

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002397.D
 Acq On : 17 Apr 2020 14:28
 Operator : SY/MD
 Sample : L2271-05MS
 Misc : 3.12G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 11:41:11 AM

Quant Time: Apr 18 07:02:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	100008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	162892	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	108097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	29028	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	48775	43.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.72%	
35) Dibromofluoromethane	7.74	113	54675	56.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.82%	
50) Toluene-d8	10.19	98	184316	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	
62) 4-Bromofluorobenzene	12.49	95	35988	26.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	53.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	57687	57.074	ug/l	95
3) Chloromethane	2.12	50	72894	57.303	ug/l	100
4) Vinyl Chloride	2.26	62	76739	56.677	ug/l	99
5) Bromomethane	2.66	94	44057	52.692	ug/l	100
6) Chloroethane	2.81	64	46962	60.141	ug/l	96
7) Trichlorofluoromethane	3.14	101	95918	54.855	ug/l	92
8) Diethyl Ether	3.55	74	45886	61.728	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.93	101	58293	49.078	ug/l	98
10) Methyl Iodide	4.11	142	66394	48.089	ug/l	95
11) Tert butyl alcohol	4.98	59	31118	264.615	ug/l #	91
12) 1,1-Dichloroethene	3.90	96	67424	55.834	ug/l	87
13) Acrolein	3.75	56	290	2.022	ug/l #	35
14) Allyl chloride	4.51	41	85907	44.055	ug/l #	92
15) Acrylonitrile	5.19	53	84105	221.249	ug/l	100
16) Acetone	3.97	43	59795	204.132	ug/l	92
17) Carbon Disulfide	4.22	76	177859	44.349	ug/l	98
18) Methyl Acetate	4.51	43	132473	145.801	ug/l	90
19) Methyl tert-butyl Ether	5.25	73	185710	58.498	ug/l	98
20) Methylene Chloride	4.74	84	80798	56.119	ug/l	91
21) trans-1,2-Dichloroethene	5.25	96	67917	50.107	ug/l	91
22) Diisopropyl ether	6.15	45	203450	51.844	ug/l #	89
23) Vinyl Acetate	6.14	43	93311	37.312	ug/l #	71
24) 1,1-Dichloroethane	6.05	63	123707	55.421	ug/l	98
25) 2-Butanone	7.01	43	89287	192.609	ug/l	91
26) 2,2-Dichloropropane	7.00	77	94388	50.551	ug/l	95
27) cis-1,2-Dichloroethene	7.01	96	75430	51.051	ug/l	92
28) Bromochloromethane	7.36	49	44349	46.026	ug/l	84
29) Tetrahydrofuran	7.37	42	69846	227.936	ug/l #	87
30) Chloroform	7.53	83	114080	54.218	ug/l	97
31) Cyclohexane	7.80	56	82913	35.387	ug/l	91
32) 1,1,1-Trichloroethane	7.72	97	91804	52.420	ug/l	97
36) 1,1-Dichloropropene	7.94	75	76961	47.967	ug/l	96
37) Ethyl Acetate	7.10	43	6271	6.842	ug/l #	78
38) Carbon Tetrachloride	7.92	117	73135	53.290	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	66289	30.372	ug/l	91
40) Benzene	8.18	78	275960	56.689	ug/l	100
41) Methacrylonitrile	7.35	41	18755m	34.686	ug/l	
42) 1,2-Dichloroethane	8.25	62	61847	51.289	ug/l	94
43) Isopropyl Acetate	8.29	43	18476	11.052	ug/l #	58
44) Trichloroethene	8.96	130	67241	46.982	ug/l	91
45) 1,2-Dichloropropane	9.23	63	68309	56.556	ug/l	99
46) Dibromomethane	9.32	93	33799	53.520	ug/l	97
47) Bromodichloromethane	9.51	83	77421	53.429	ug/l #	98
48) Methyl methacrylate	9.30	41	32658	43.569	ug/l	86
49) 1,4-Dioxane	9.30	88	11765	1316.998	ug/l	90
51) 4-Methyl-2-Pentanone	10.08	43	169194	194.235	ug/l	92
52) Toluene	10.25	92	140308	47.827	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	65739	41.639	ug/l	95
54) cis-1,3-Dichloropropene	9.94	75	84251	44.387	ug/l	94
55) 1,1,2-Trichloroethane	10.66	97	51429	55.625	ug/l	98
56) Ethyl methacrylate	10.52	69	5654	4.285	ug/l #	75
57) 1,3-Dichloropropane	10.80	76	83816	51.576	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	152652	223.388	ug/l	95
59) 2-Hexanone	10.84	43	88898	147.048	ug/l	90
60) Dibromochloromethane	10.99	129	49560	50.270	ug/l	99
61) 1,2-Dibromoethane	11.10	107	42138	47.873	ug/l	99
64) Tetrachloroethene	10.73	164	58692	53.704	ug/l	98
65) Chlorobenzene	11.52	112	112615	50.118	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	52104	70.233	ug/l	99
67) Ethyl Benzene	11.60	91	218630	53.148	ug/l	99
68) m/p-Xylenes	11.71	106	152413	98.923	ug/l	97
69) o-Xylene	12.03	106	78465	54.245	ug/l	94
70) Styrene	12.05	104	103278	41.154	ug/l	98
71) Bromoform	12.22	173	23774	58.928	ug/l #	99
73) Isopropylbenzene	12.33	105	176967	77.601	ug/l	98
74) N-amyl acetate	12.14	43	1229	1.899	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	31612	114.575	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	32737m	97.120	ug/l	
77) Bromobenzene	12.61	156	34134	68.033	ug/l	99
78) n-propylbenzene	12.67	91	172947	60.978	ug/l	99
79) 2-Chlorotoluene	12.76	91	97341	63.153	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	127843	67.785	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	13553	78.202	ug/l	97
82) 4-Chlorotoluene	12.86	91	88294	54.654	ug/l	97
83) tert-Butylbenzene	13.08	119	107495	68.045	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	116150	61.673	ug/l	100
85) sec-Butylbenzene	13.26	105	109263	46.429	ug/l	99
86) p-Isopropyltoluene	13.38	119	15672	7.738	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	47427	48.776	ug/l	96
88) 1,4-Dichlorobenzene	13.45	146	45138	45.732	ug/l	98
89) n-Butylbenzene	13.70	91	47433	22.847	ug/l	98
90) Hexachloroethane	13.97	117	21095	54.655	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	42841	48.488	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.36	75	4837	72.487	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	13261	22.962	ug/l	99
94) Hexachlorobutadiene	15.12	225	7167	24.640	ug/l	97
95) Naphthalene	15.25	128	35083	27.745	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	11095	22.125	ug/l	99

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

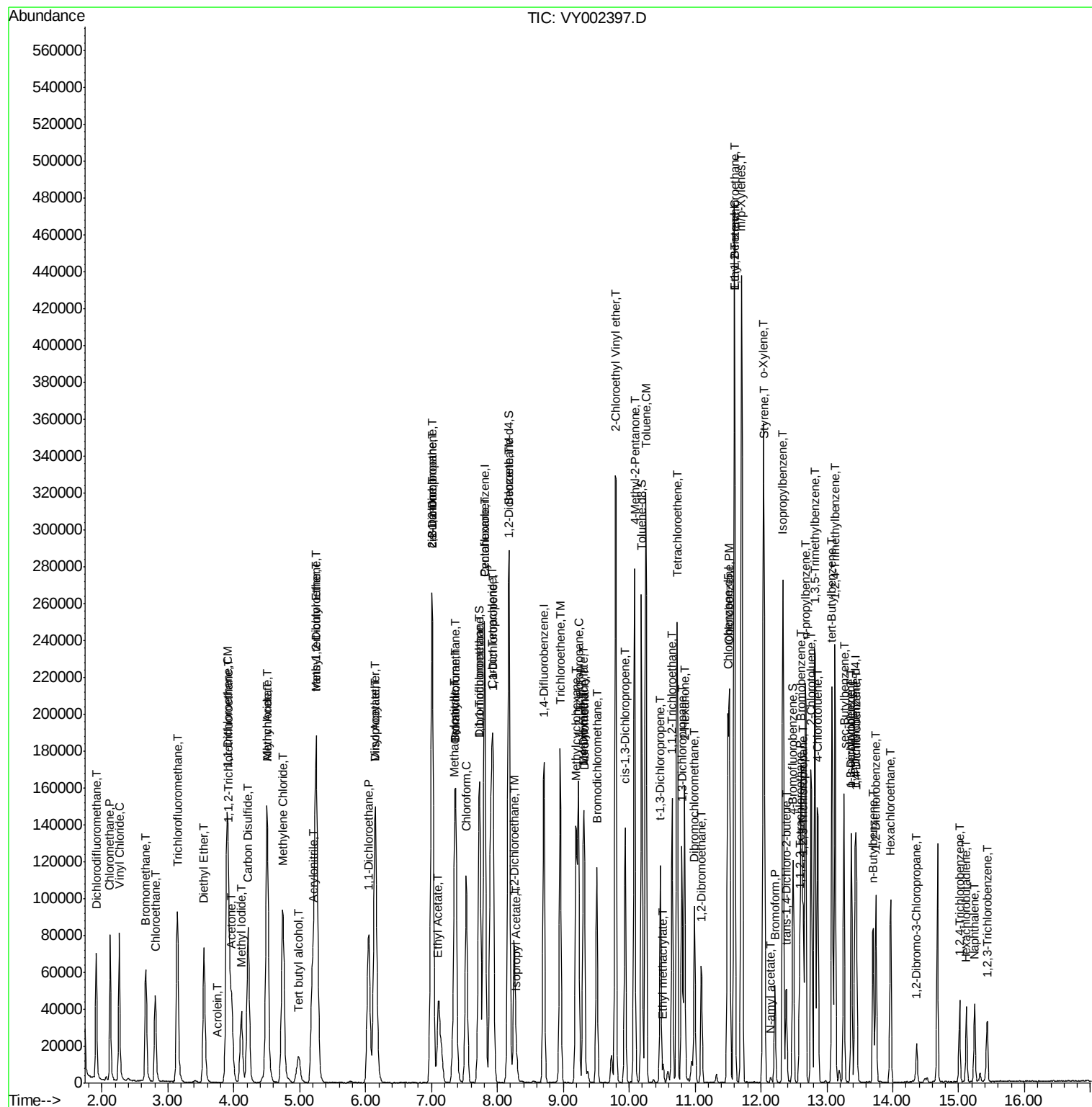
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
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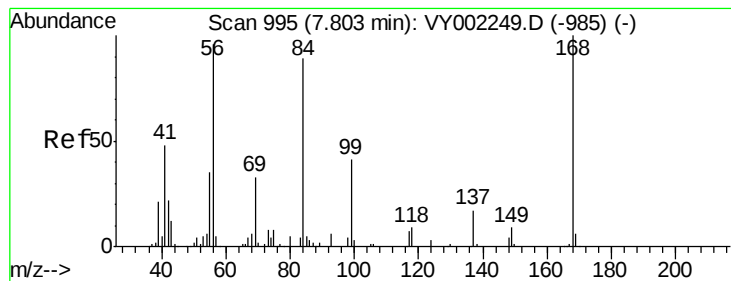
Instrument :
 MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Instrument :

MSVOA_Y

ClientSampleId :

BG-4MS

Tot Ion:168 Resp: 100008

Ion Ratio Lower Upper

168 100

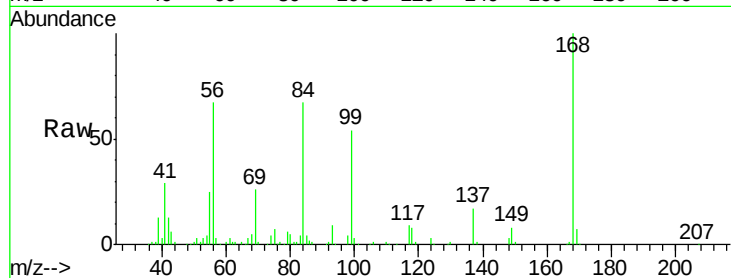
99 53.9 48.0 72.0

Manual Integrations

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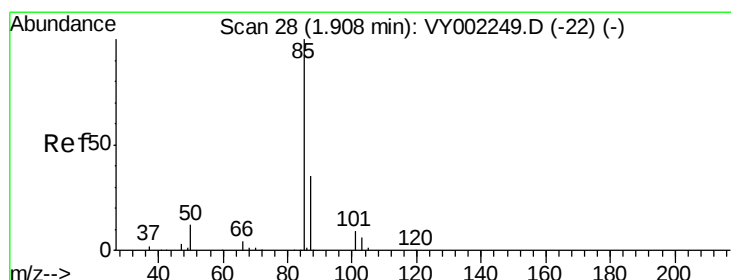
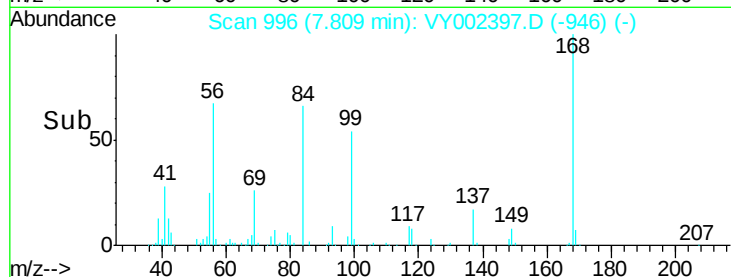


Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.81

Time-->



#2

Dichlorodifluoromethane

Concen: 57.074 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002397.D

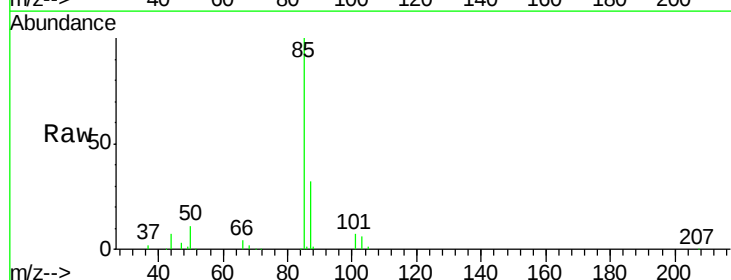
Acq: 17 Apr 2020 14:28

Tgt Ion: 85 Resp: 57687

Ion Ratio Lower Upper

85 100

87 31.7 17.3 51.9

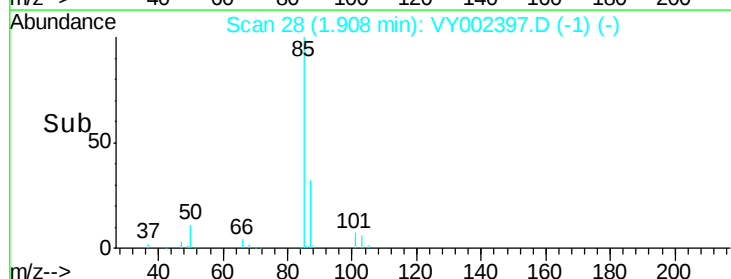


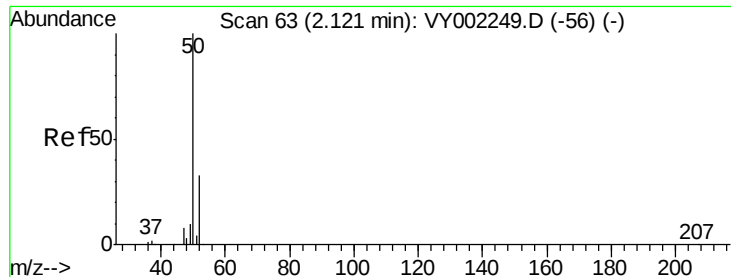
Abundance Ion 84.90 (84.60 to 85.60): VY002249.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002249.D (-22) (-)

1.91

Time-->





#3

Chloromethane

Concen: 57.303 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.00 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Instrument :

MSVOA_Y

ClientSampleId :

BG-4MS

Tot Ion: 50 Resp: 72894

Ion Ratio Lower Upper

50 100

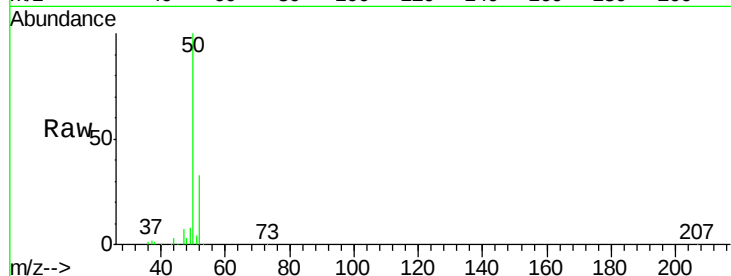
52 33.1 26.6 39.8

Manual Integrations

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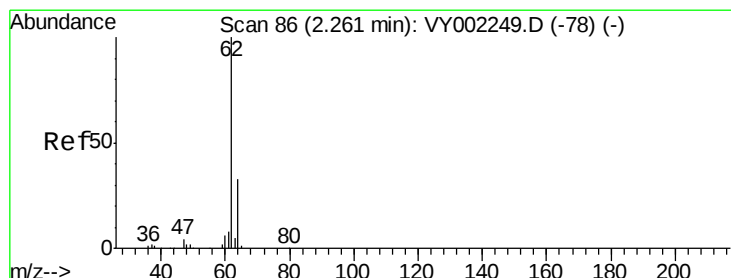
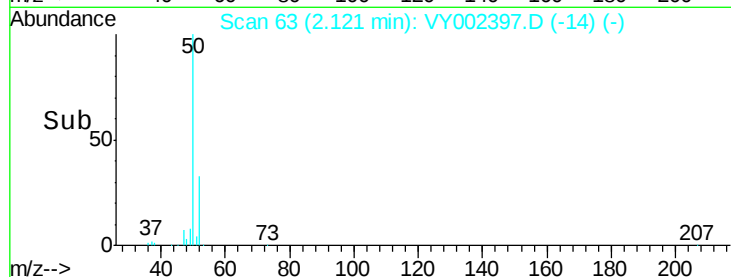
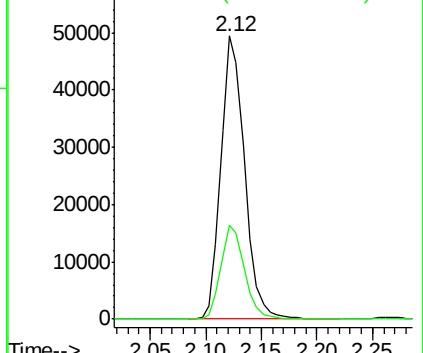
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 56.677 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY002397.D

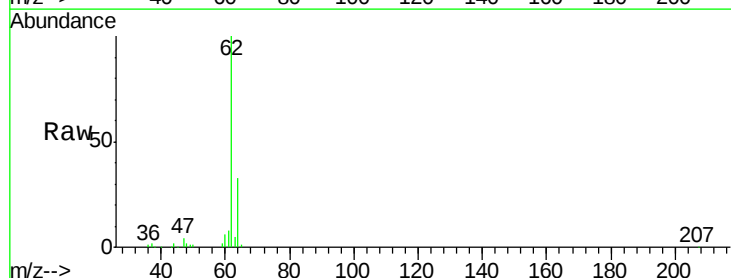
Acq: 17 Apr 2020 14:28

Tgt Ion: 62 Resp: 76739

Ion Ratio Lower Upper

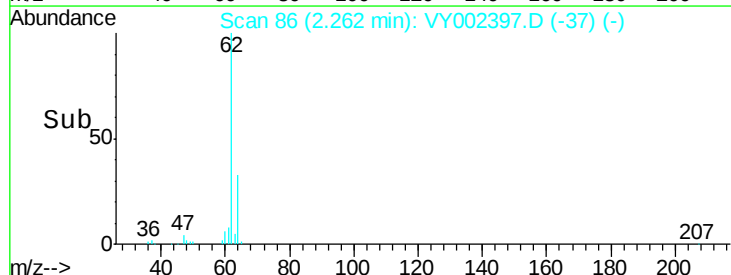
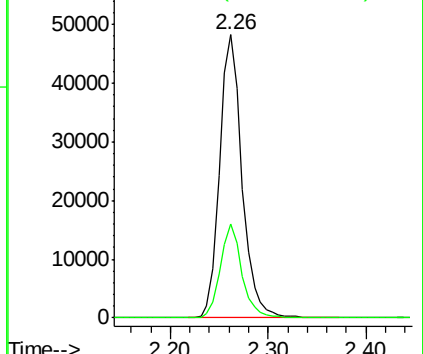
62 100

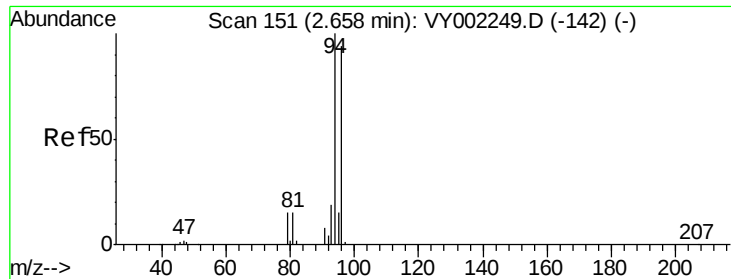
64 33.2 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 52.692 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Instrument :

MSVOA_Y

ClientSampleId :

BG-4MS

Tot Ion: 94 Resp: 44057

Ion Ratio Lower Upper

94 100

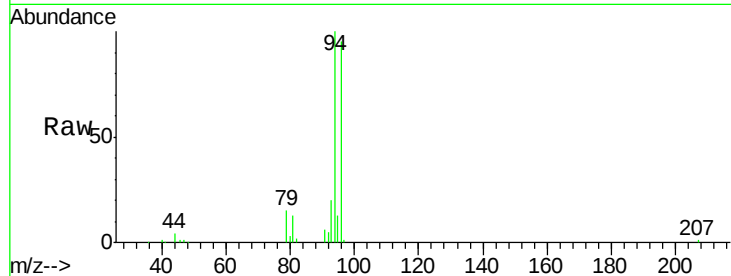
96 94.9 75.6 113.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

25000

20000

15000

10000

5000

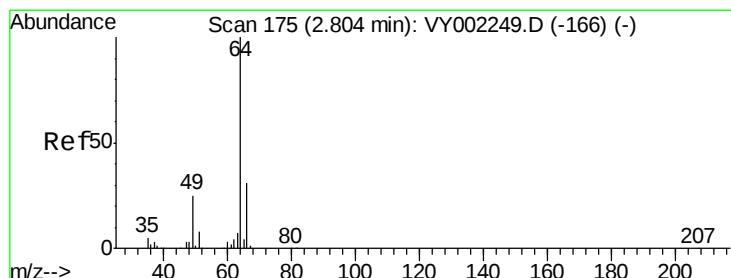
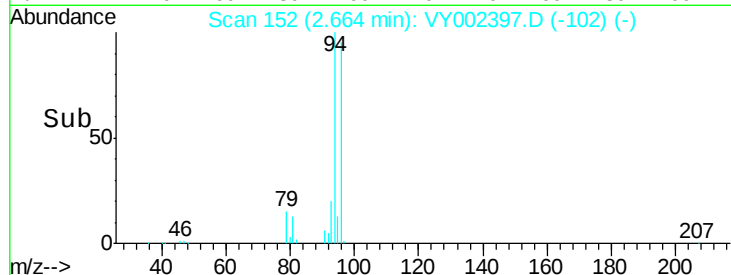
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Time-->

2.60

2.70

2.80



#6

Chloroethane

Concen: 60.141 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY002397.D

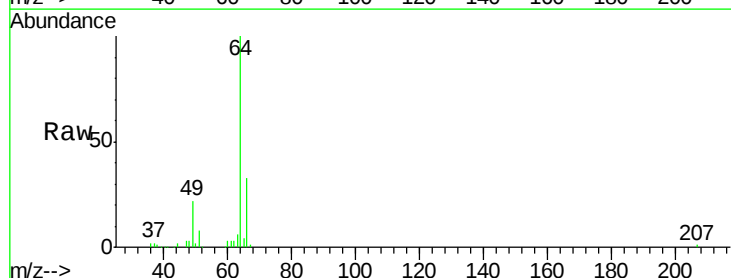
Acq: 17 Apr 2020 14:28

Tgt Ion: 64 Resp: 46962

Ion Ratio Lower Upper

64 100

66 32.8 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

25000

20000

15000

10000

5000

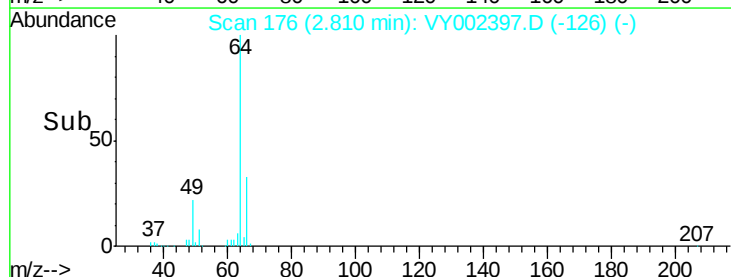
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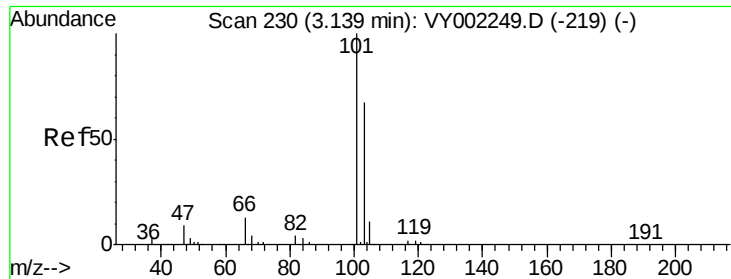
Time-->

2.70

2.80

2.90





#7

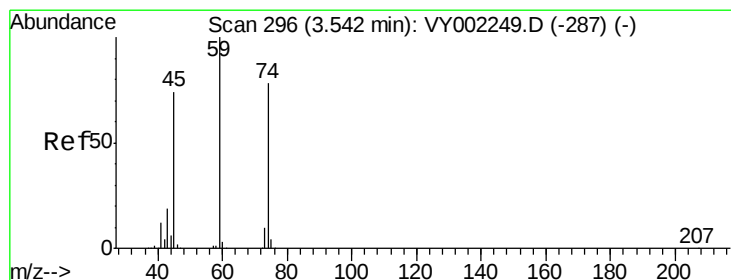
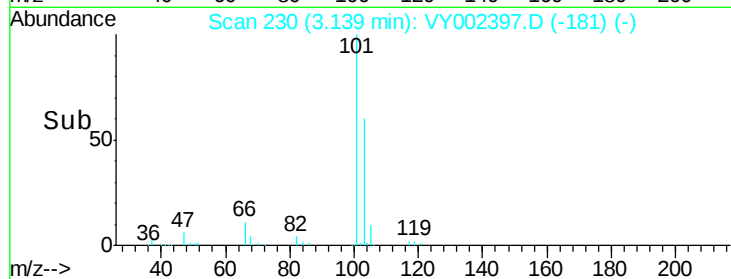
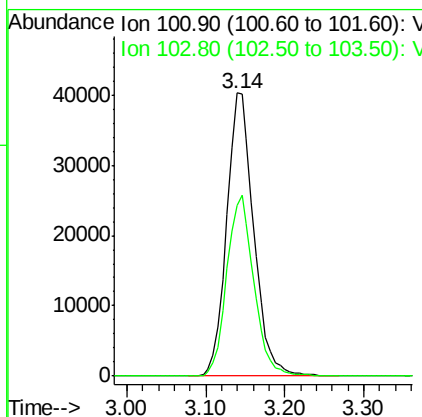
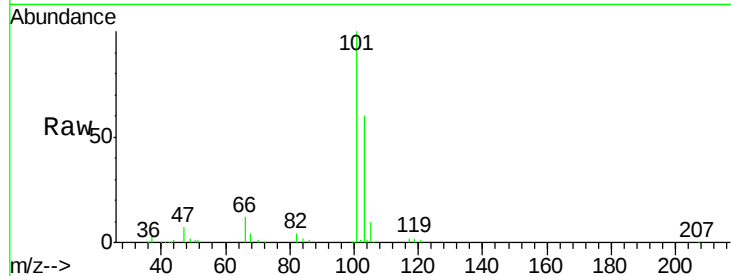
Trichlorofluoromethane
 Concen: 54.855 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.1	53.3	79.9

Manual Integrations
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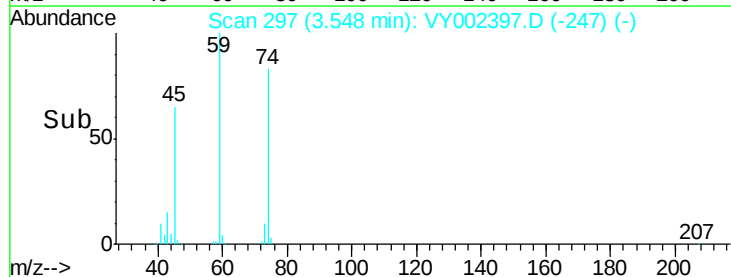
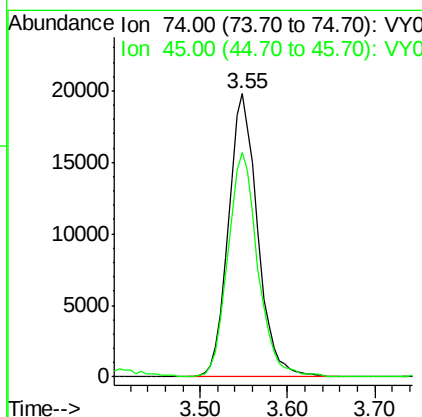
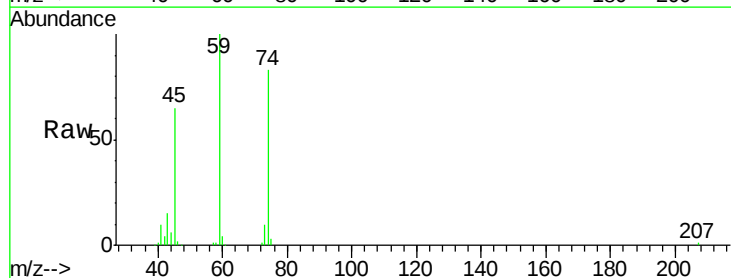
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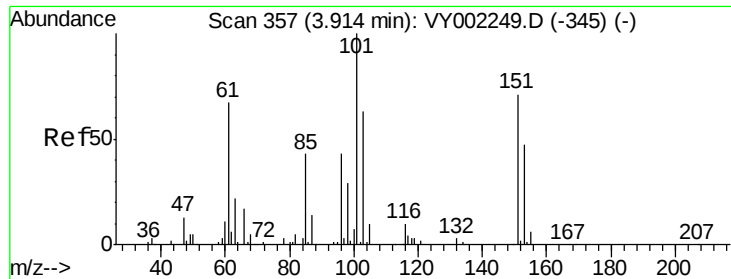


#8

Diethyl Ether
 Concen: 61.728 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. 0.01 min
 Lab File: VY002397.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.4	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.078 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Instrument :

MSVOA_Y

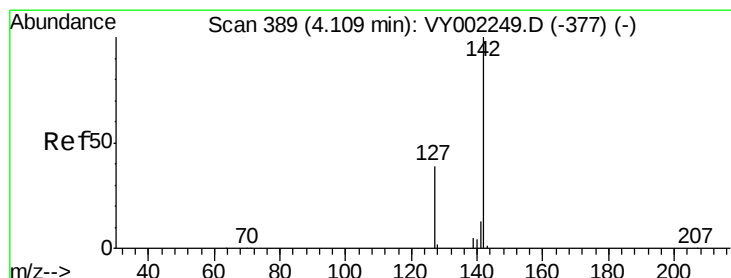
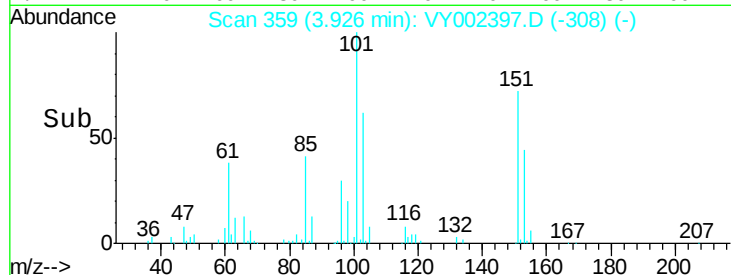
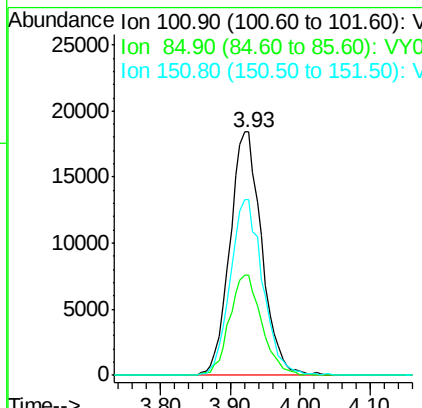
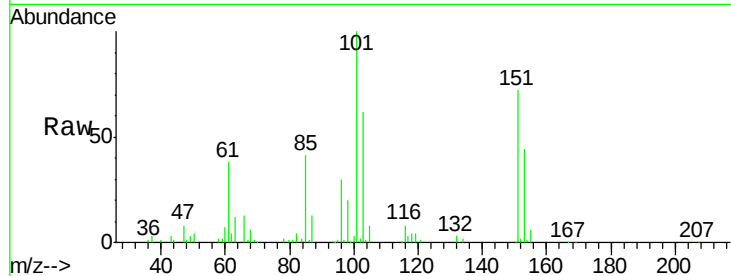
ClientSampleId :

BG-4MS

Tot Ion:	101	Resp:	58293
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.6	52.0
151	73.4	57.6	86.4

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#10

Methyl Iodide

Concen: 48.089 ug/l

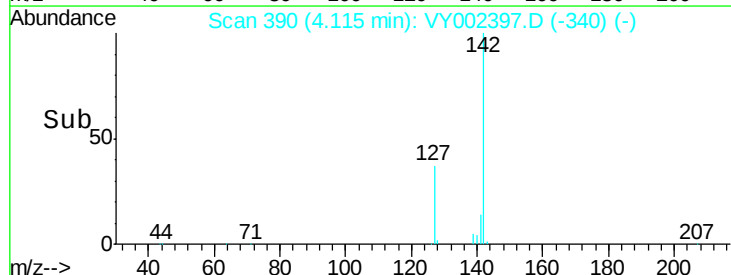
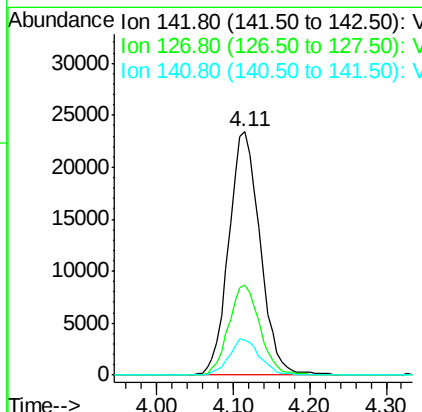
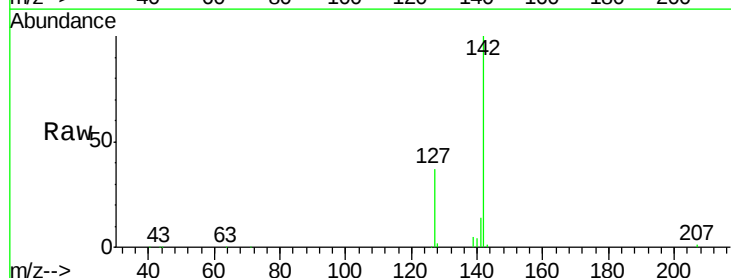
RT: 4.11 min Scan# 390

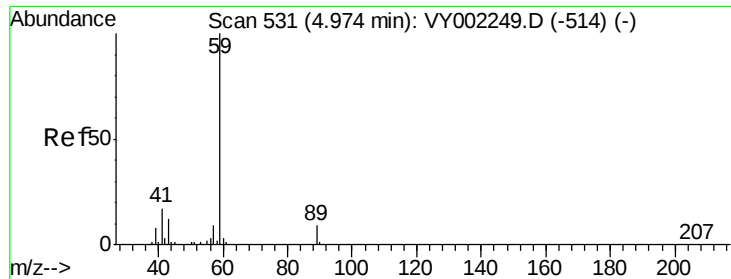
Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Tgt Ion:	142	Resp:	66394
Ion Ratio	Lower	Upper	
142	100		
127	36.9	32.4	48.6
141	14.4	11.2	16.8





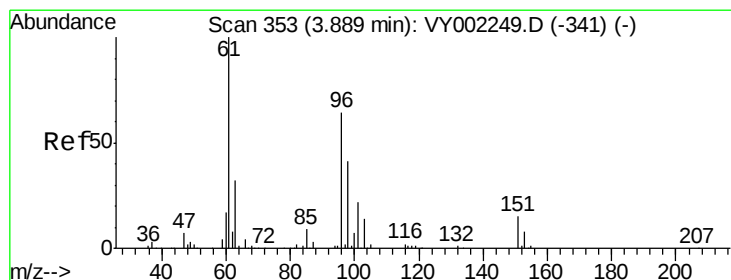
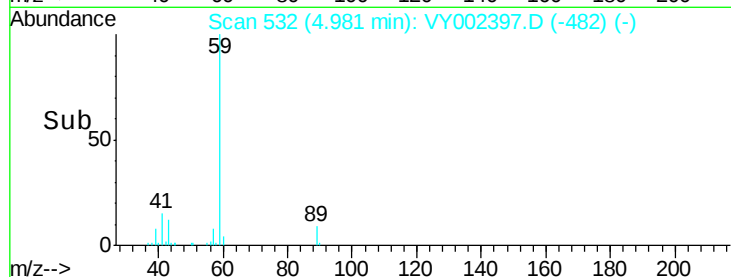
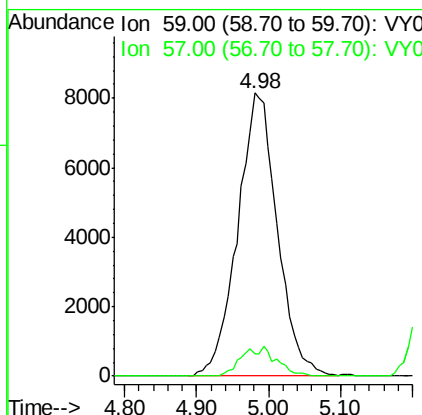
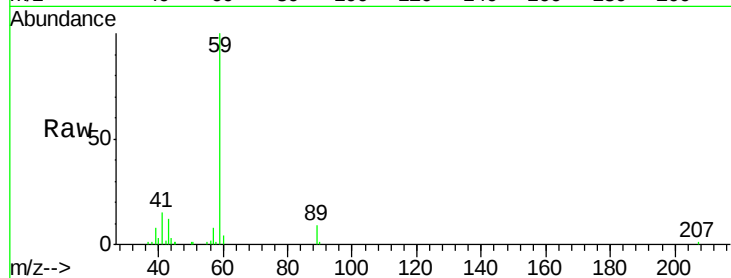
#11
Tert butyl alcohol
Concen: 264.615 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion	Ratio	Resp	Lower	Upper
59	100	31118		
57	4.9	6.6	9.8#	

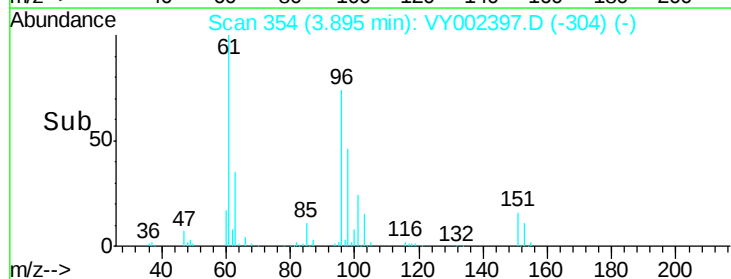
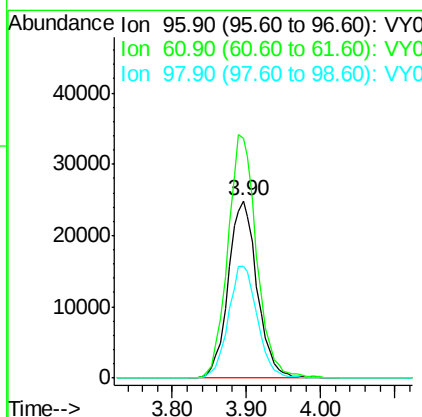
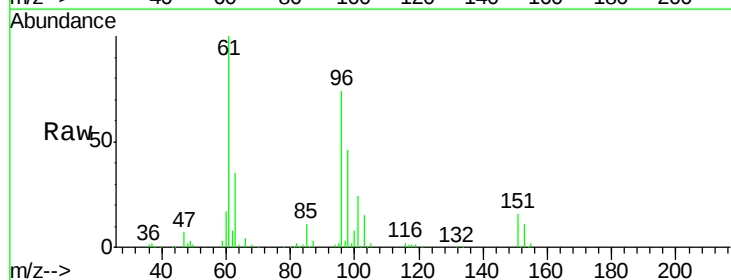
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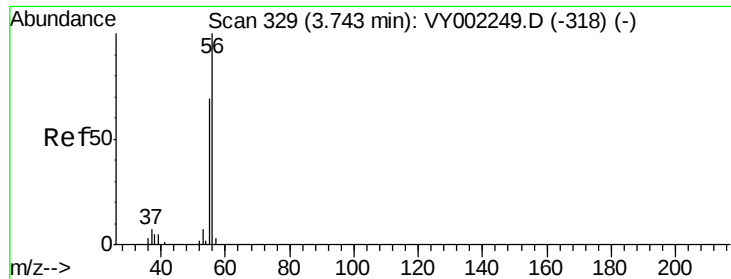
MMDadoda
4/20/2020 11:41:11 AM



#12
1,1-Dichloroethene
Concen: 55.834 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	67424		
61	134.9	125.9	188.9	
98	62.7	51.1	76.7	





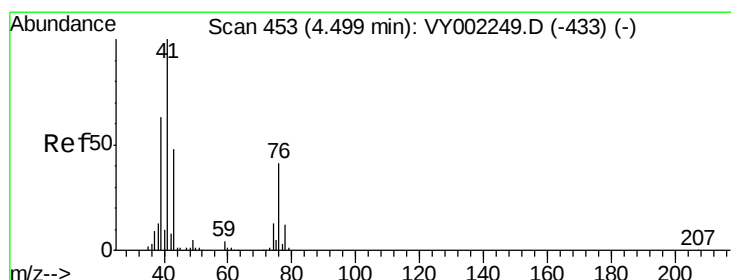
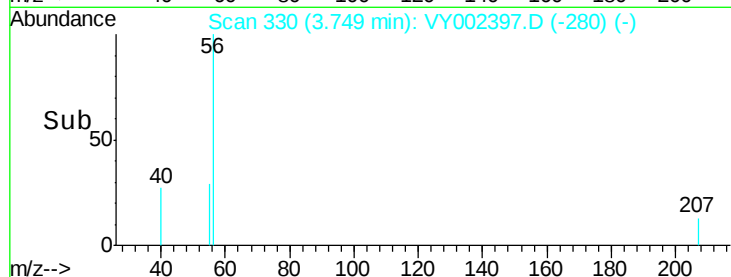
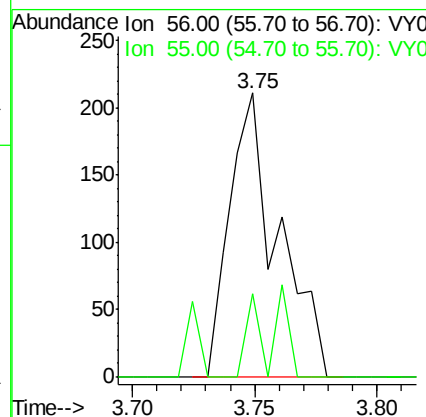
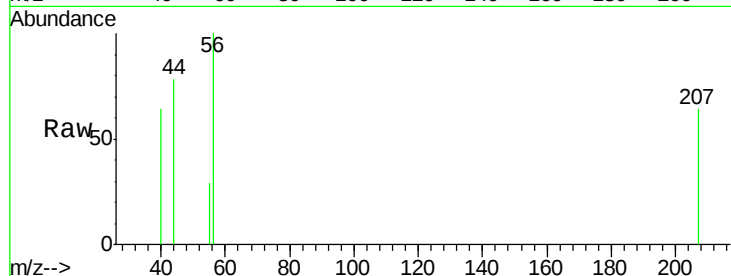
#13
Acrolein
Concen: 2.022 ug/l
RT: 3.75 min Scan# 330
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion: 56 Resp: 290
Ion Ratio Lower Upper
56 100
55 16.6 55.8 83.8#

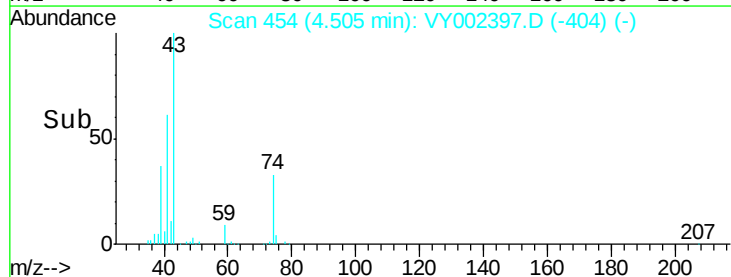
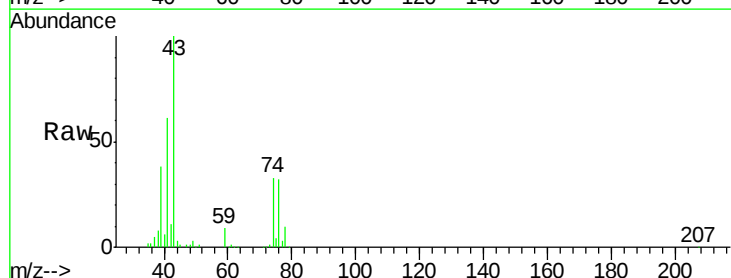
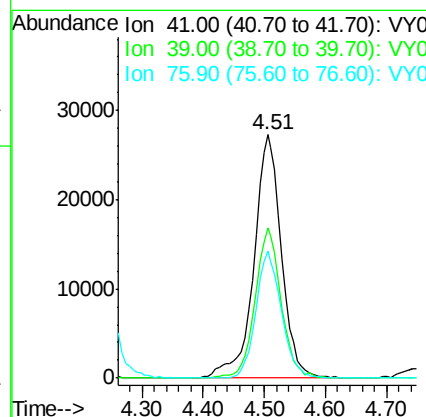
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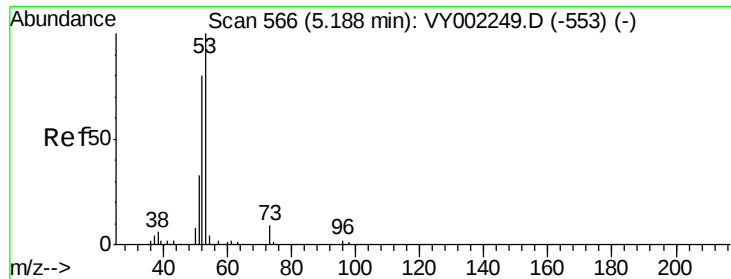
MMDadoda
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#14
Allyl chloride
Concen: 44.055 ug/l
RT: 4.51 min Scan# 454
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Tgt Ion: 41 Resp: 85907
Ion Ratio Lower Upper
41 100
39 58.3 48.0 72.0
76 48.5 31.0 46.6#





#15

Acrylonitrile

Concen: 221.249 ug/l

RT: 5.19 min Scan# 567

Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Instrument :

MSVOA_Y

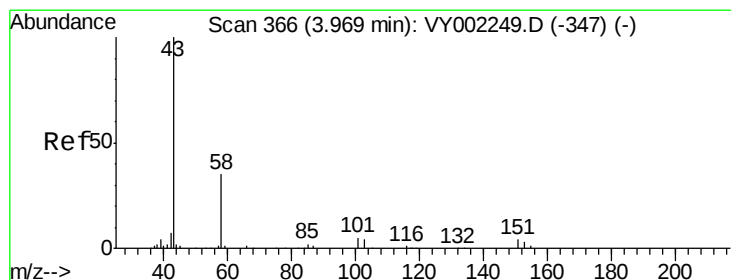
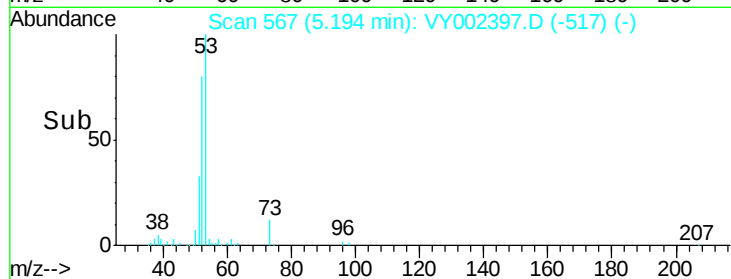
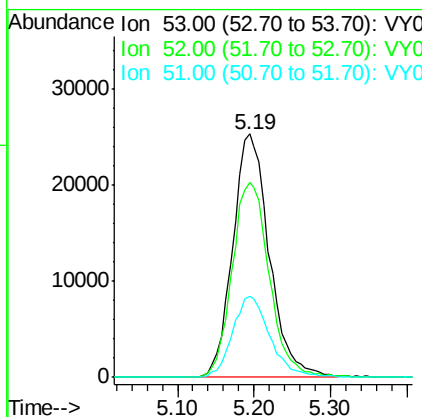
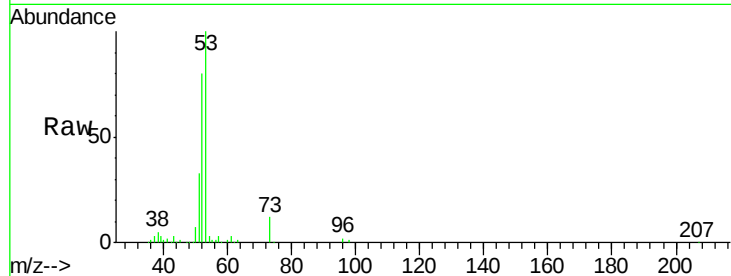
ClientSampleId :

BG-4MS

Tot Ion:	53	Resp:	84105
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.1	97.7
51	34.2	27.1	40.7

Manual Integrations
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#16

Acetone

Concen: 204.132 ug/l

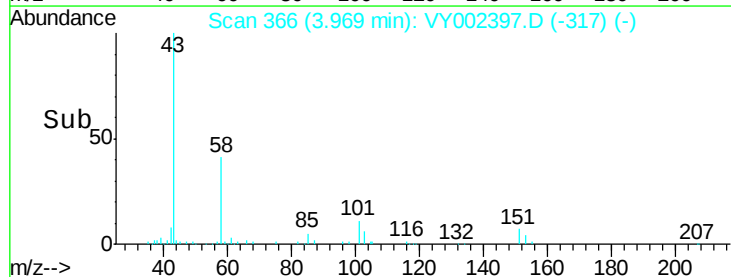
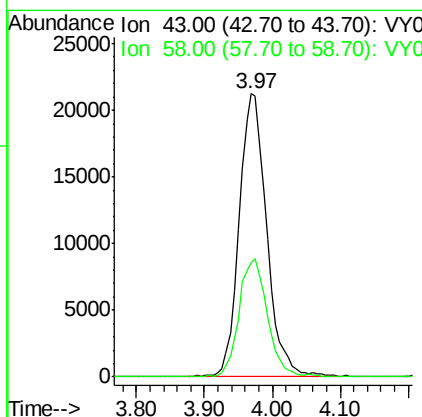
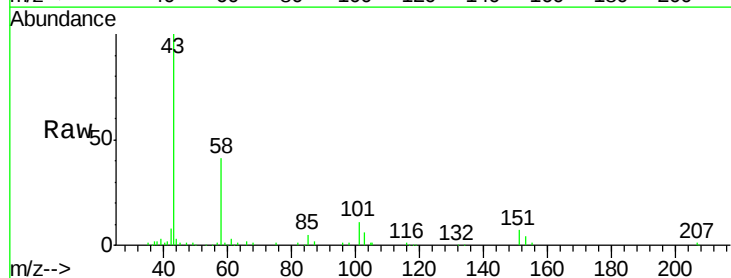
RT: 3.97 min Scan# 366

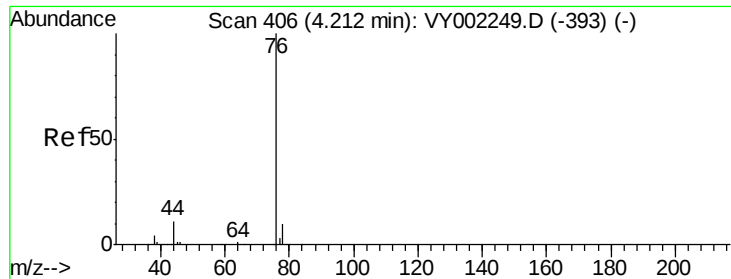
Delta R.T. 0.00 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Tgt Ion:	43	Resp:	59795
Ion Ratio	Lower	Upper	
43	100		
58	40.5	28.5	42.7





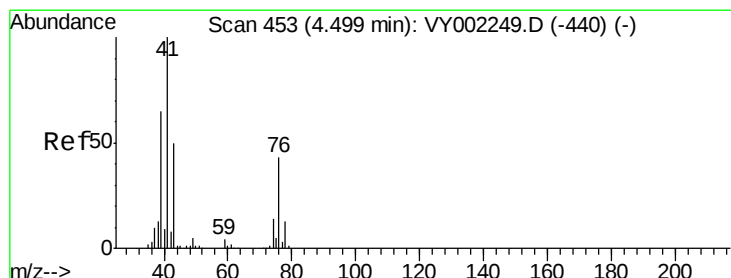
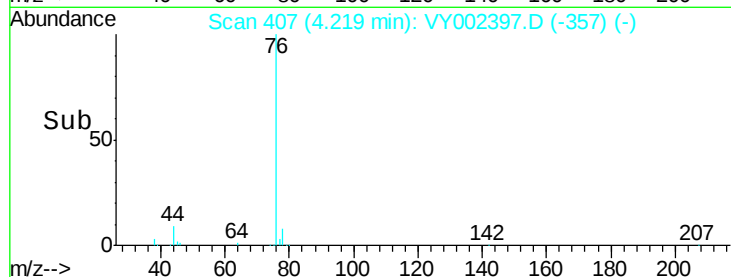
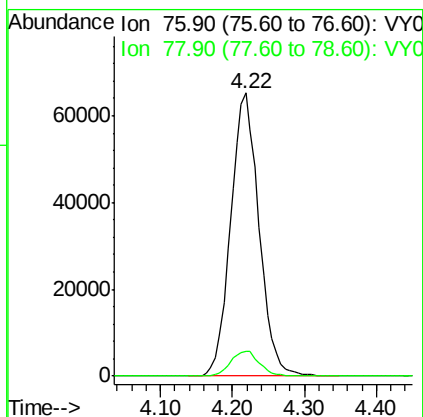
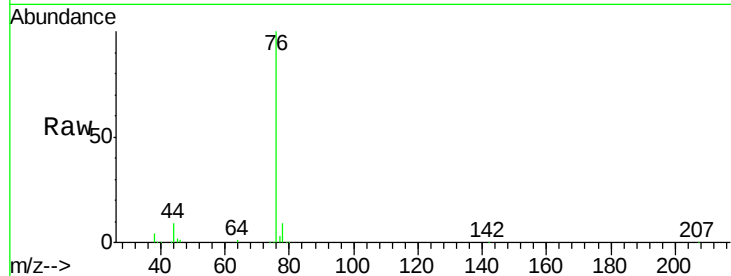
#17
Carbon Disulfide
Concen: 44.349 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.7	11.5

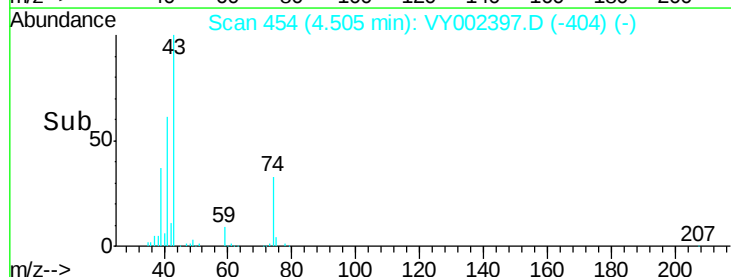
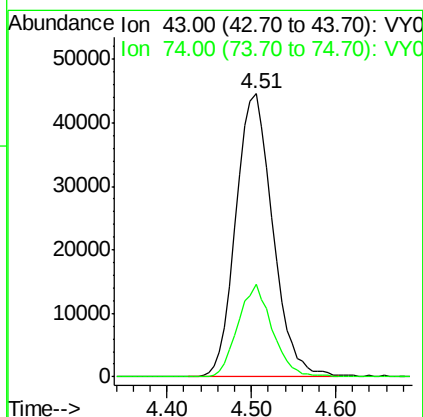
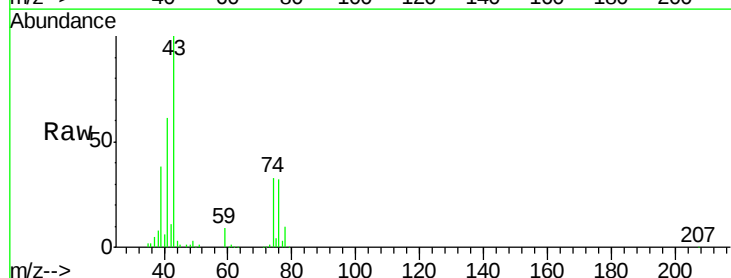
Manual Integrations
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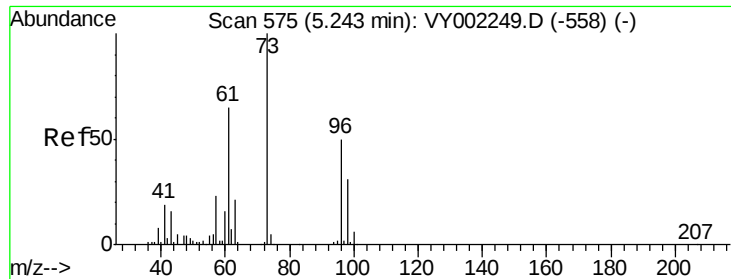
MMDadoda
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#18
Methyl Acetate
Concen: 145.801 ug/l
RT: 4.51 min Scan# 454
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.5	20.3	30.5





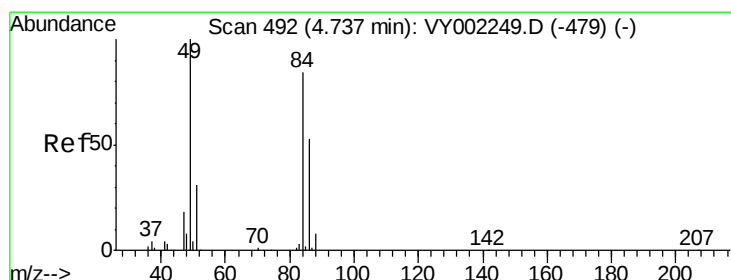
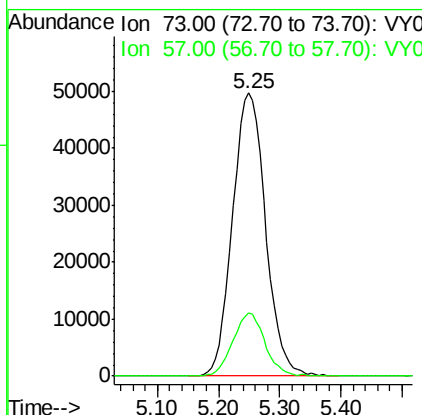
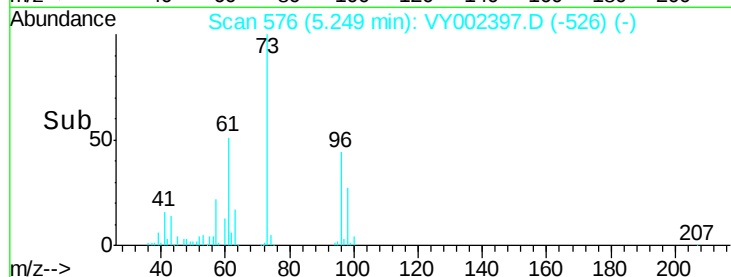
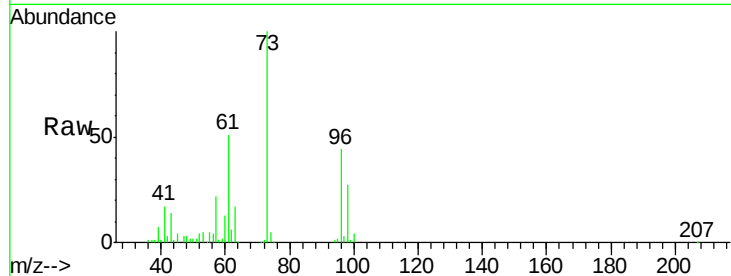
#19
Methvl tert-butvl Ether
Concen: 58.498 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion: 73 Resp: 185710
Ion Ratio Lower Upper
73 100
57 22.5 18.7 28.1

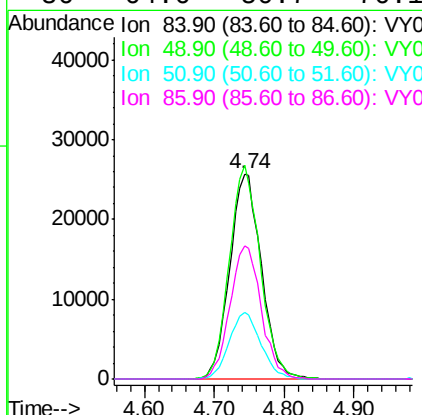
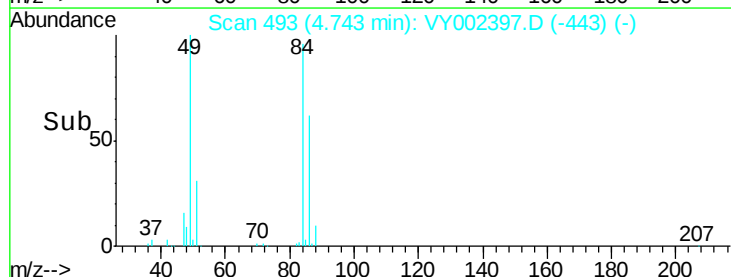
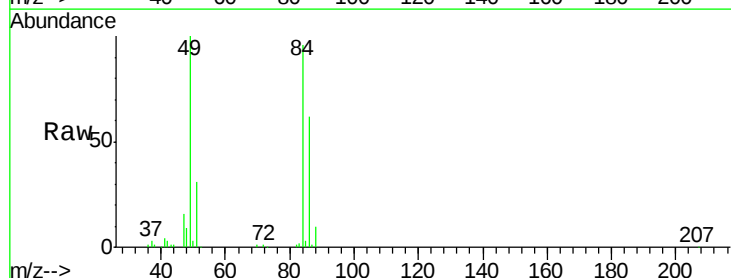
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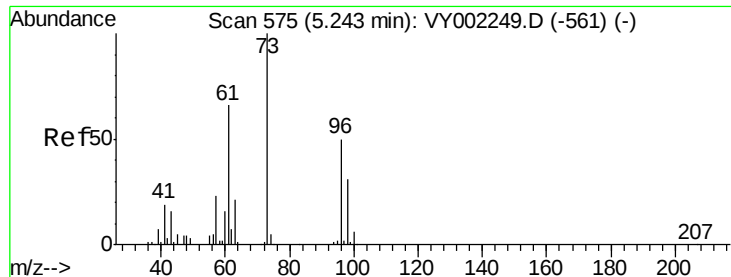
MMDadoda
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#20
Methylene Chloride
Concen: 56.119 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Tgt Ion: 84 Resp: 80798
Ion Ratio Lower Upper
84 100
49 104.0 95.5 143.3
51 32.7 29.5 44.3
86 64.6 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 50.107 ug/l

RT: 5.25 min Scan# 576

Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Instrument :

MSVOA_Y

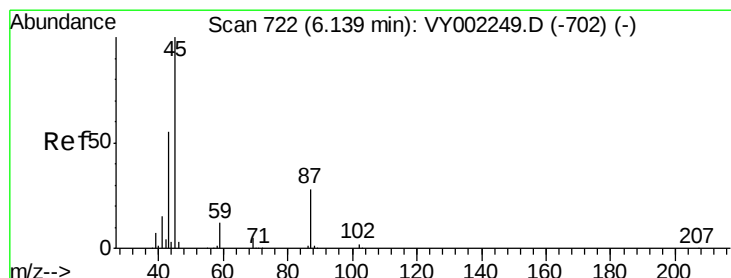
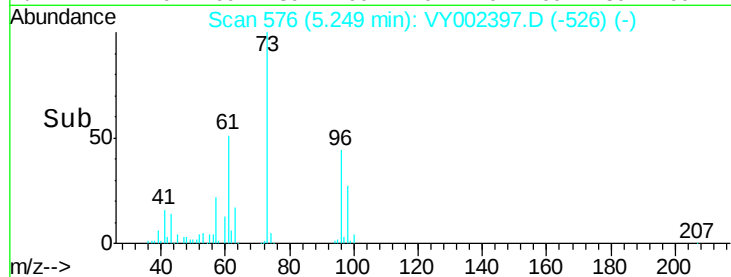
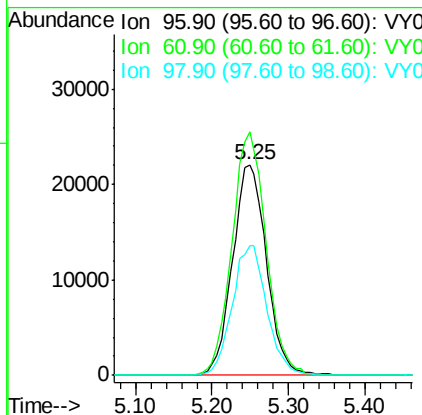
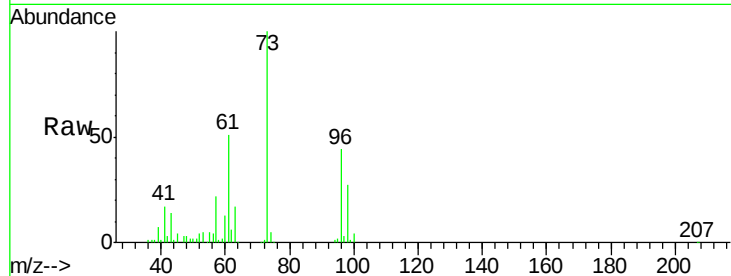
ClientSampled :

BG-4MS

Tot Ion:	96	Resp:	67917
Ion	Ratio	Lower	Upper
96	100		
61	115.7	104.6	157.0
98	61.4	50.1	75.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.844 ug/l

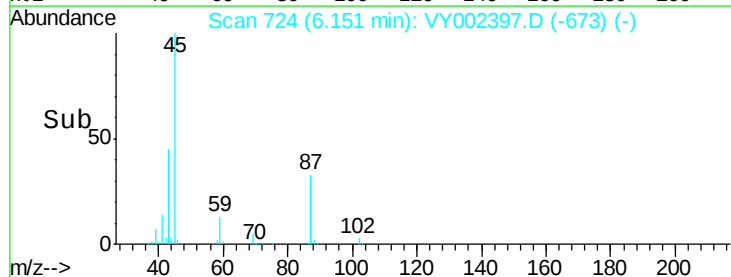
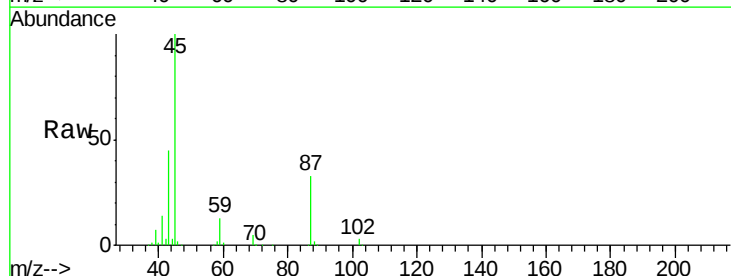
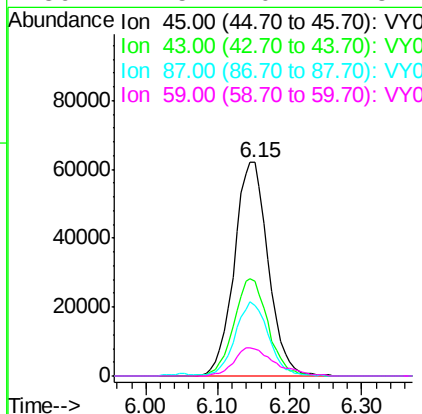
RT: 6.15 min Scan# 724

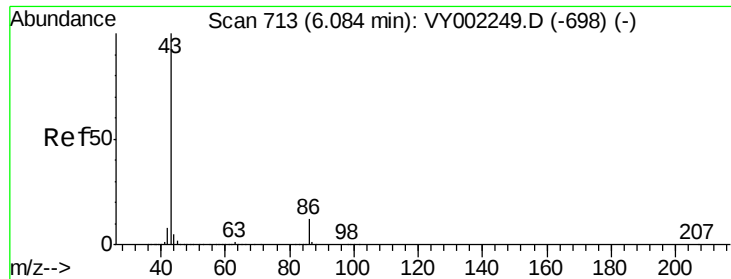
Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Tgt Ion:	45	Resp:	203450
Ion	Ratio	Lower	Upper
45	100		
43	44.6	44.7	67.1#
87	33.1	23.0	34.4
59	12.5	10.1	15.1





#23

Vinyl Acetate

Concen: 37.312 ug/l

RT: 6.14 min Scan# 723

Delta R.T. 0.06 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Instrument :

MSVOA_Y

ClientSampleId :

BG-4MS

Tot Ion: 43 Resp: 93311

Ion Ratio Lower Upper

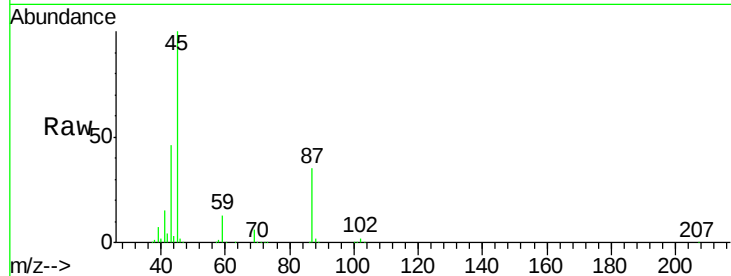
43 100

86 0.3 9.2 13.8#

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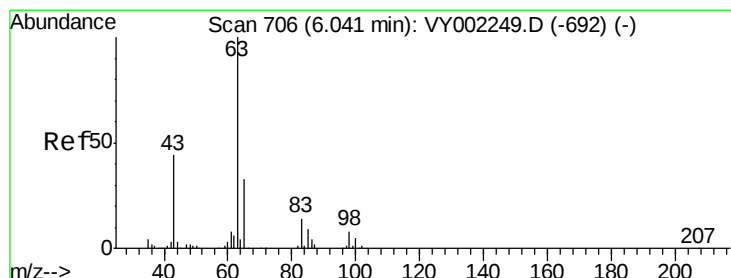
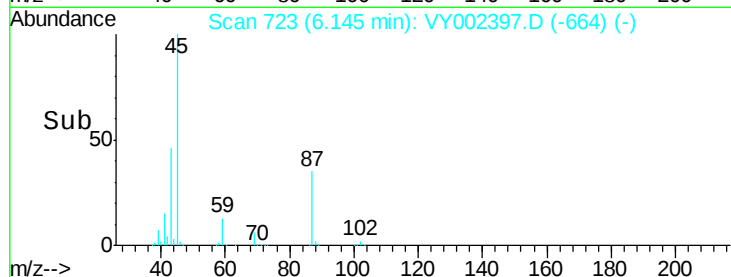
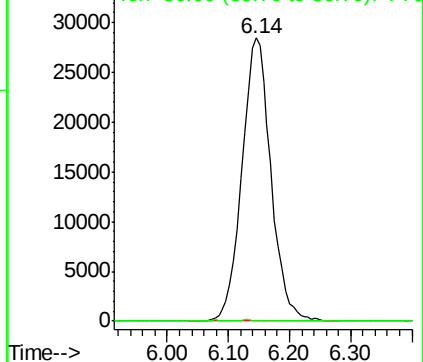
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 55.421 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

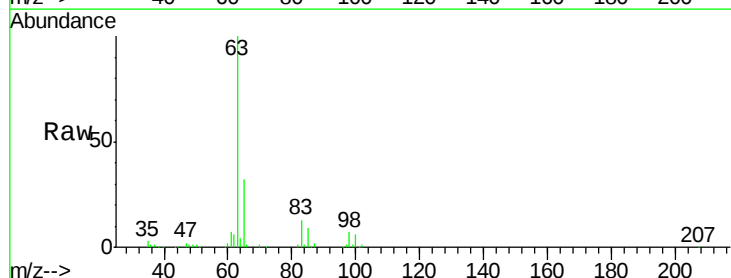
Tgt Ion: 63 Resp: 123707

Ion Ratio Lower Upper

63 100

98 7.4 4.0 12.0

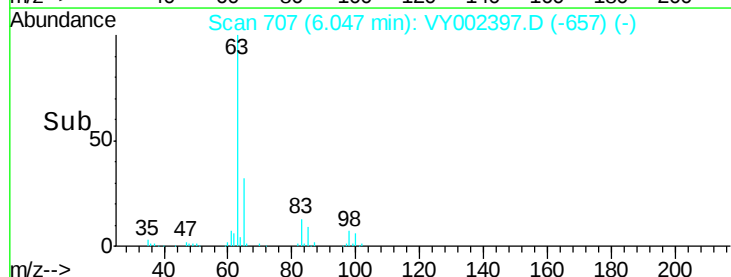
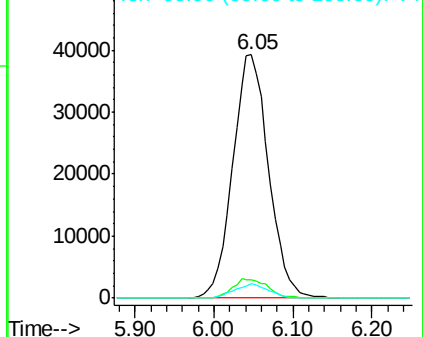
100 5.8 2.4 7.1

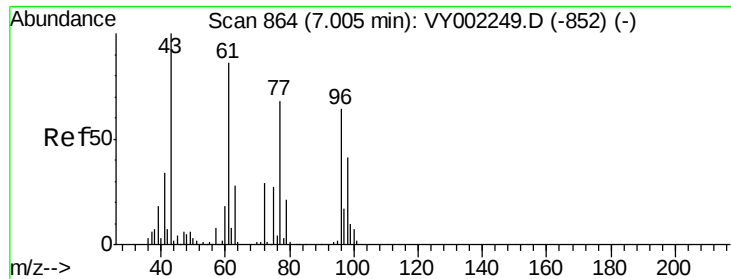


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 192.609 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Instrument :

MSVOA_Y

ClientSampleId :

BG-4MS

Tot Ion: 43 Resp: 89287

Ion Ratio Lower Upper

43 100

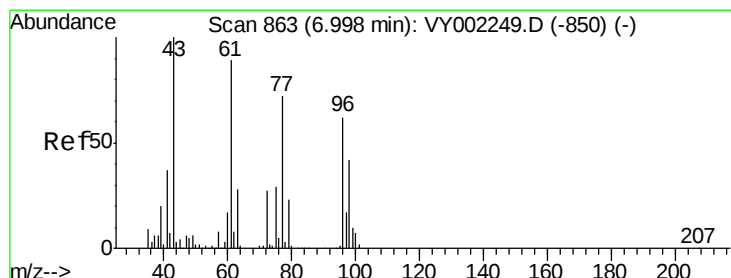
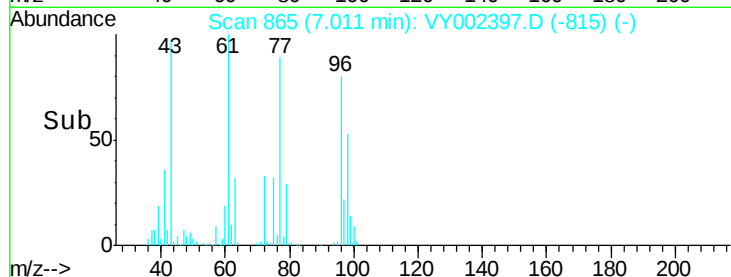
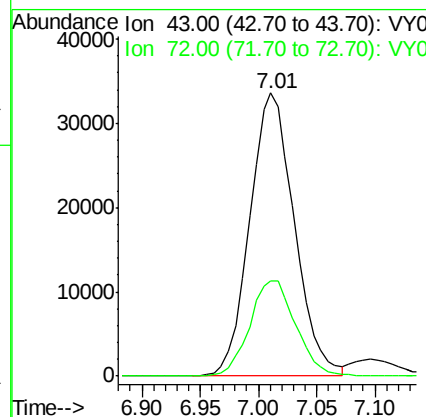
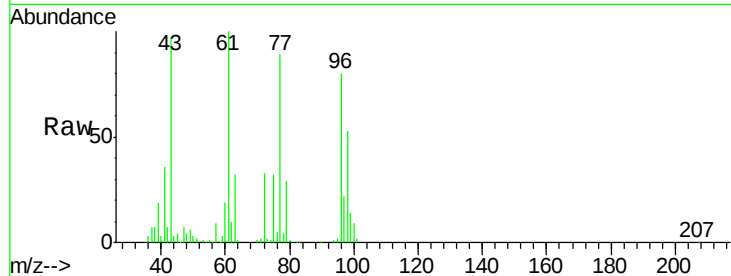
72 33.9 23.2 34.8

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#26

2,2-Dichloropropane

Concen: 50.551 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY002397.D

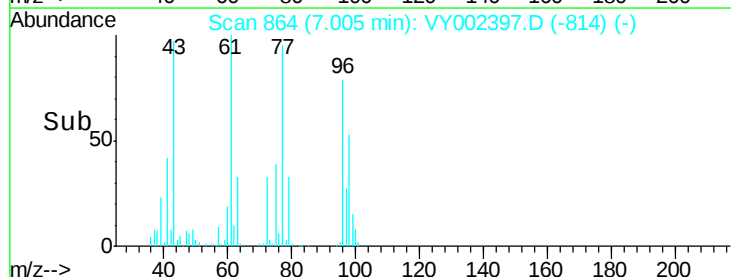
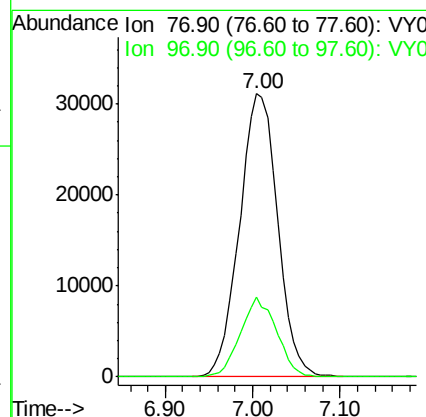
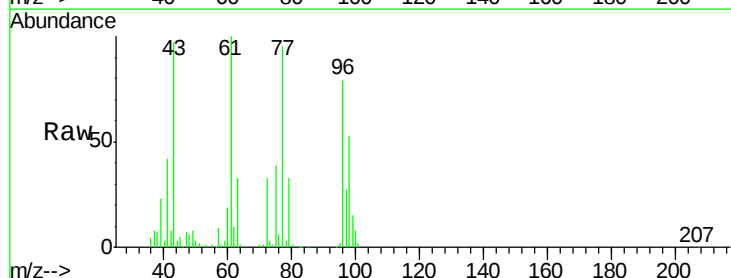
Acq: 17 Apr 2020 14:28

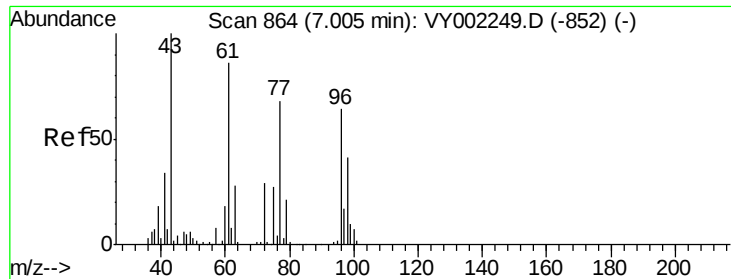
Tgt Ion: 77 Resp: 94388

Ion Ratio Lower Upper

77 100

97 26.7 12.2 36.6





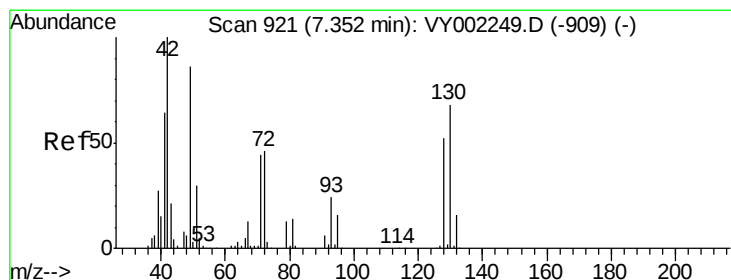
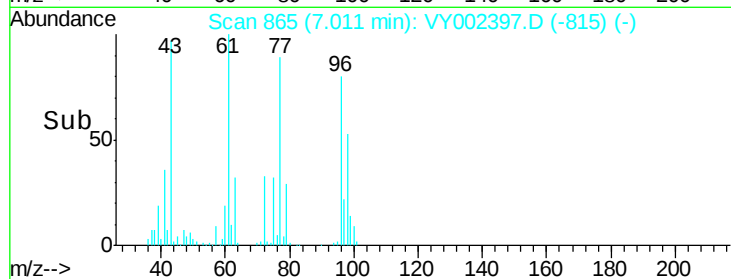
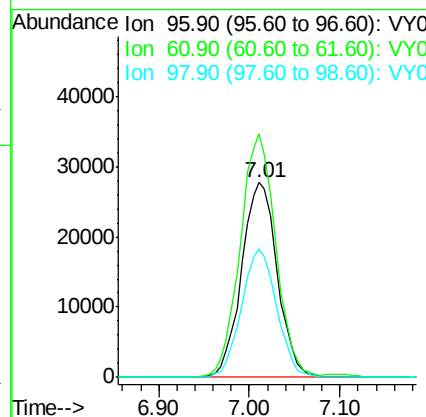
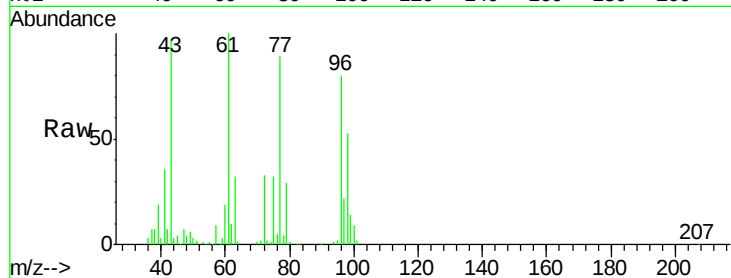
#27
 cis-1,2-Dichloroethene
 Concen: 51.051 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	124.6	0.0	278.0	
98	65.2	0.0	128.6	

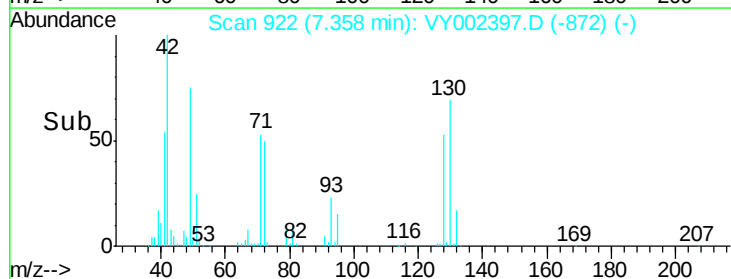
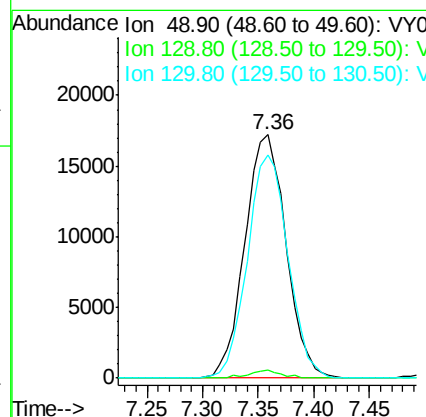
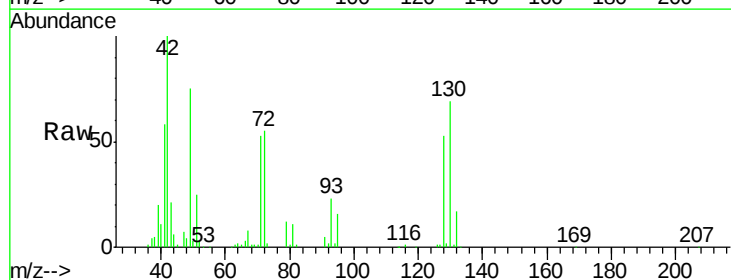
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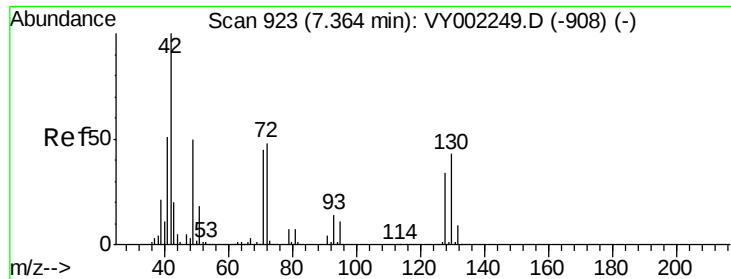
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#28
 Bromochloromethane
 Concen: 46.026 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	4.2	
130	90.5	60.9	91.3	





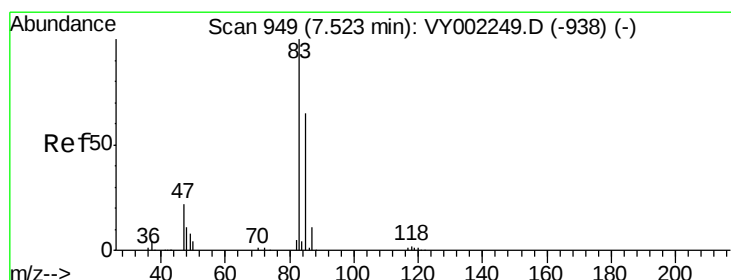
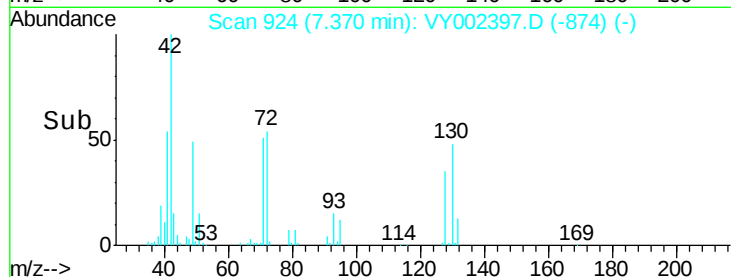
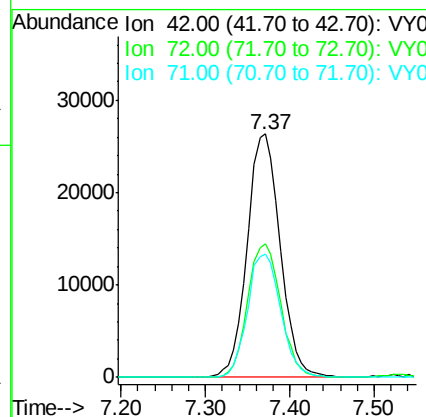
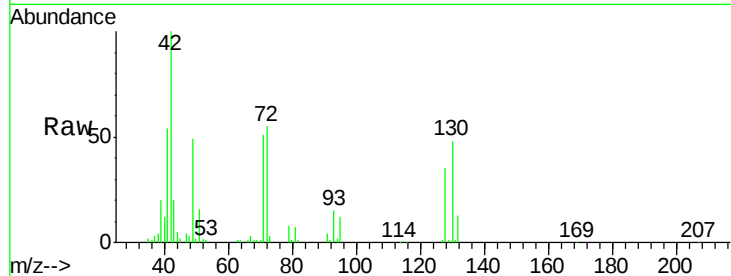
#29
Tetrahydrofuran
Concen: 227.936 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Instrument :
MSVOA_Y
ClientSampled :
BG-4MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.1	36.7	55.1#
71	50.9	34.7	52.1

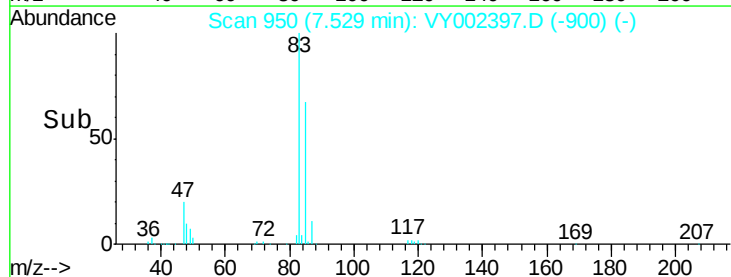
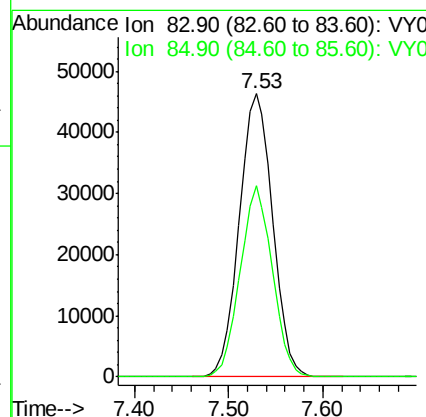
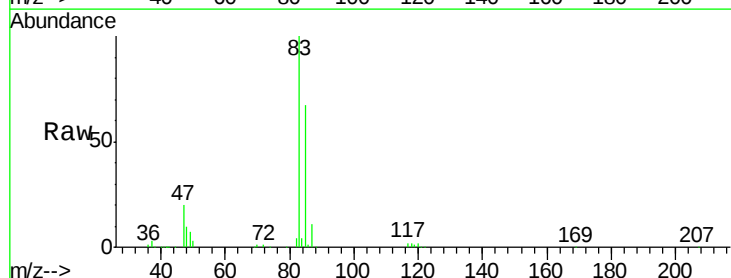
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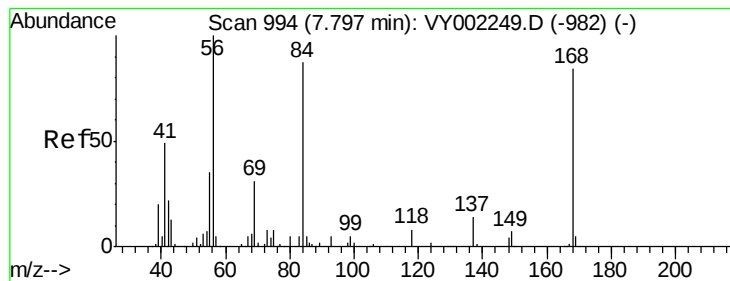
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#30
Chloroform
Concen: 54.218 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	52.0	78.0





#31

Cyclohexane

Concen: 35.387 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Instrument :

MSVOA_Y

ClientSampleId :

BG-4MS

Tot Ion: 56 Resp: 82913

Ion Ratio Lower Upper

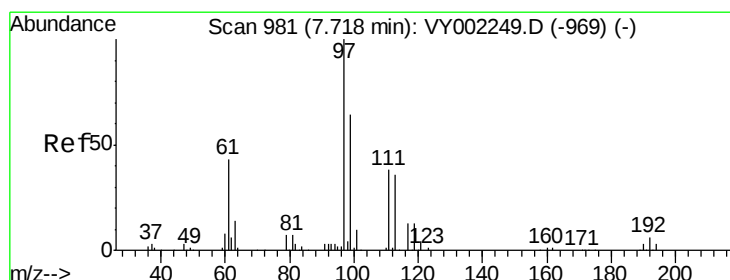
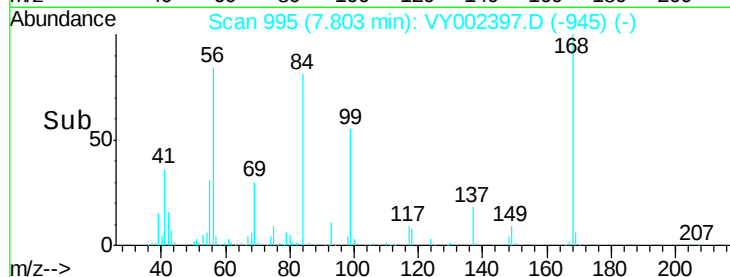
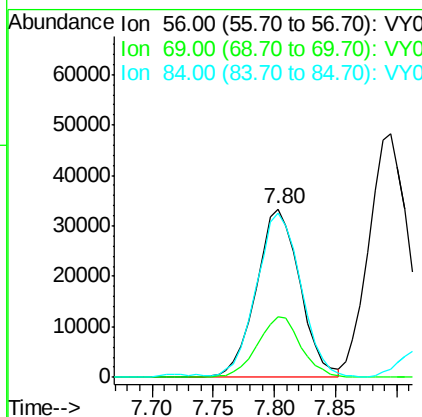
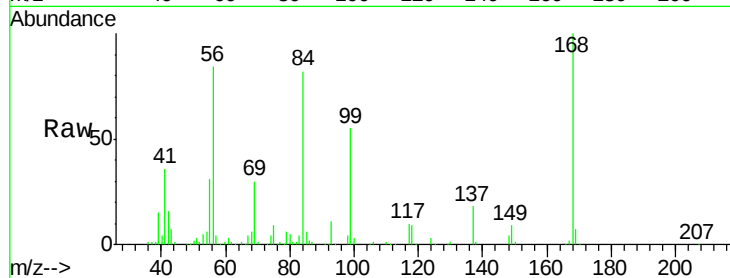
56 100

69 35.2 25.0 37.6

84 96.1 69.7 104.5

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#32

1,1,1-Trichloroethane

Concen: 52.420 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

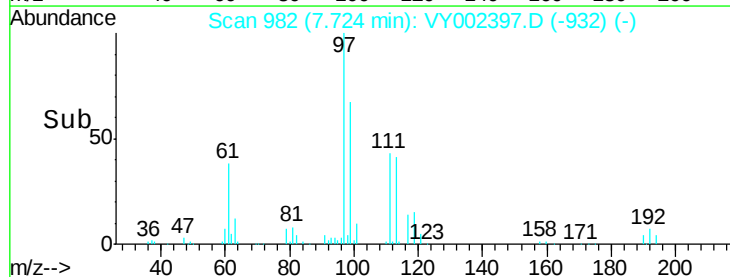
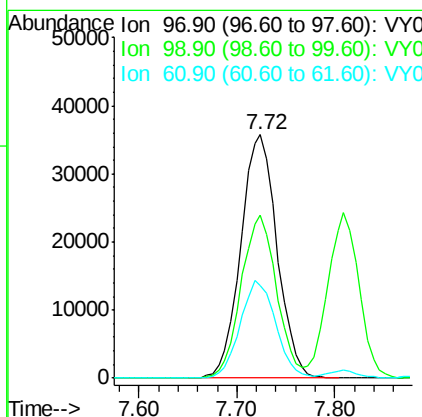
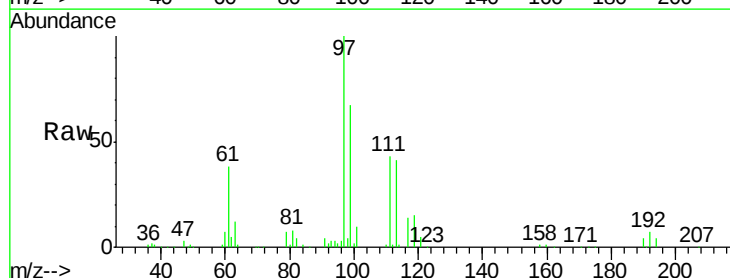
Tgt Ion: 97 Resp: 91804

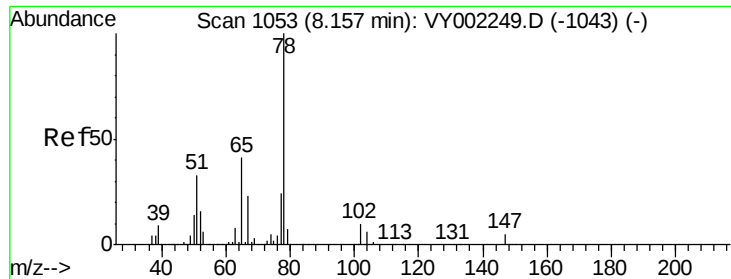
Ion Ratio Lower Upper

97 100

99 65.6 51.3 76.9

61 39.6 34.3 51.5





#33

1,2-Dichloroethane-d4

Concen: 43.856 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Instrument :

MSVOA_Y

ClientSampleId :

BG-4MS

Tot Ion: 65 Resp: 48775

Ion Ratio Lower Upper

65 100

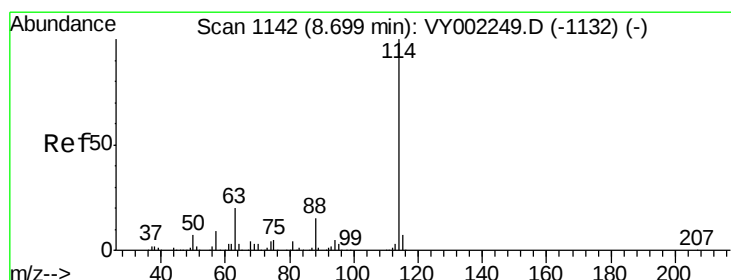
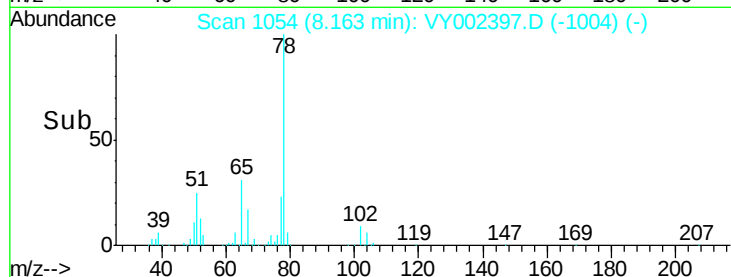
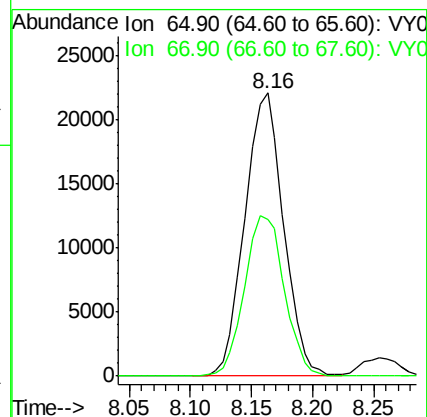
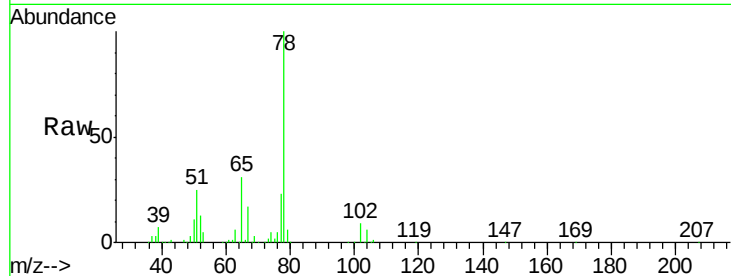
67 58.1 0.0 114.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

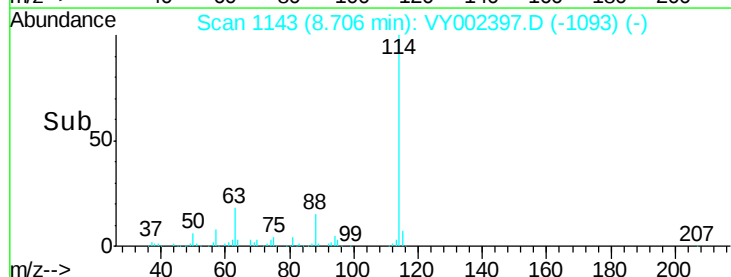
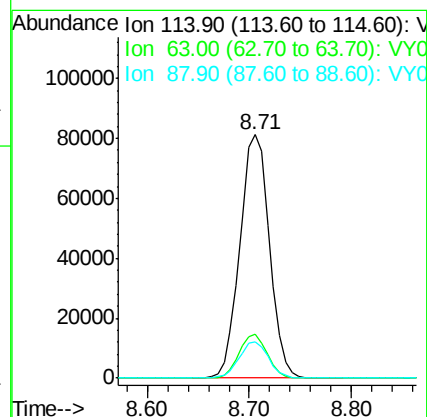
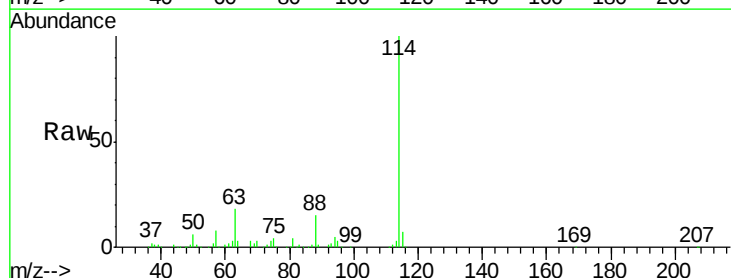
Tgt Ion: 114 Resp: 162892

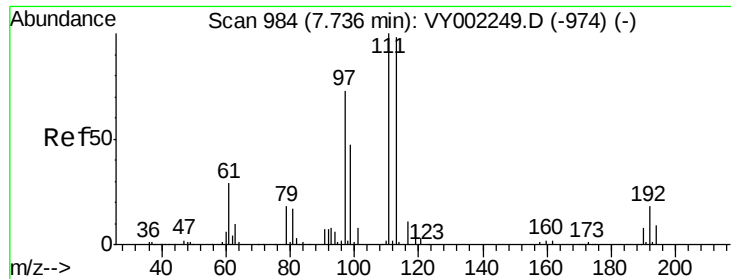
Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.0

88 15.0 0.0 31.0





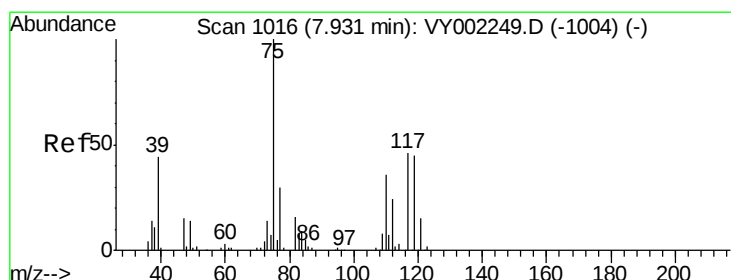
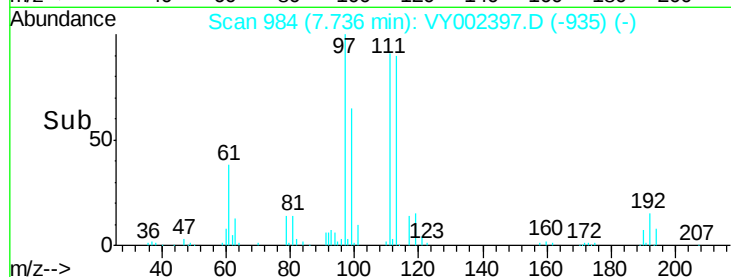
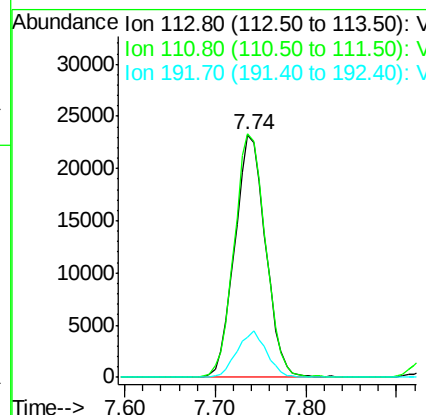
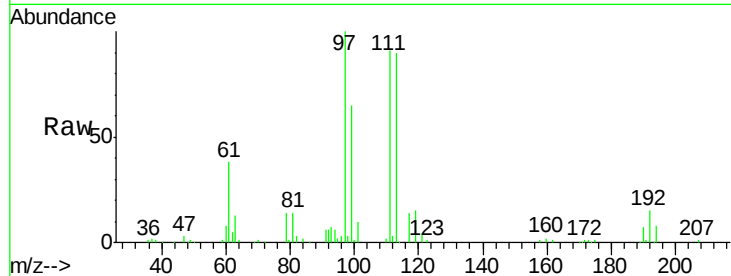
#35
 Dibromofluoromethane
 Concen: 56.409 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	54675		
111	102.1		83.5	125.3
192	18.5		14.7	22.1

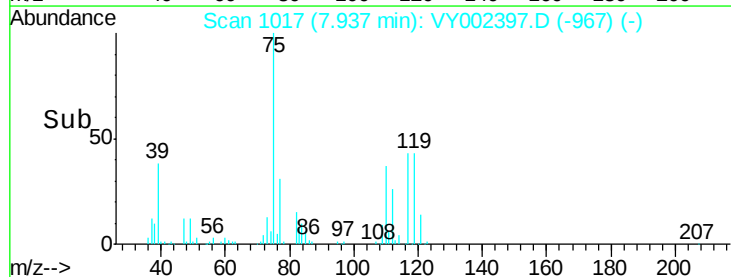
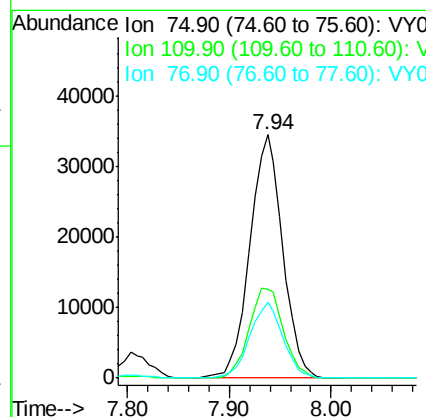
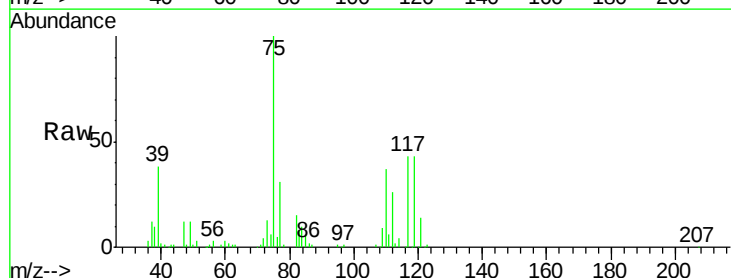
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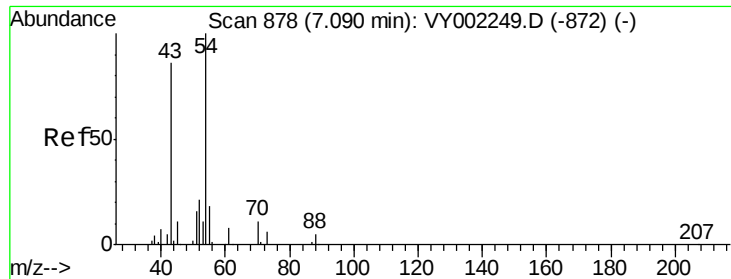
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#36
 1,1-Dichloropropene
 Concen: 47.967 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. 0.01 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	76961		
110	38.8		17.8	53.3
77	31.5		24.4	36.6





#37

Ethyl Acetate

Concen: 6.842 ug/l

RT: 7.10 min Scan# 879

Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Instrument :

MSVOA_Y

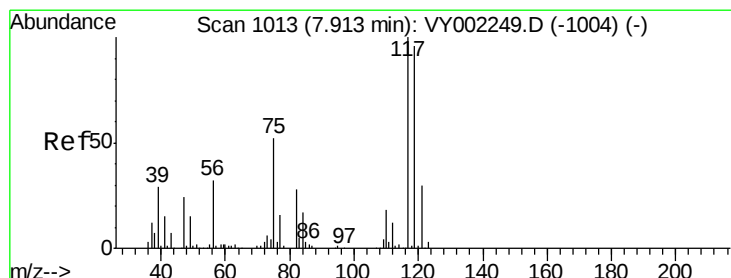
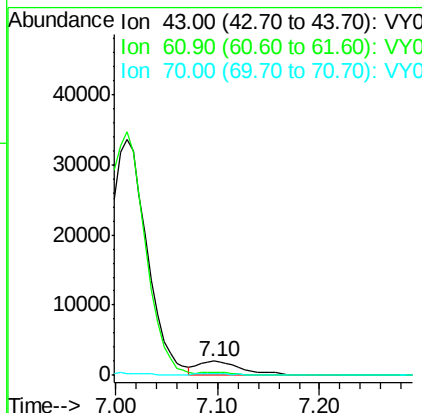
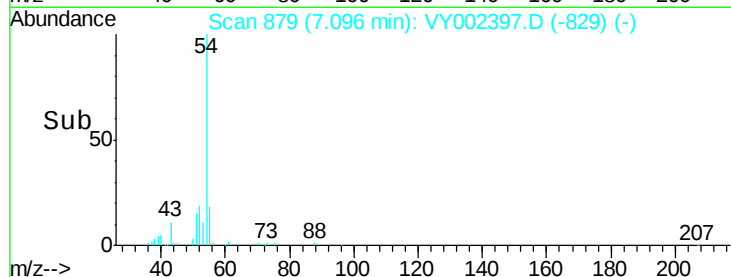
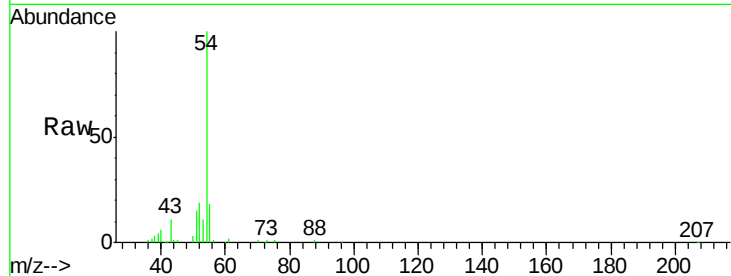
ClientSampleId :

BG-4MS

Tot Ion:	43	Resp:	6271
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	9.8	9.1	13.7

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#38

Carbon Tetrachloride

Concen: 53.290 ug/l

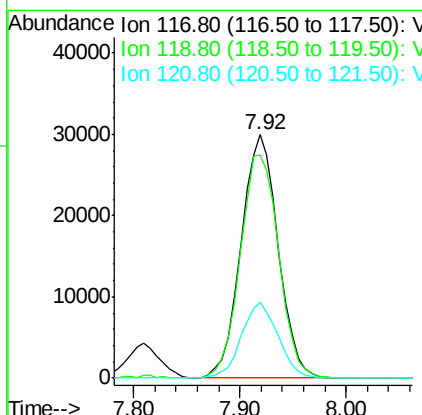
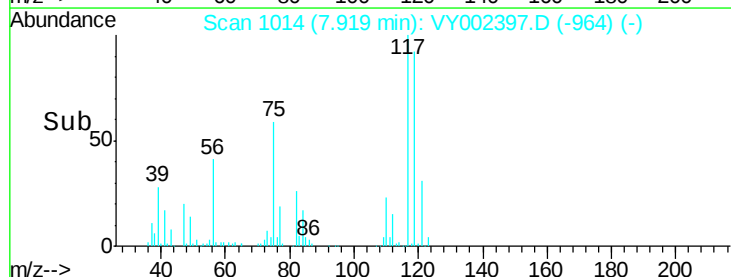
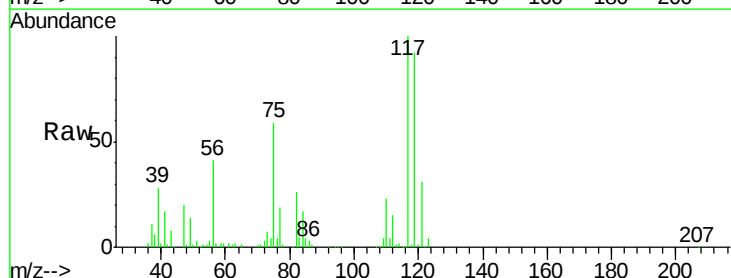
RT: 7.92 min Scan# 1014

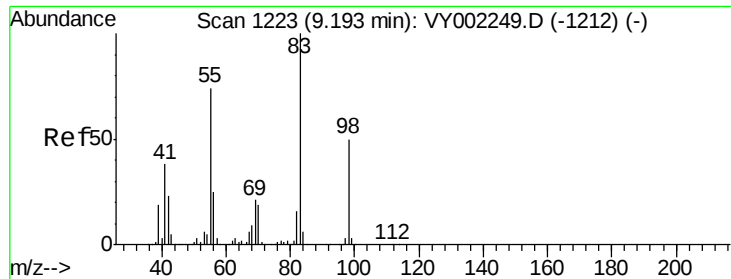
Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Tgt Ion:	117	Resp:	73135
Ion	Ratio	Lower	Upper
117	100		
119	91.7	77.1	115.7
121	31.0	23.9	35.9





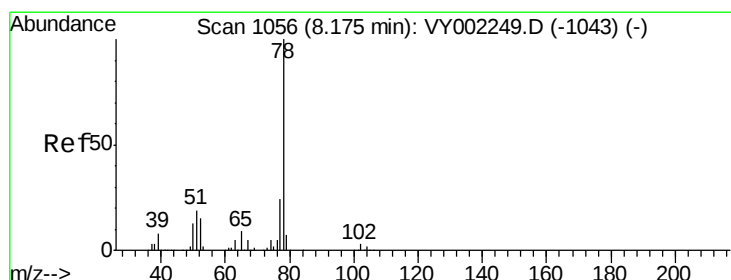
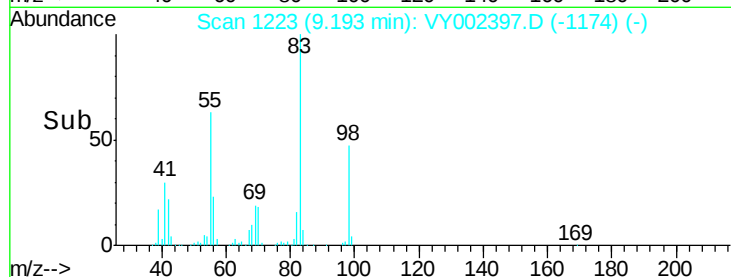
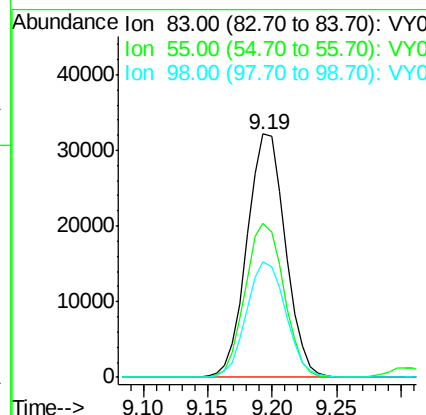
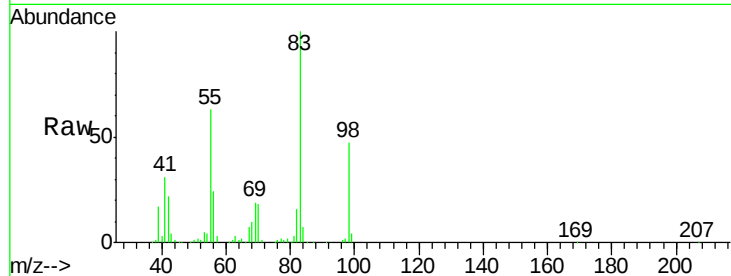
#39
Methvlcvclohexane
Concen: 30.372 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.3	59.3	88.9
98	47.3	39.6	59.4

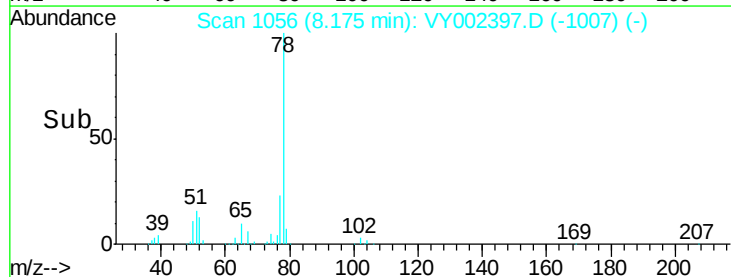
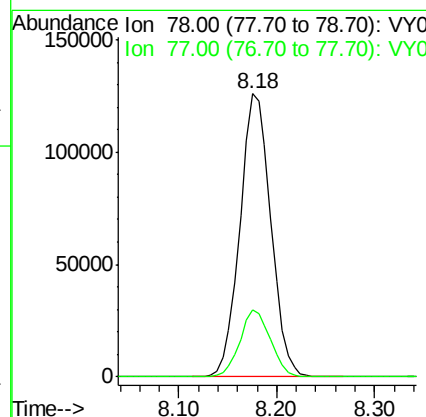
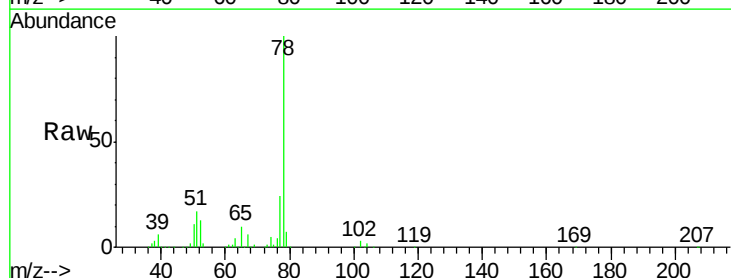
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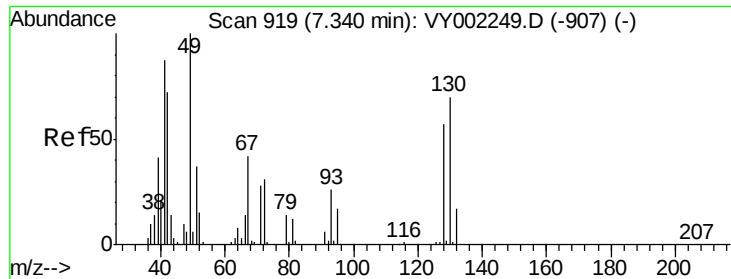
MMDadoda
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#40
Benzene
Concen: 56.689 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





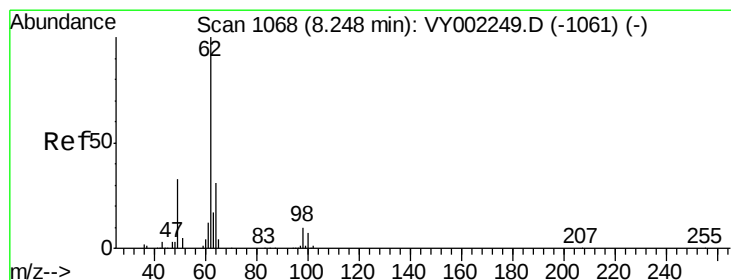
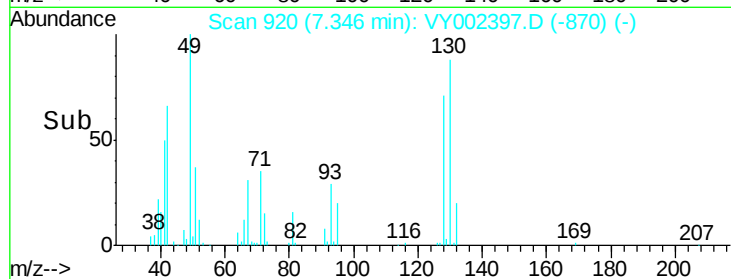
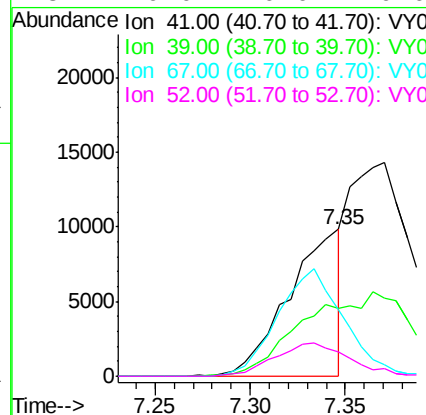
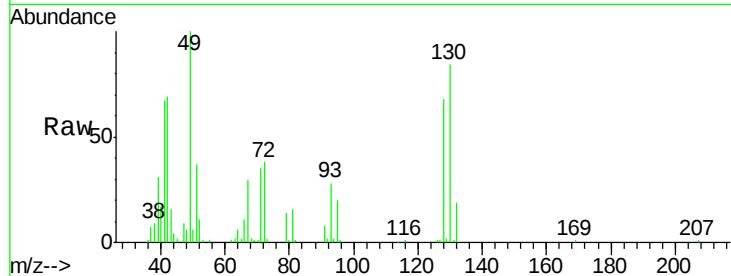
#41
Methacrylonitrile
Concen: 34.686 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Instrument :
MSVOA_Y
ClientSampled :
BG-4MS

Tot Ion	41	Resp	18755
Ion	Ratio	Lower	Upper
41	100		
39	119.7	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

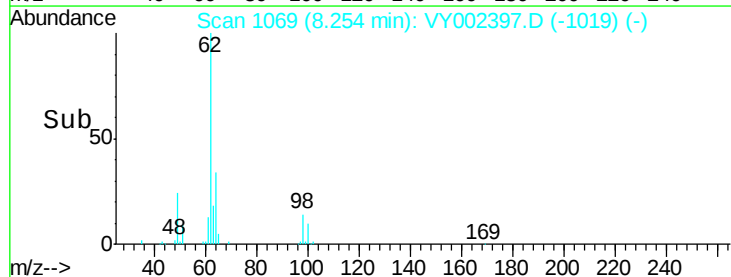
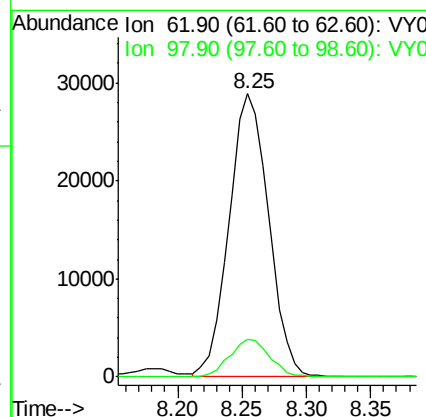
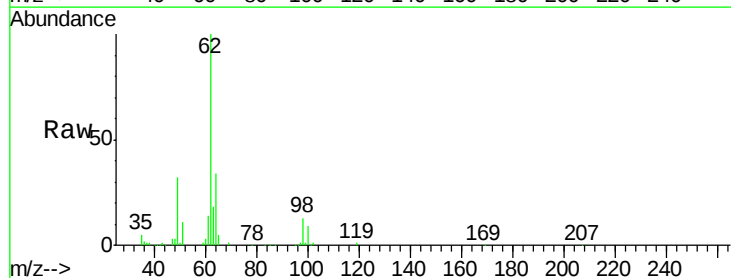
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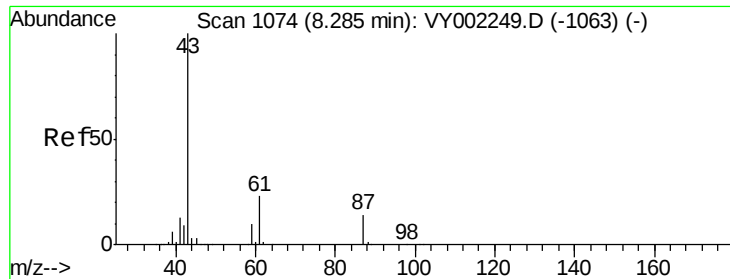
MMDadoda
4/20/2020 11:41:11 AM



#42
1,2-Dichloroethane
Concen: 51.289 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Tgt Ion	62	Resp	61847
Ion	Ratio	Lower	Upper
62	100		
98	13.5	0.0	22.6





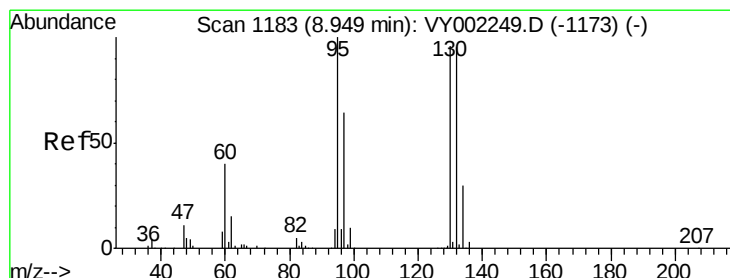
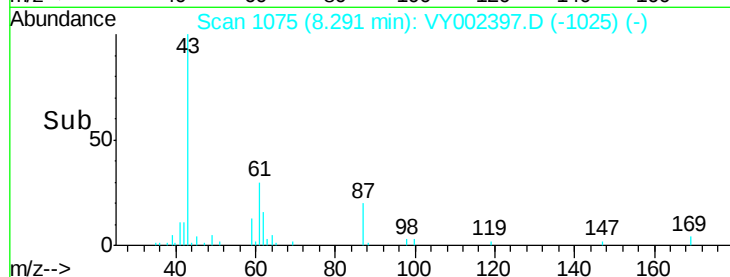
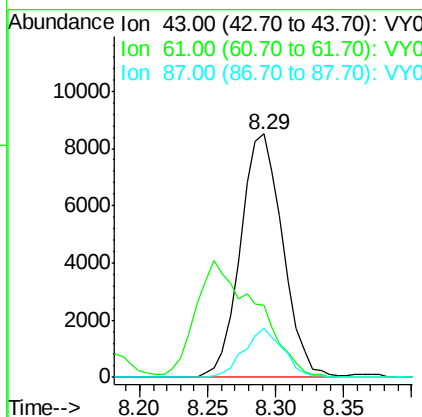
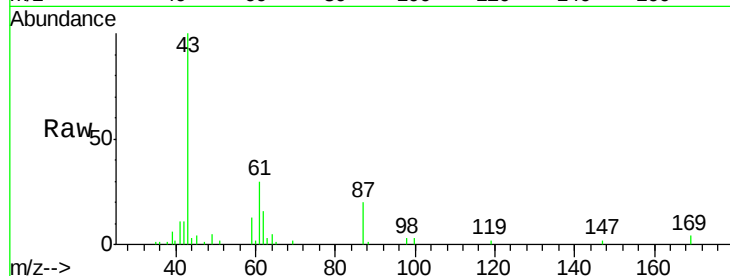
#43
Isopropyl Acetate
Concen: 11.052 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	24.9	37.3#
87	18.8	11.7	17.5#

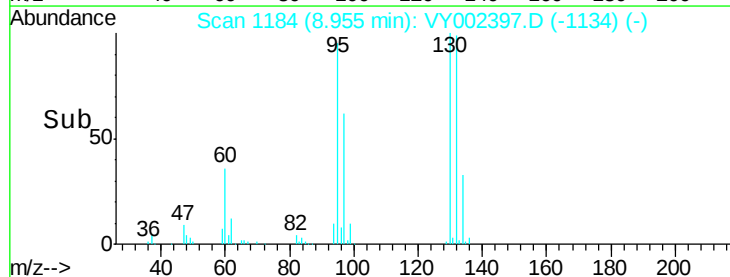
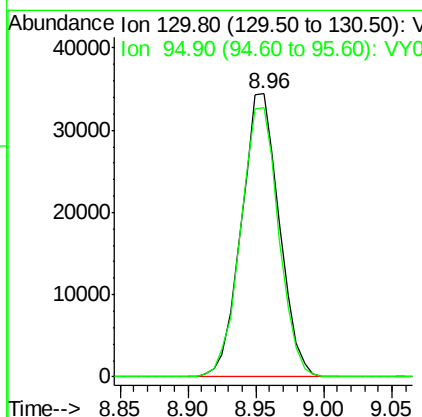
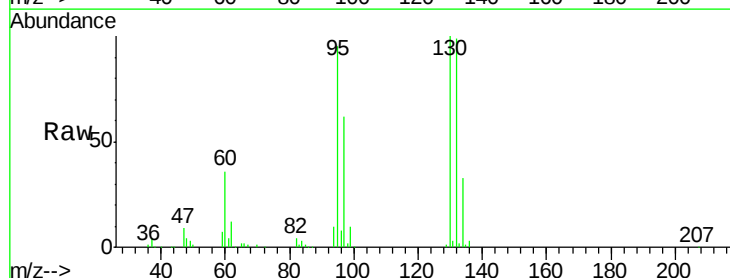
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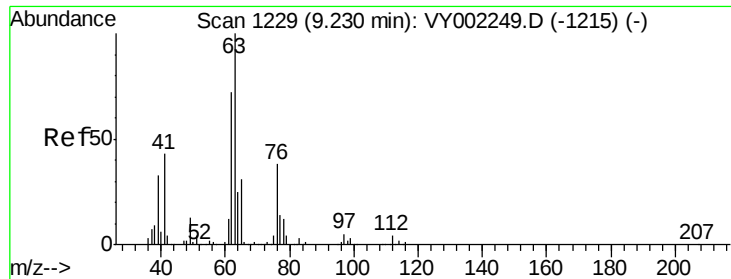
MMDadoda
4/20/2020 11:41:11 AM



#44
Trichloroethene
Concen: 46.982 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	208.2





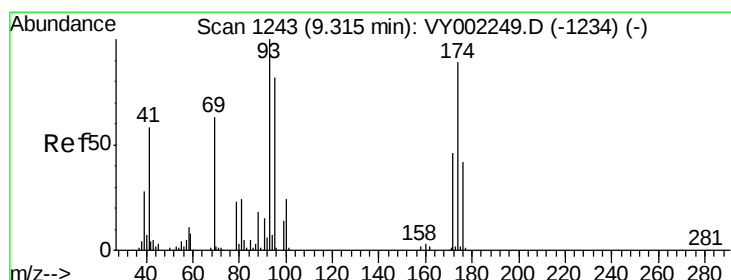
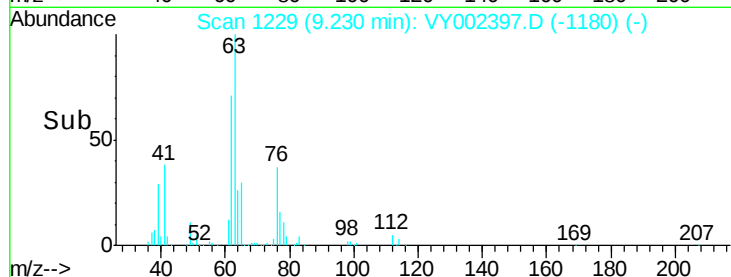
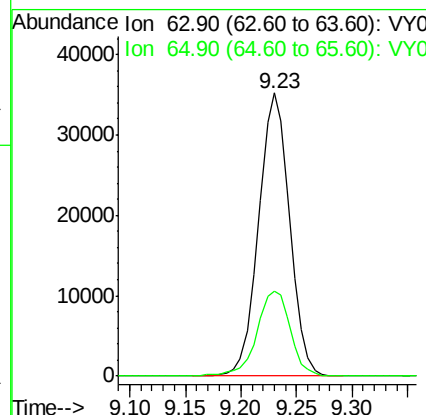
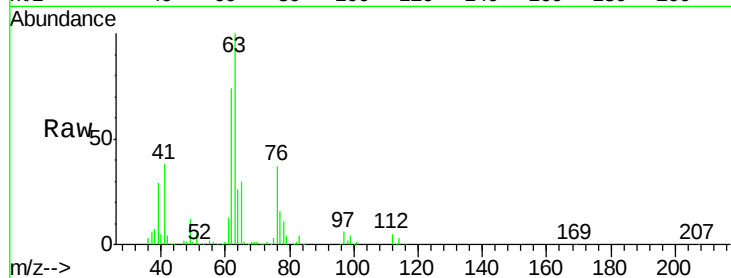
#45
 1,2-Dichloropropane
 Concen: 56.556 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.6	37.0

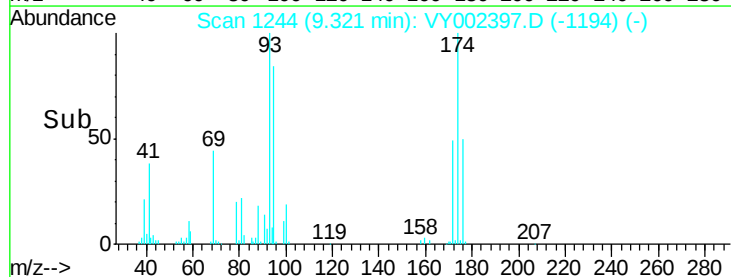
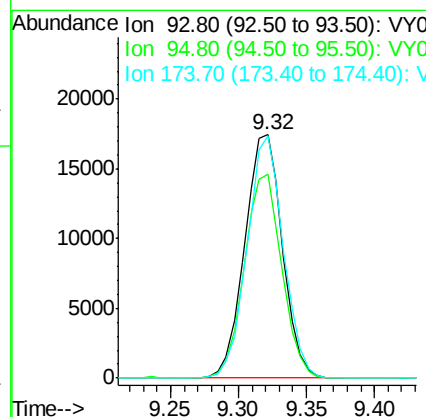
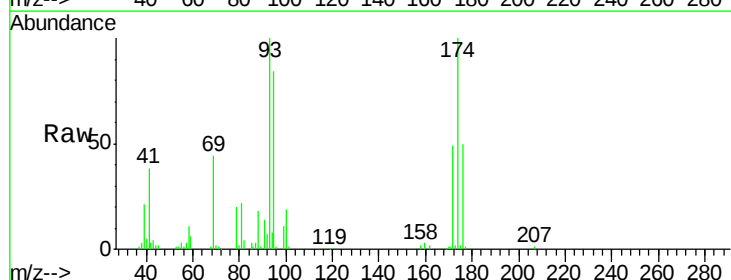
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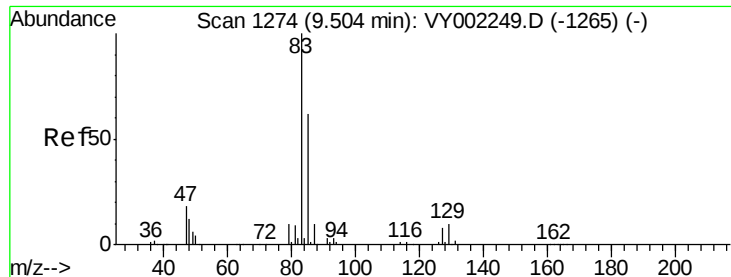
MMDadoda
 4/20/2020 11:41:11 AM



#46
 Dibromomethane
 Concen: 53.520 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.01 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	67.3	100.9
174	95.7	72.5	108.7





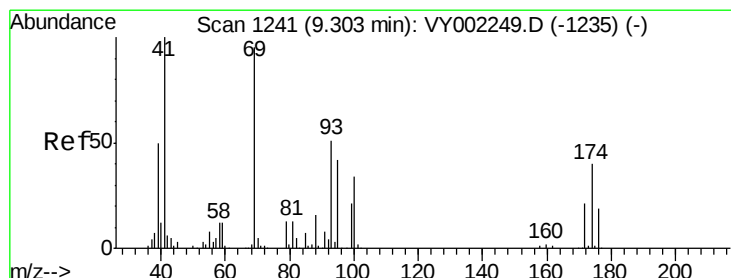
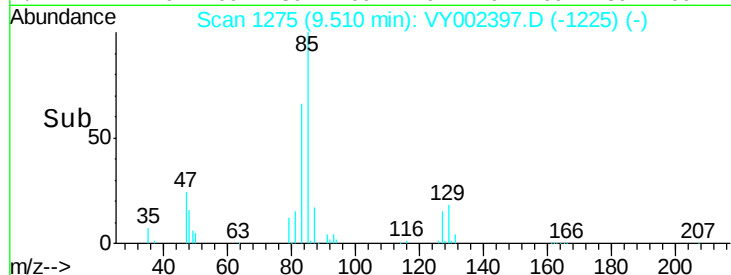
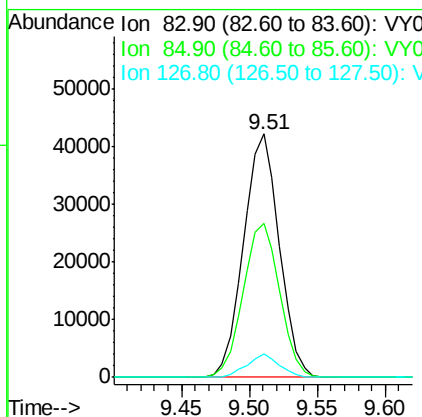
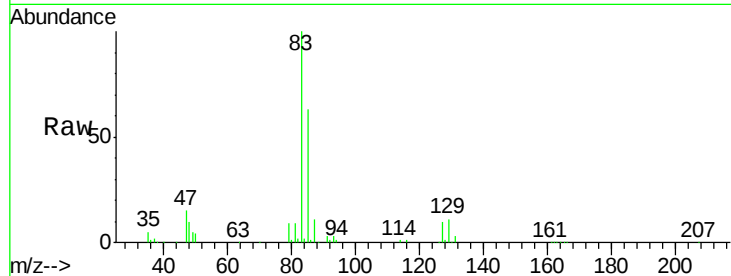
#47
Bromodichloromethane
Concen: 53.429 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion	83	Resp	77421
Ion Ratio	100	Lower	Upper
83	100		
85	63.2	49.7	74.5
127	9.5	6.2	9.4#

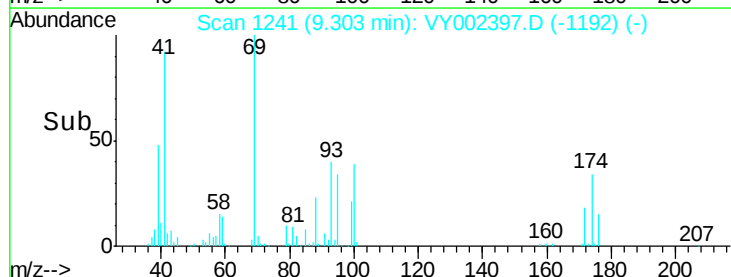
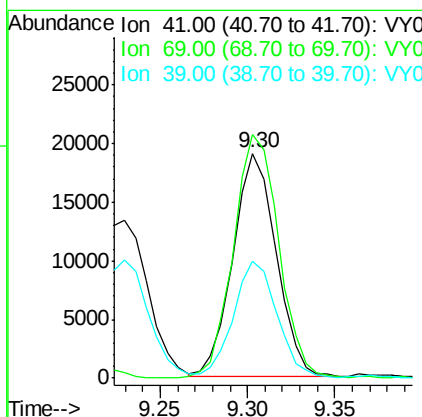
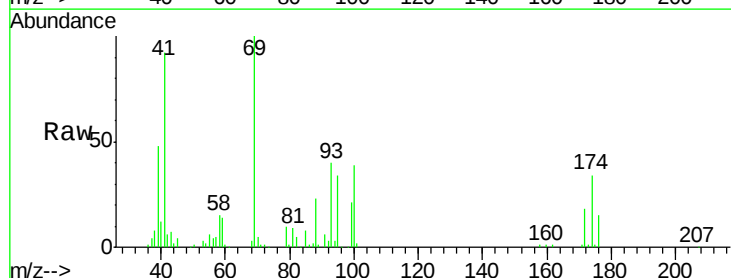
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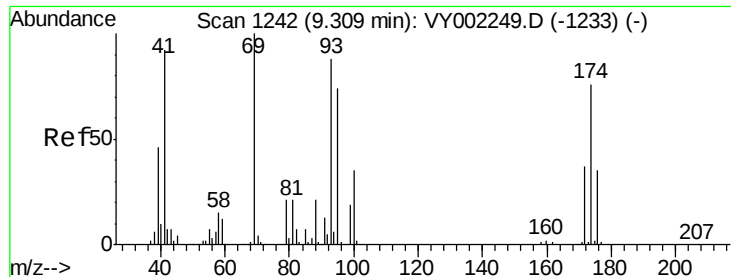
MMDadoda
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#48
Methyl methacrylate
Concen: 43.569 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Tgt Ion	41	Resp	32658
Ion Ratio	100	Lower	Upper
41	100		
69	113.9	76.7	115.1
39	53.5	40.5	60.7





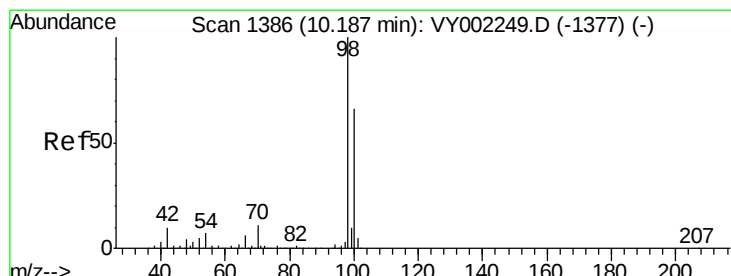
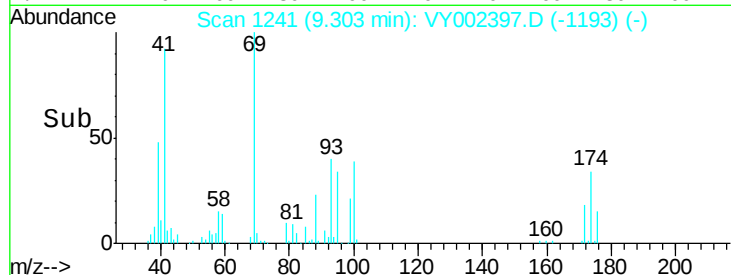
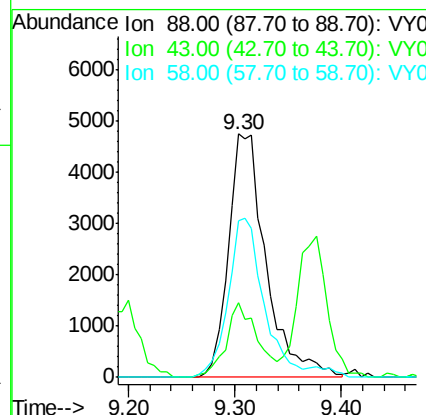
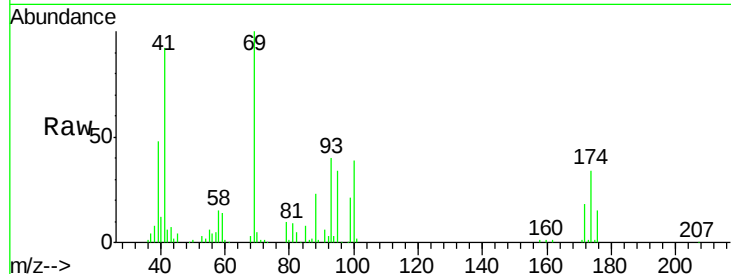
#49
1,4-Dioxane
Concen: 1316.998 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion	88	Resp	11765
Ion	Ratio	Lower	Upper
88	100		
43	25.4	22.2	33.2
58	61.6	57.6	86.4

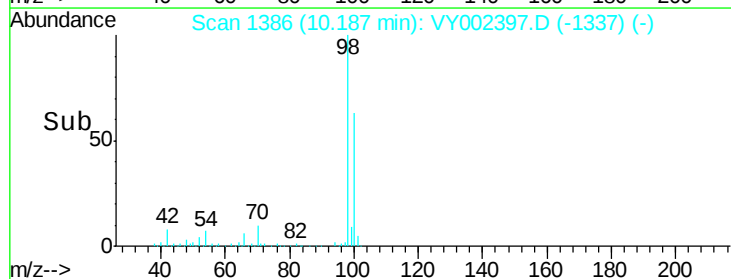
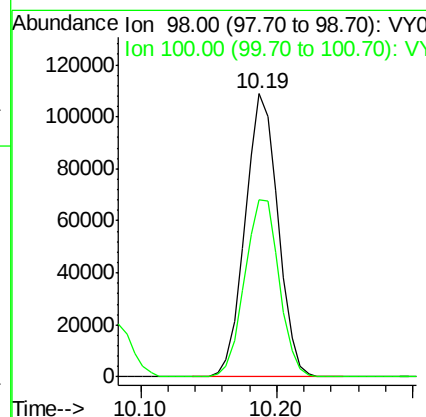
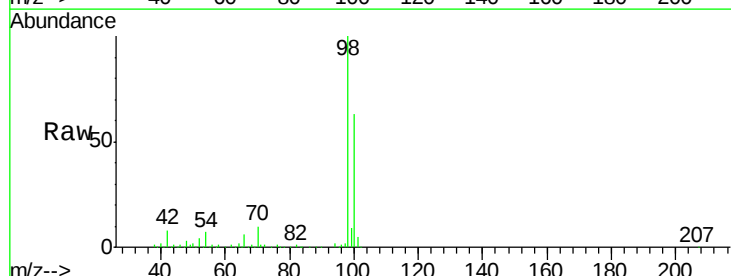
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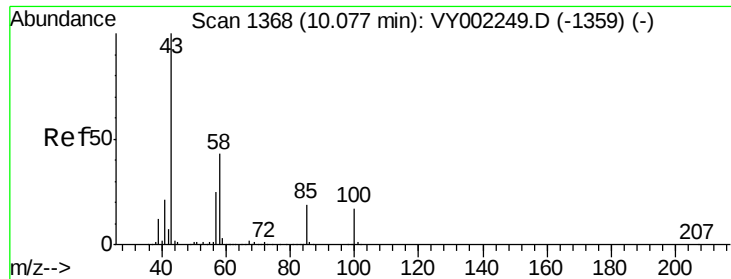
MMDadoda
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#50
Toluene-d8
Concen: 45.432 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Tgt Ion	98	Resp	184316
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.6	78.8





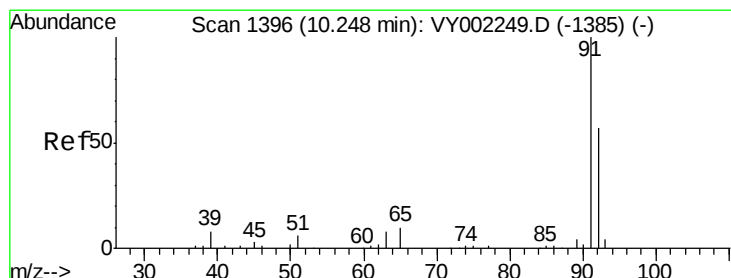
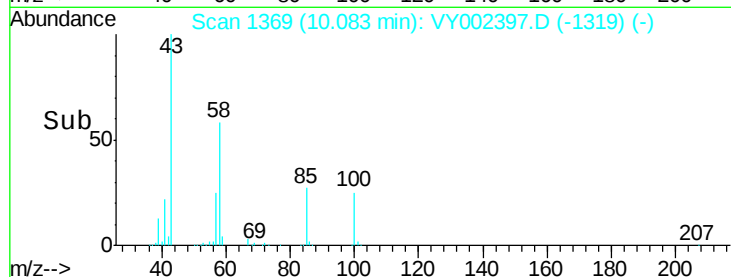
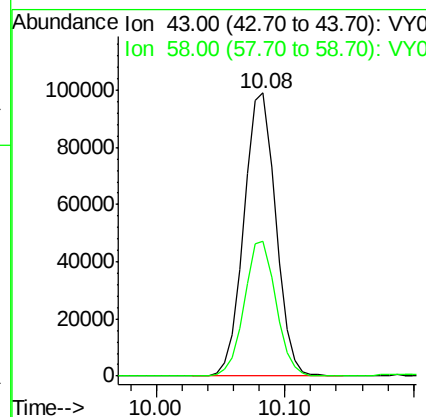
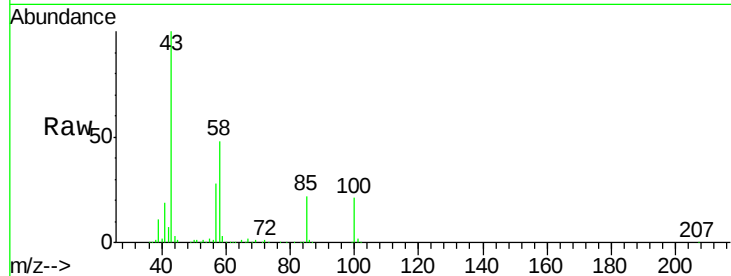
#51
4-Methyl-2-Pentanone
Concen: 194.235 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Instrument :
MSVOA_Y
ClientSampled :
BG-4MS

Tot Ion: 43 Resp: 169194
Ion Ratio Lower Upper
43 100
58 47.4 33.8 50.8

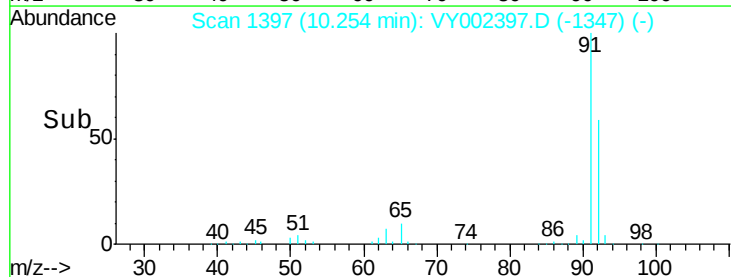
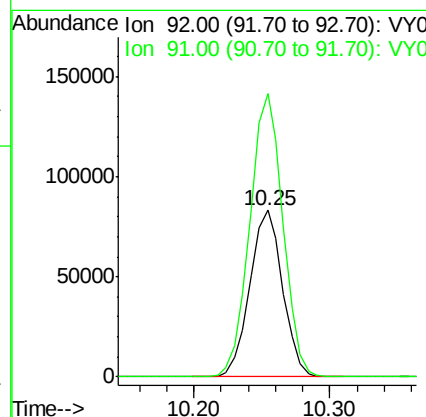
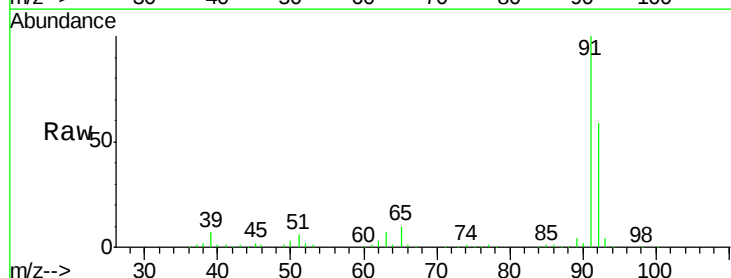
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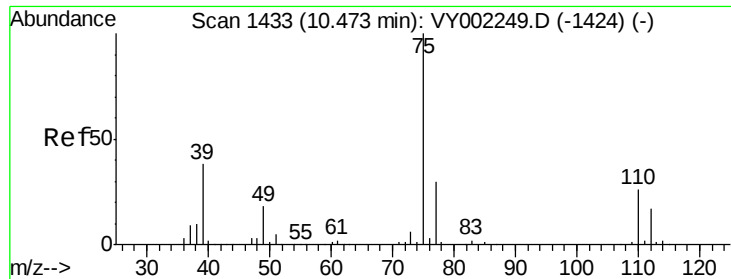
MMDadoda
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#52
Toluene
Concen: 47.827 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Tgt Ion: 92 Resp: 140308
Ion Ratio Lower Upper
92 100
91 171.3 139.0 208.6





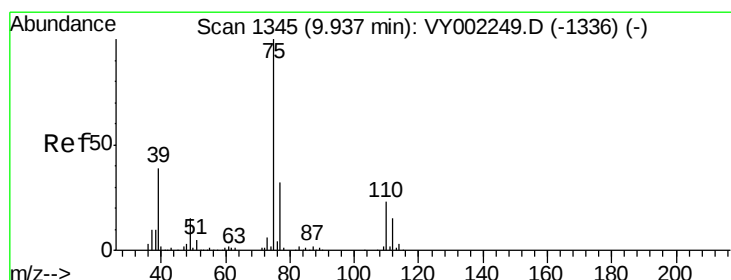
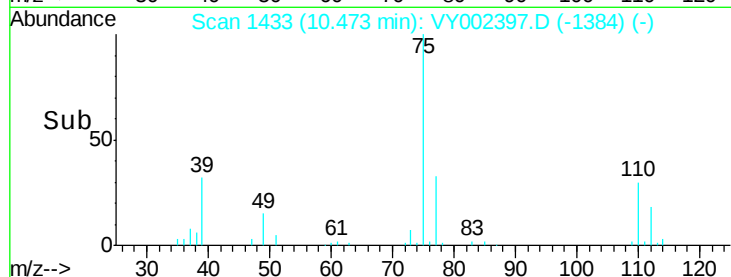
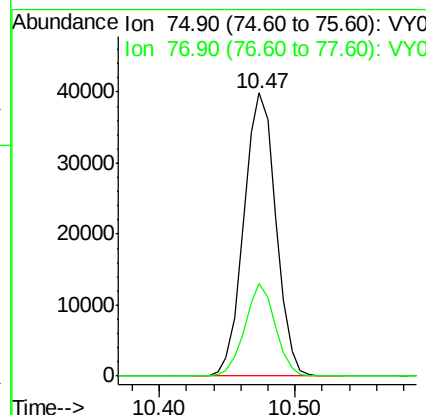
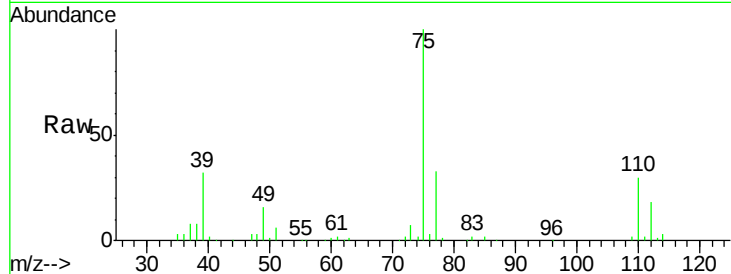
#53
 t-1,3-Dichloropropene
 Concen: 41.639 ug/l
 RT: 10.47 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Instrument :
 MSVOA_Y
 ClientSampled :
 BG-4MS

Tot Ion: 75 Resp: 65739
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.2 36.2

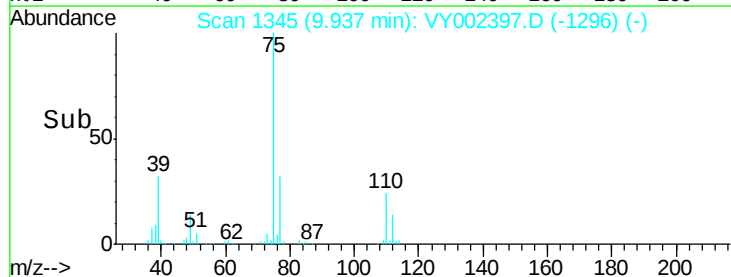
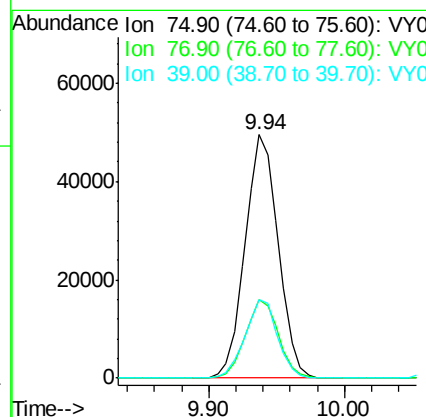
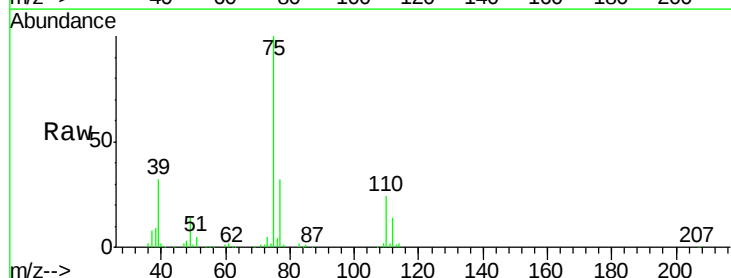
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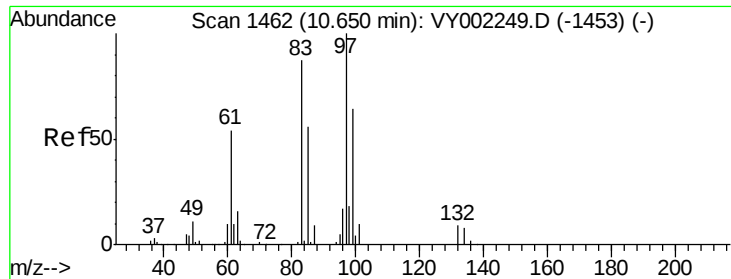
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#54
 cis-1,3-Dichloropropene
 Concen: 44.387 ug/l
 RT: 9.94 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Tgt Ion: 75 Resp: 84251
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.8 38.8
 39 32.5 30.8 46.2





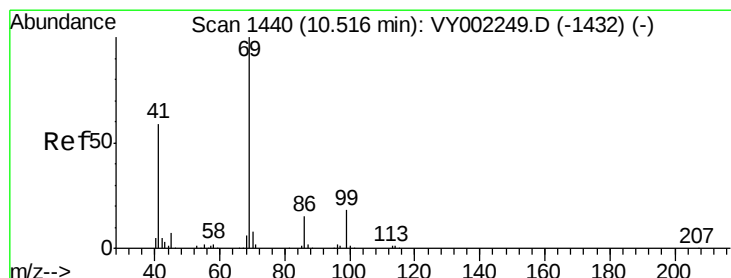
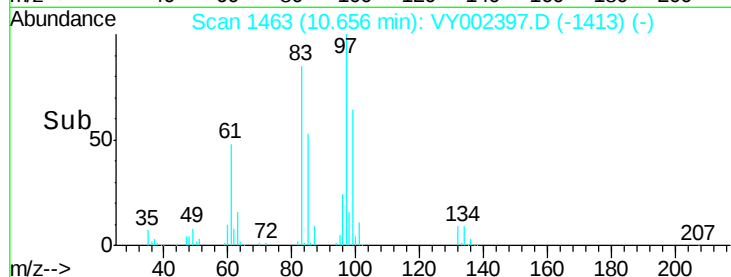
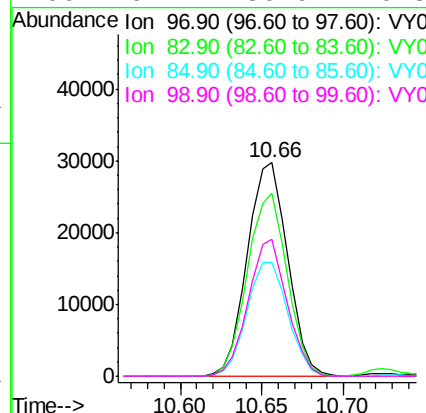
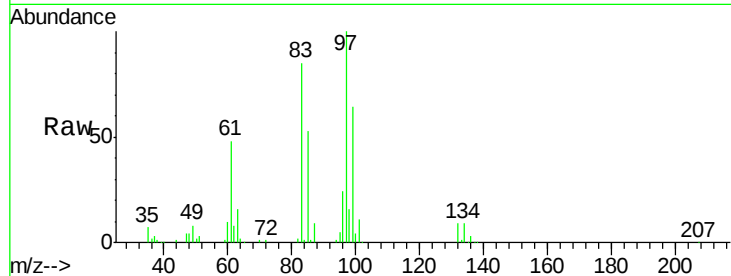
#55
 1,1,2-Trichloroethane
 Concen: 55.625 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.01 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion:	97	Resp:	51429
Ion	Ratio	Lower	Upper
97	100		
83	85.5	69.5	104.3
85	53.2	45.2	67.8
99	64.1	50.9	76.3

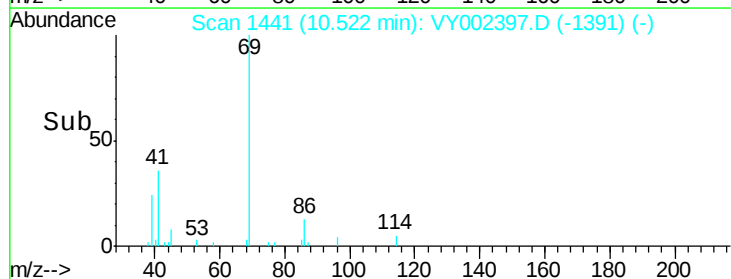
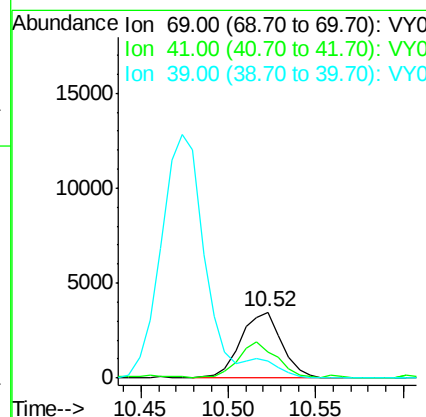
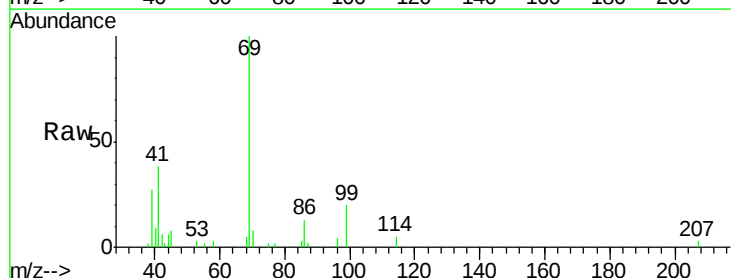
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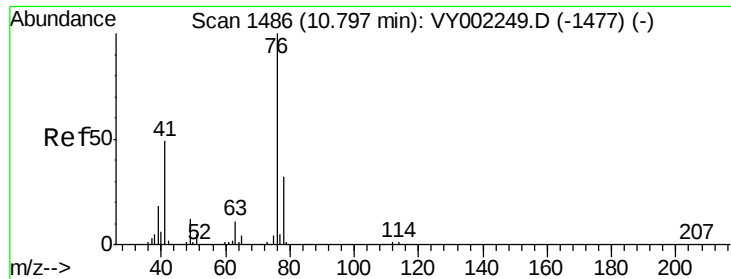
MMDadoda
 4/20/2020 11:41:11 AM



#56
 Ethyl methacrylate
 Concen: 4.285 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Tgt Ion:	69	Resp:	5654
Ion	Ratio	Lower	Upper
69	100		
41	52.0	47.9	71.9
39	0.0	23.8	35.6#





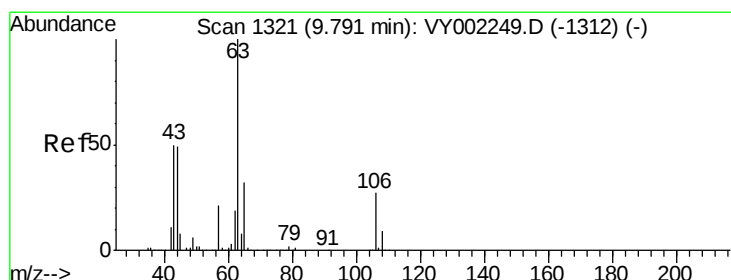
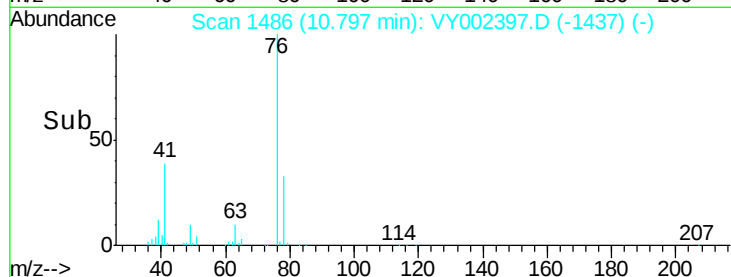
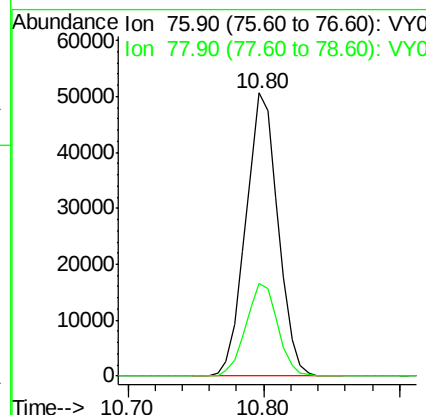
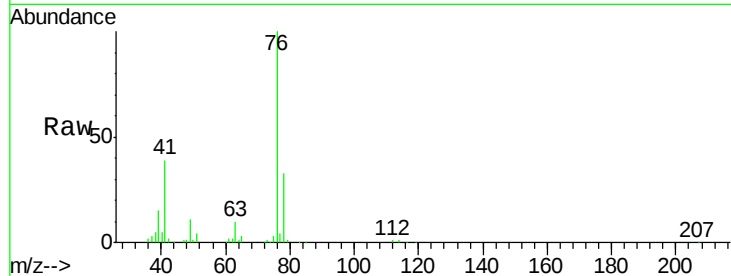
#57
 1,3-Dichloropropane
 Concen: 51.576 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Instrument :
 MSVOA_Y
 ClientSampled :
 BG-4MS

Tot Ion: 76 Resp: 83816
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

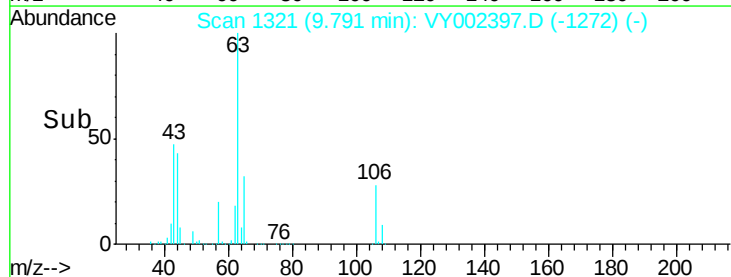
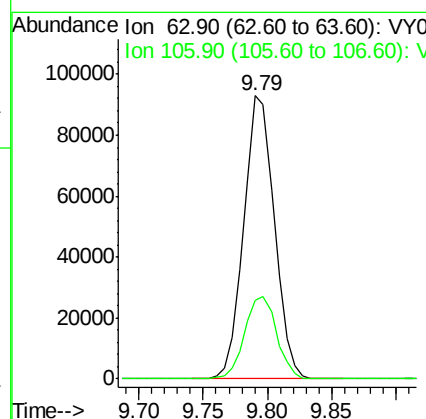
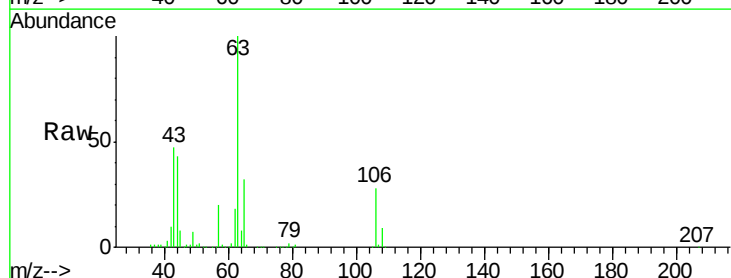
Manual Integrations
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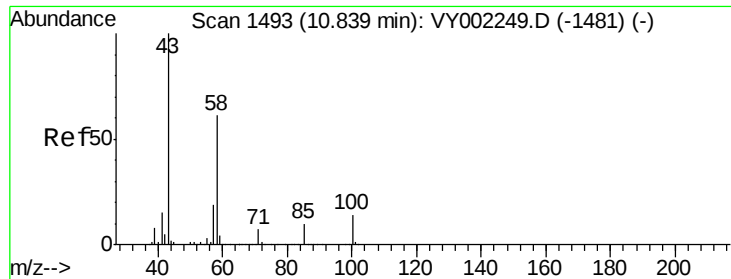
MMDadoda
 4/20/2020 11:41:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 223.388 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Tgt Ion: 63 Resp: 152652
 Ion Ratio Lower Upper
 63 100
 106 30.2 22.2 33.2





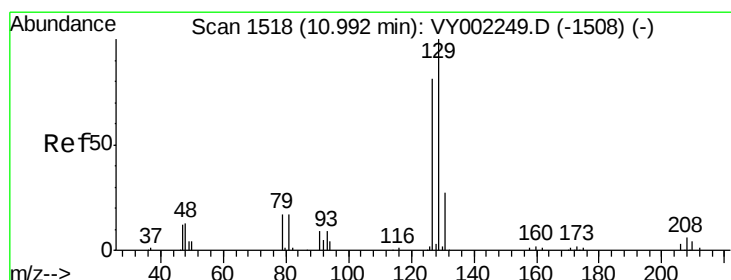
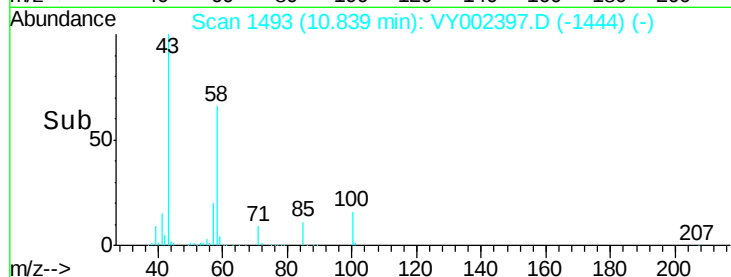
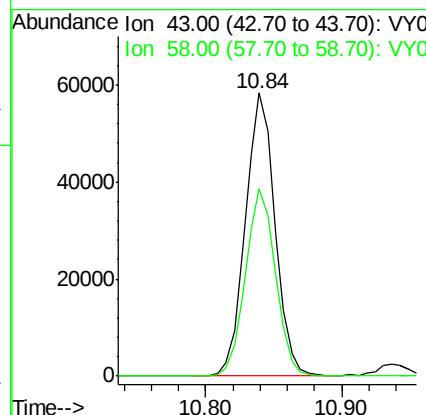
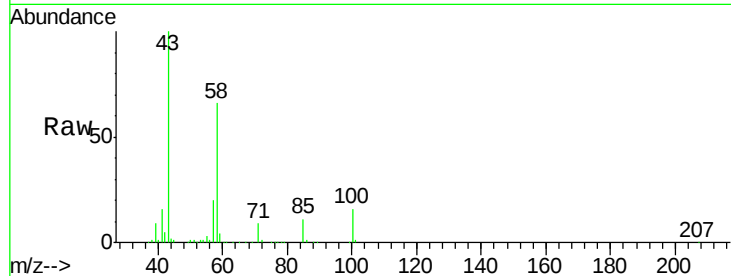
#59
2-Hexanone
Concen: 147.048 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion: 43 Resp: 88898
Ion Ratio Lower Upper
43 100
58 66.8 29.8 89.3

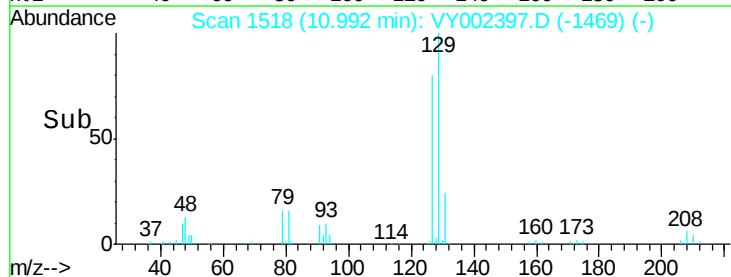
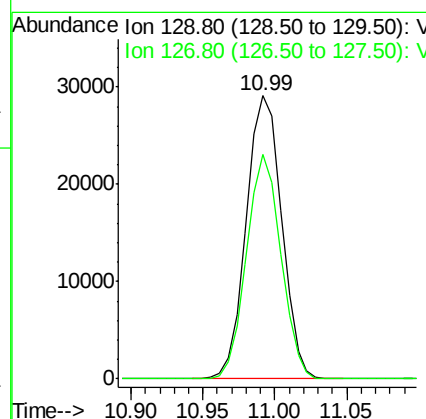
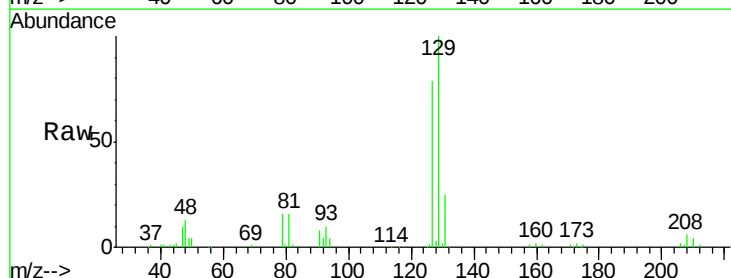
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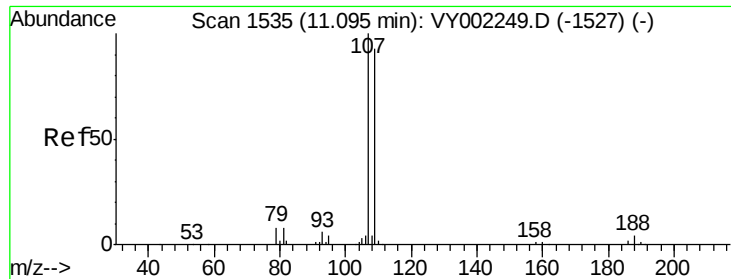
MMDadoda
4/20/2020 11:41:11 AM



#60
Dibromochloromethane
Concen: 50.270 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Tgt Ion: 129 Resp: 49560
Ion Ratio Lower Upper
129 100
127 77.1 39.0 117.0





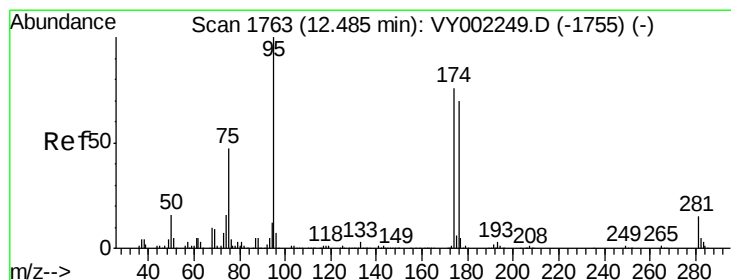
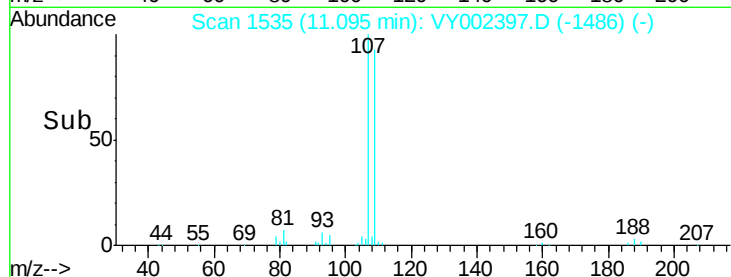
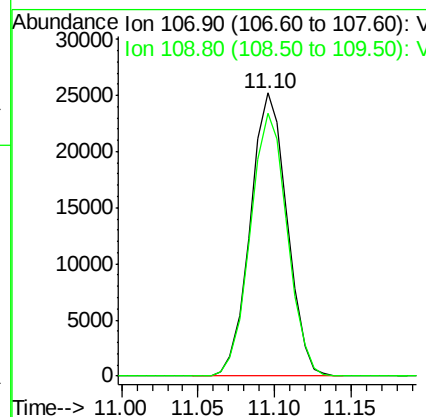
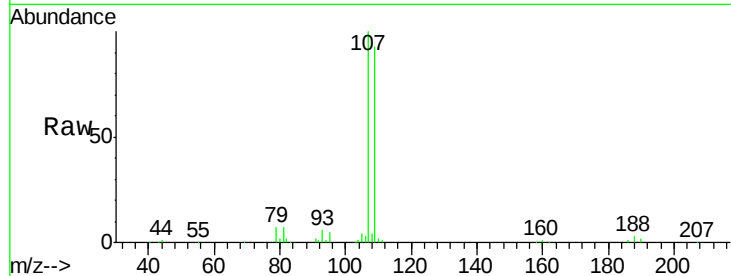
#61
 1,2-Dibromoethane
 Concen: 47.873 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion: 107 Resp: 42138
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.6 113.4

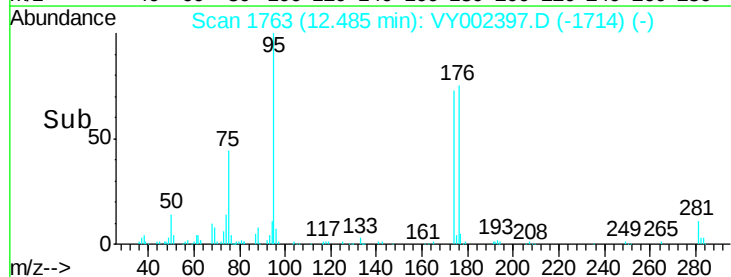
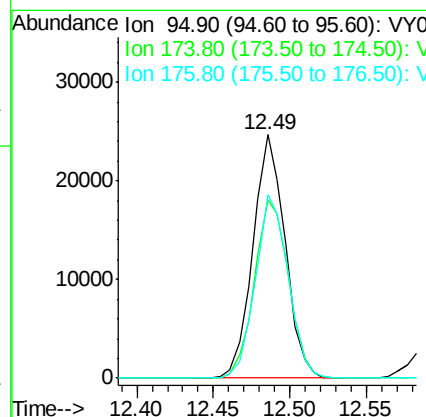
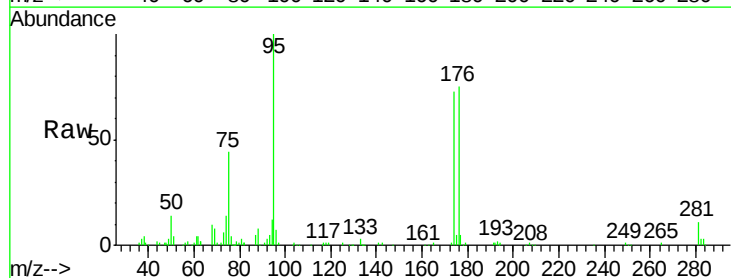
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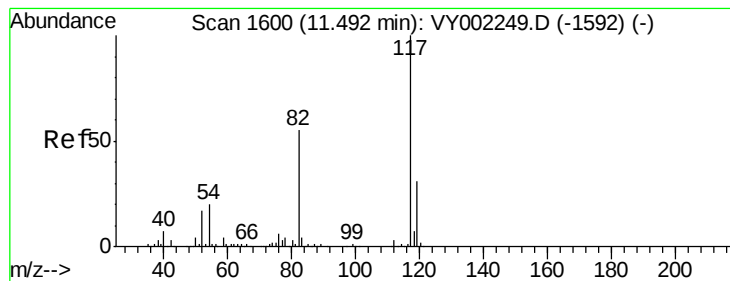
MMDadoda
 4/20/2020 11:41:11 AM



#62
 4-Bromofluorobenzene
 Concen: 26.888 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Tgt Ion: 95 Resp: 35988
 Ion Ratio Lower Upper
 95 100
 174 77.7 0.0 150.6
 176 77.0 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Instrument :

MSVOA_Y

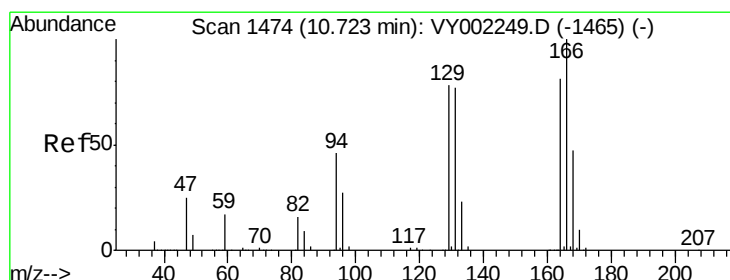
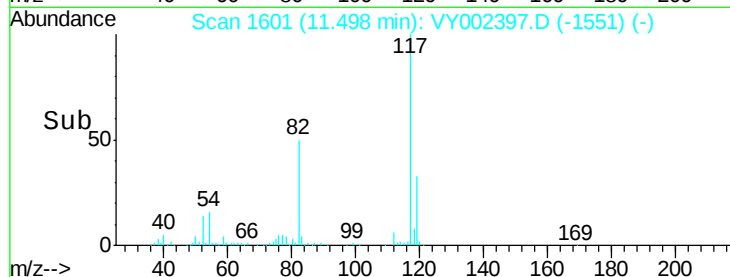
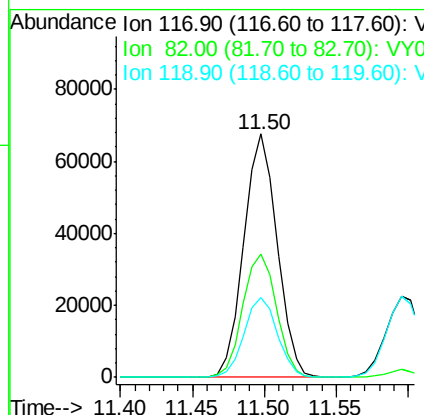
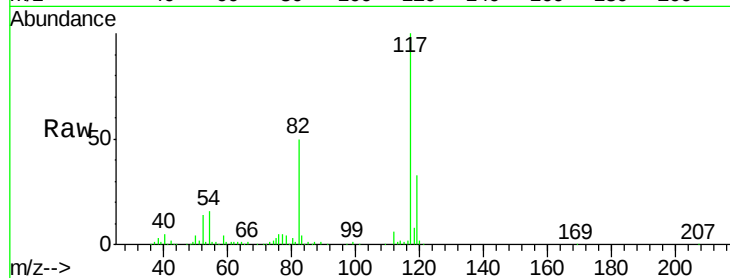
ClientSampleId :

BG-4MS

Tot Ion:	117	Resp:	108097
Ion	Ratio	Lower	Upper
117	100		
82	50.4	44.2	66.4
119	32.7	25.1	37.7

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#64

Tetrachloroethene

Concen: 53.704 ug/l

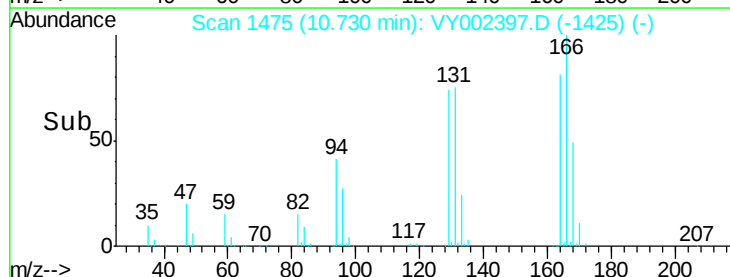
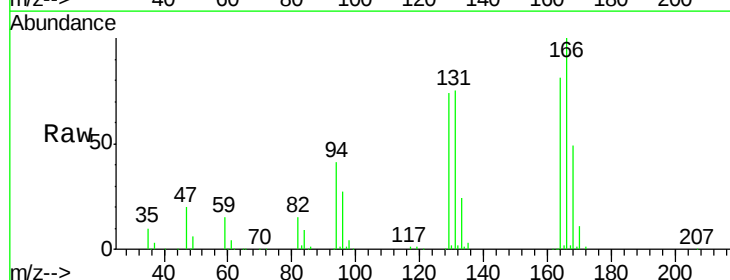
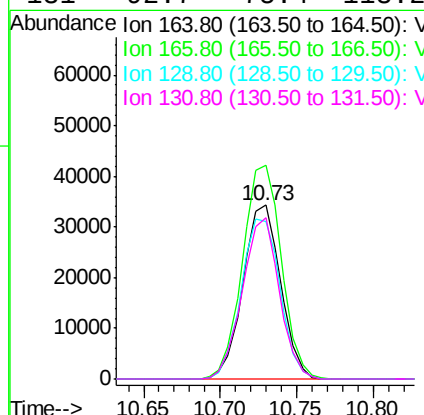
RT: 10.73 min Scan# 1475

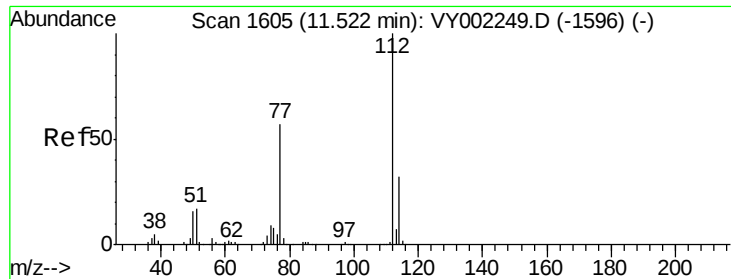
Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Tgt Ion:	164	Resp:	58692
Ion	Ratio	Lower	Upper
164	100		
166	122.8	98.4	147.6
129	90.4	76.6	115.0
131	92.7	75.4	113.2





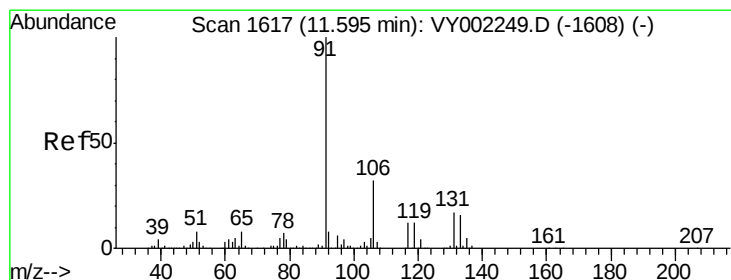
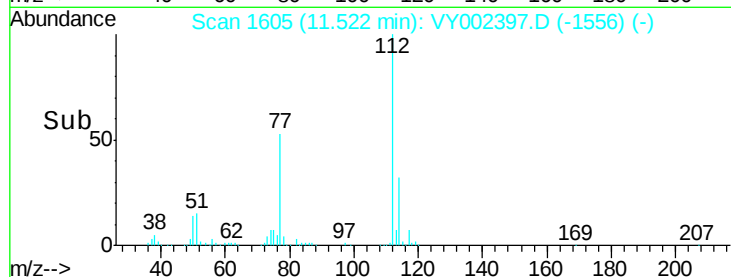
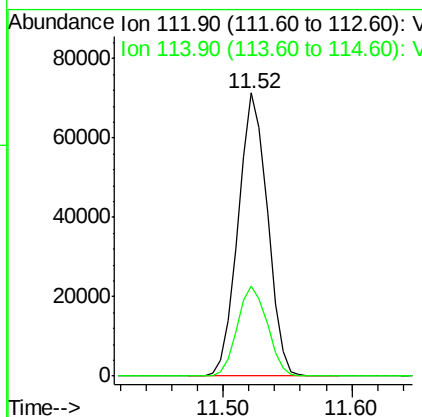
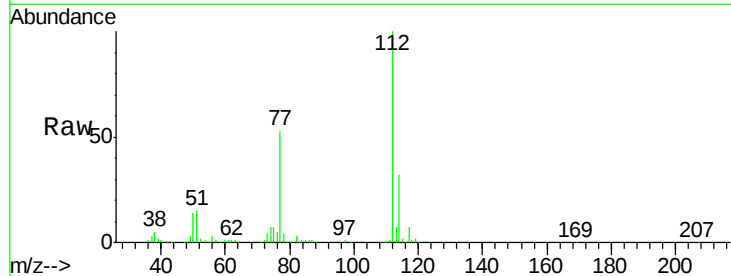
#65
Chlorobenzene
Concen: 50.118 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.6	38.4

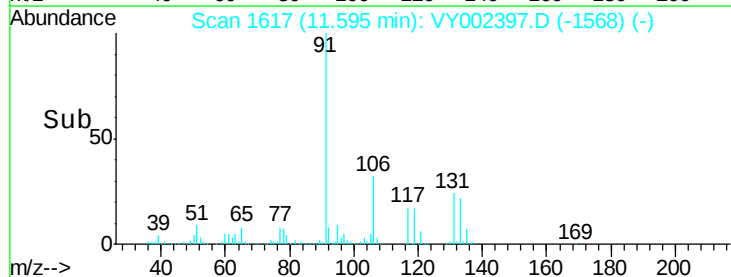
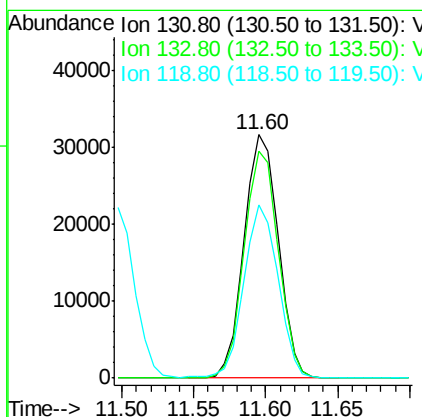
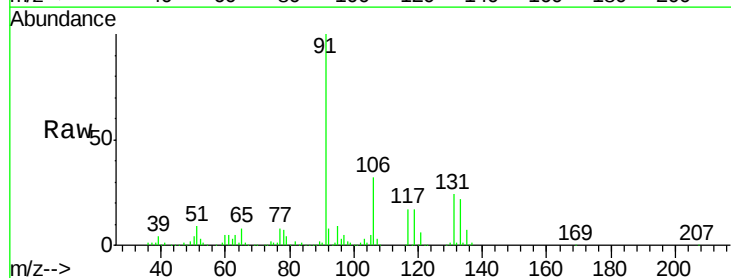
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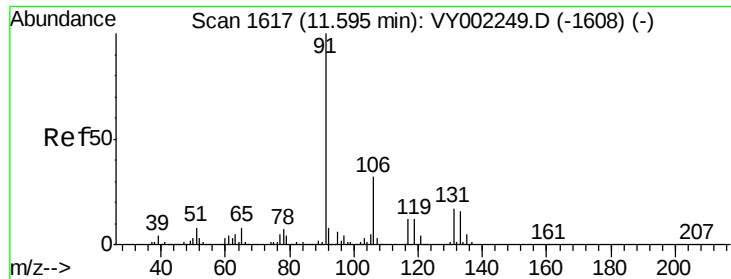
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#66
1,1,1,2-Tetrachloroethane
Concen: 70.233 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.1	46.5	139.3
119	71.5	34.5	103.6





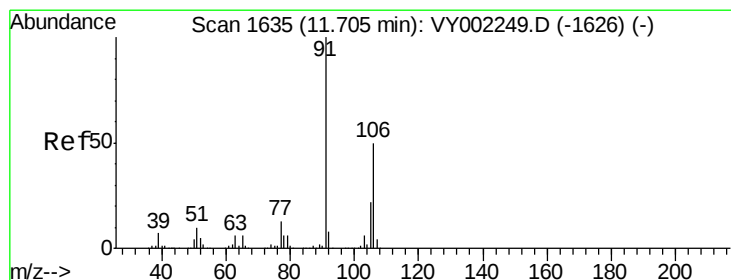
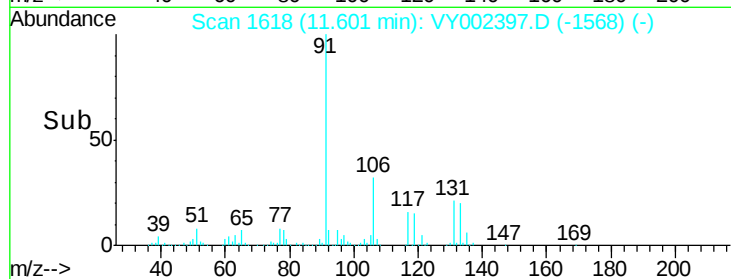
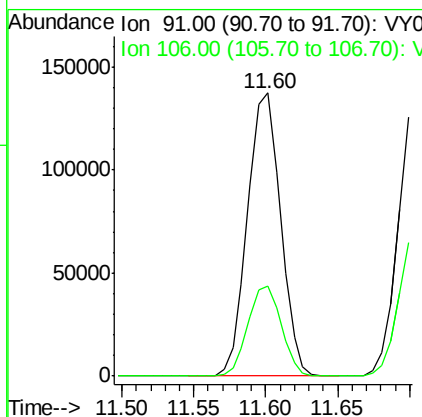
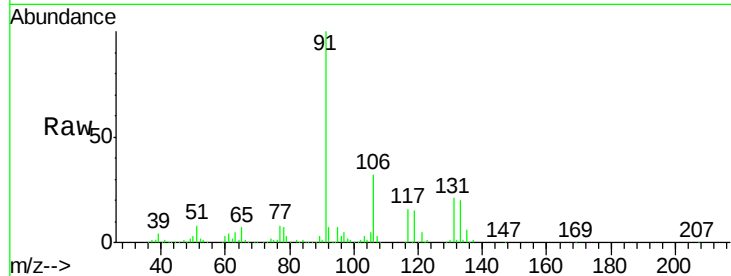
#67
Ethyl Benzene
Concen: 53.148 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion: 91 Resp: 218630
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.0

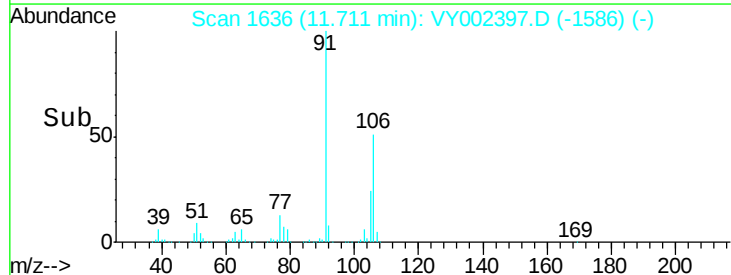
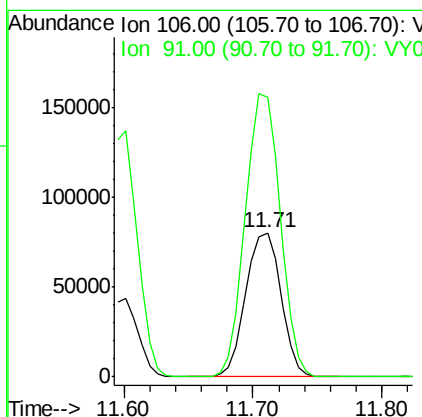
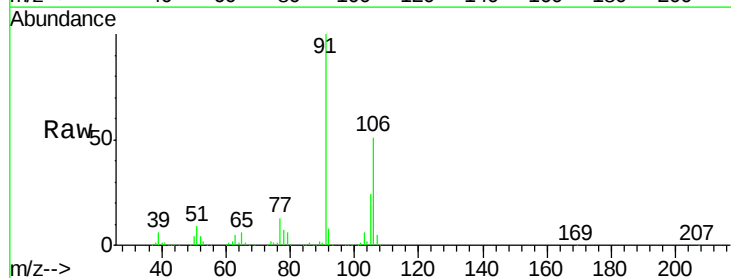
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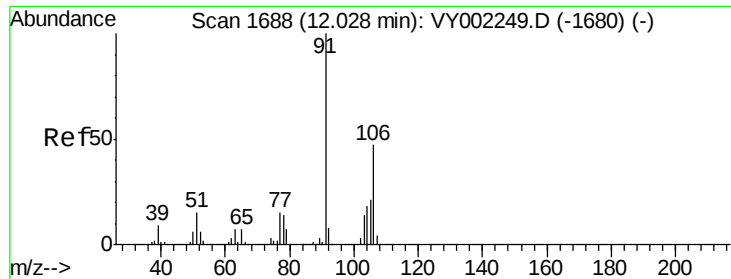
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#68
m/p-Xylenes
Concen: 98.923 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Tgt Ion: 106 Resp: 152413
Ion Ratio Lower Upper
106 100
91 195.2 159.8 239.6





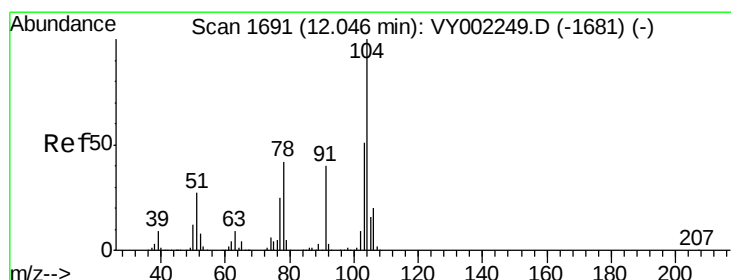
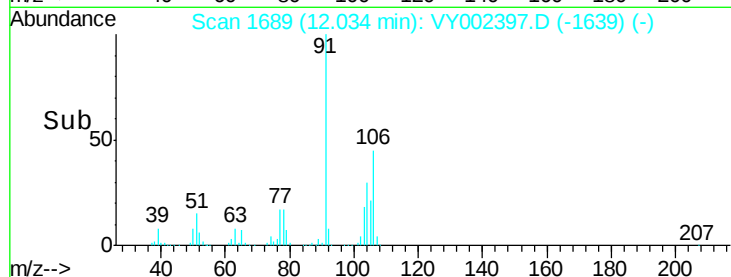
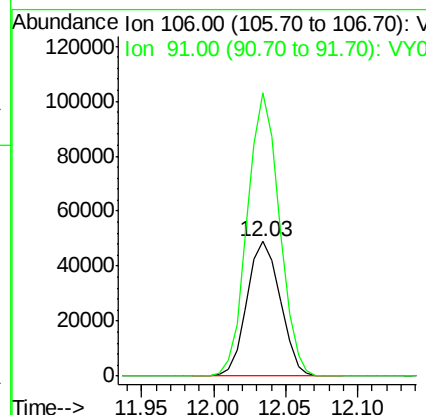
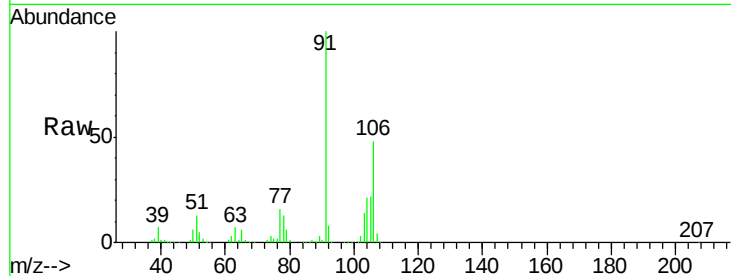
#69
o-Xylene
Concen: 54.245 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.6	105.8	317.3

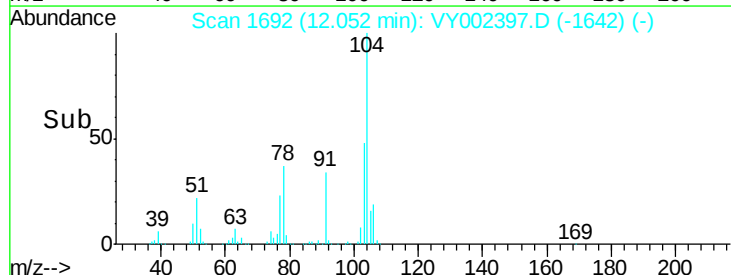
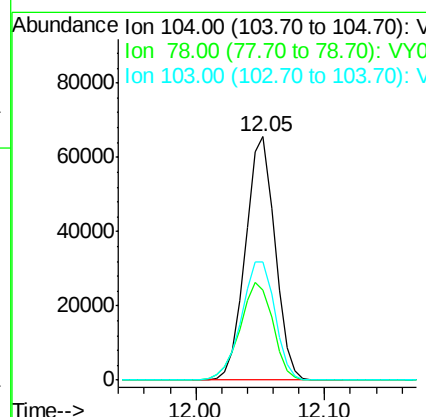
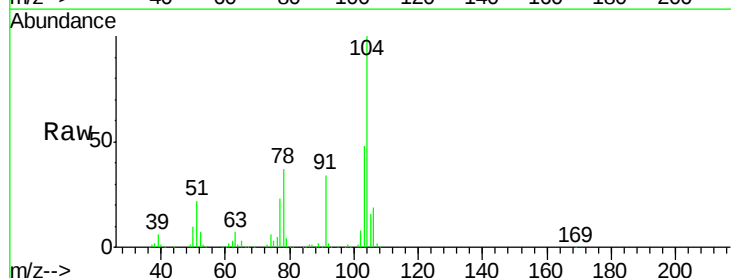
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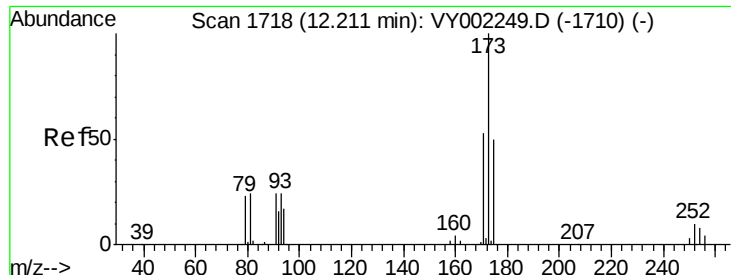
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#70
Styrene
Concen: 41.154 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.0	37.2	55.8
103	55.6	43.4	65.0





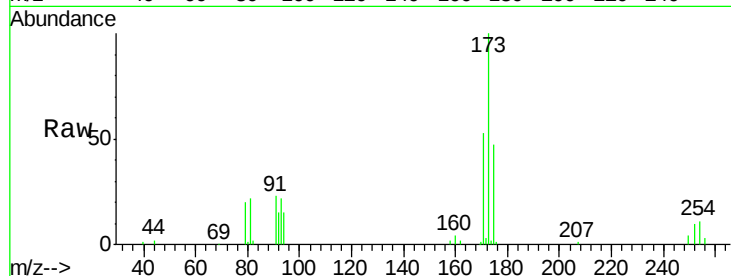
#71
Bromoform
Concen: 58.928 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

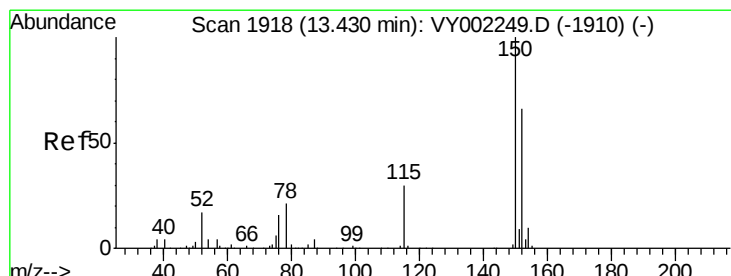
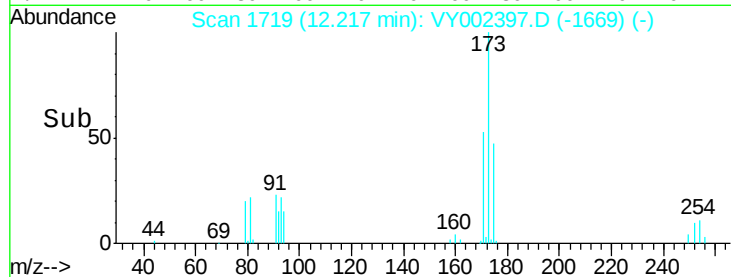
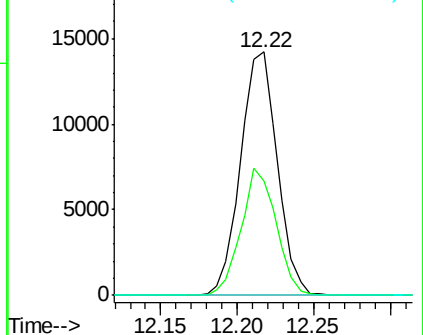
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.3
254	0.0	0.0	0.0

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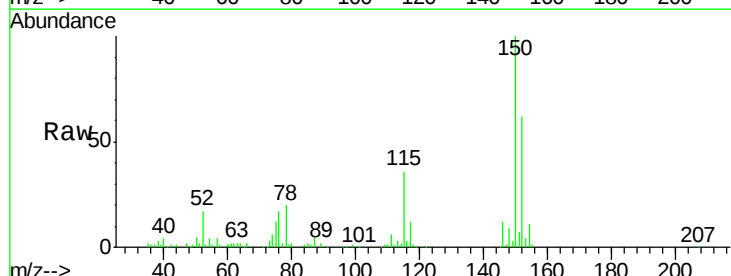


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

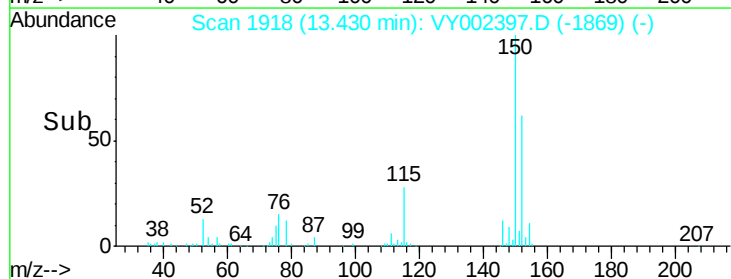
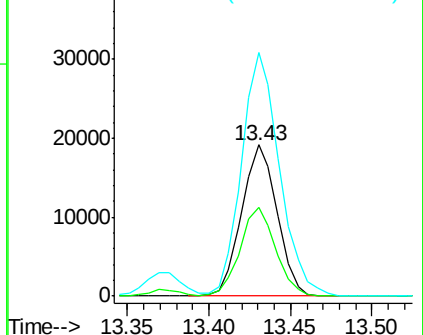


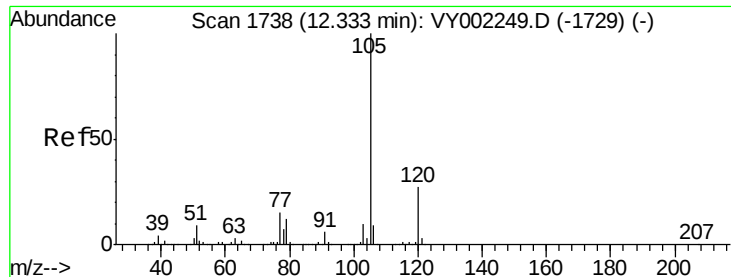
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.7	92.1
150	172.6	0.0	350.6



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: 77.601 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Instrument :

MSVOA_Y

ClientSampleId :

BG-4MS

Tot Ion:105 Resp: 176967

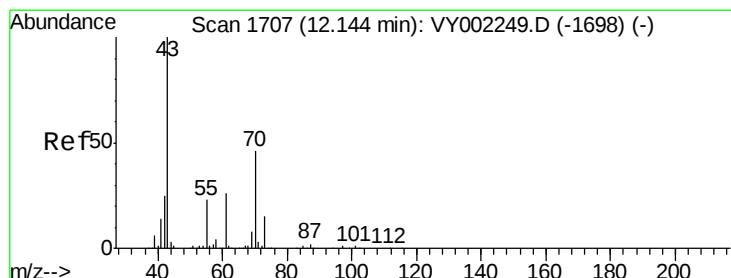
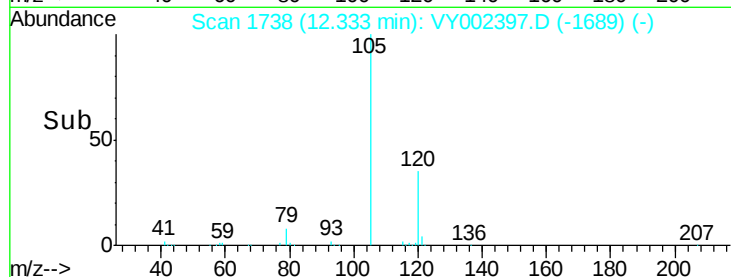
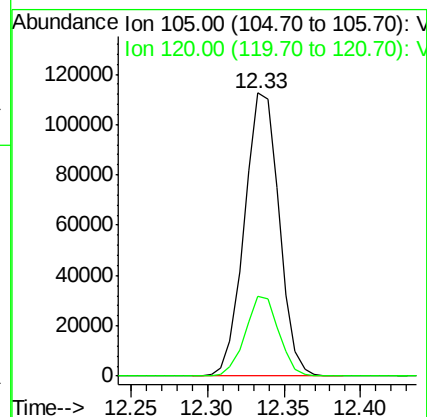
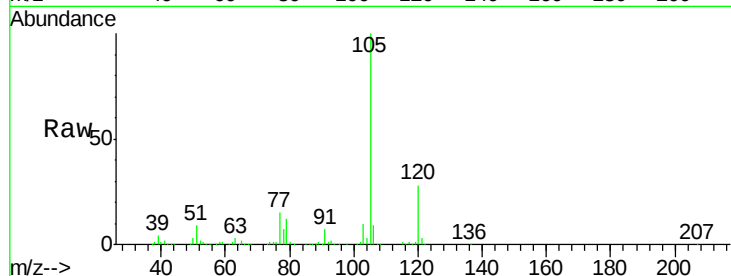
Ion Ratio Lower Upper

105 100

120 27.3 13.3 39.8

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#74

N-ethyl acetate

Concen: 1.899 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Tgt Ion: 43 Resp: 1229

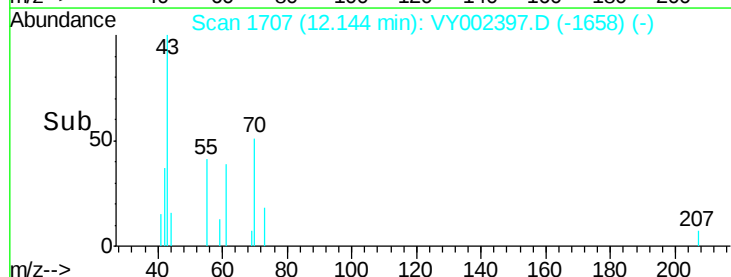
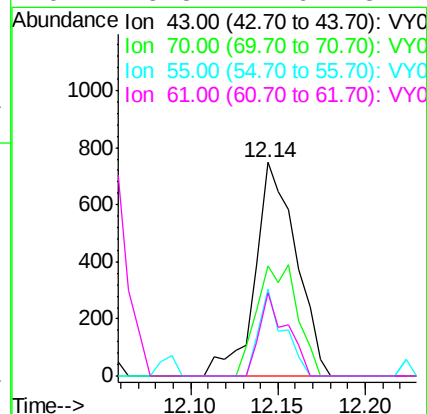
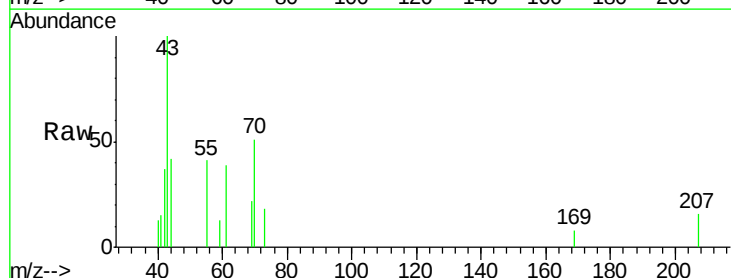
Ion Ratio Lower Upper

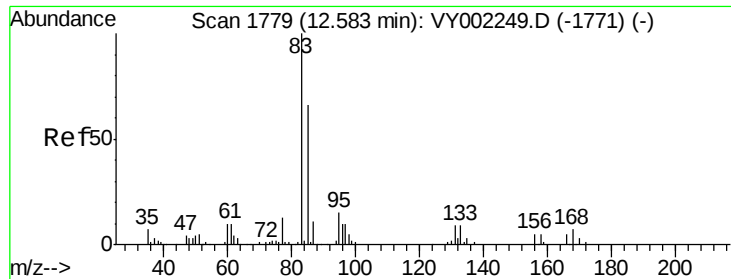
43 100

70 51.7 37.5 56.3

55 24.6 19.0 28.6

61 25.8 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 114.575 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Instrument :

MSVOA_Y

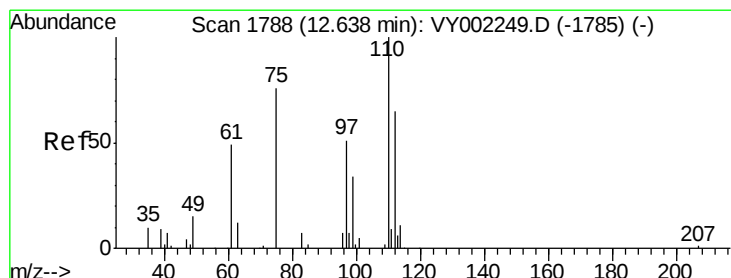
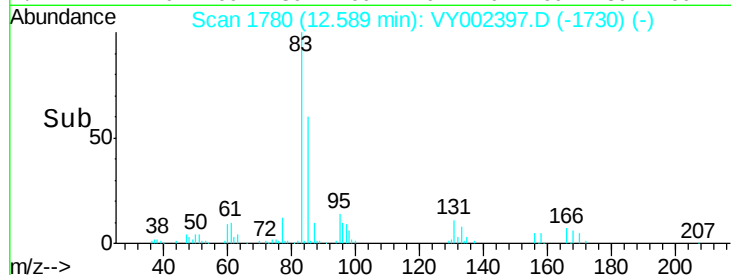
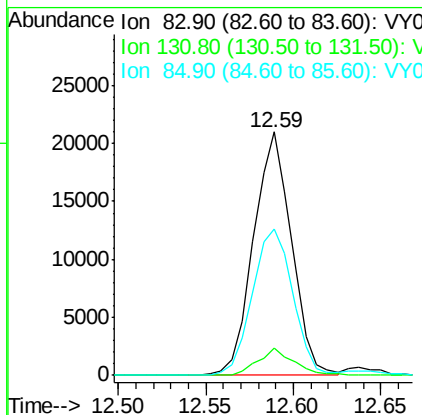
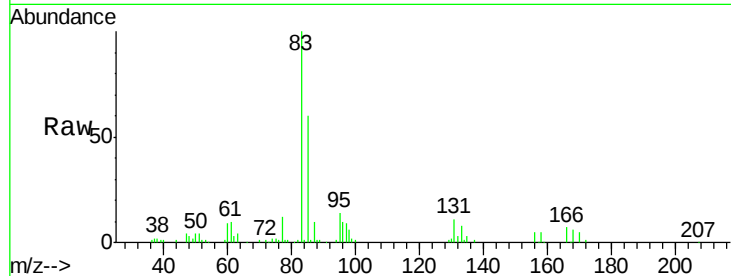
ClientSampleId :

BG-4MS

Tot Ion:	83	Resp:	31612
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.9	14.7
85	64.2	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 97.120 ug/l m

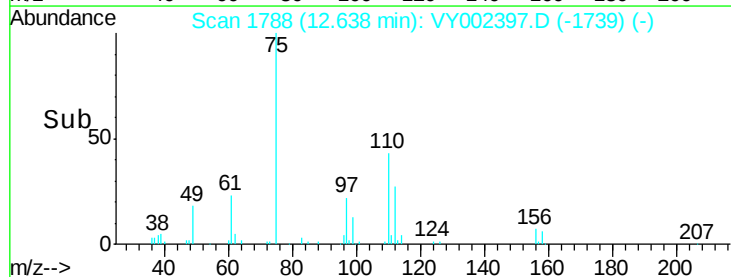
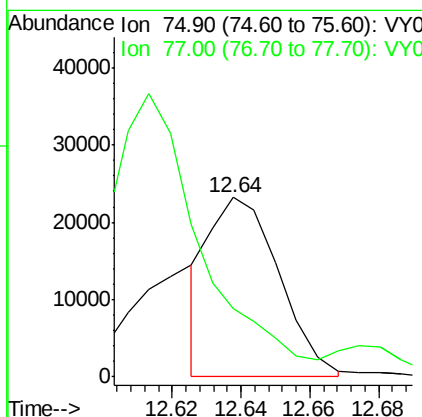
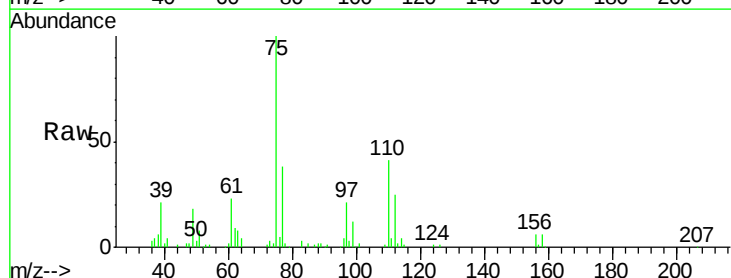
RT: 12.64 min Scan# 1788

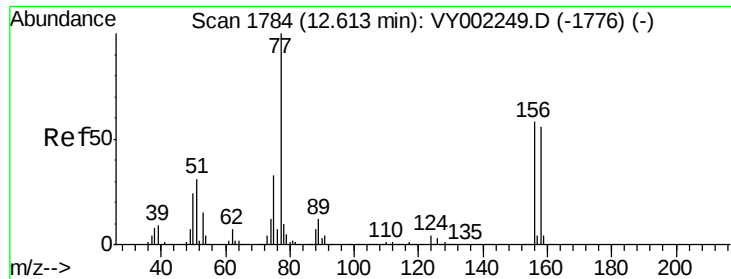
Delta R.T. 0.00 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Tgt Ion:	75	Resp:	32737
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 68.033 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Instrument :

MSVOA_Y

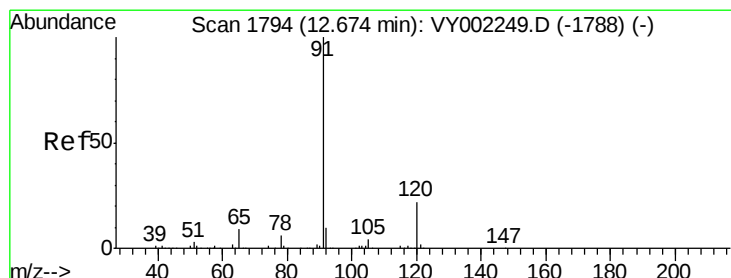
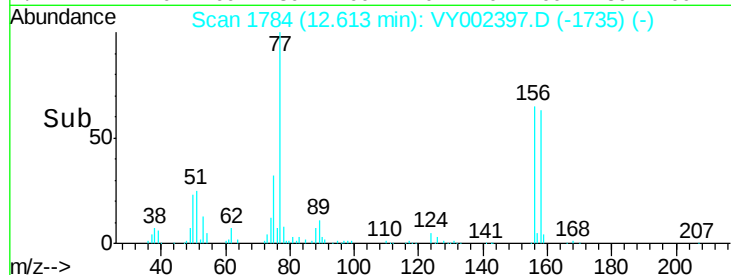
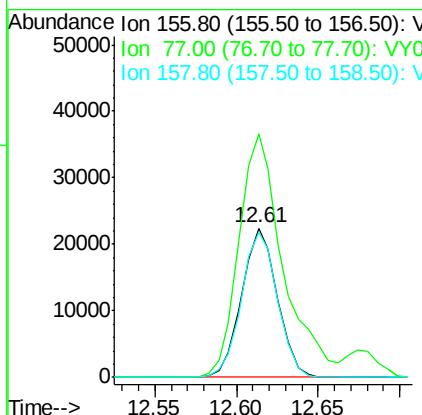
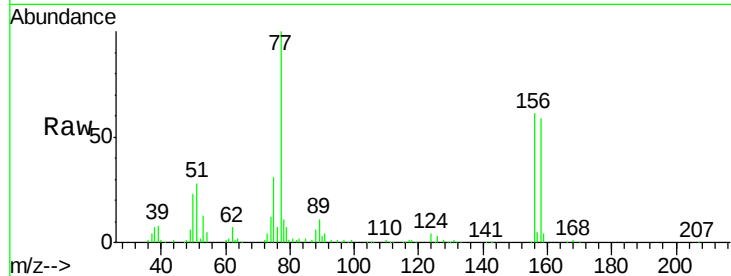
ClientSampleId :

BG-4MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	203.0	101.3	303.9
158	97.6	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 60.978 ug/l

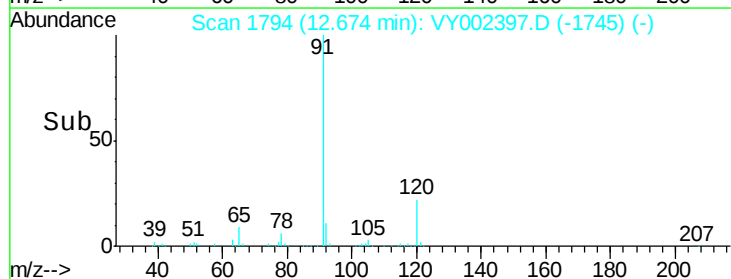
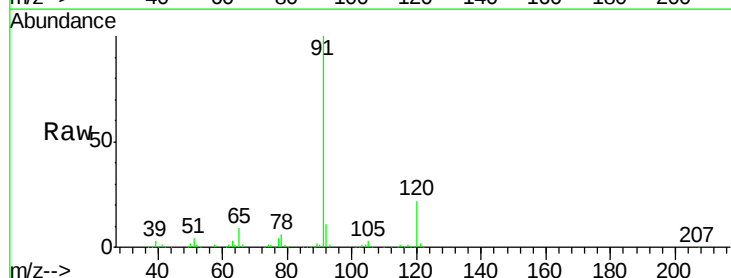
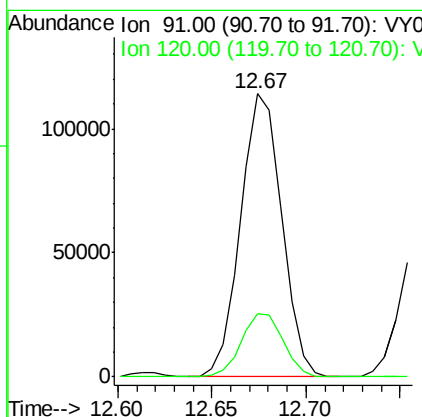
RT: 12.67 min Scan# 1794

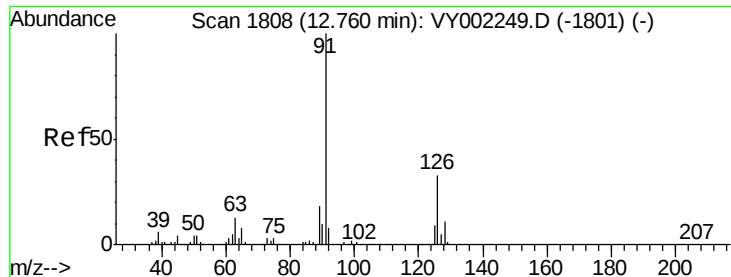
Delta R.T. 0.00 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.2	33.5





#79

2-Chlorotoluene

Concen: 63.153 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Instrument :

MSVOA_Y

ClientSampleId :

BG-4MS

Tot Ion: 91 Resp: 97341

Ion Ratio Lower Upper

91 100

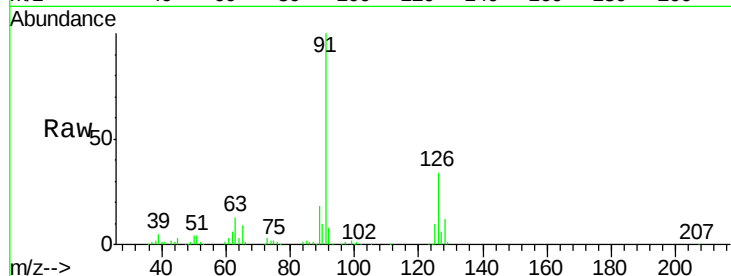
126 34.1 16.9 50.7

Manual Integrations

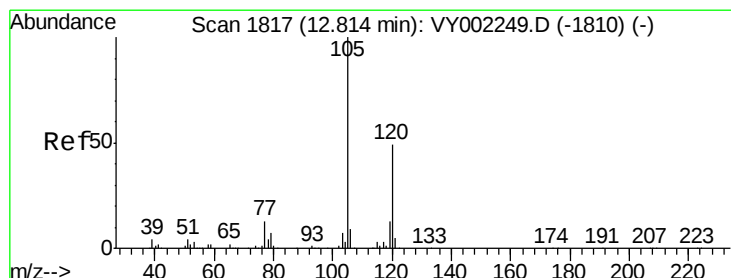
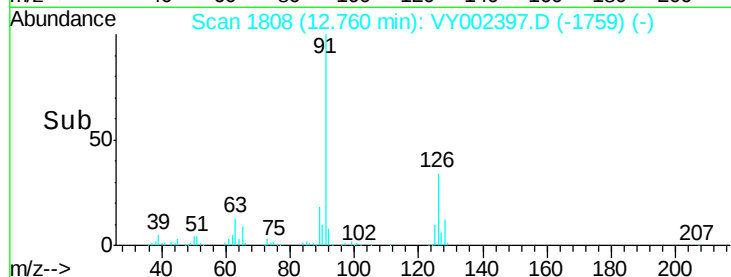
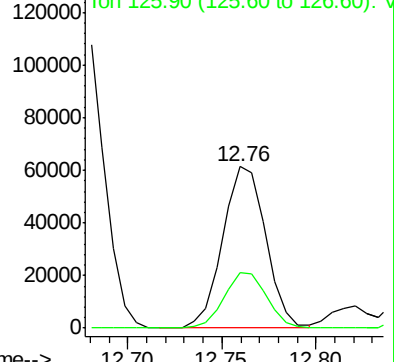
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Abundance Ion 91.00 (90.70 to 91.70): VY002397.D (-1759) (-)



#80

1,3,5-Trimethylbenzene

Concen: 67.785 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY002397.D

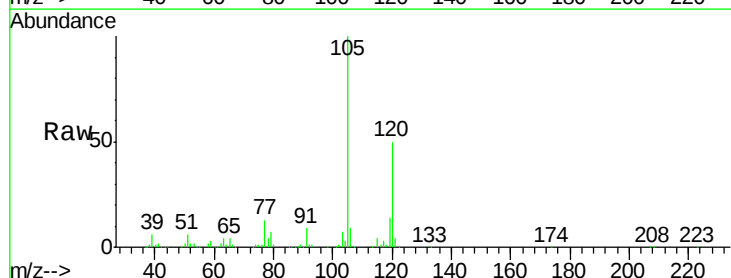
Acq: 17 Apr 2020 14:28

Tgt Ion: 105 Resp: 127843

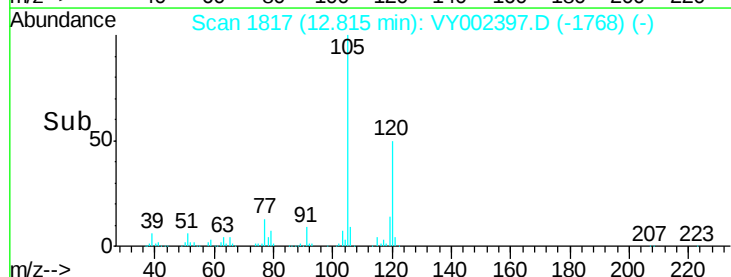
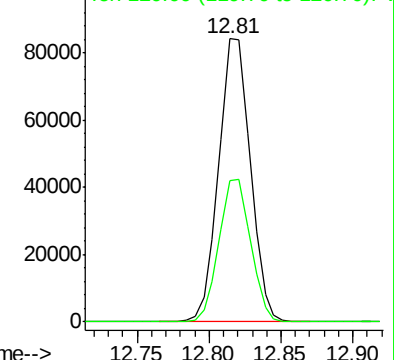
Ion Ratio Lower Upper

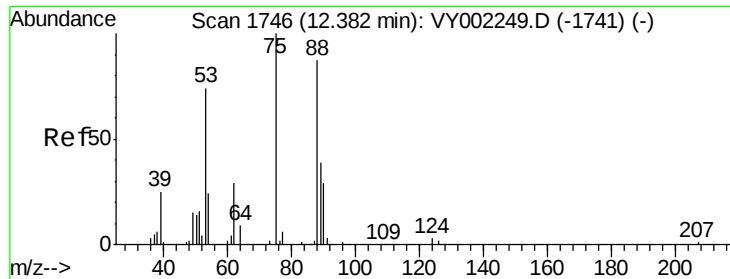
105 100

120 50.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VY002397.D (-1768) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 78.202 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Instrument :

MSVOA_Y

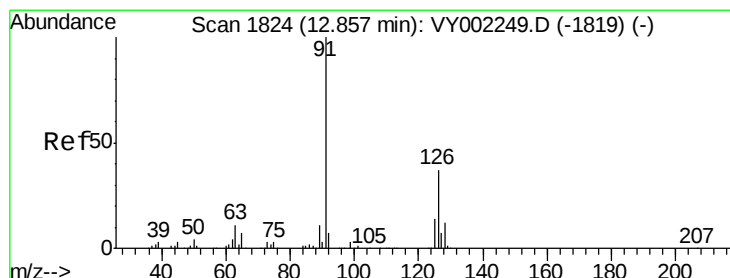
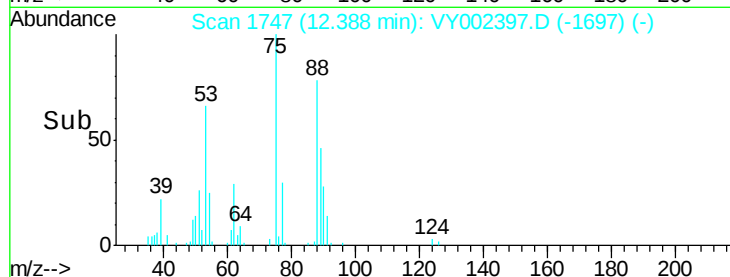
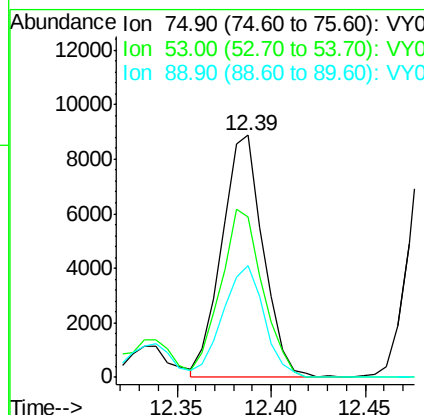
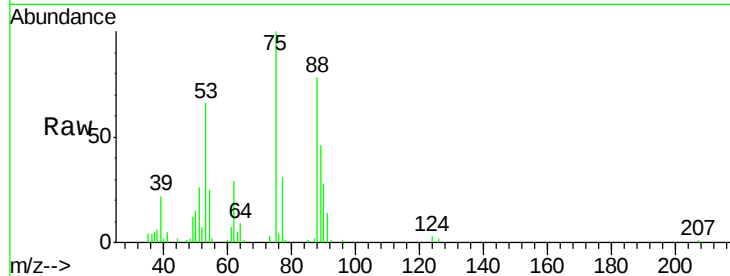
ClientSampleId :

BG-4MS

Tot Ion:	75	Resp:	13553
Ion	Ratio	Lower	Upper
75	100		
53	70.6	59.8	89.8
89	46.1	37.0	55.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 54.654 ug/l

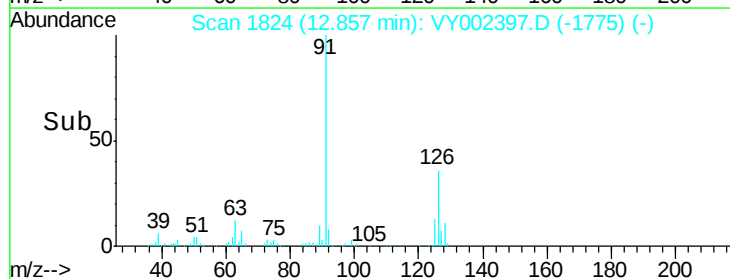
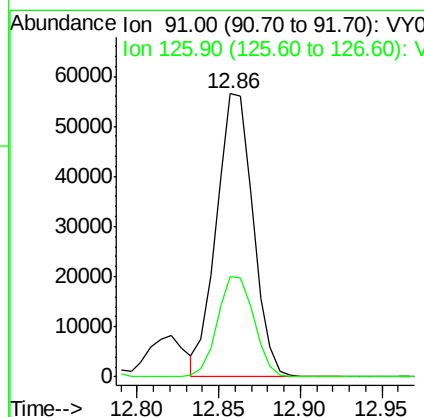
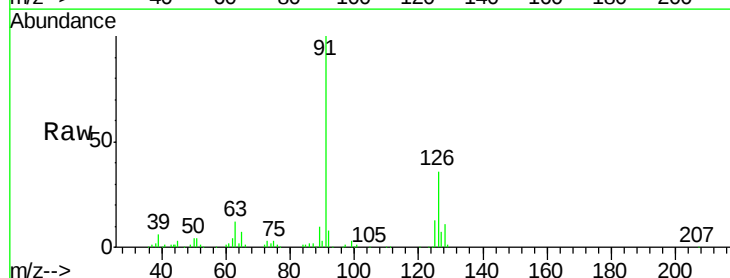
RT: 12.86 min Scan# 1824

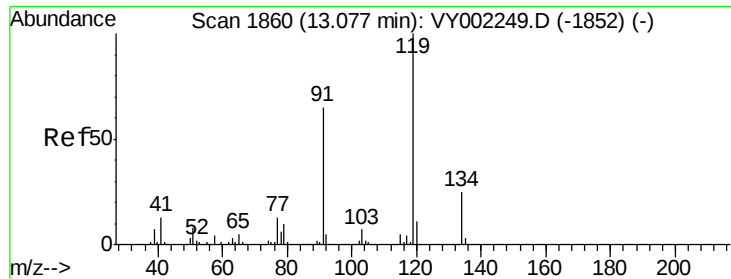
Delta R.T. 0.00 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Tgt Ion:	91	Resp:	88294
Ion	Ratio	Lower	Upper
91	100		
126	35.4	16.9	50.7





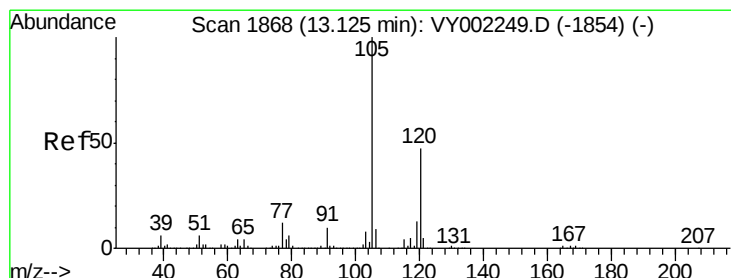
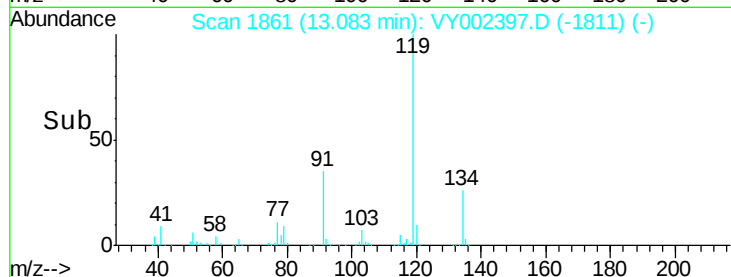
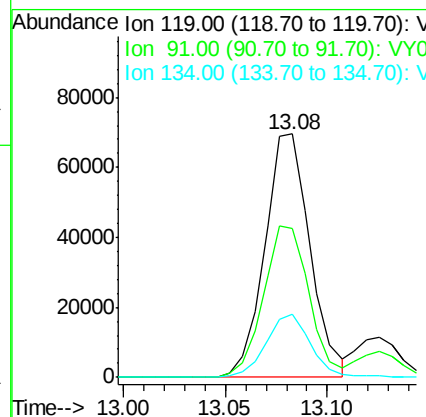
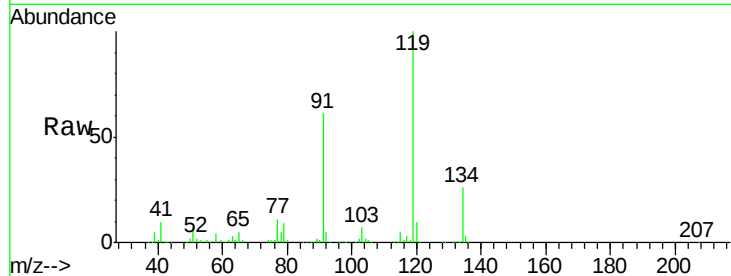
#83
 tert-Butylbenzene
 Concen: 68.045 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.01 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	107495		
91	62.7		32.4	97.0
134	25.6		12.6	37.6

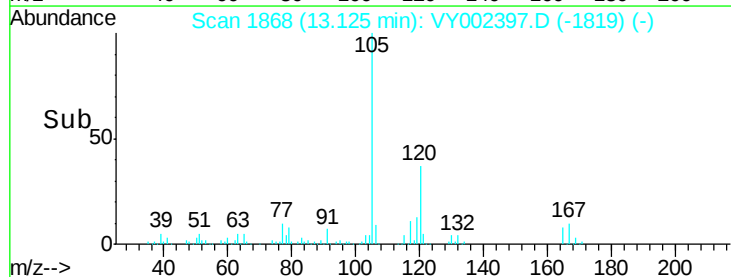
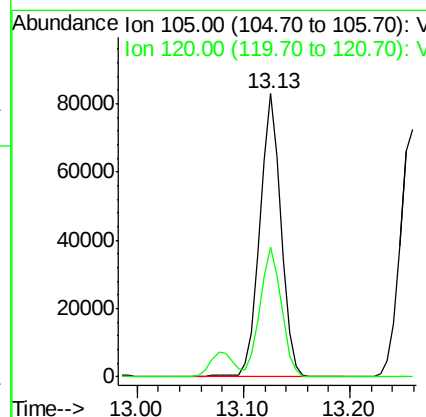
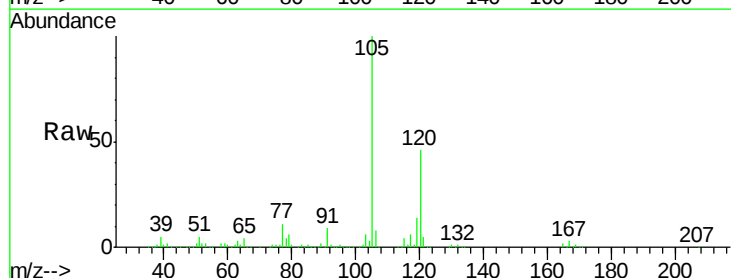
Manual Integrations
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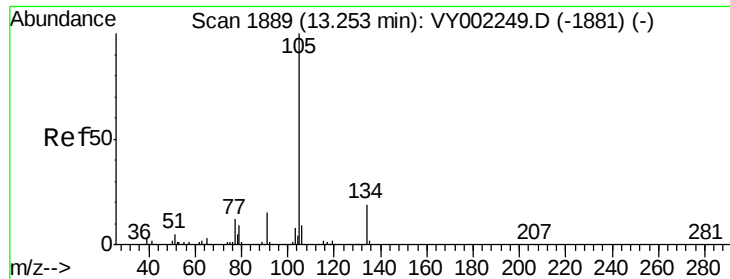
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#84
 1,2,4-Trimethylbenzene
 Concen: 61.673 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	116150		
120	45.9		23.1	69.2





#85

sec-Butylbenzene

Concen: 46.429 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Instrument :

MSVOA_Y

ClientSampleId :

BG-4MS

Tot Ion:105 Resp: 109263

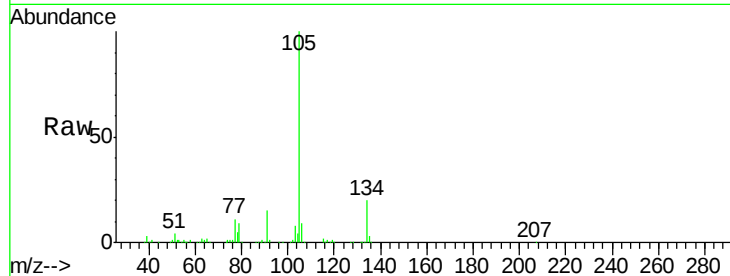
Ion Ratio Lower Upper

105 100

134 20.1 9.8 29.3

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

80000

60000

40000

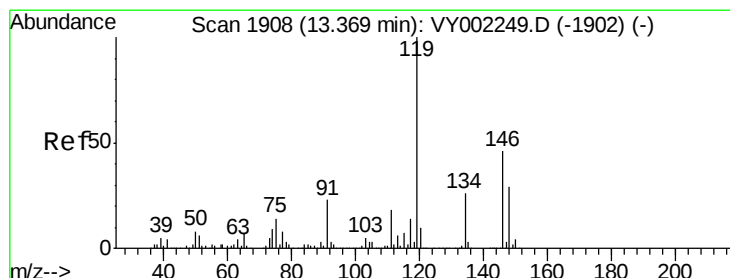
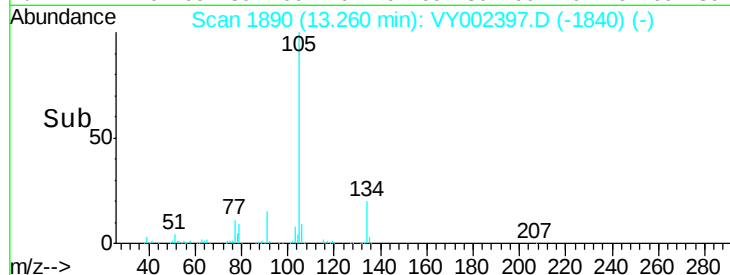
20000

0

13.20

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 7.738 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

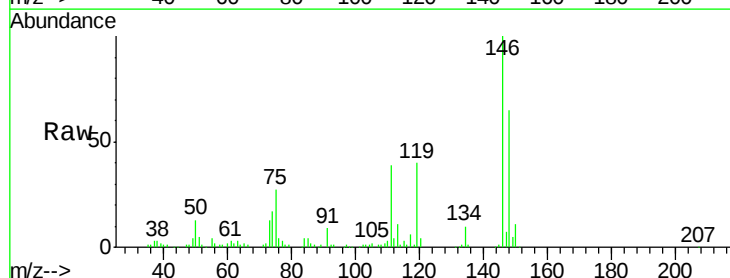
Tgt Ion:119 Resp: 15672

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

91 22.0 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

15000

10000

5000

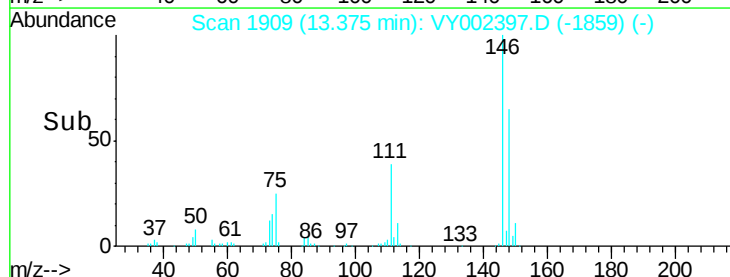
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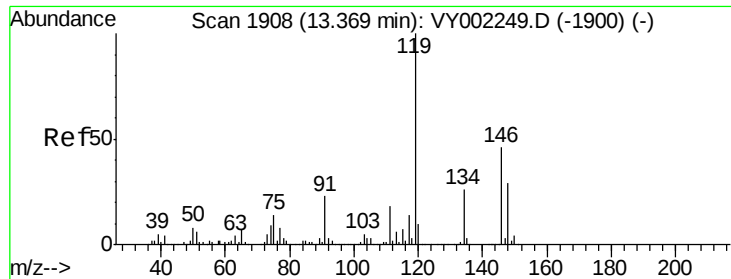
13.30

13.35

13.40

Time-->





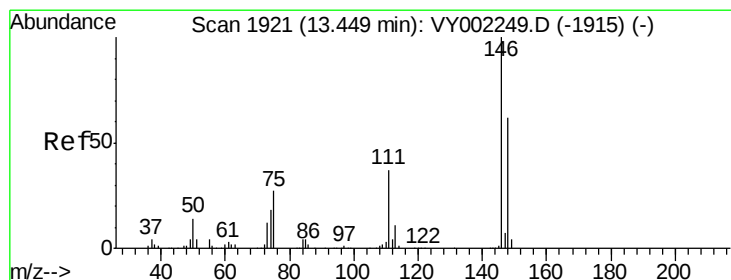
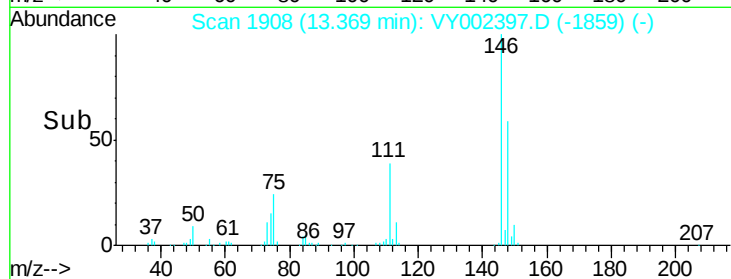
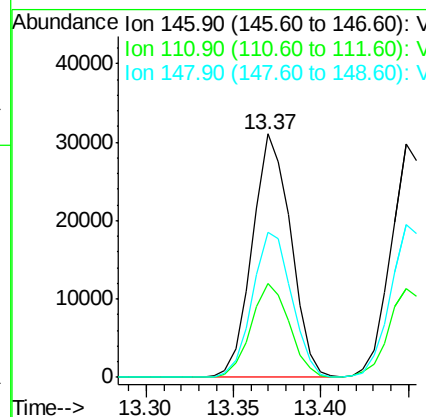
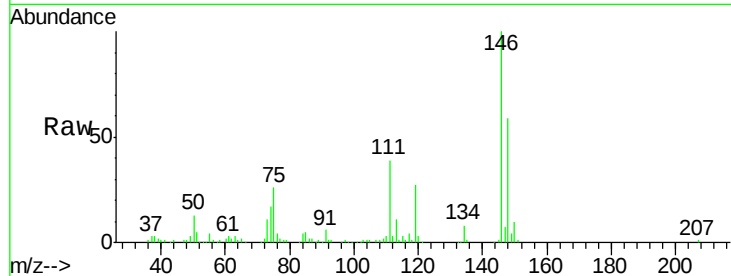
#87
 1,3-Dichlorobenzene
 Concen: 48.776 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.3	60.8
148	61.1	32.1	96.3

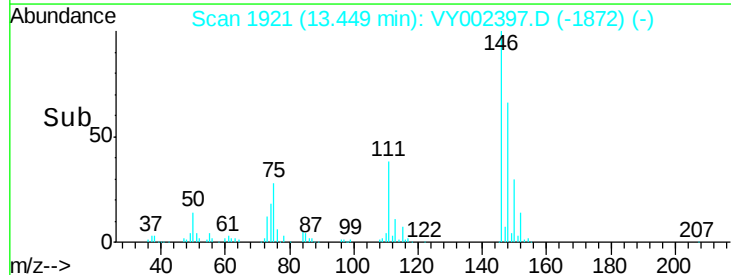
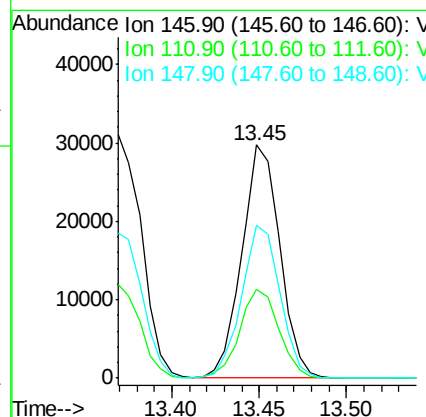
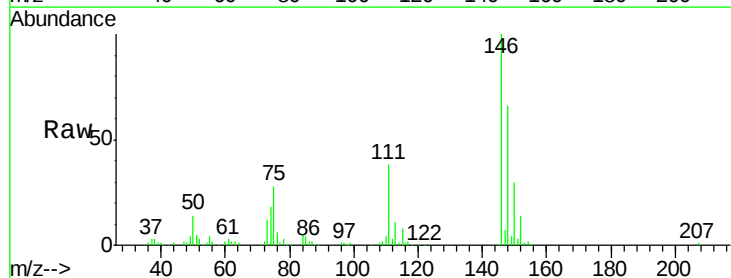
Manual Integrations
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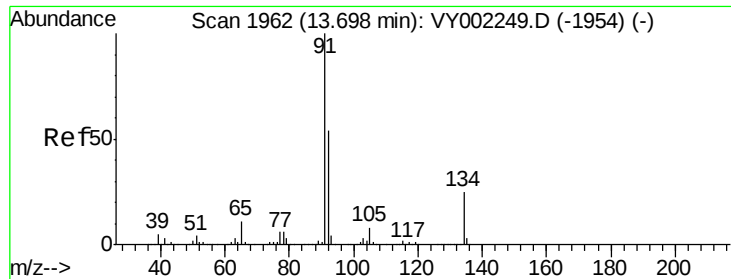
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#88
 1,4-Dichlorobenzene
 Concen: 45.732 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.8
148	66.1	32.0	96.0





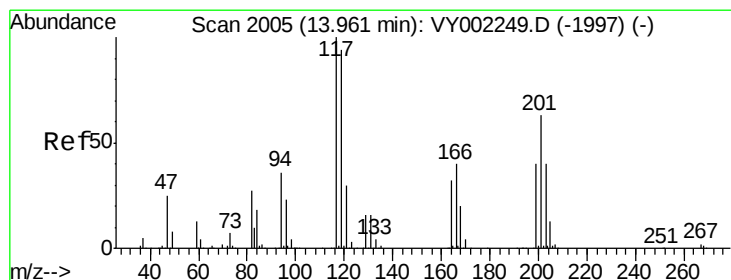
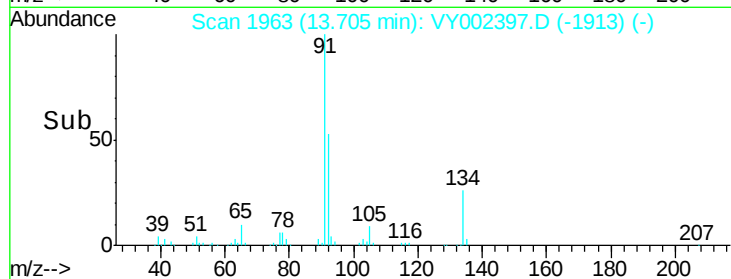
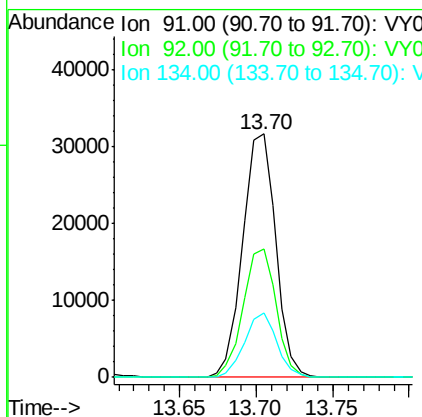
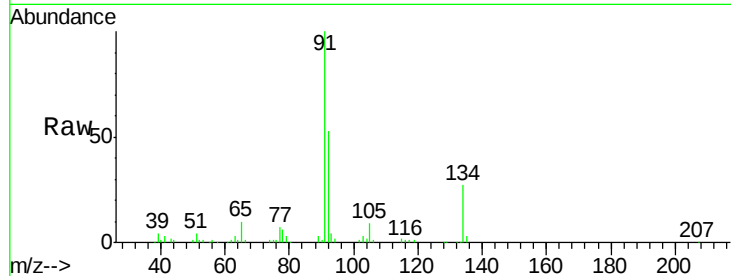
#89
n-Butylbenzene
Concen: 22.847 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	27.2	81.6
134	25.8	12.7	38.0

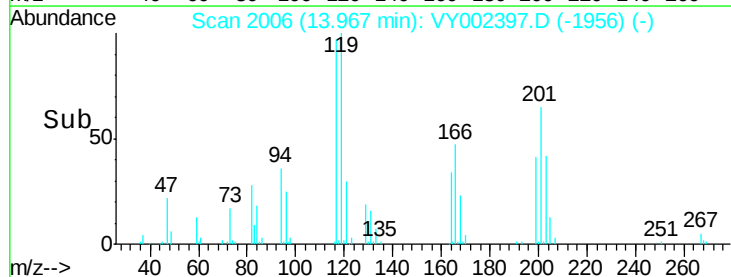
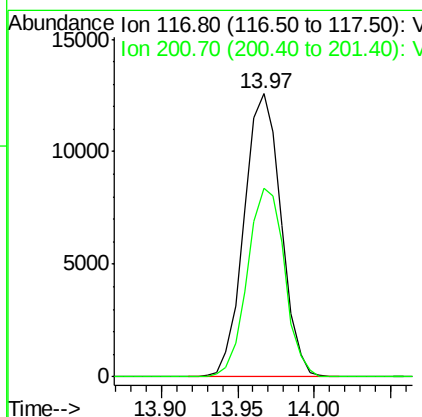
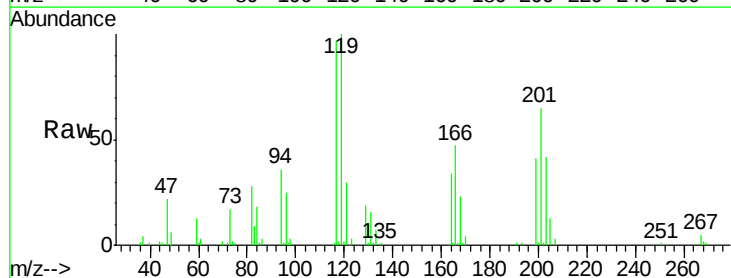
Manual Integrations
APPROVED

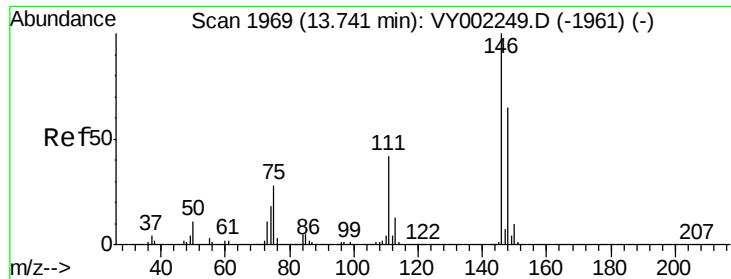
MMDadoda
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#90
Hexachloroethane
Concen: 54.655 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.01 min
Lab File: VY002397.D
Acq: 17 Apr 2020 14:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.1	33.1	99.2





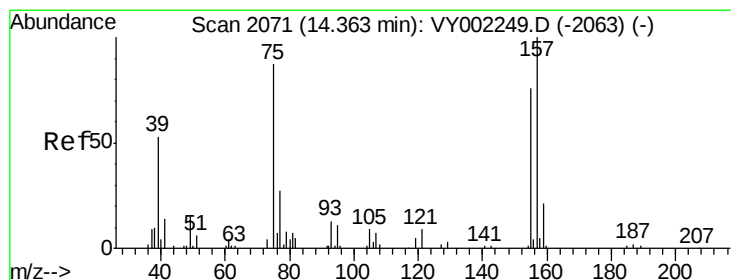
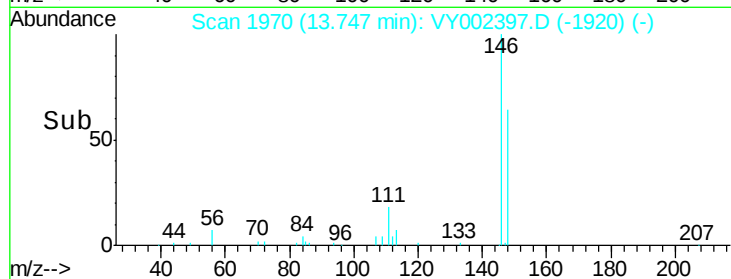
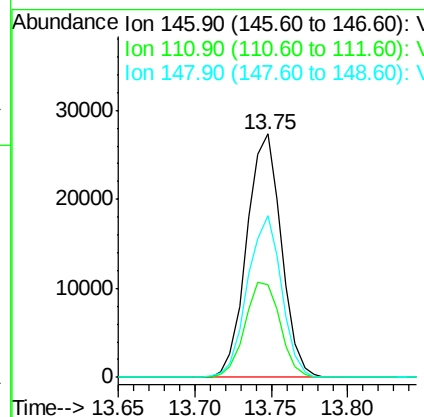
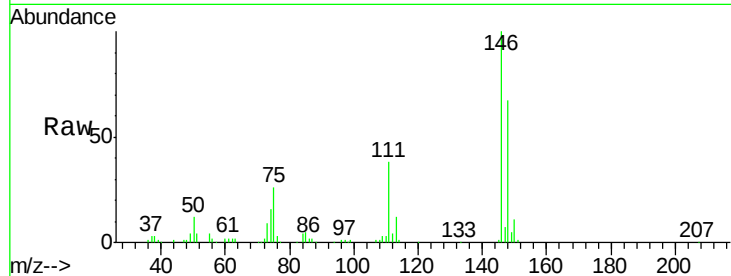
#91
 1,2-Dichlorobenzene
 Concen: 48.488 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.01 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.1	63.1
148	65.4	31.9	95.9

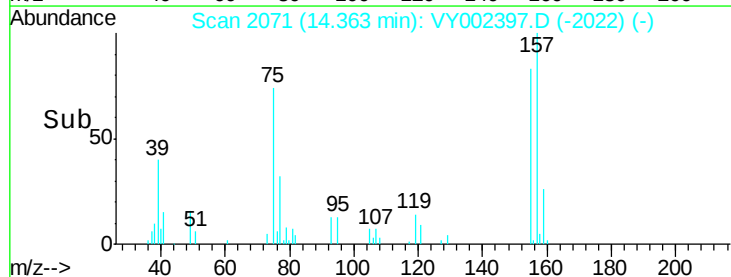
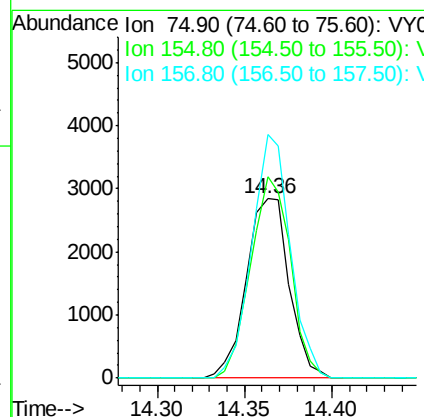
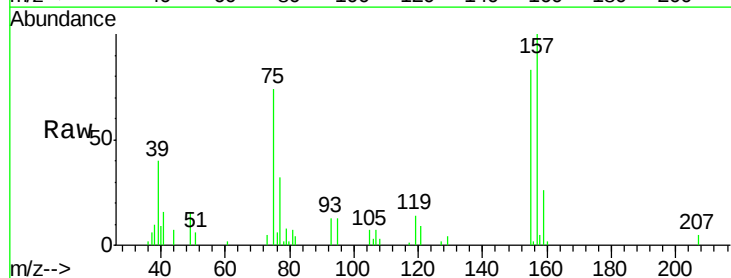
Manual Integrations
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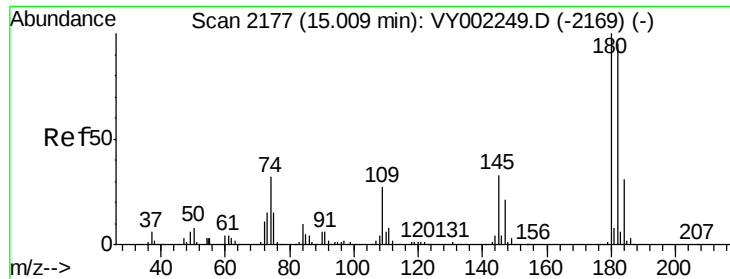
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 72.487 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.5	43.6	130.8
157	121.7	56.0	168.2





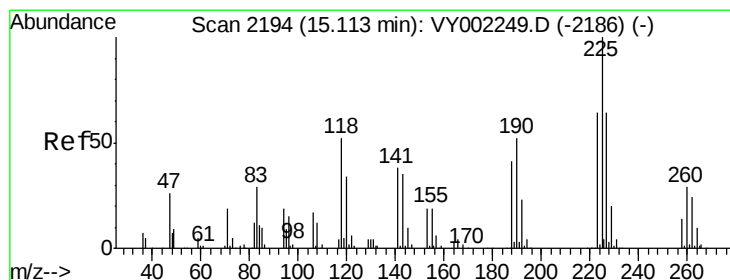
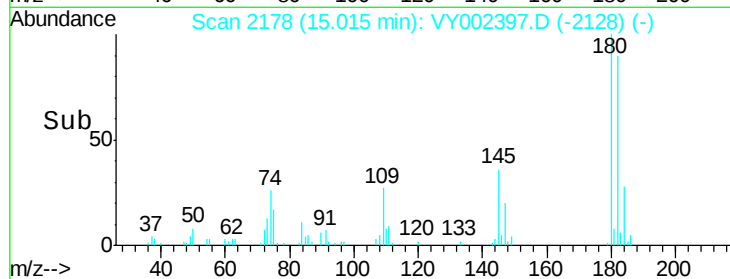
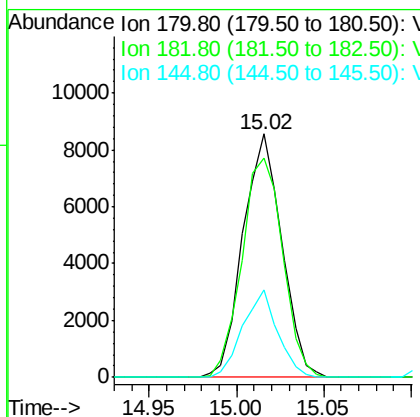
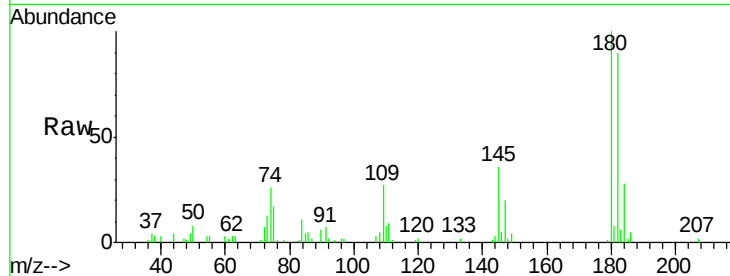
#93
 1,2,4-Trichlorobenzene
 Concen: 22.962 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.01 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.7
145	32.2	16.0	48.0

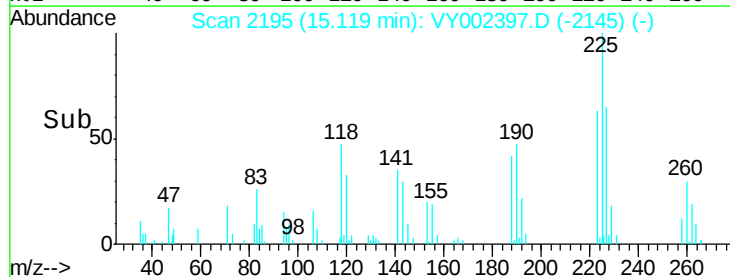
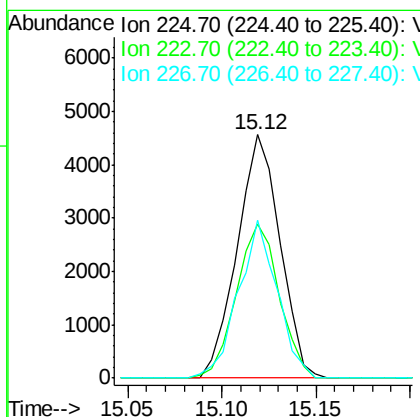
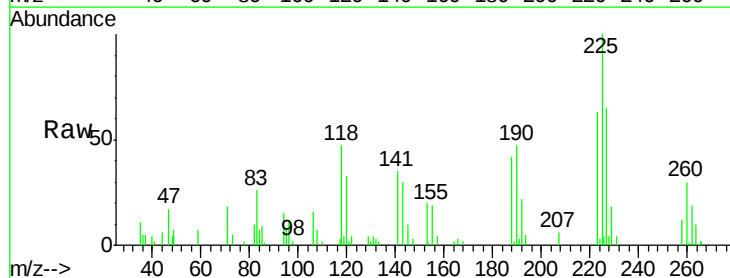
Manual Integrations
 APPROVED

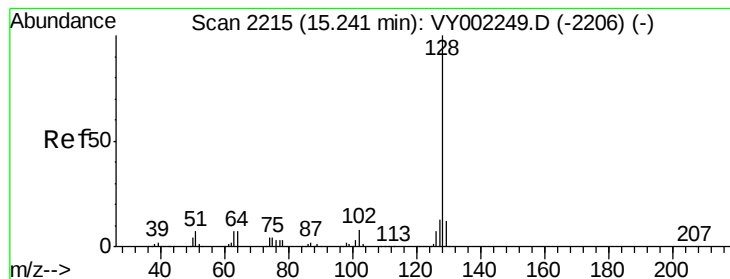
MMDadoda
 4/20/2020 11:41:11 AM



#94
 Hexachlorobutadiene
 Concen: 24.640 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: VY002397.D
 Acq: 17 Apr 2020 14:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.0	93.0
227	59.0	31.3	93.9





#95

Naphthalene

Concen: 27.745 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Instrument :

MSVOA_Y

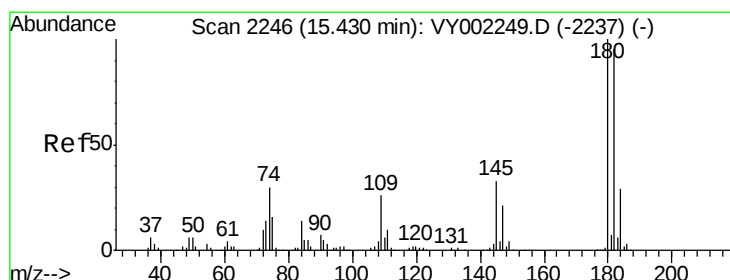
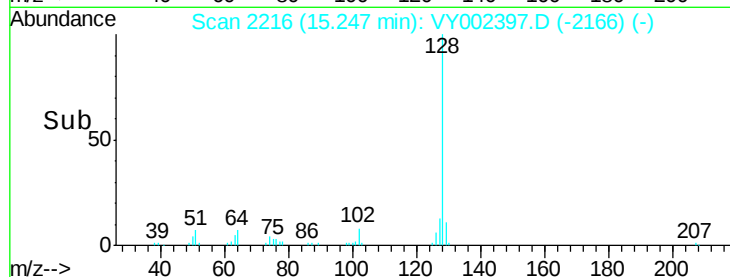
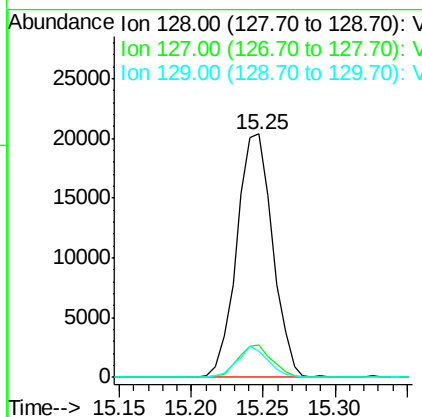
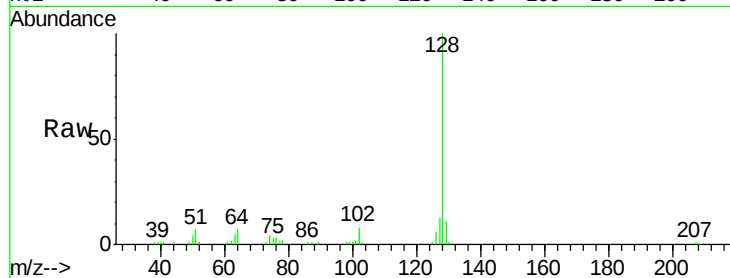
ClientSampled :

BG-4MS

Tot Ion:	128	Resp:	35083
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/20/2020 11:41:11 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.125 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VY002397.D

Acq: 17 Apr 2020 14:28

Tgt Ion:	180	Resp:	11095
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.1	141.3
145	31.6	16.7	50.1

