Concen: 19.121 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBS02

Tot Ion:112 Resp: 137230
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9

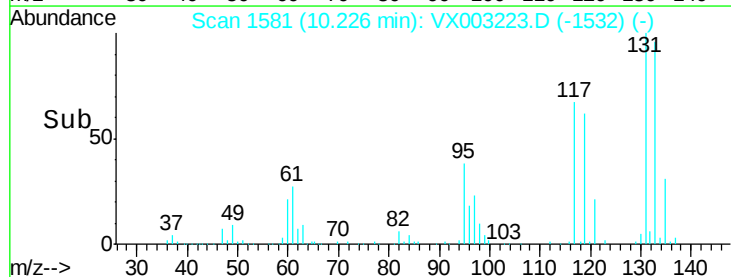
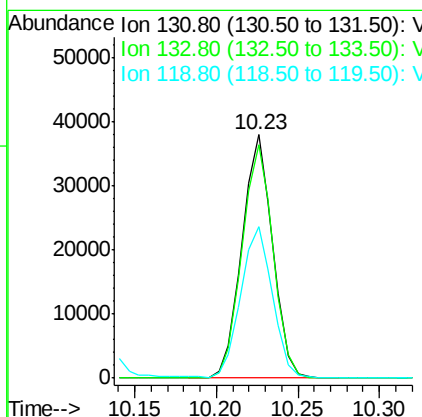
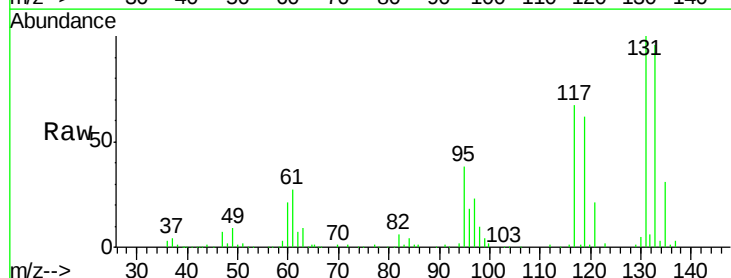
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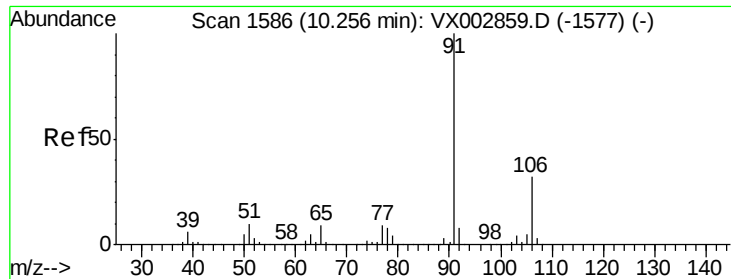
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.087 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion:131 Resp: 49762
Ion Ratio Lower Upper
131 100
133 96.9 47.9 143.6
119 64.4 31.8 95.3





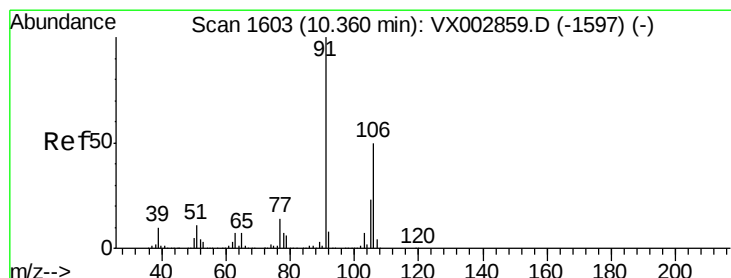
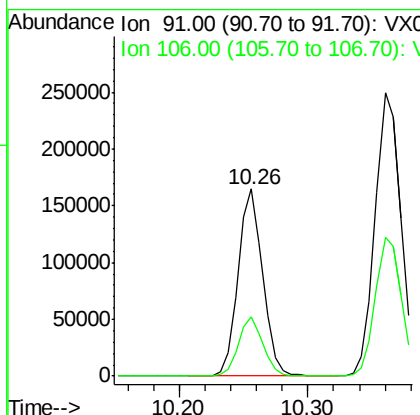
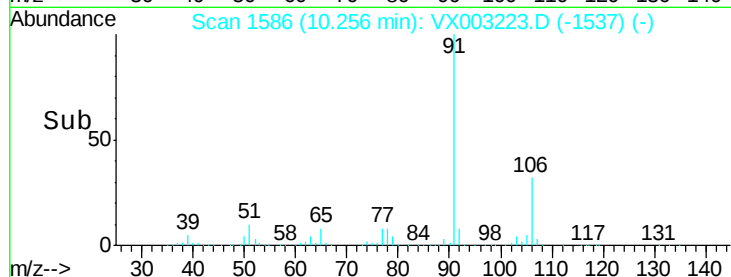
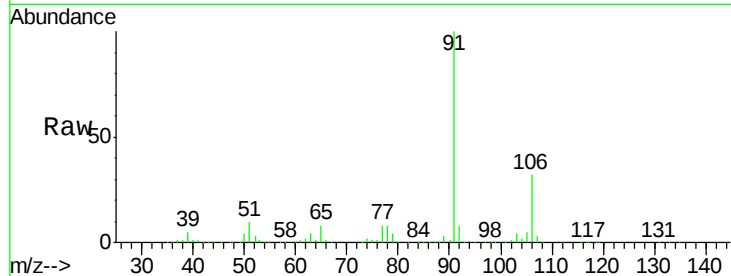
#67
Ethyl Benzene
Concen: 18.421 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampled :
VX0706WBS02

Tot Ion: 91 Resp: 218392
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3

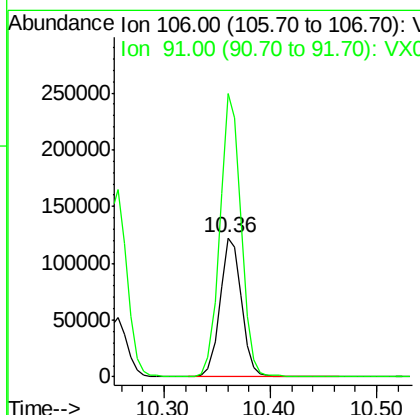
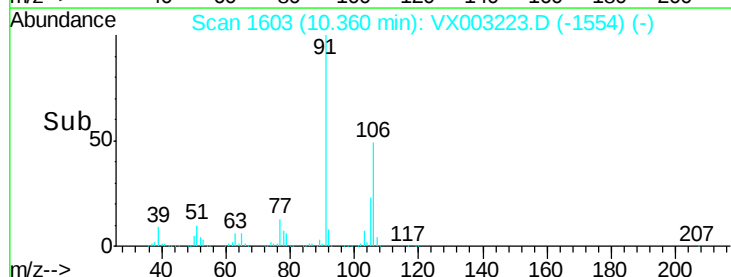
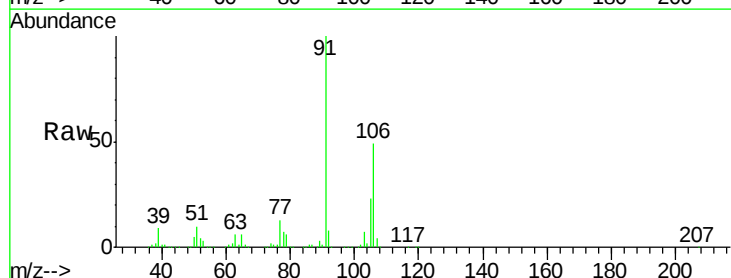
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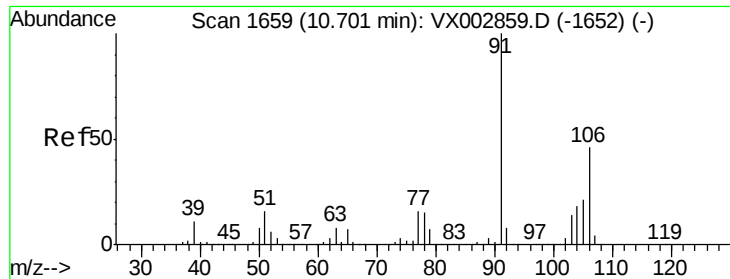
MMDadoda
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#68
m/p-Xylenes
Concen: 37.422 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion: 106 Resp: 170988
Ion Ratio Lower Upper
106 100
91 202.3 163.4 245.2





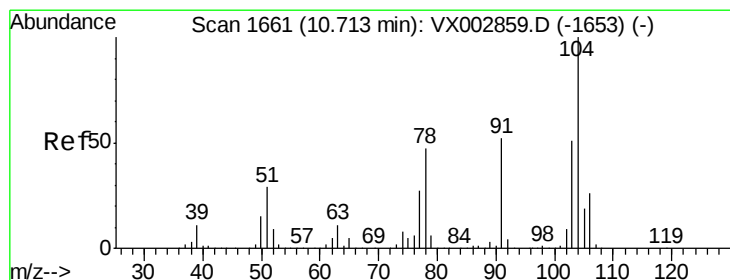
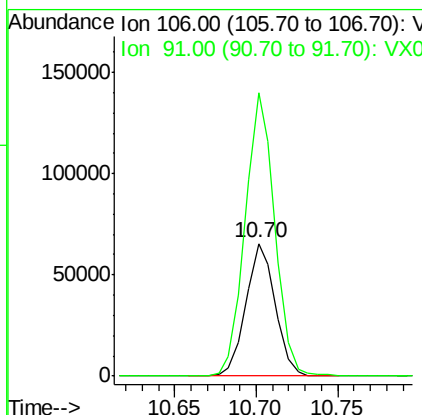
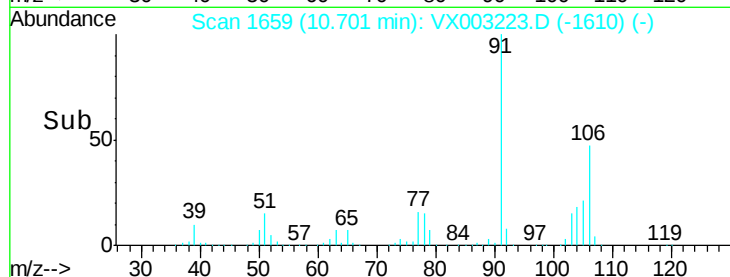
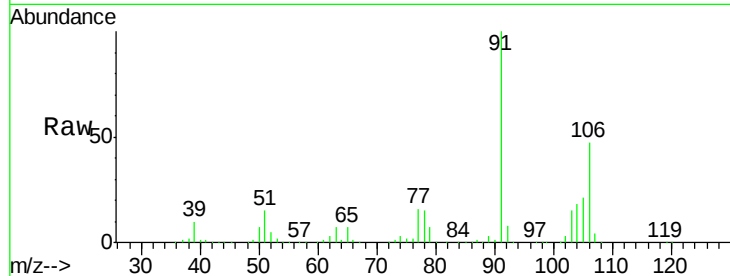
#69
o-Xylene
Concen: 18.533 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBS02

Tot Ion:106 Resp: 82452
Ion Ratio Lower Upper
106 100
91 215.0 108.2 324.6

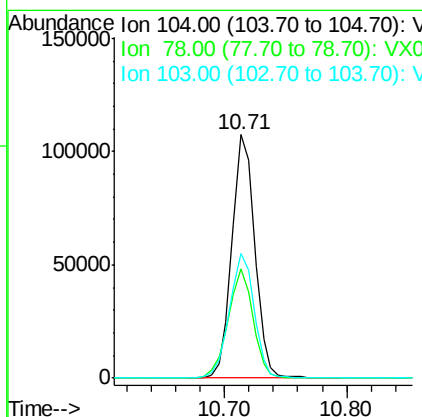
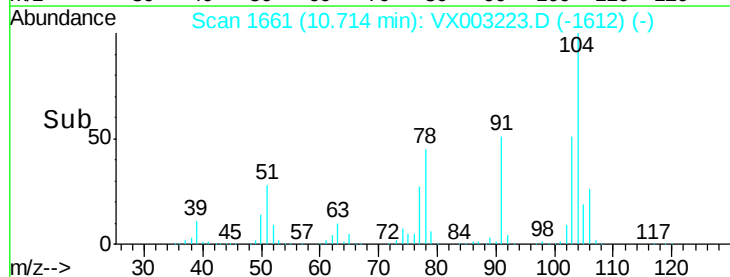
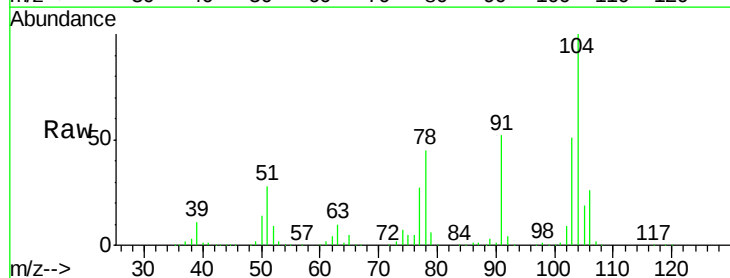
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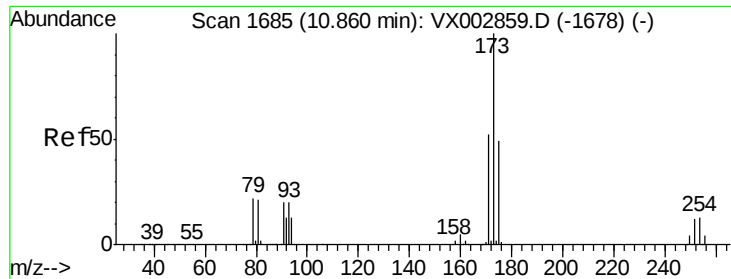
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#70
Styrene
Concen: 19.237 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion:104 Resp: 139067
Ion Ratio Lower Upper
104 100
78 49.2 41.0 61.6
103 55.6 44.2 66.4





#71

Bromoform

Concen: 19.153 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBS02

Tot Ion:173 Resp: 38963

Ion Ratio Lower Upper

173 100

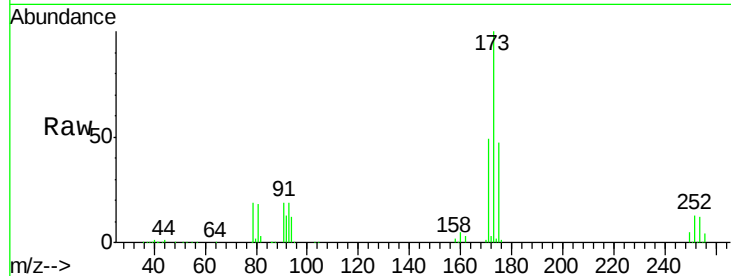
175 48.2 24.7 74.1

254 0.1 0.2 0.2#

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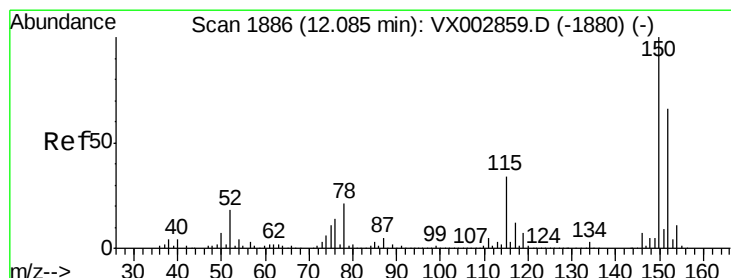
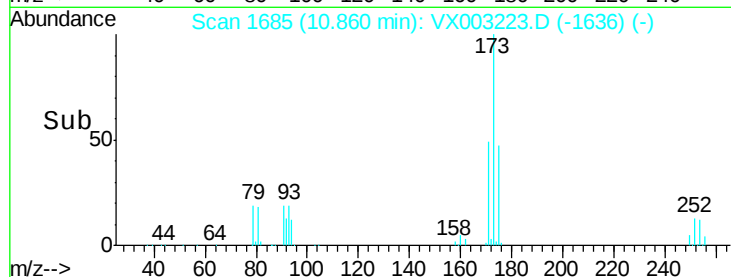
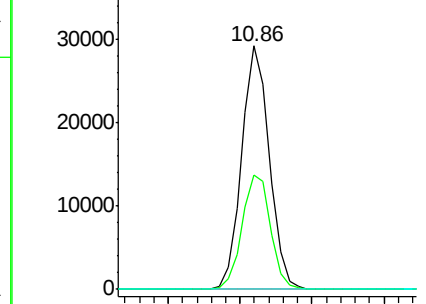
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 1885

Delta R.T. -0.01 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

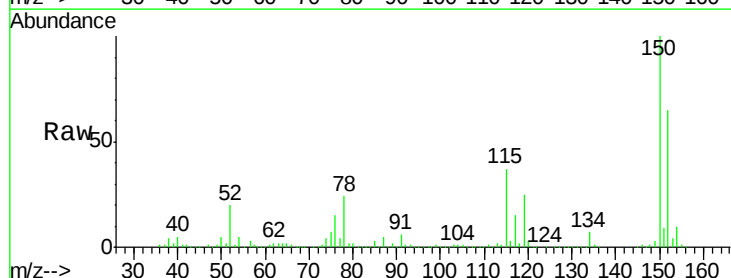
Tgt Ion:152 Resp: 176430

Ion Ratio Lower Upper

152 100

115 61.9 40.1 120.2

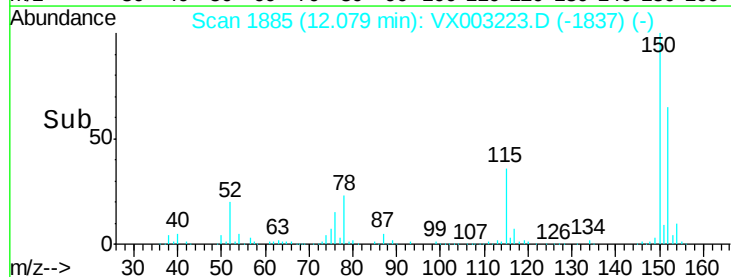
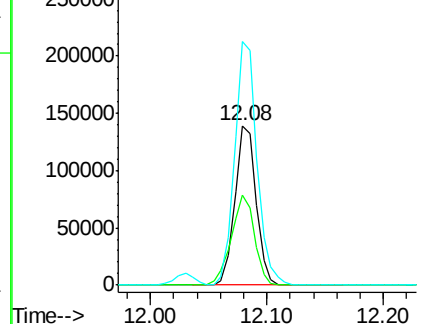
150 161.2 0.0 347.2

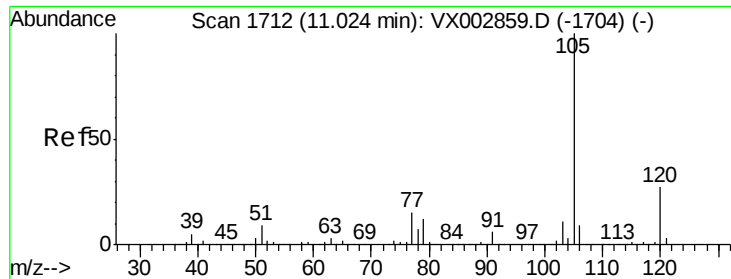


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.181 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBS02

Tot Ion:105 Resp: 227656

Ion Ratio Lower Upper

105 100

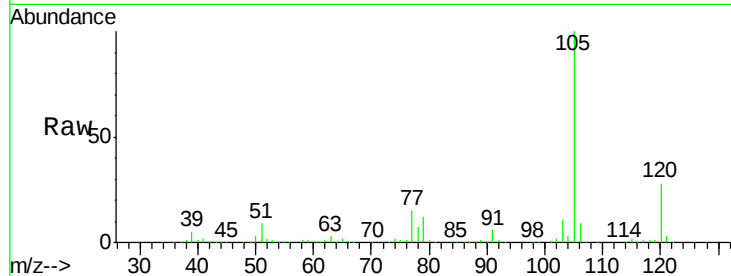
120 27.5 13.5 40.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

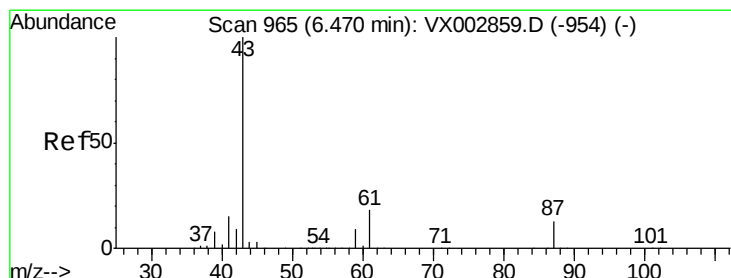
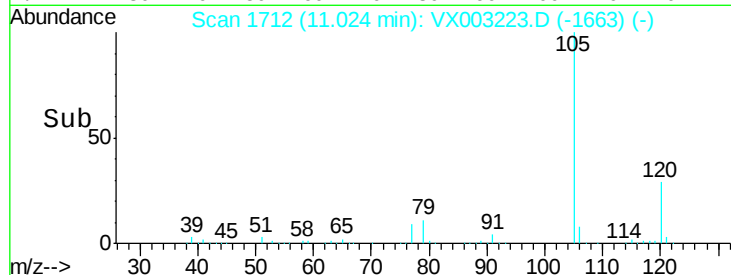
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 18.706 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Tgt Ion: 43 Resp: 108630

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 19.3 14.4 21.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

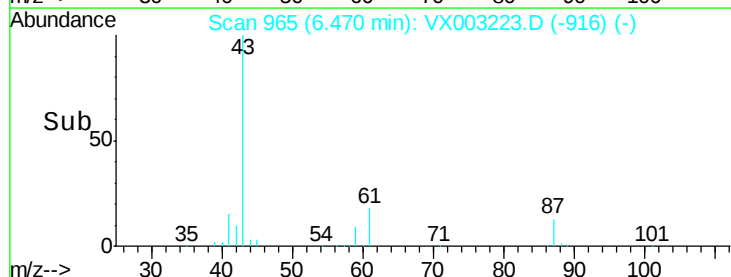
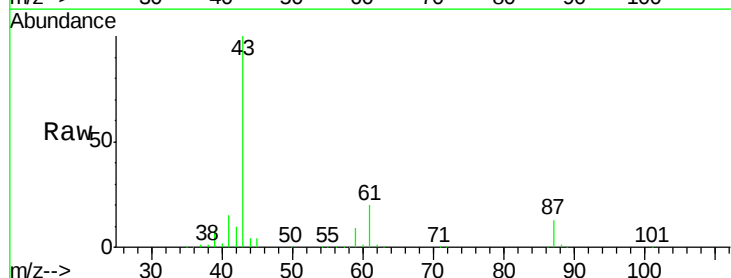
60000

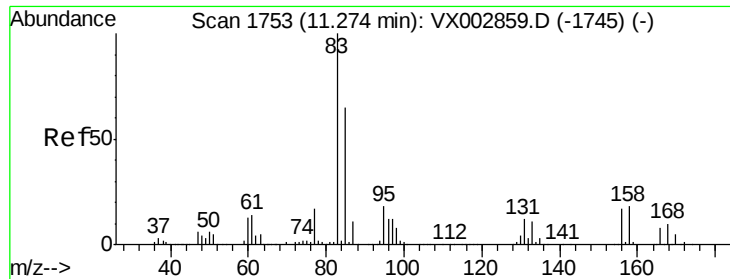
40000

20000

0

Time--> 6.30 6.40 6.50 6.60





#75

1,1,2,2-Tetrachloroethane

Concen: 19.758 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

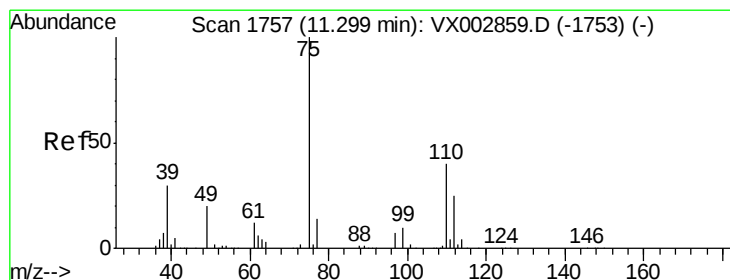
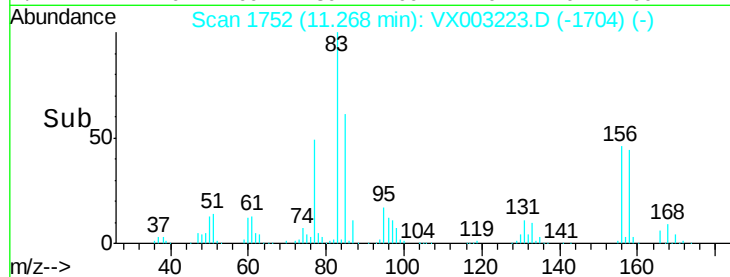
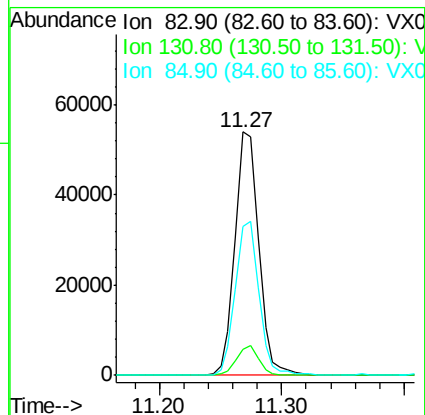
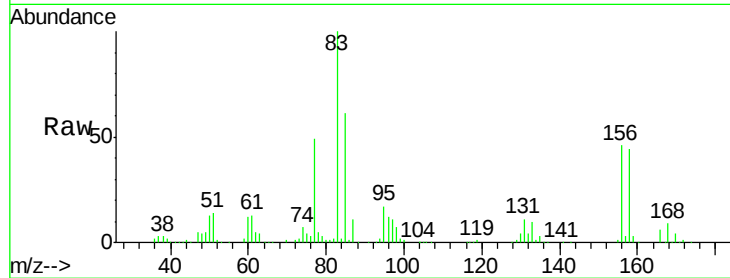
ClientSampled :

VX0706WBS02

Tot Ion:	83	Resp:	72239
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.6	16.8
85	63.4	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 21.848 ug/l m

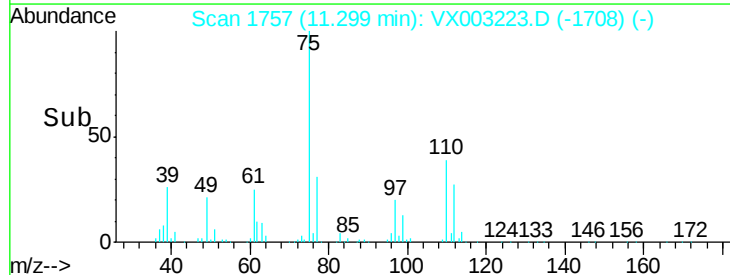
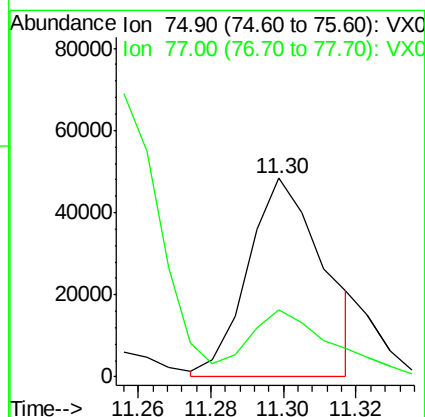
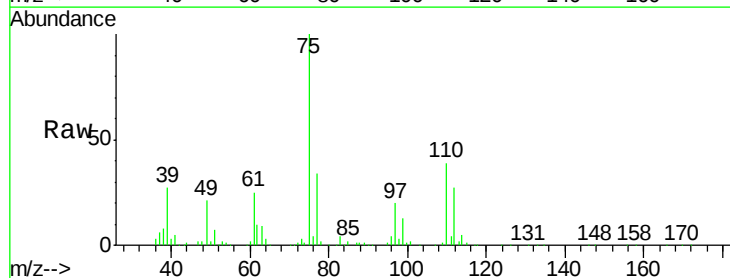
RT: 11.30 min Scan# 1757

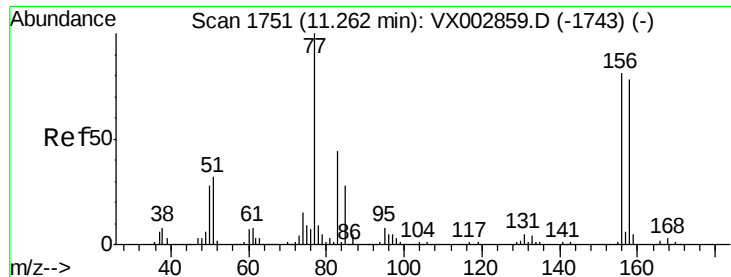
Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Tgt Ion:	75	Resp:	69823
Ion Ratio	Lower	Upper	
75	100		
77	37.0	22.8	68.3





#77

Bromobenzene

Concen: 19.242 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBS02

Tot Ion:156 Resp: 65037

Ion Ratio Lower Upper

156 100

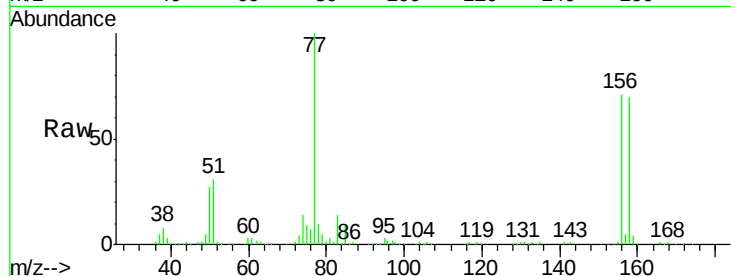
77 135.3 71.4 214.2

158 98.1 48.9 146.6

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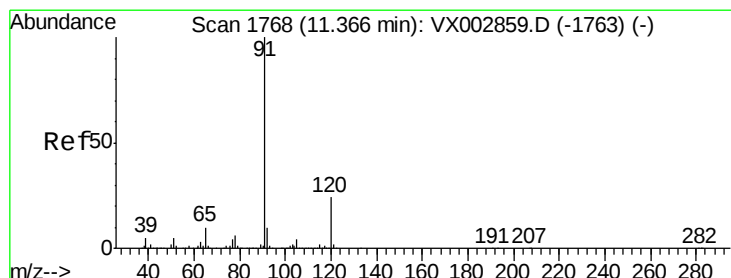
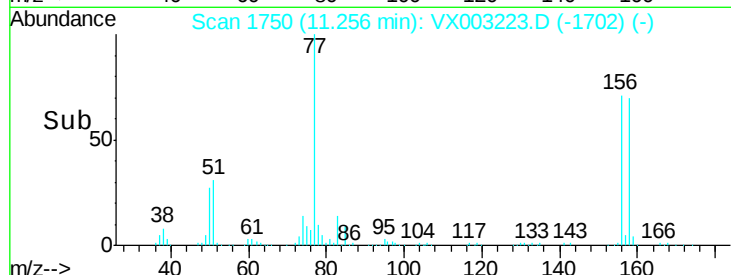
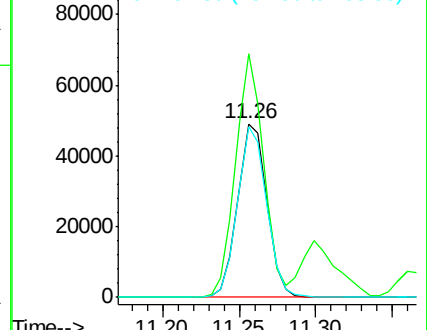
7/9/2018 12:56:54 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.229 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003223.D

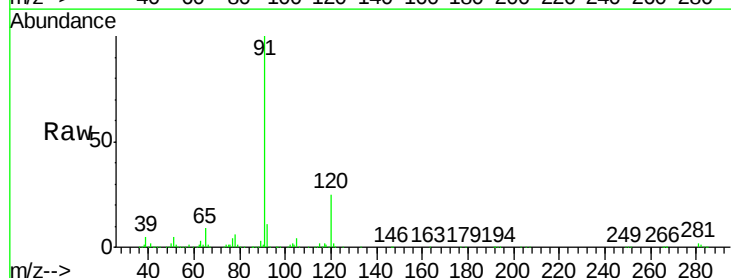
Acq: 06 Jul 2018 20:13

Tgt Ion: 91 Resp: 246273

Ion Ratio Lower Upper

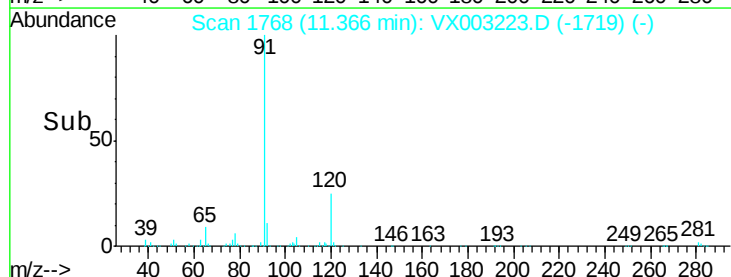
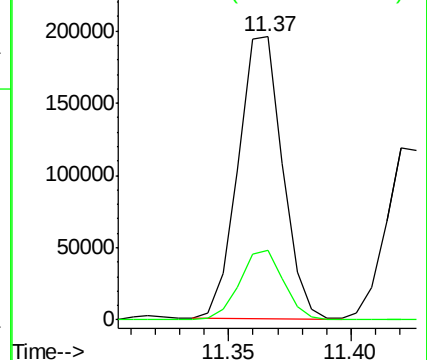
91 100

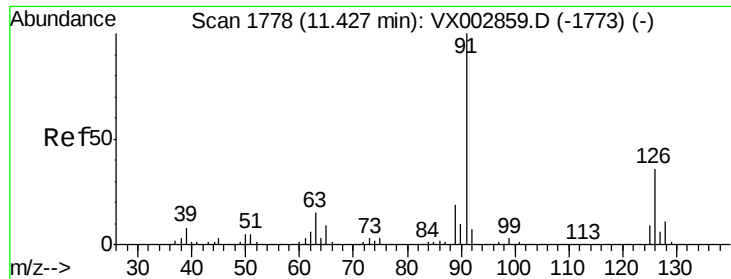
120 24.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.735 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampled :

VX0706WBS02

Tot Ion: 91 Resp: 153236

Ion Ratio Lower Upper

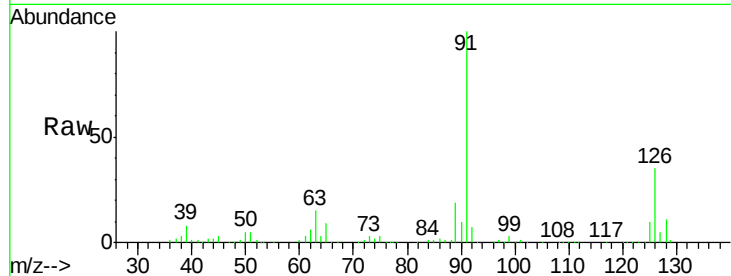
91 100

126 36.6 17.7 53.1

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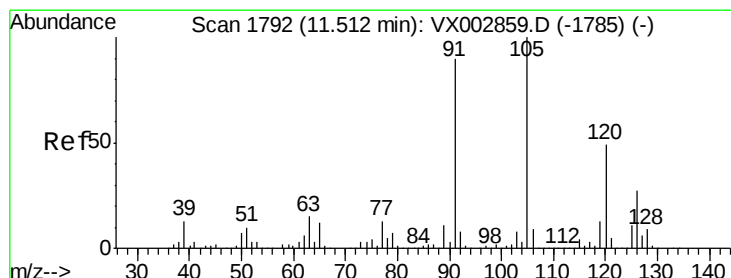
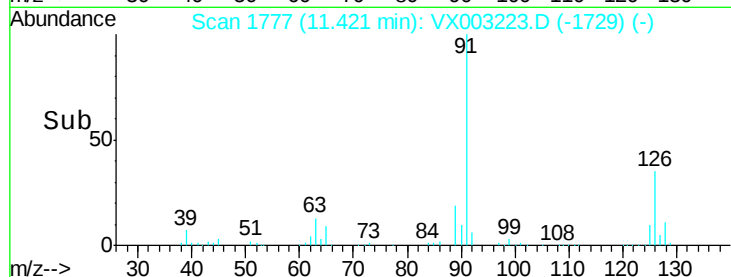
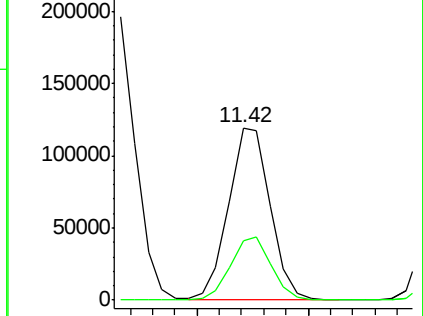
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.751 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003223.D

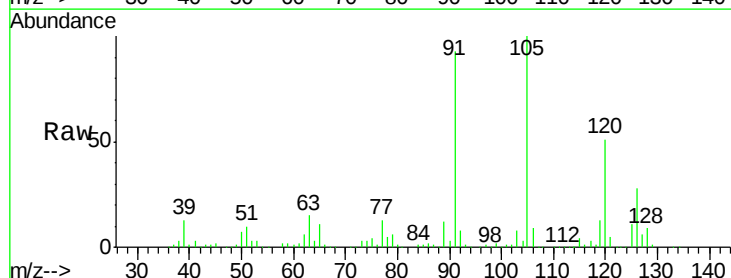
Acq: 06 Jul 2018 20:13

Tgt Ion: 105 Resp: 187448

Ion Ratio Lower Upper

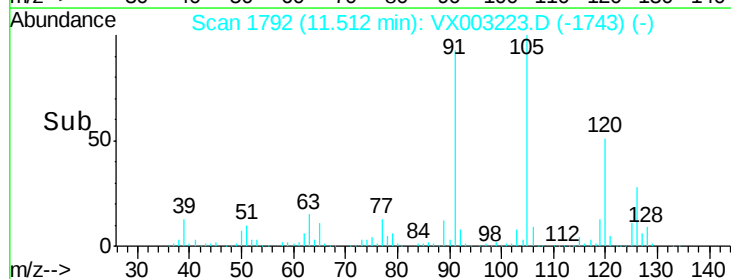
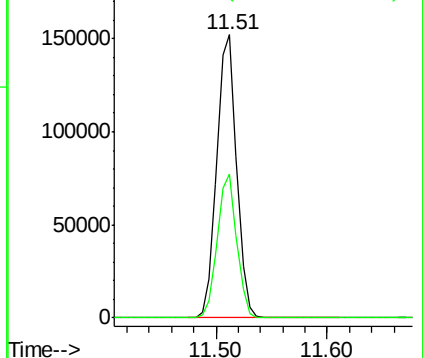
105 100

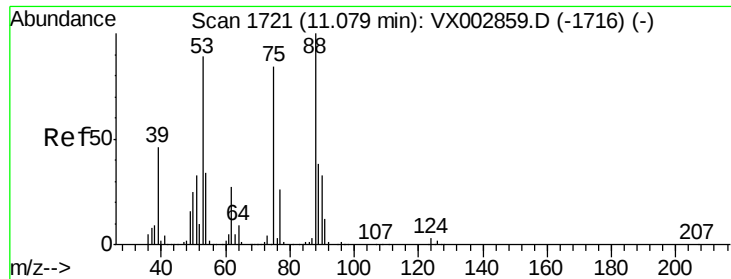
120 49.8 24.4 73.4



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: 17.274 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBS02

Tot Ion: 75 Resp: 16429

Ion Ratio Lower Upper

75 100

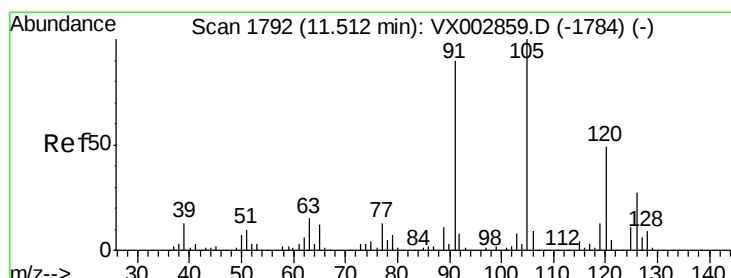
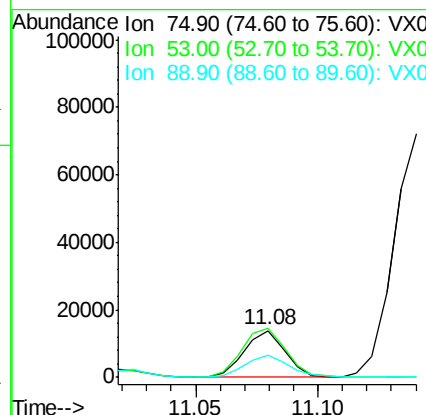
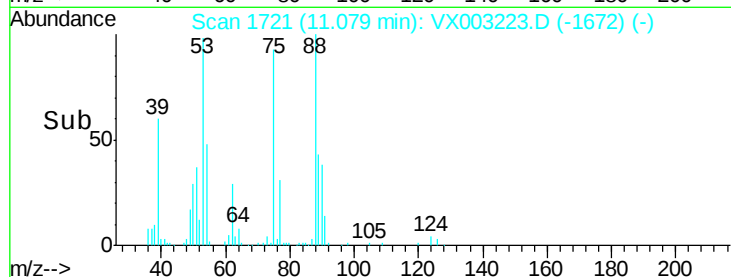
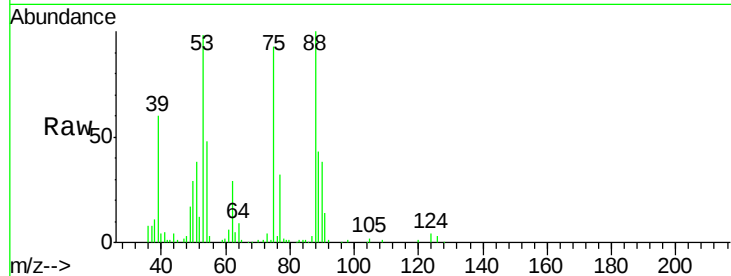
53 111.7 86.8 130.2

89 51.9 38.2 57.2

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#82

4-Chlorotoluene

Concen: 18.446 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003223.D

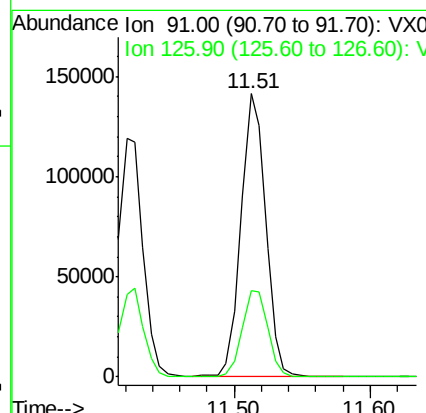
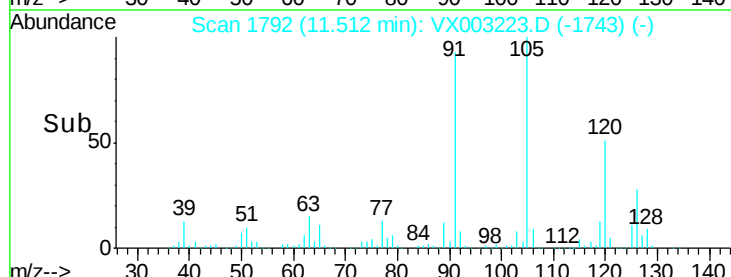
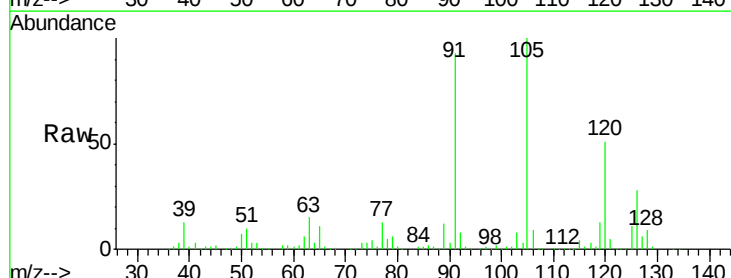
Acq: 06 Jul 2018 20:13

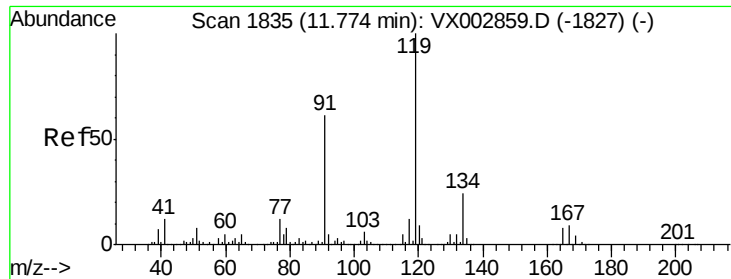
Tgt Ion: 91 Resp: 178614

Ion Ratio Lower Upper

91 100

126 32.0 15.4 46.4





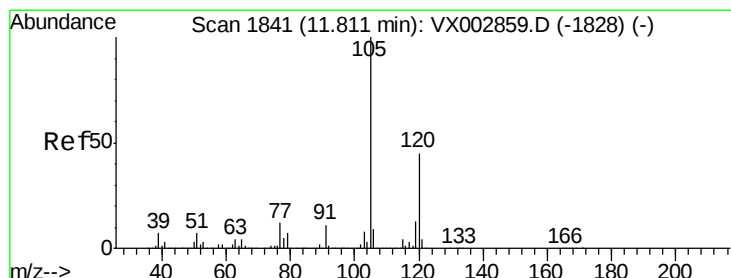
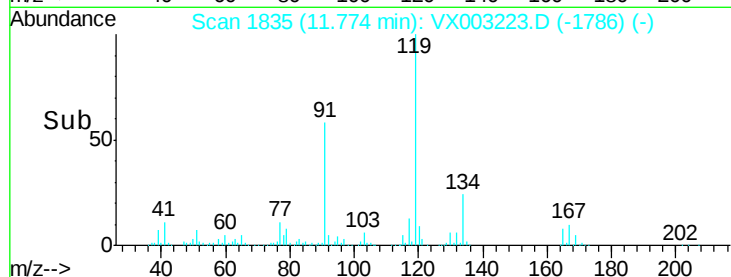
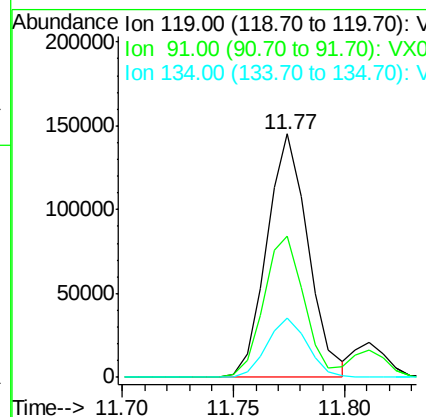
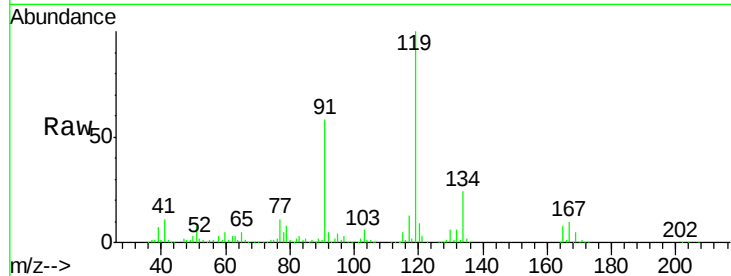
#83
tert-Butylbenzene
Concen: 18.958 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampleId :
VX0706WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.7	30.3	90.9
134	23.8	11.7	35.1

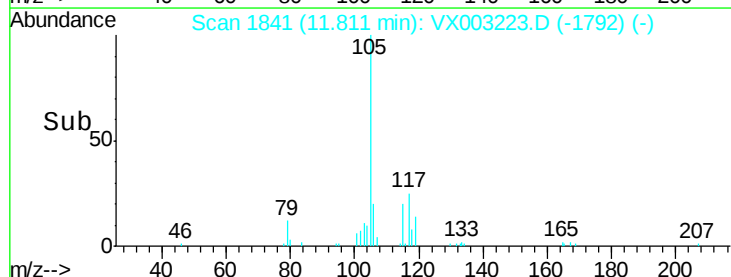
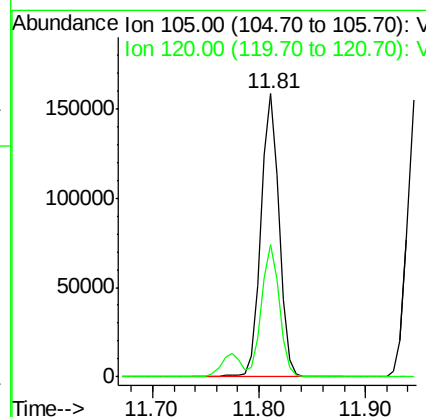
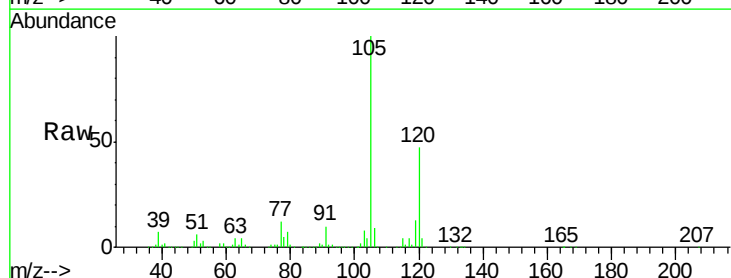
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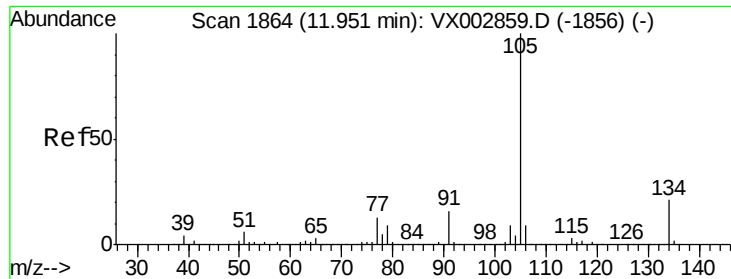
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#84
1,2,4-Trimethylbenzene
Concen: 18.395 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.3	66.8





#85

sec-Butylbenzene

Concen: 18.551 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

ClientSampleId :

VX0706WBS02

Tot Ion:105 Resp: 221713

Ion Ratio Lower Upper

105 100

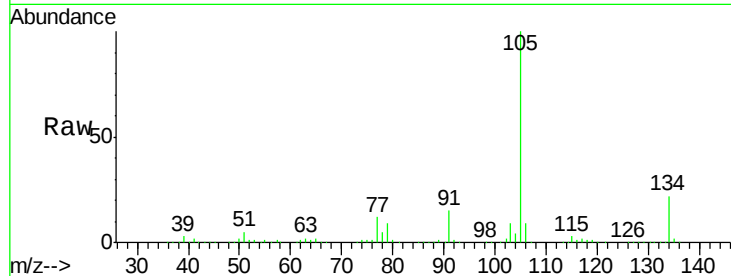
134 21.0 10.4 31.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

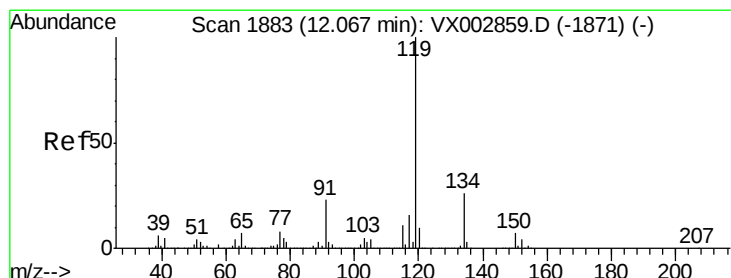
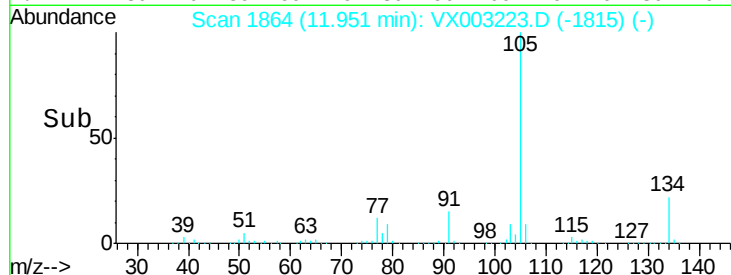
100000

50000

0

11.90 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 18.200 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

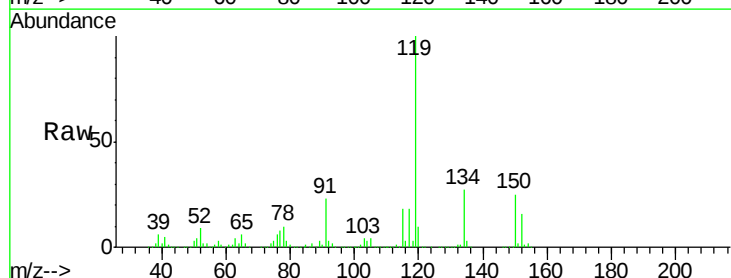
Tgt Ion:119 Resp: 195567

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 23.1 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

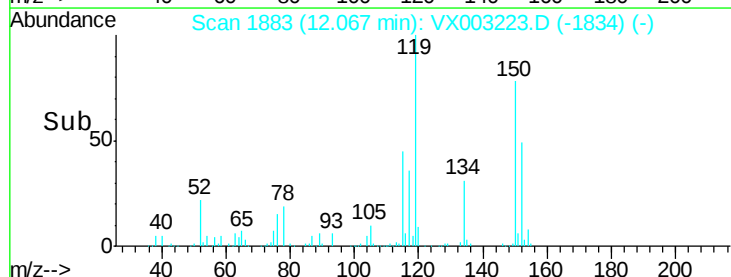
100000

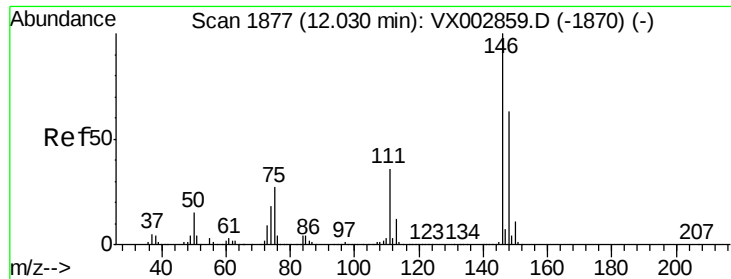
50000

0

12.00 12.10

Time-->





#87

1,3-Dichlorobenzene

Concen: 18.937 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

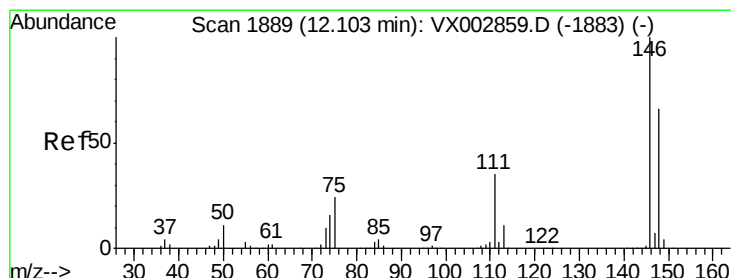
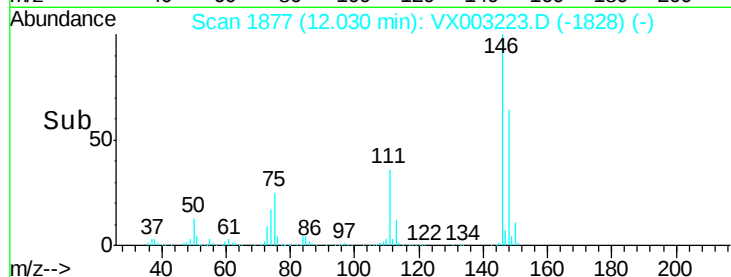
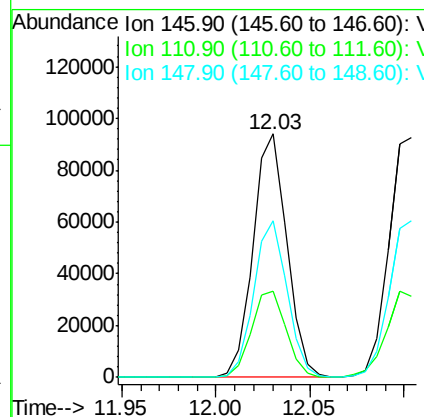
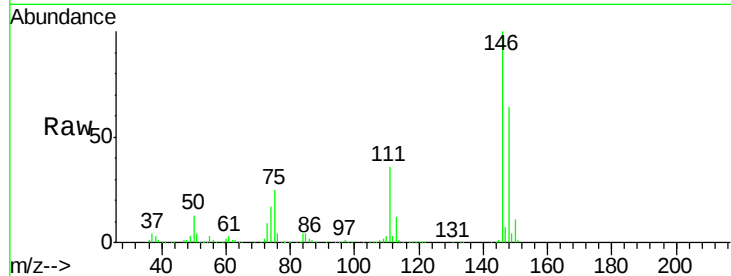
ClientSampleId :

VX0706WBS02

Tot Ion:	146	Resp:	116900
Ion Ratio	Lower	Upper	
146	100		
111	36.6	18.9	56.7
148	63.4	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 18.692 ug/l

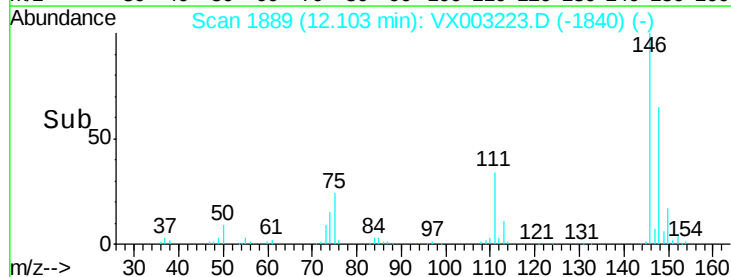
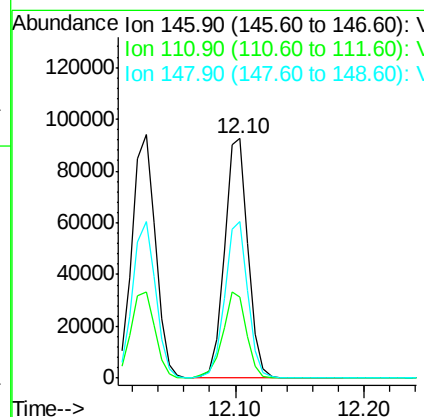
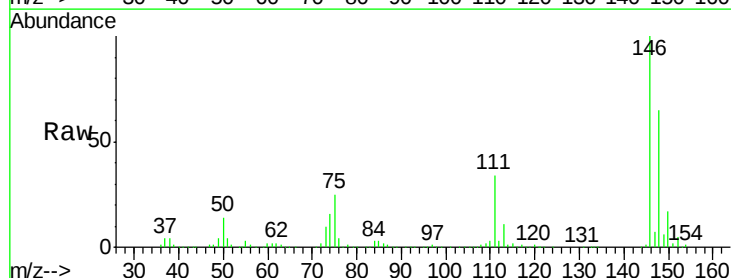
RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Tgt Ion:	146	Resp:	118746
Ion Ratio	Lower	Upper	
146	100		
111	36.5	18.7	56.1
148	64.6	32.4	97.0





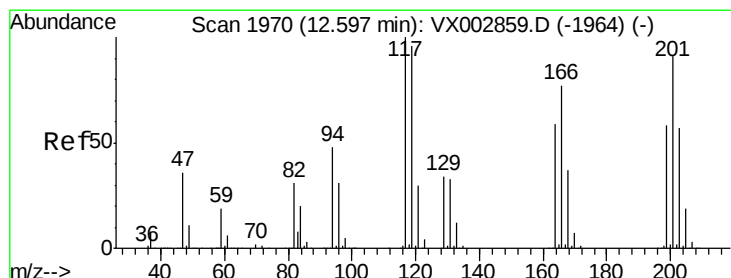
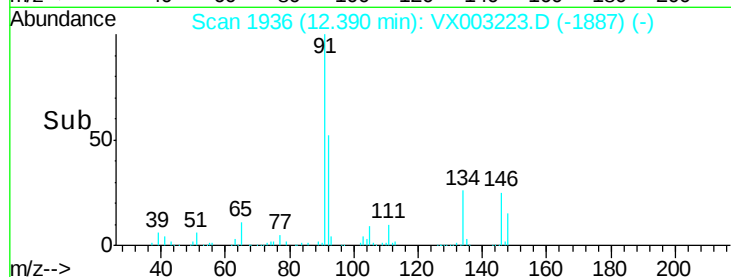
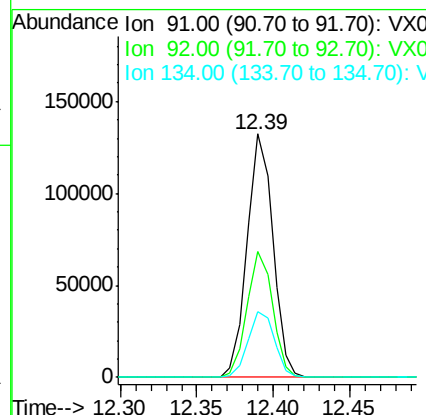
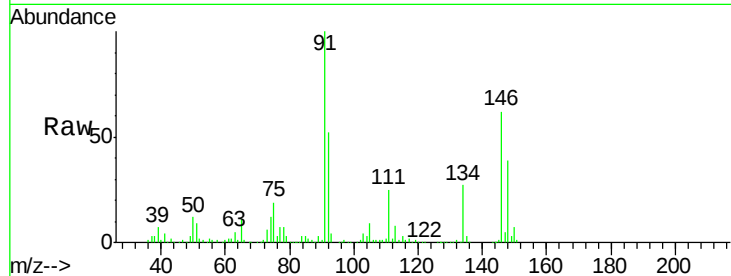
#89
n-Butylbenzene
Concen: 16.621 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Instrument :
MSVOA_X
ClientSampled :
VX0706WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.0	78.0
134	27.9	13.5	40.5

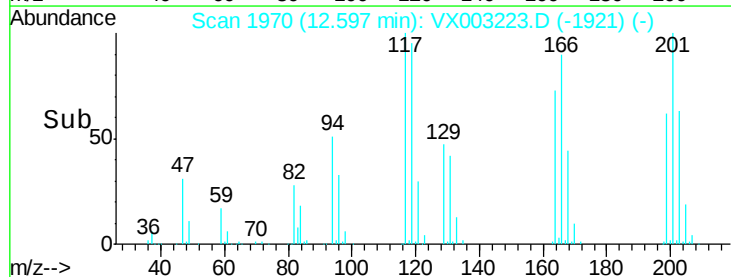
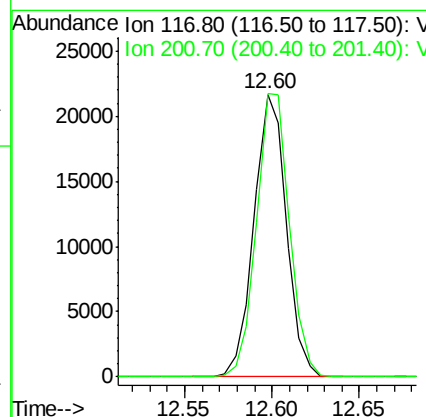
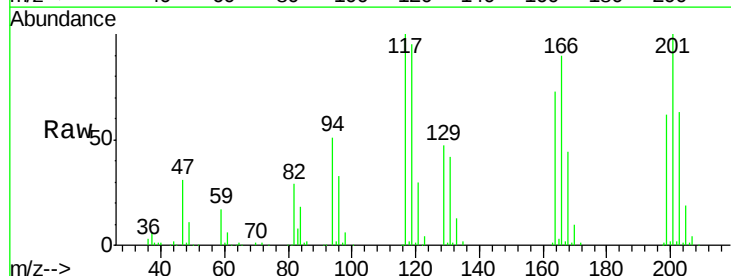
Manual Integrations
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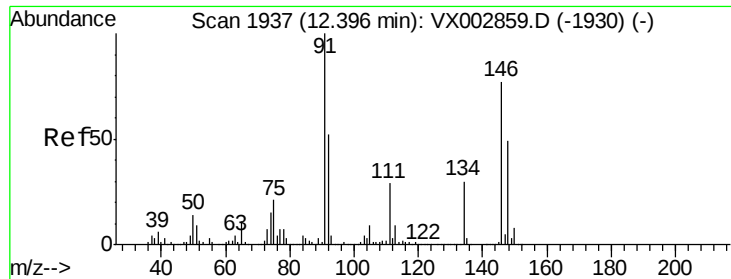
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#90
Hexachloroethane
Concen: 17.560 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003223.D
Acq: 06 Jul 2018 20:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	102.0	49.0	147.0





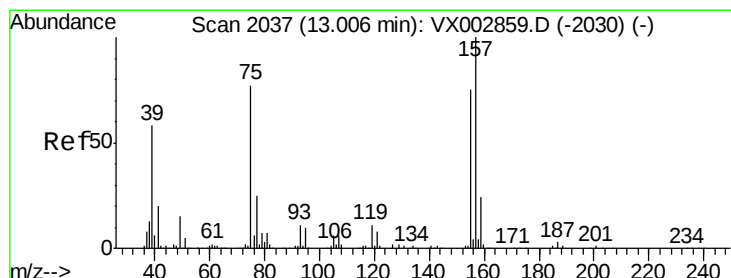
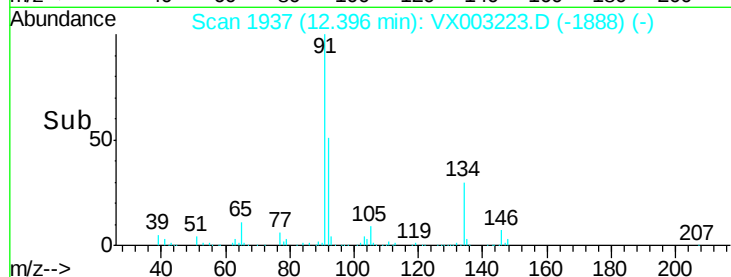
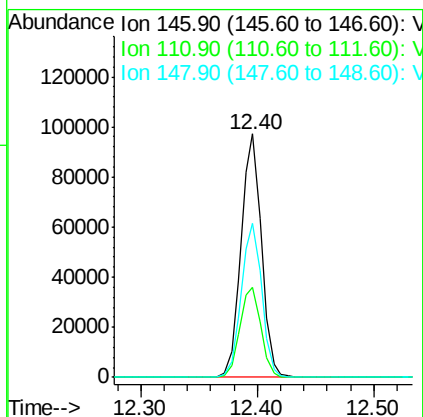
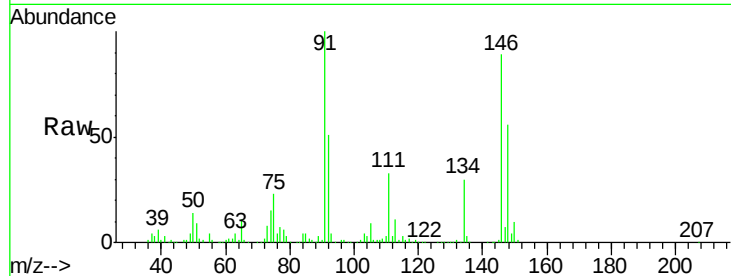
#91
 1,2-Dichlorobenzene
 Concen: 19.058 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.1
148	63.6	31.7	95.1

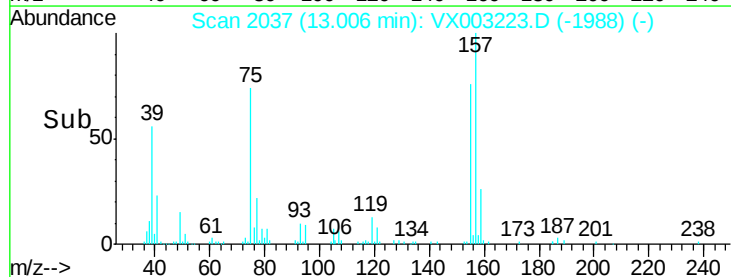
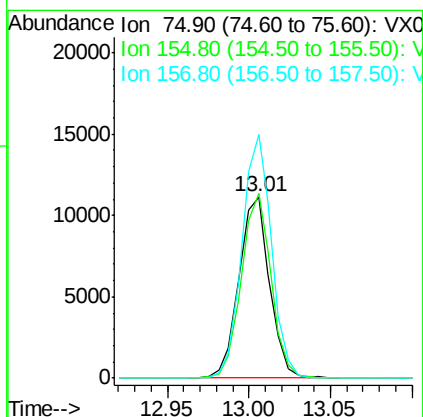
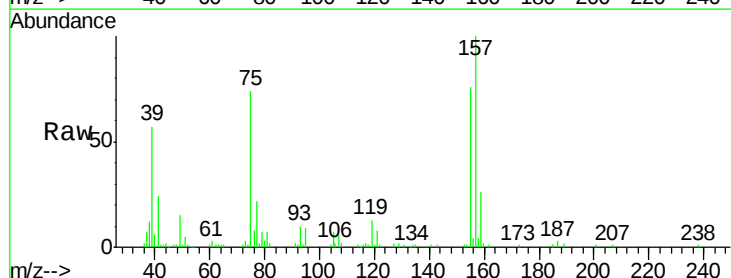
Manual Integrations
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 7/9/2018 12:56:54 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.635 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	45.8	137.4
157	129.3	60.1	180.3





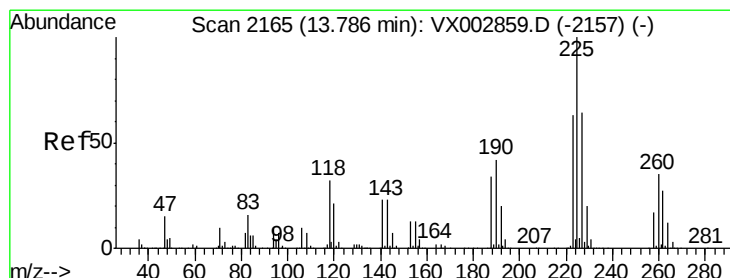
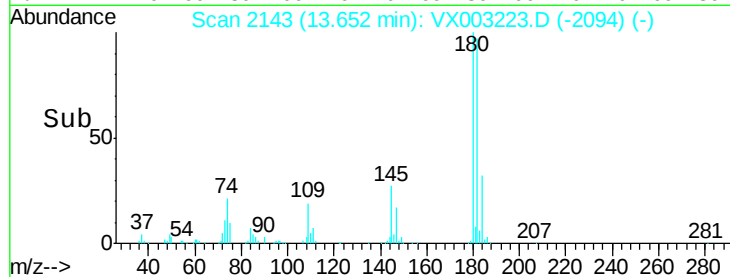
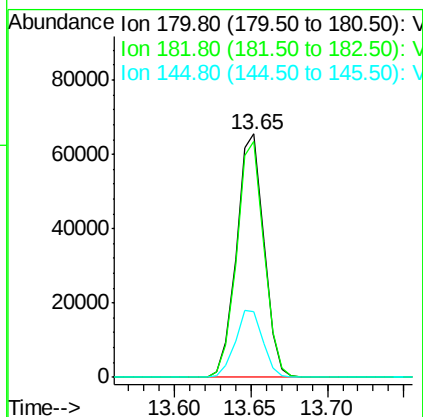
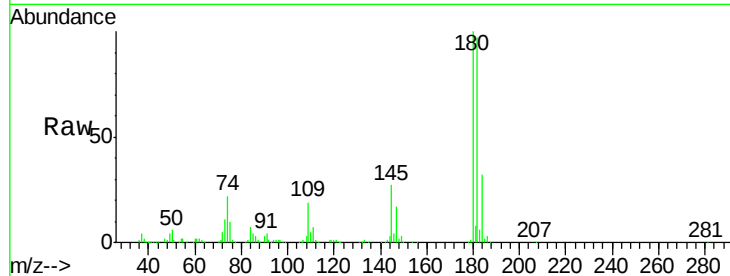
#93
 1,2,4-Trichlorobenzene
 Concen: 17.886 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.7	143.1
145	27.7	14.1	42.4

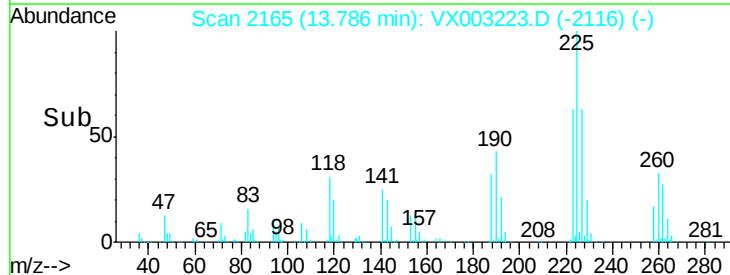
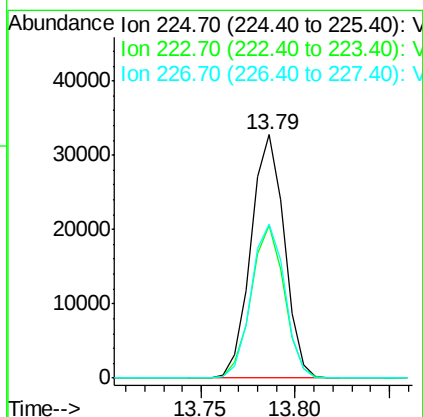
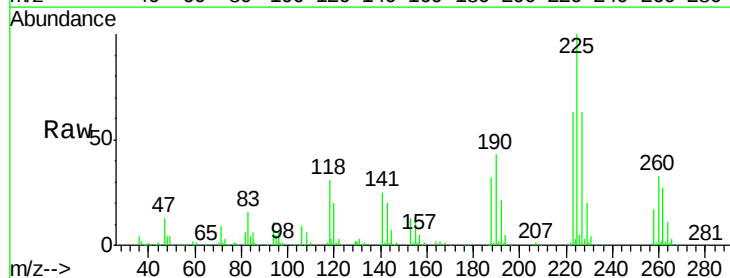
Manual Integrations
 APPROVED

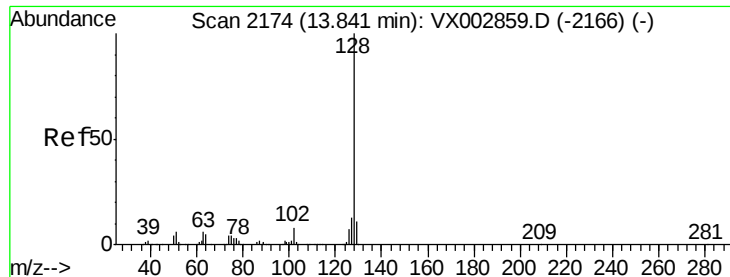
MMDadoda
 7/9/2018 12:56:54 PM



#94
 Hexachlorobutadiene
 Concen: 17.742 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003223.D
 Acq: 06 Jul 2018 20:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.6	95.0
227	64.0	32.4	97.2





#95

Naphthalene

Concen: 19.207 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Instrument :

MSVOA_X

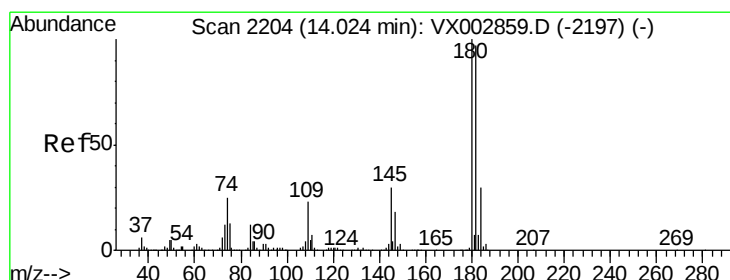
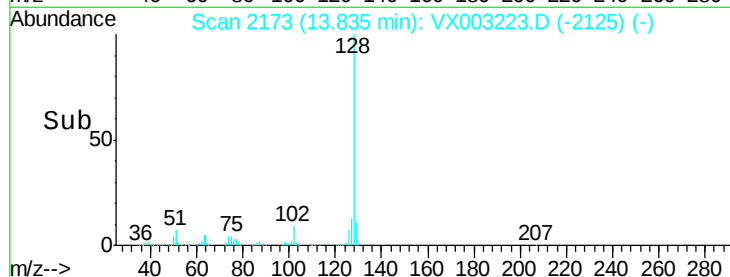
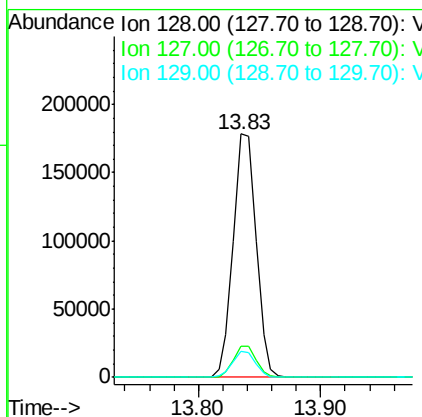
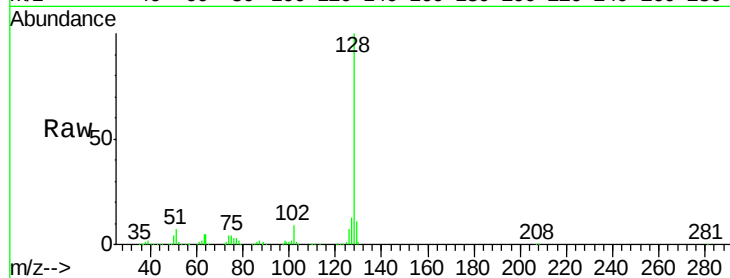
ClientSampleId :

VX0706WBS02

Tot Ion:	128	Resp:	231977
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:56:54 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.868 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003223.D

Acq: 06 Jul 2018 20:13

Tgt Ion:	180	Resp:	85455
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.0	144.0
145	29.5	14.8	44.3

