

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
 Data File : VY002378.D
 Acq On : 16 Apr 2020 19:22
 Operator : SY/MD
 Sample : L2271-05MS
 Misc : 4.85G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:52:16 AM

Quant Time: Apr 17 08:21:13 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	18781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	33814	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	26392	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	8095	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	10842	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
35) Dibromofluoromethane	7.74	113	11075	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
50) Toluene-d8	10.19	98	39668	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
62) 4-Bromofluorobenzene	12.49	95	9892	35.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.20%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	9798	51.620	ug/l 91
3) Chloromethane	2.12	50	11742	49.153	ug/l 98
4) Vinyl Chloride	2.26	62	11974	47.092	ug/l 97
5) Bromomethane	2.66	94	8417	53.605	ug/l 98
6) Chloroethane	2.82	64	7191	49.038	ug/l 90
7) Trichlorofluoromethane	3.15	101	17001	51.773	ug/l 92
8) Diethyl Ether	3.55	74	9050	64.829	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.92	101	11319	50.745	ug/l 96
10) Methyl Iodide	4.11	142	8204	31.642	ug/l 99
11) Tert butyl alcohol	4.97	59	8375	395.979	ug/l # 87
12) 1,1-Dichloroethene	3.89	96	11760	51.857	ug/l 96
13) Acrolein	3.75	56	258	9.581	ug/l # 54
14) Allyl chloride	4.50	41	17100	46.695	ug/l 97
15) Acrylonitrile	5.19	53	20073	281.182	ug/l 100
16) Acetone	3.97	43	15681	285.059	ug/l 95
17) Carbon Disulfide	4.21	76	33430	44.387	ug/l 98
18) Methyl Acetate	4.50	43	42911	251.488	ug/l 99
19) Methyl tert-butyl Ether	5.25	73	37955	63.663	ug/l 93
20) Methylene Chloride	4.74	84	16705	61.783	ug/l 90
21) trans-1,2-Dichloroethene	5.24	96	12744	50.066	ug/l 92
22) Diisopropyl ether	6.14	45	43315	58.775	ug/l # 88
23) Vinyl Acetate	6.14	43	20206	43.024	ug/l # 70
24) 1,1-Dichloroethane	6.04	63	24042	57.355	ug/l 95
25) 2-Butanone	7.01	43	23808	273.481	ug/l 92
26) 2,2-Dichloropropane	7.01	77	16968	48.390	ug/l 99
27) cis-1,2-Dichloroethene	7.00	96	15190	54.744	ug/l 96
28) Bromochloromethane	7.36	49	11076	61.210	ug/l 98
29) Tetrahydrofuran	7.37	42	18668	324.403	ug/l 99
30) Chloroform	7.53	83	21832	55.251	ug/l 96
31) Cyclohexane	7.80	56	18266	41.513	ug/l 95
32) 1,1,1-Trichloroethane	7.72	97	17555	53.377	ug/l 97
36) 1,1-Dichloropropene	7.94	75	15903	47.748	ug/l 98
37) Ethyl Acetate	7.08	43	1419m	7.458	ug/l
38) Carbon Tetrachloride	7.92	117	13704	48.102	ug/l 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	15328	33.832	ug/l	92
40) Benzene	8.18	78	54296	53.731	ug/l	97
41) Methacrylonitrile	7.33	41	4493m	40.029	ug/l	
42) 1,2-Dichloroethane	8.25	62	14269	57.003	ug/l	99
43) Isopropyl Acetate	8.30	43	4344	12.518	ug/l #	61
44) Trichloroethene	8.96	130	16730	56.312	ug/l	92
45) 1,2-Dichloropropane	9.23	63	14772	58.917	ug/l	95
46) Dibromomethane	9.32	93	7635	58.241	ug/l	98
47) Bromodichloromethane	9.51	83	16644	55.333	ug/l	99
48) Methyl methacrylate	9.30	41	10116	65.013	ug/l	95
49) 1,4-Dioxane	9.30	88	3092	1667.385	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	47267	261.399	ug/l	98
52) Toluene	10.26	92	29793	48.922	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	15837	48.323	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	18869	47.889	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	11199	58.350	ug/l	94
56) Ethyl methacrylate	10.52	69	1141	4.165	ug/l #	69
57) 1,3-Dichloropropane	10.80	76	19262	57.098	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	34931	246.248	ug/l	97
59) 2-Hexanone	10.85	43	25776	205.393	ug/l	99
60) Dibromochloromethane	11.00	129	10236	50.016	ug/l	100
61) 1,2-Dibromoethane	11.10	107	9631	52.710	ug/l	98
64) Tetrachloroethene	10.73	164	14607	54.743	ug/l	99
65) Chlorobenzene	11.53	112	26356	48.041	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	10153	56.054	ug/l	96
67) Ethyl Benzene	11.60	91	48285	48.077	ug/l	99
68) m/p-Xylenes	11.71	106	34697	92.238	ug/l	99
69) o-Xylene	12.04	106	17595	49.821	ug/l	97
70) Styrene	12.05	104	26169	42.710	ug/l	99
71) Bromoform	12.22	173	4972	50.477	ug/l #	98
73) Isopropylbenzene	12.34	105	40964	64.414	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	1528	19.859	ug/l	96
76) 1,2,3-Trichloropropane	12.64	75	7765m	82.606	ug/l	
77) Bromobenzene	12.62	156	9175	65.576	ug/l	99
78) n-propylbenzene	12.68	91	44423	56.165	ug/l	100
79) 2-Chlorotoluene	12.77	91	25335	58.942	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	30937	58.821	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	2190	45.314	ug/l	90
82) 4-Chlorotoluene	12.86	91	24610	54.627	ug/l	99
83) tert-Butylbenzene	13.09	119	25552	58.000	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	29241	55.676	ug/l	100
85) sec-Butylbenzene	13.27	105	31608	48.163	ug/l	98
86) p-Isopropyltoluene	13.38	119	20400	36.117	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	12730	46.947	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	13144	47.753	ug/l	97
89) n-Butylbenzene	13.70	91	19338	33.401	ug/l	99
90) Hexachloroethane	13.97	117	5038	46.807	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	11955	48.520	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.38	75	878	47.182	ug/l	91
93) 1,2,4-Trichlorobenzene	15.02	180	2966	18.417	ug/l	99

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QLast Update : Wed Apr 08 15:15:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.12	225	1758	21.673	ug/l	94
95) Naphthalene	15.25	128	6417	18.198	ug/l	96
96) 1,2,3-Trichlorobenzene	15.44	180	1850	13.229	ug/l	85

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

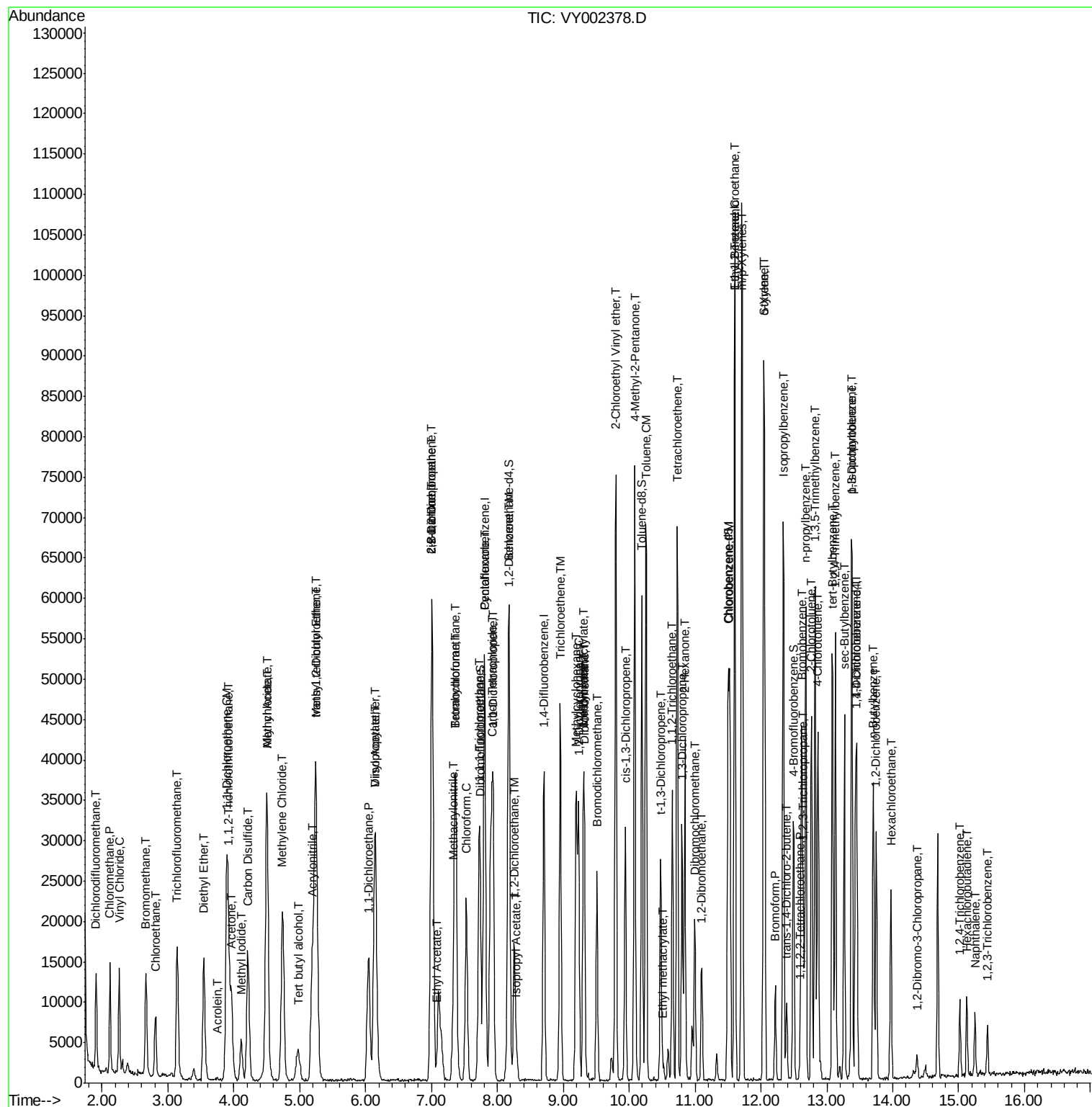
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
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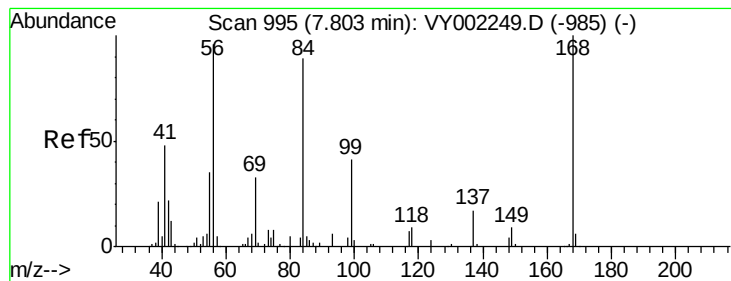
Instrument :
MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

Instrument :

MSVOA_Y

ClientSampled :

BG-4MS

Tot Ion:168 Resp: 18781

Ion Ratio Lower Upper

168 100

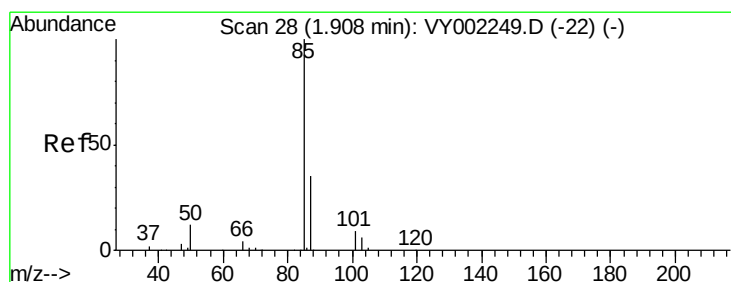
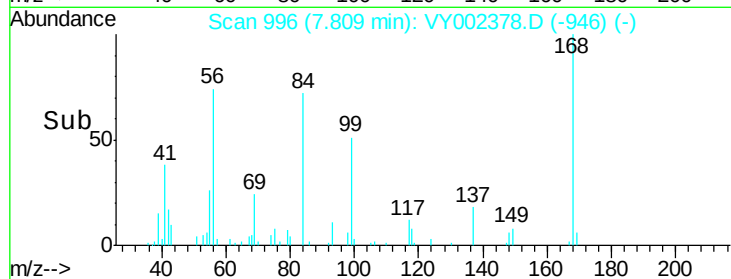
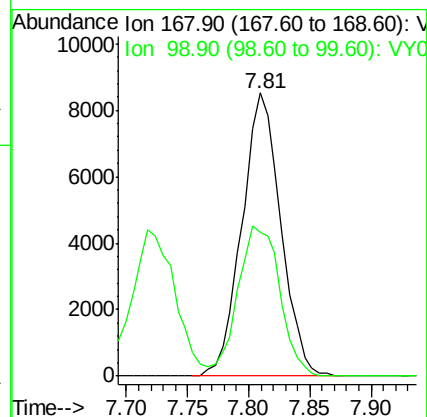
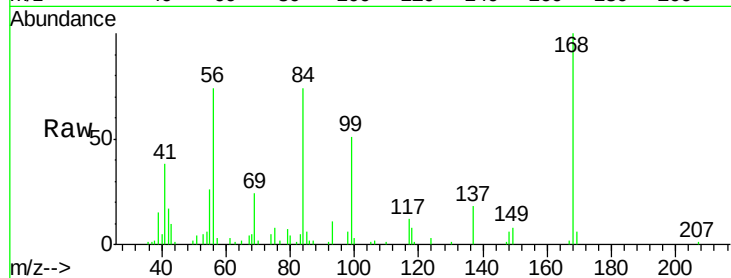
99 50.7 48.0 72.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 51.620 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.00 min

Lab File: VY002378.D

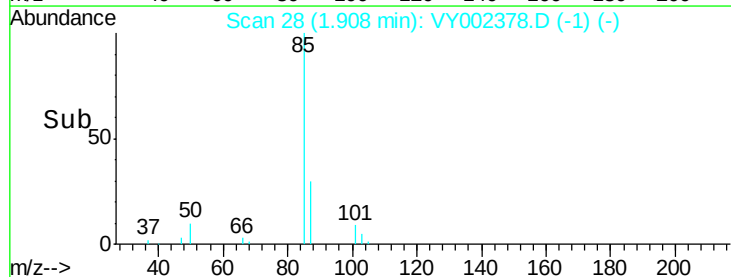
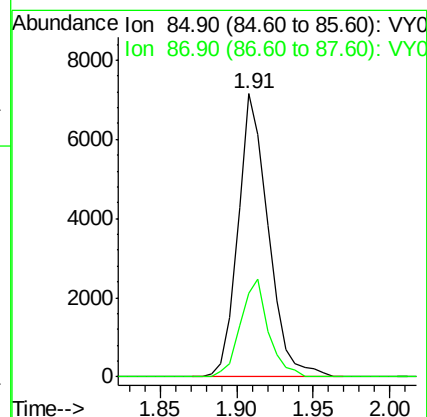
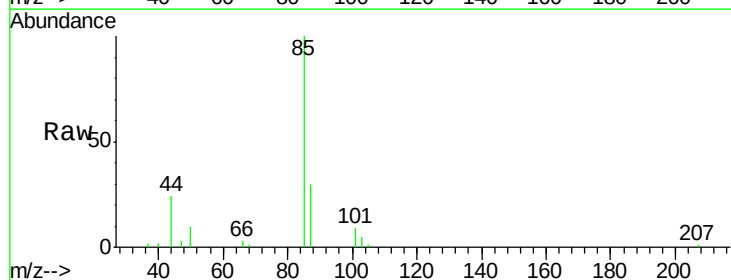
Acq: 16 Apr 2020 19:22

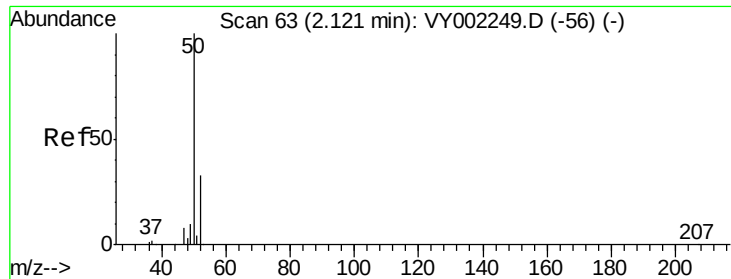
Tgt Ion: 85 Resp: 9798

Ion Ratio Lower Upper

85 100

87 29.6 17.3 51.9





#3

Chloromethane

Concen: 49.153 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

Instrument :

MSVOA_Y

ClientSampleId :

BG-4MS

Tot Ion: 50 Resp: 11742

Ion Ratio Lower Upper

50 100

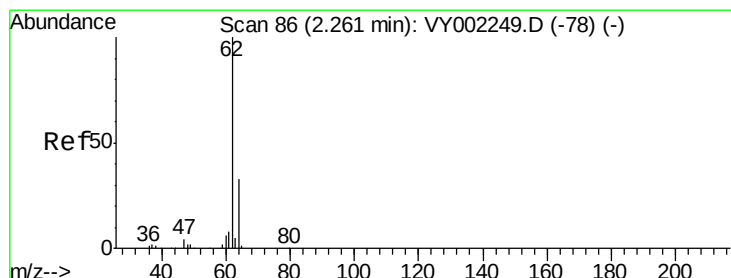
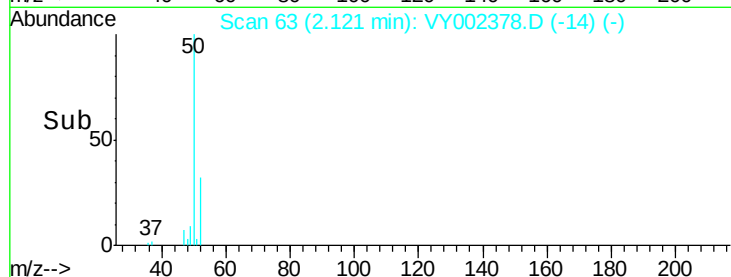
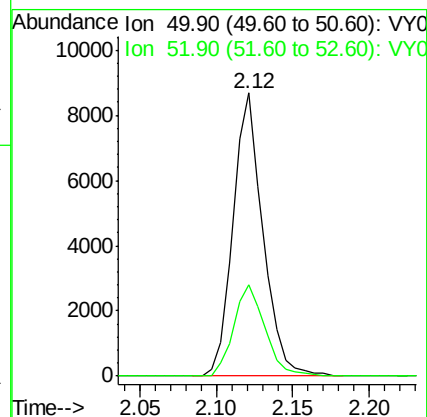
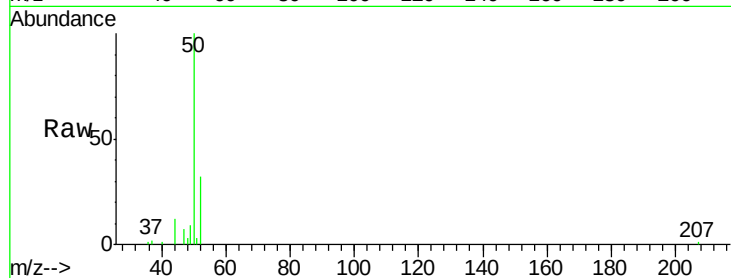
52 32.3 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.092 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY002378.D

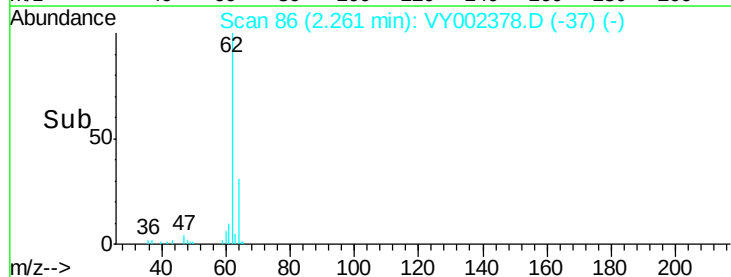
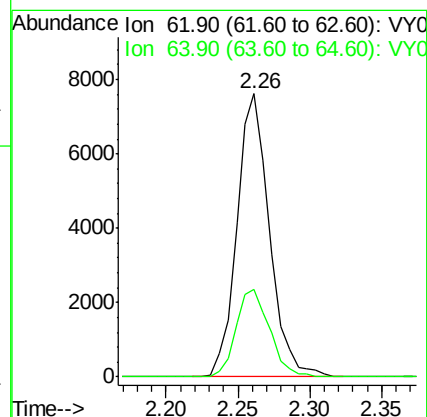
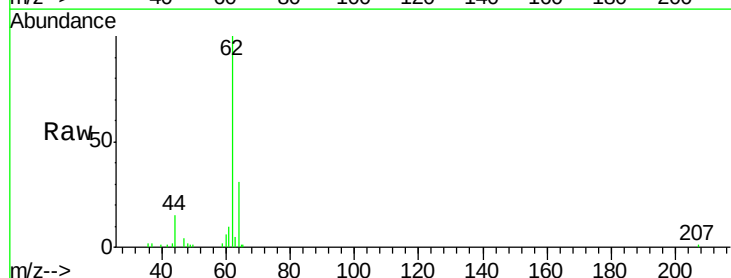
Acq: 16 Apr 2020 19:22

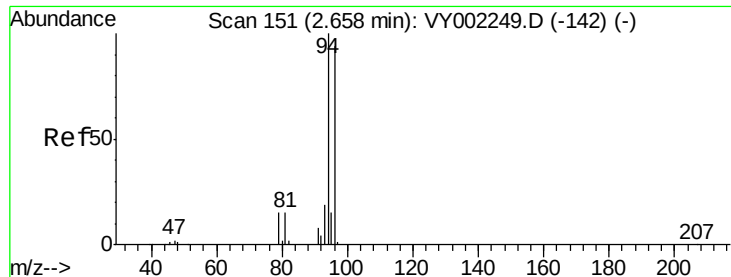
Tgt Ion: 62 Resp: 11974

Ion Ratio Lower Upper

62 100

64 30.9 26.2 39.2





#5

Bromomethane

Concen: 53.605 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

Instrument :

MSVOA_Y

ClientSampleId :

BG-4MS

Tot Ion: 94 Resp: 8417

Ion Ratio Lower Upper

94 100

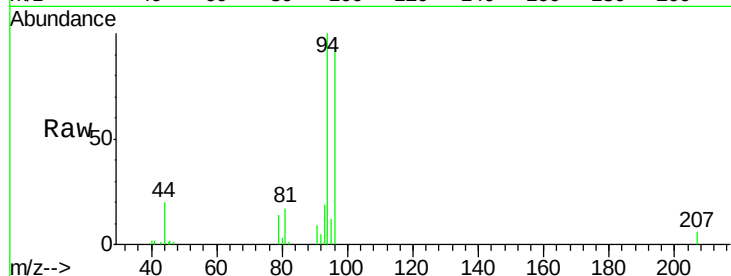
96 92.9 75.6 113.4

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

2.66

4000

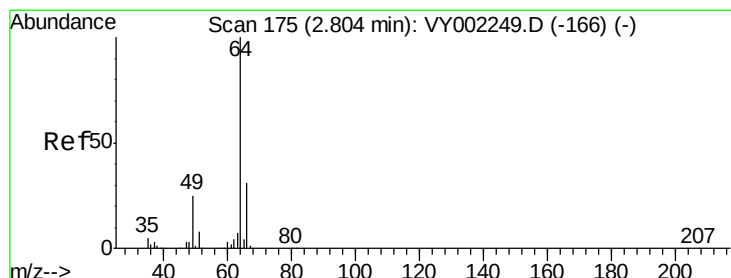
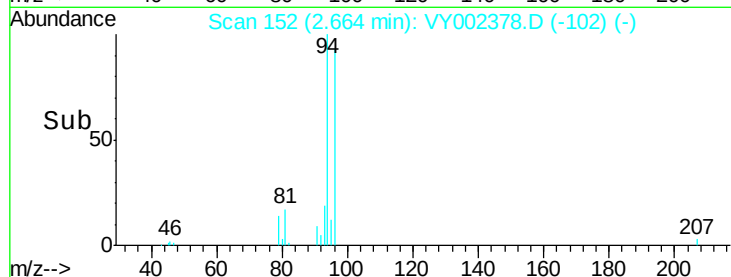
3000

2000

1000

0

Time-->



#6

Chloroethane

Concen: 49.038 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY002378.D

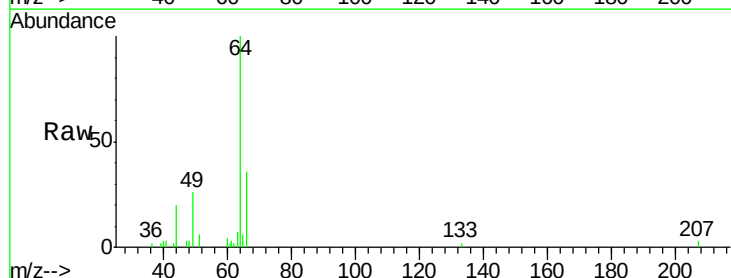
Acq: 16 Apr 2020 19:22

Tgt Ion: 64 Resp: 7191

Ion Ratio Lower Upper

64 100

66 36.2 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.82

4000

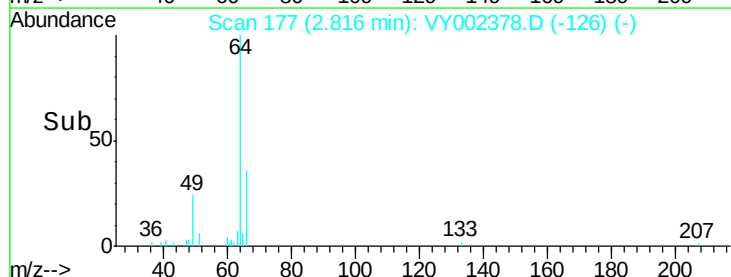
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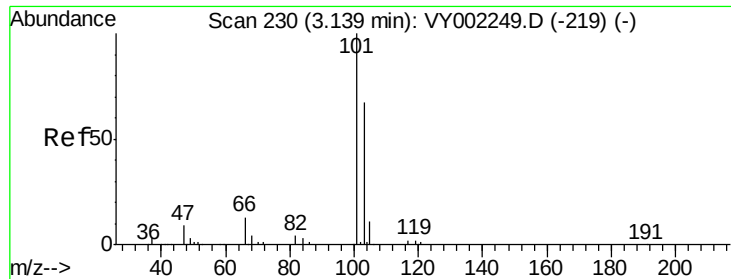
2000

1000

0

Time-->





#7

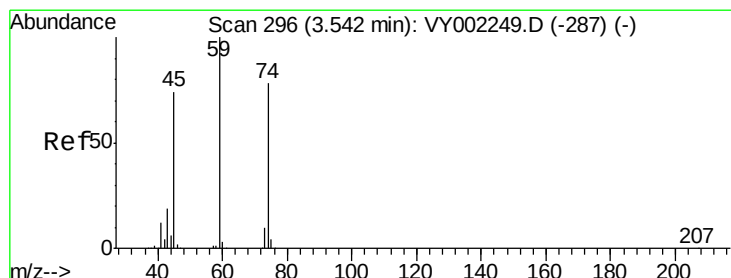
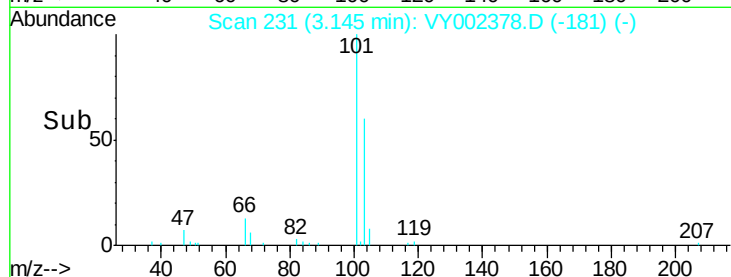
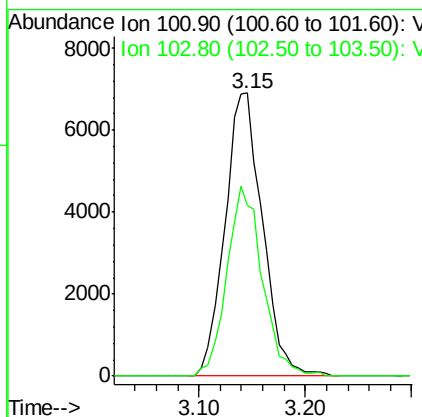
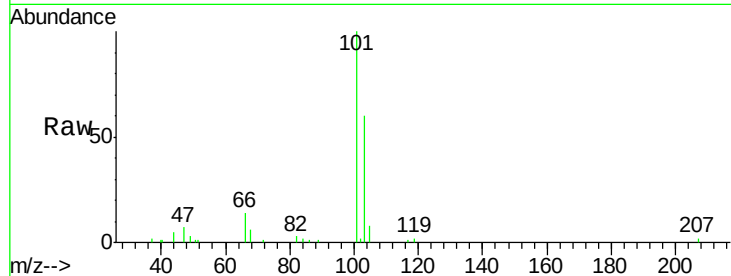
Trichlorofluoromethane
Concen: 51.773 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.2	53.3	79.9

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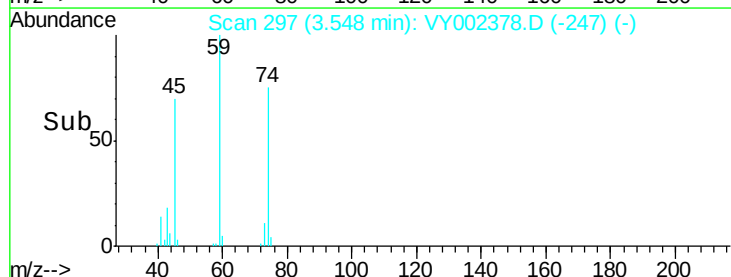
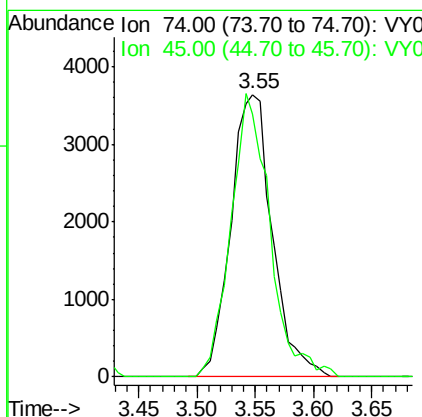
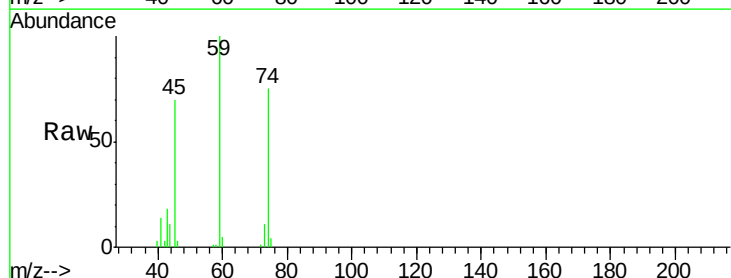
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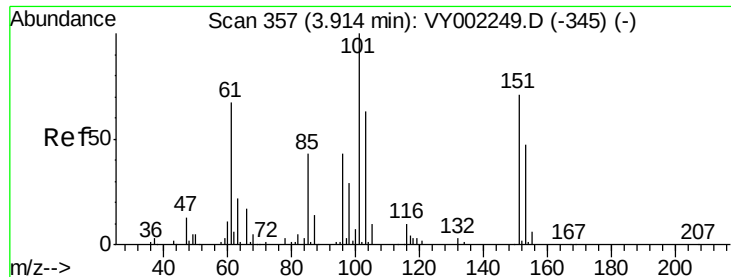


#8

Diethyl Ether
Concen: 64.829 ug/l
RT: 3.55 min Scan# 297
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.745 ug/l

RT: 3.92 min Scan# 358

Delta R.T. 0.01 min

Lab File: VY002378.D

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Instrument :

MSVOA_Y

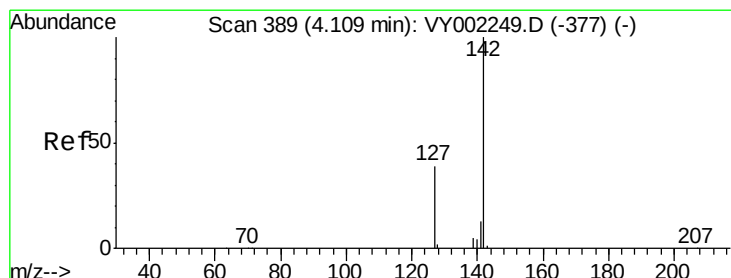
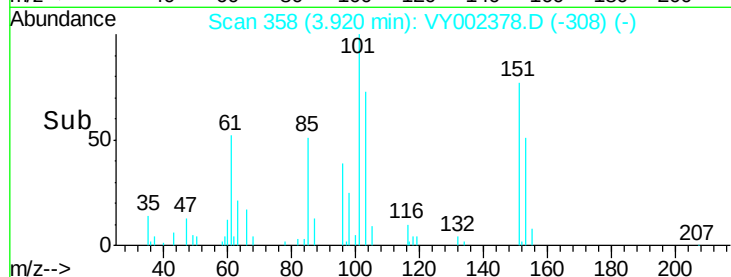
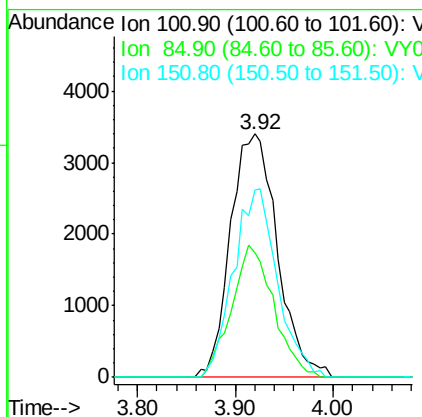
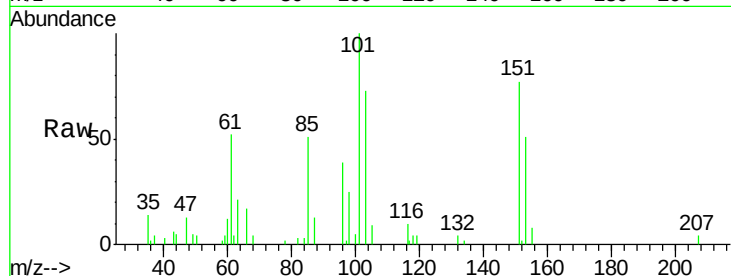
ClientSampleId :

BG-4MS

Tot Ion:	101	Resp:	11319
Ion Ratio	Lower	Upper	
101	100		
85	49.0	34.6	52.0
151	72.3	57.6	86.4

Manual Integrations
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#10

Methyl Iodide

Concen: 31.642 ug/l

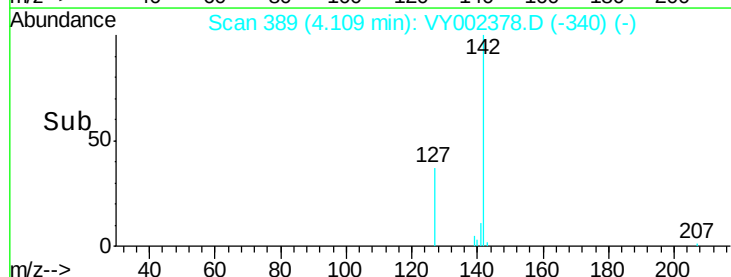
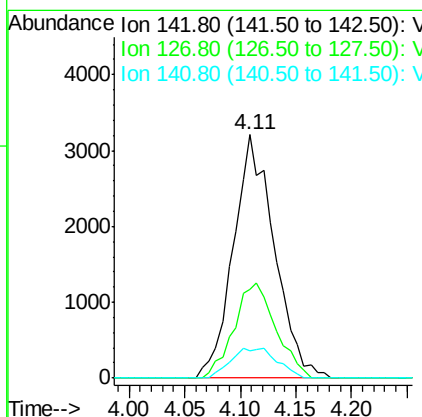
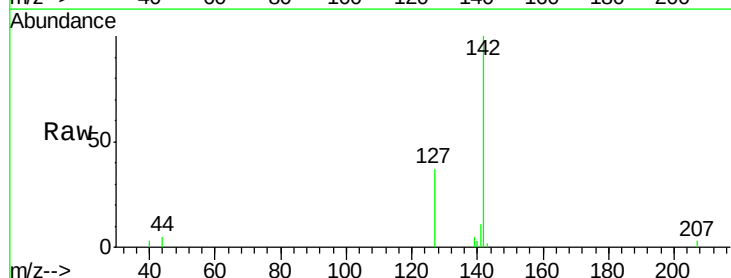
RT: 4.11 min Scan# 389

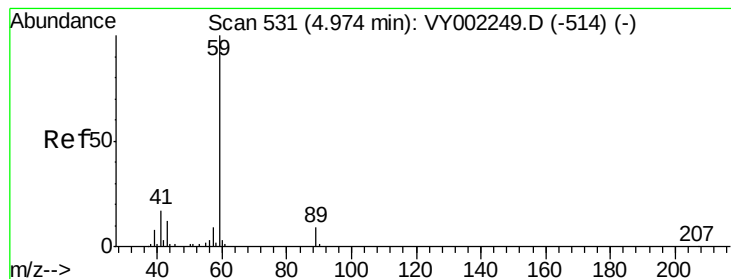
Delta R.T. -0.00 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

Tgt Ion:	142	Resp:	8204
Ion Ratio	Lower	Upper	
142	100		
127	39.8	32.4	48.6
141	13.7	11.2	16.8





#11

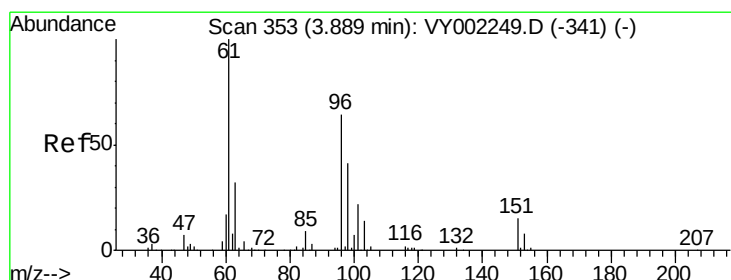
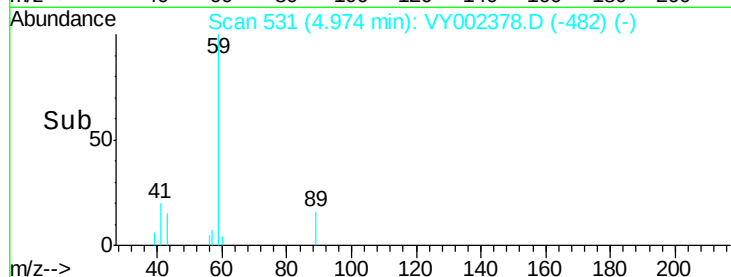
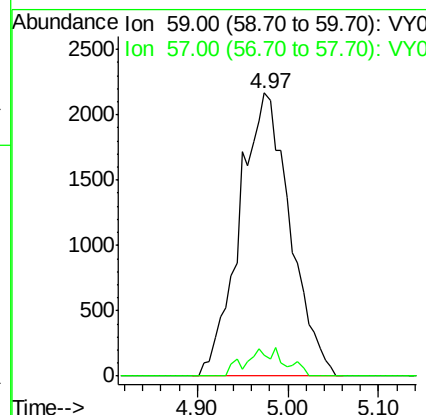
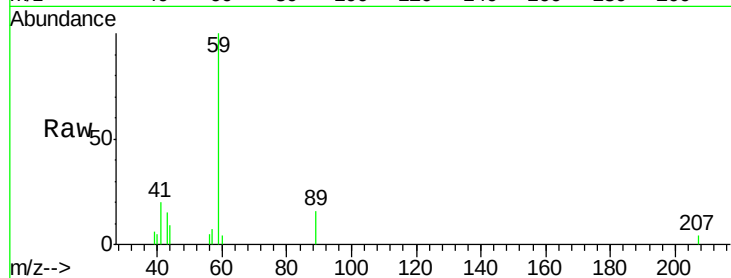
Tert butyl alcohol
 Concen: 395.979 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Instrument :
 MSVOA_Y
 ClientSampled :
 BG-4MS

Tot Ion	Ratio	Resp	Lower	Upper
59	100	8375		
57	3.6		6.6	9.8#

Manual Integrations
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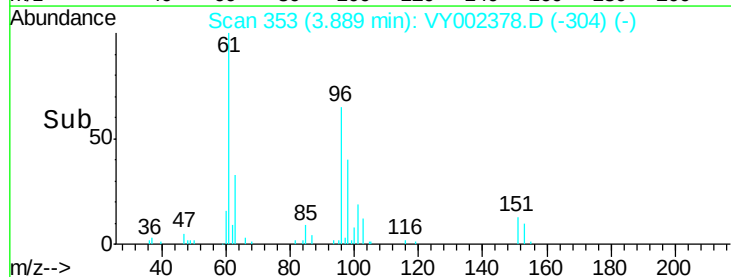
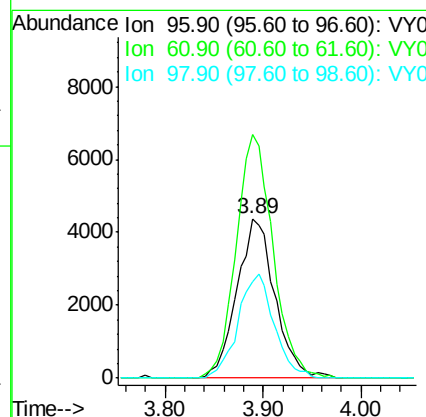
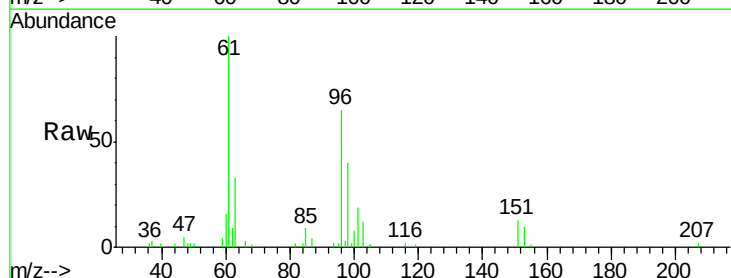
MMDadoda
 4/17/2020 11:52:16 AM

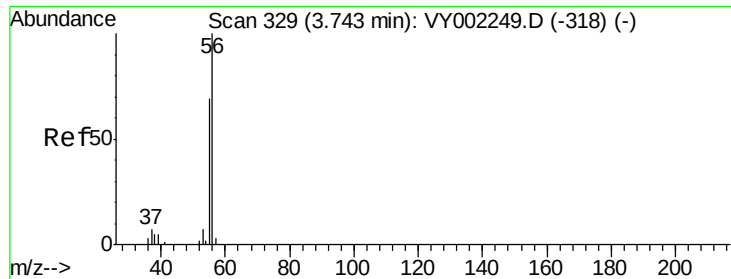


#12

1,1-Dichloroethene
 Concen: 51.857 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	11760		
61	152.7		125.9	188.9
98	60.8		51.1	76.7





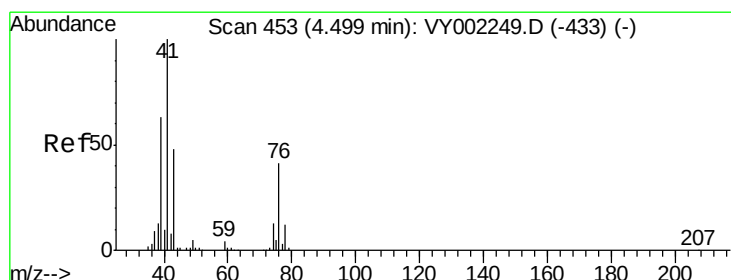
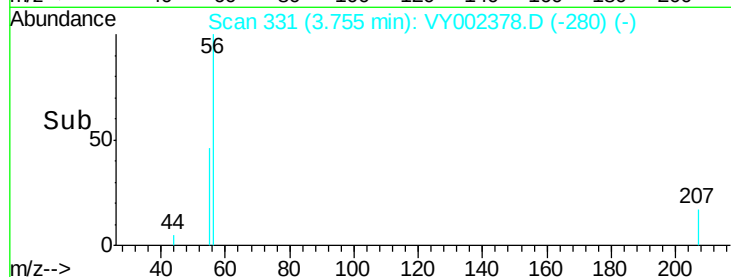
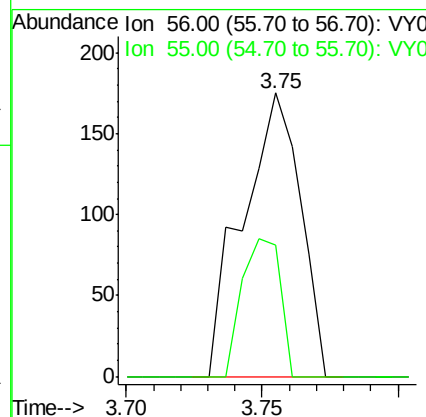
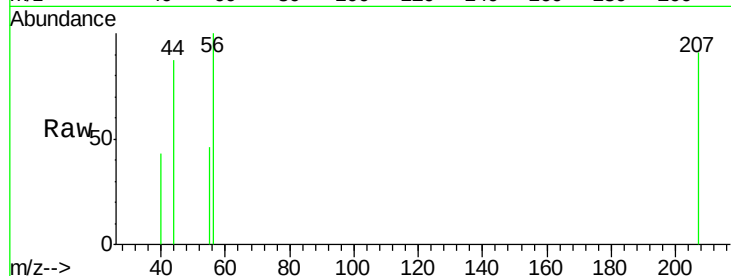
#13
Acrolein
Concen: 9.581 ug/l
RT: 3.75 min Scan# 331
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion	Ratio	Lower	Upper
56	100		
55	32.2	55.8	83.8#

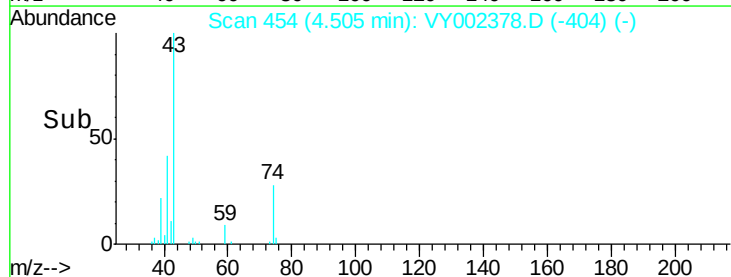
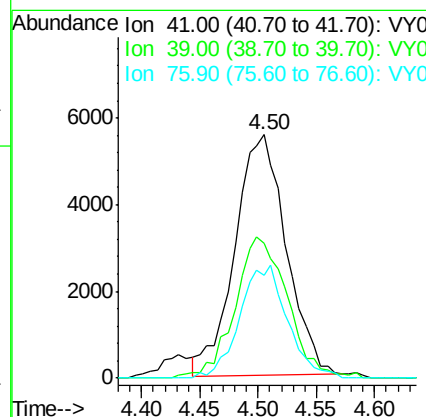
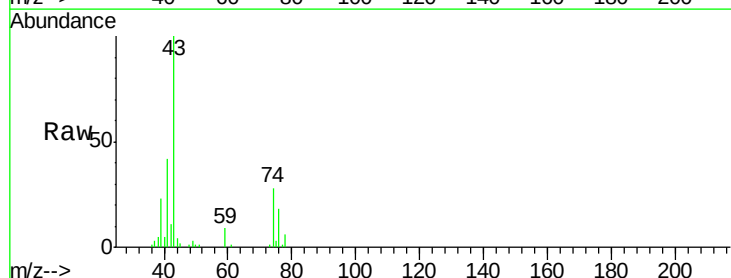
Manual Integrations
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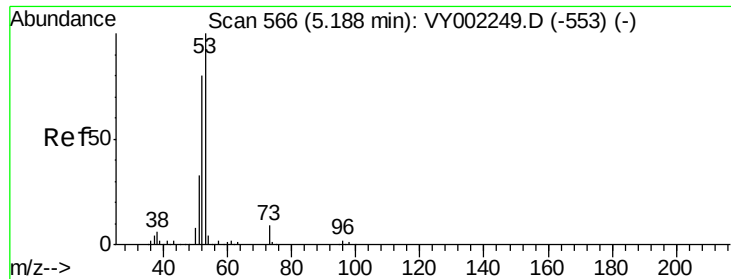
MMDadoda
4/17/2020 11:52:16 AM



#14
Allyl chloride
Concen: 46.695 ug/l
RT: 4.50 min Scan# 454
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.9	48.0	72.0
76	43.4	31.0	46.6





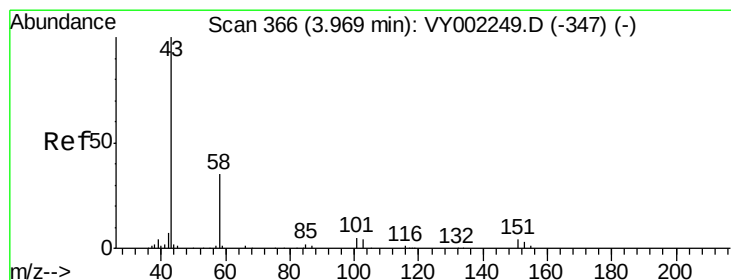
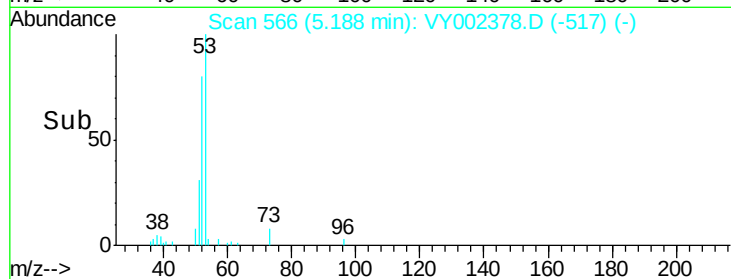
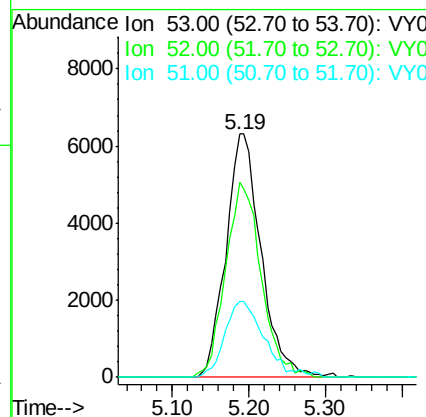
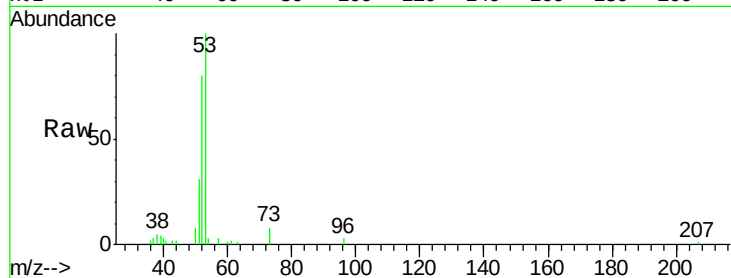
#15
 Acrylonitrile
 Concen: 281.182 ug/l
 RT: 5.19 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion:	53	Resp:	20073
Ion Ratio	Lower	Upper	
53	100		
52	81.0	65.1	97.7
51	34.3	27.1	40.7

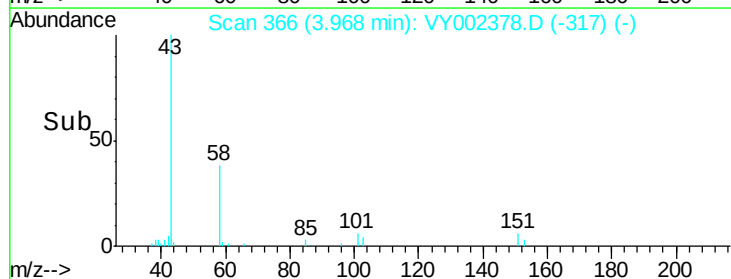
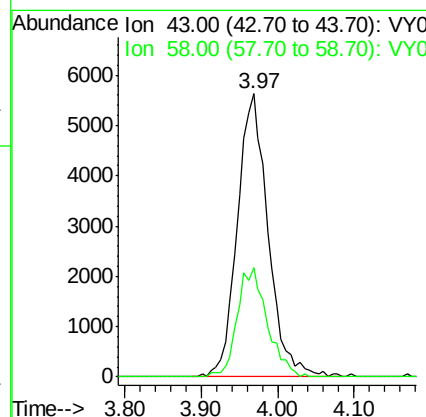
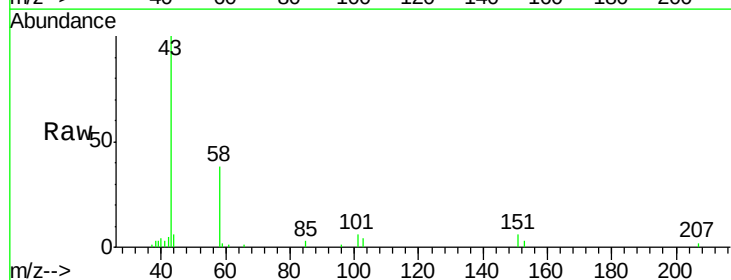
Manual Integrations
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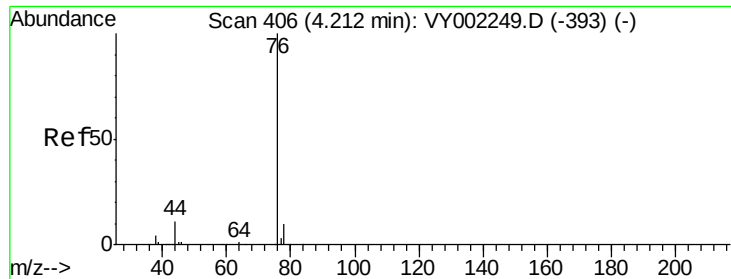
MMDadoda
 4/17/2020 11:52:16 AM



#16
 Acetone
 Concen: 285.059 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Tgt Ion:	43	Resp:	15681
Ion Ratio	Lower	Upper	
43	100		
58	38.4	28.5	42.7





#17

Carbon Disulfide

Concen: 44.387 ug/l

RT: 4.21 min Scan# 406

Delta R.T. -0.00 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

Instrument :

MSVOA_Y

ClientSampleId :

BG-4MS

Tot Ion: 76 Resp: 33430

Ion Ratio Lower Upper

76 100

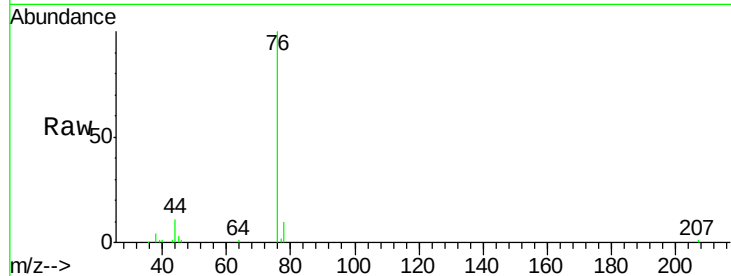
78 10.4 7.7 11.5

Manual Integrations

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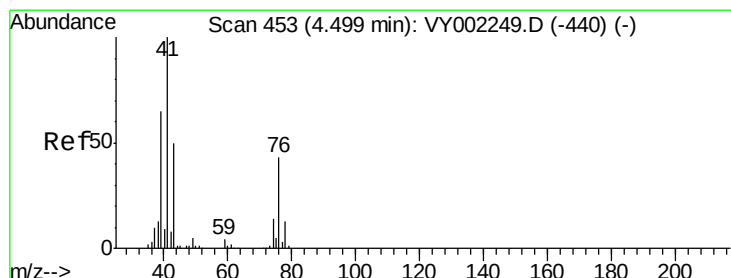
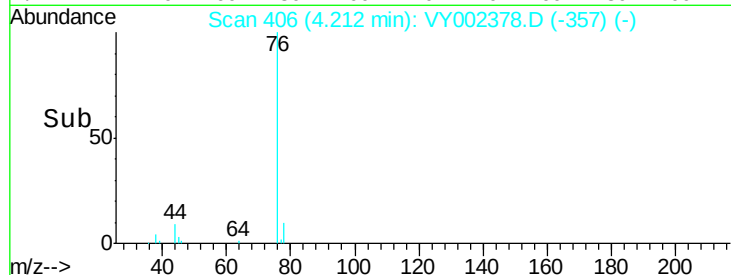
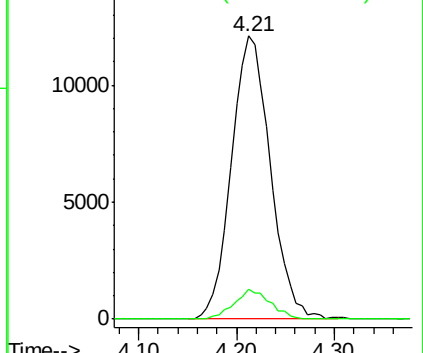
MMDadoda

4/17/2020 11:52:16 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 251.488 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.00 min

Lab File: VY002378.D

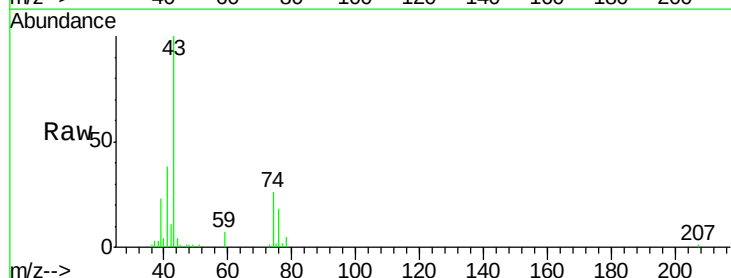
Acq: 16 Apr 2020 19:22

Tgt Ion: 43 Resp: 42911

Ion Ratio Lower Upper

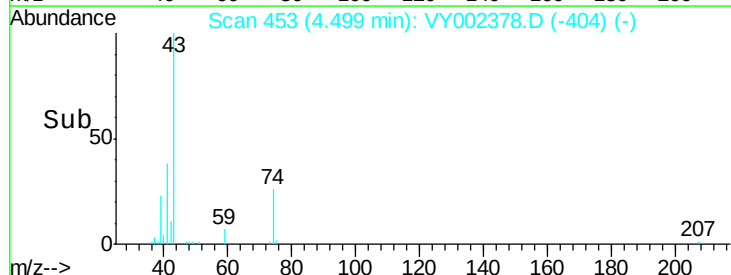
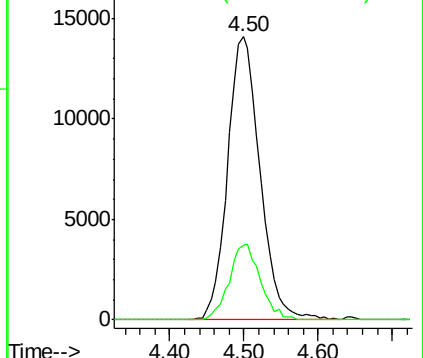
43 100

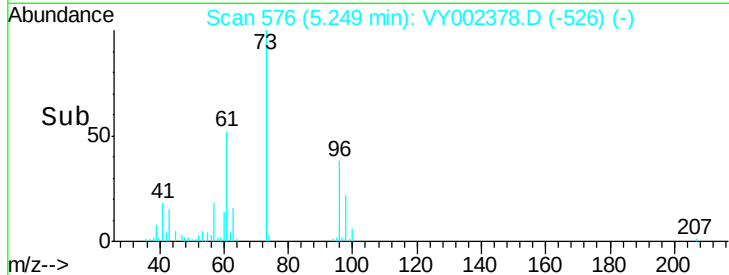
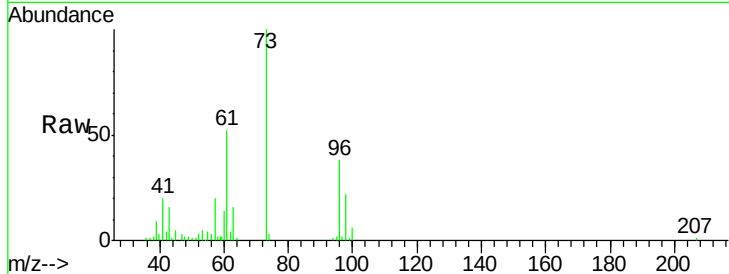
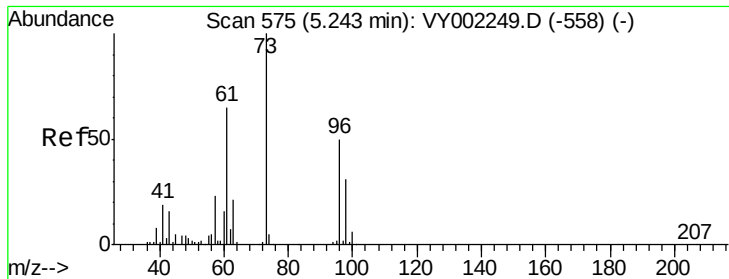
74 25.7 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





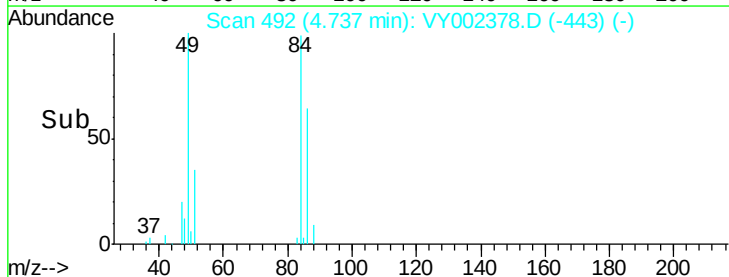
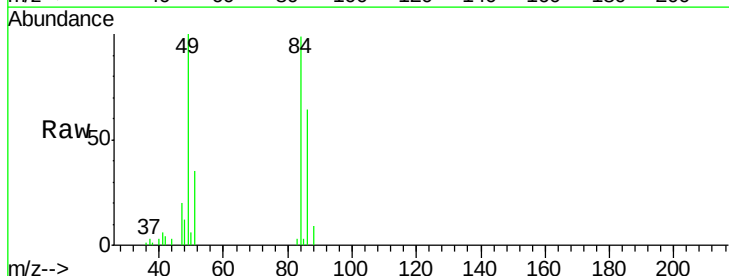
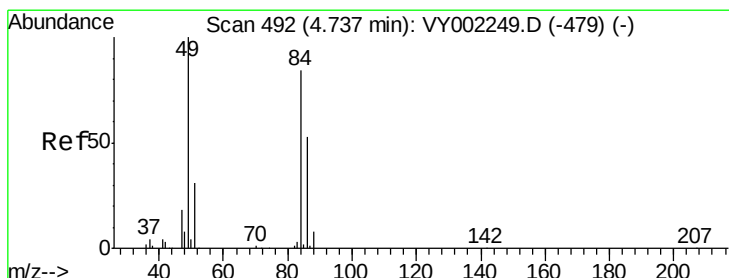
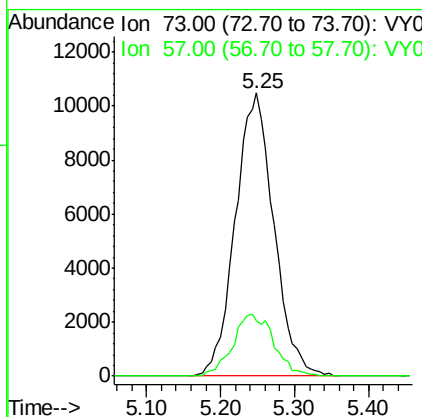
#19
Methyl tert-butyl Ether
Concen: 63.663 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Tot Ion: 73 Resp: 37955
Ion Ratio Lower Upper
73 100
57 19.8 18.7 28.1

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

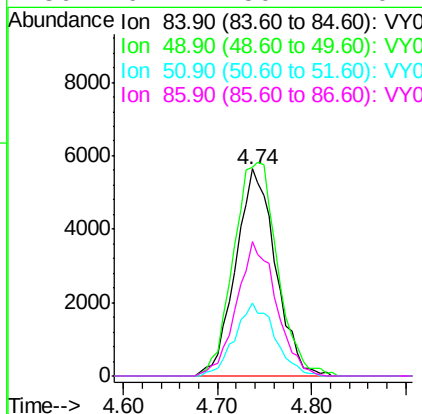
Manual Integrations
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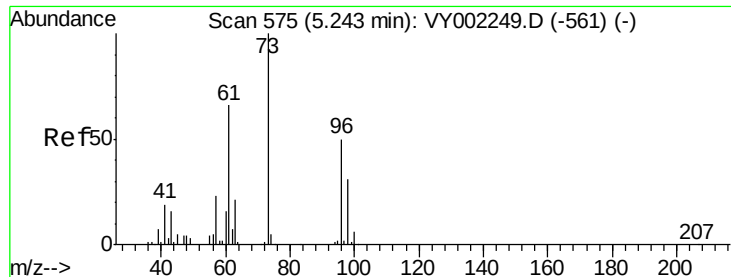
MMDadoda
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#20
Methylene Chloride
Concen: 61.783 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.00 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Tgt Ion: 84 Resp: 16705
Ion Ratio Lower Upper
84 100
49 101.0 95.5 143.3
51 35.1 29.5 44.3
86 64.7 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 50.066 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.00 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

Instrument :

MSVOA_Y

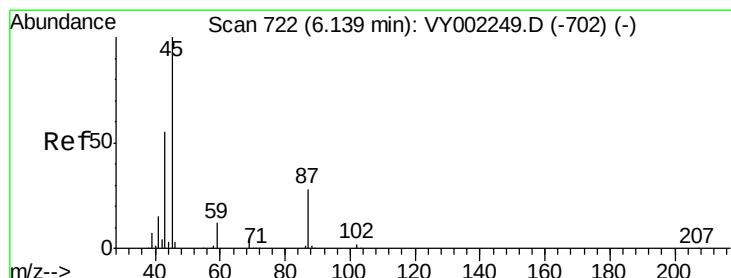
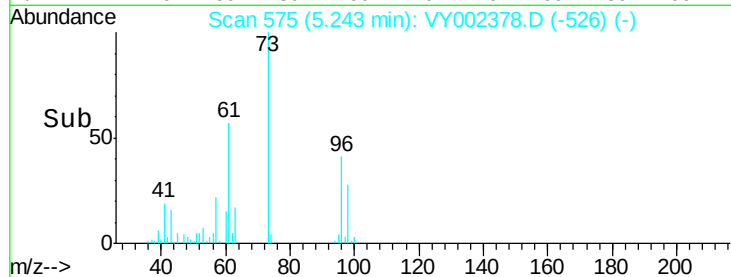
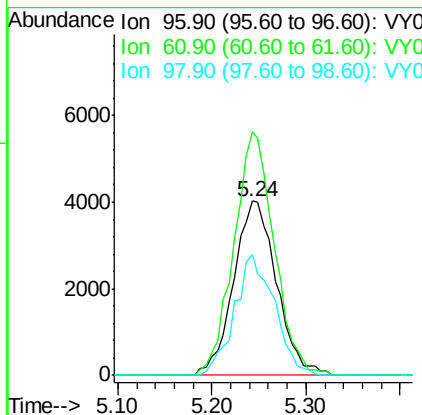
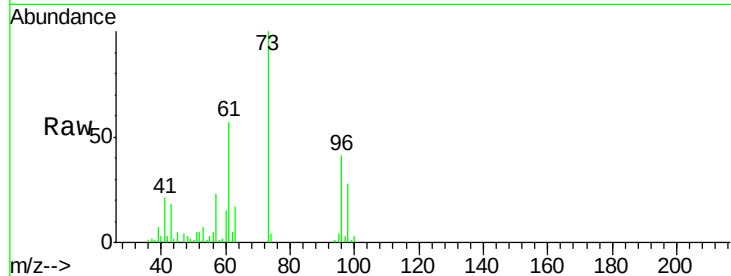
ClientSampleId :

BG-4MS

Tot Ion:	96	Resp:	12744
Ion	Ratio	Lower	Upper
96	100		
61	139.8	104.6	157.0
98	69.0	50.1	75.1

Manual Integrations
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4/17/2020 11:52:16 AM



#22

Diisopropyl ether

Concen: 58.775 ug/l

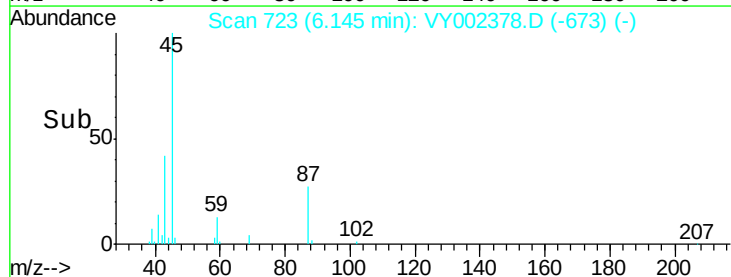
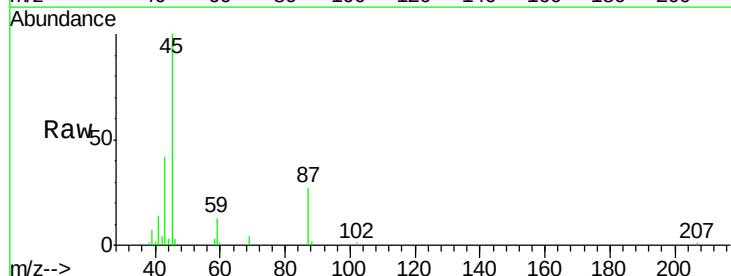
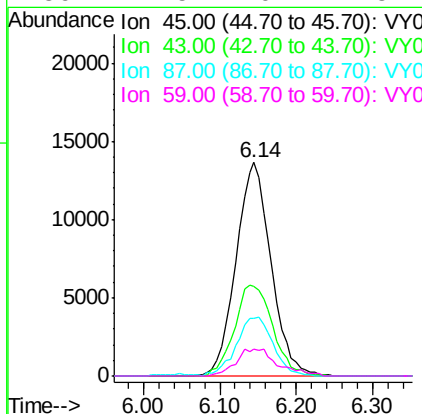
RT: 6.14 min Scan# 723

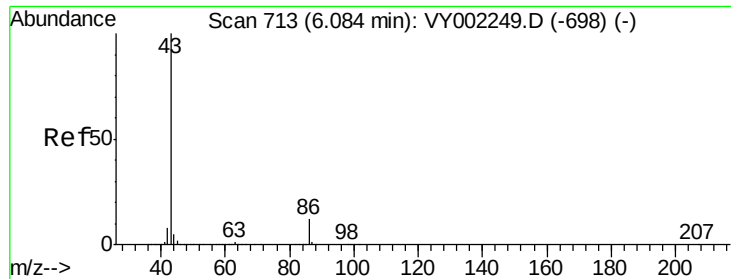
Delta R.T. 0.01 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

Tgt Ion:	45	Resp:	43315
Ion	Ratio	Lower	Upper
45	100		
43	41.9	44.7	67.1#
87	27.1	23.0	34.4
59	12.5	10.1	15.1





#23

Vinyl Acetate

Concen: 43.024 ug/l

RT: 6.14 min Scan# 722

Delta R.T. 0.05 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

Instrument :

MSVOA_Y

ClientSampleId :

BG-4MS

Tot Ion: 43 Resp: 20206

Ion Ratio Lower Upper

43 100

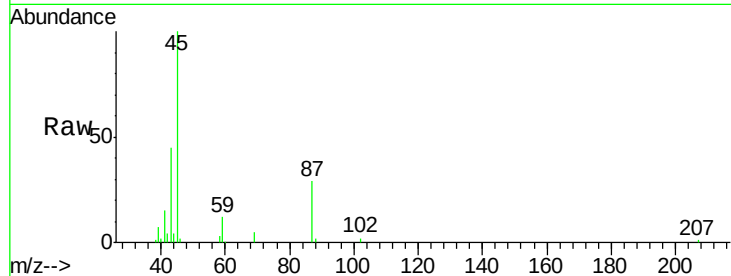
86 0.0 9.2 13.8#

Manual Integrations

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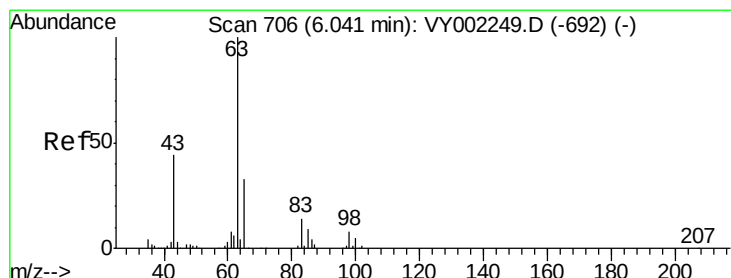
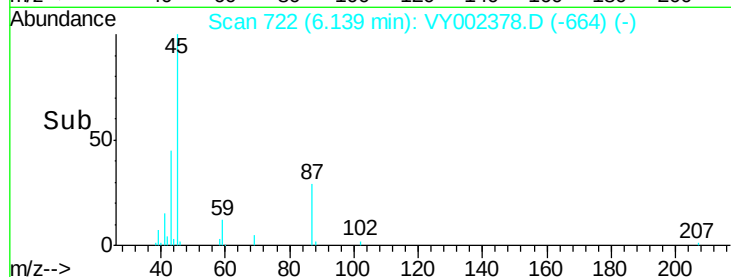
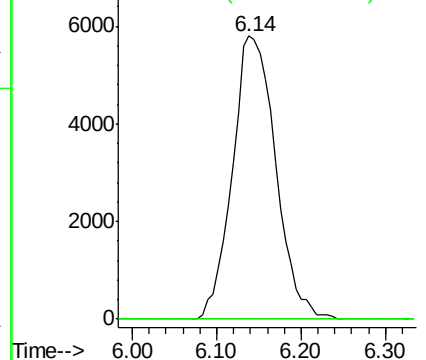
MMDadoda

4/17/2020 11:52:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 57.355 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

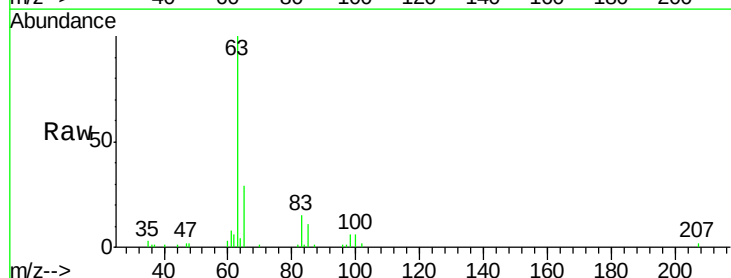
Tgt Ion: 63 Resp: 24042

Ion Ratio Lower Upper

63 100

98 5.8 4.0 12.0

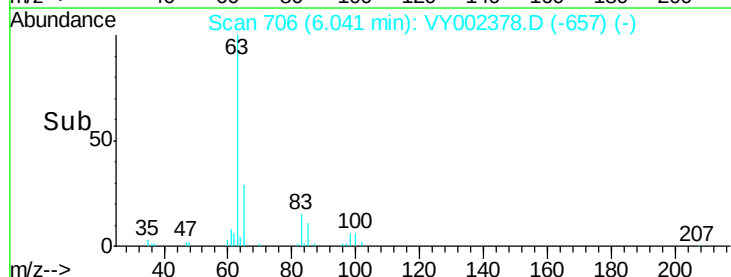
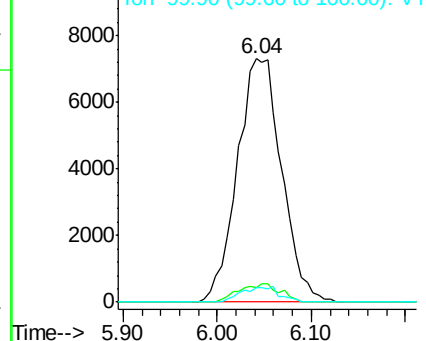
100 5.8 2.4 7.1

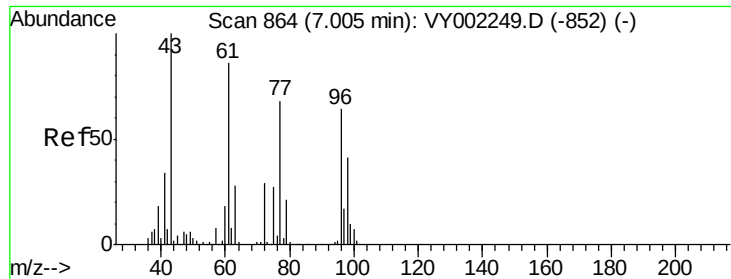


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 273.481 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

Instrument :

MSVOA_Y

ClientSampleId :

BG-4MS

Tot Ion: 43 Resp: 23808

Ion Ratio Lower Upper

43 100

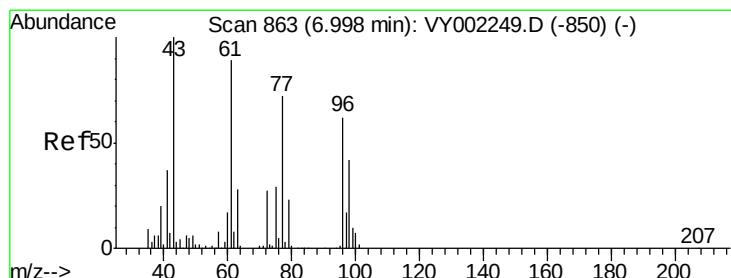
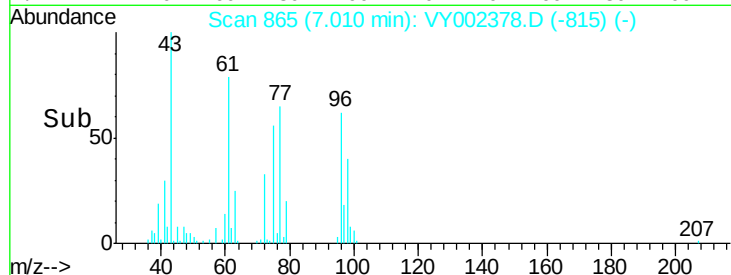
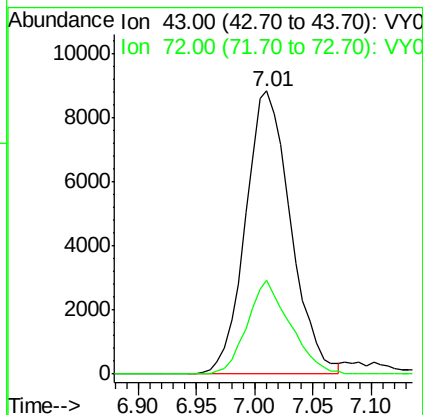
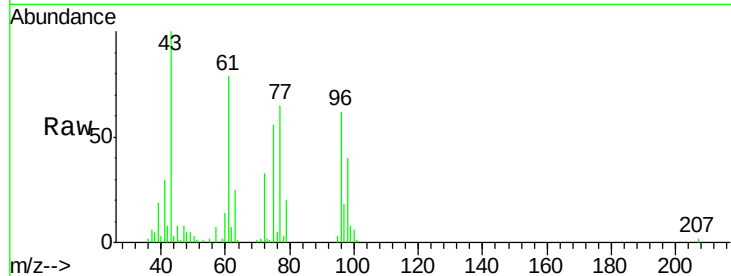
72 33.0 23.2 34.8

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:52:16 AM



#26

2,2-Dichloropropane

Concen: 48.390 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002378.D

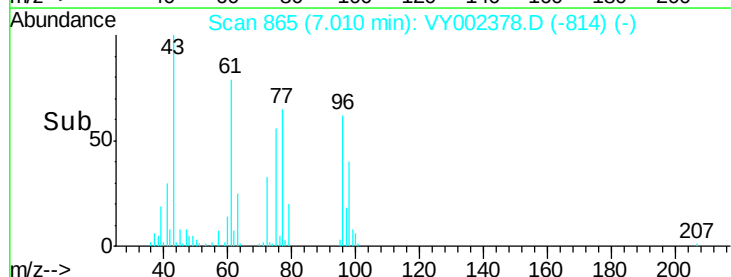
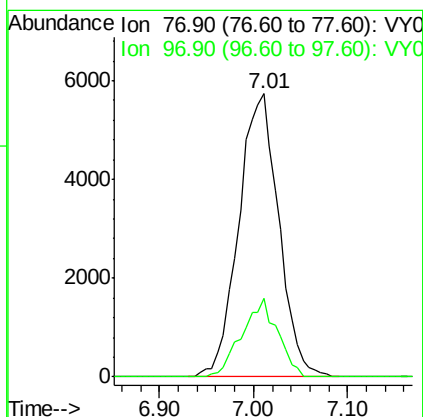
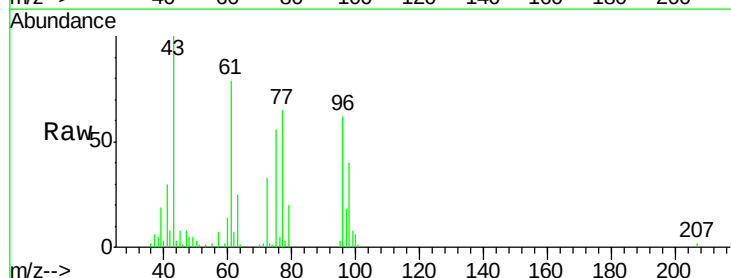
Acq: 16 Apr 2020 19:22

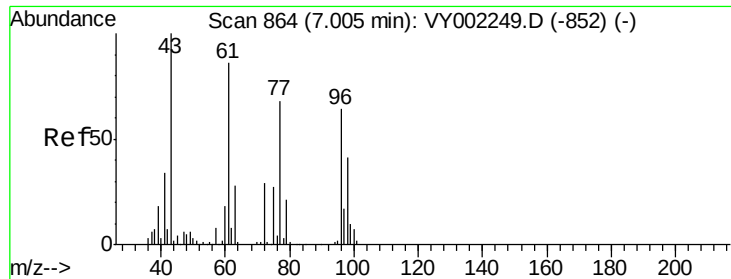
Tgt Ion: 77 Resp: 16968

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.6





#27

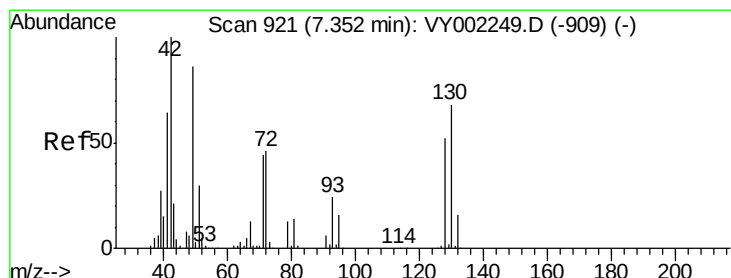
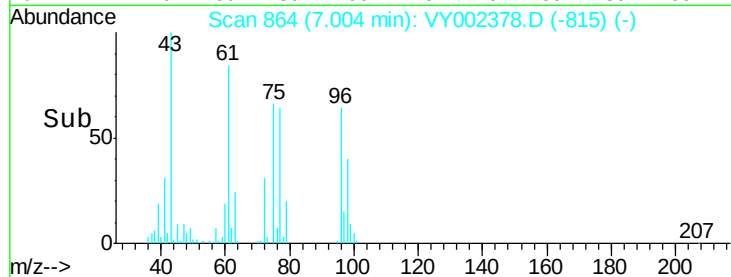
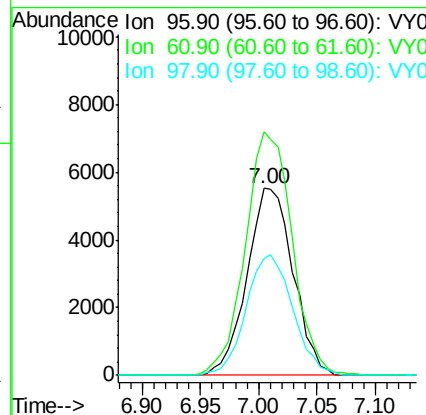
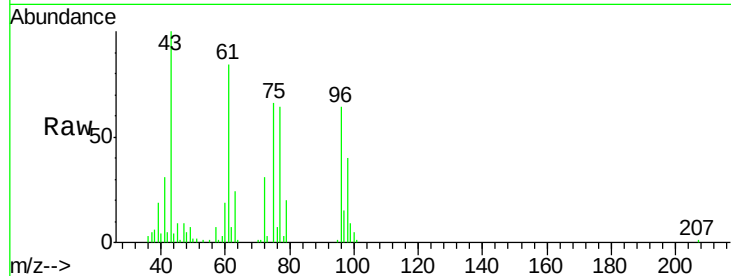
cis-1,2-Dichloroethene
 Concen: 54.744 ug/l
 RT: 7.00 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.7	0.0	278.0	
98	65.0	0.0	128.6	

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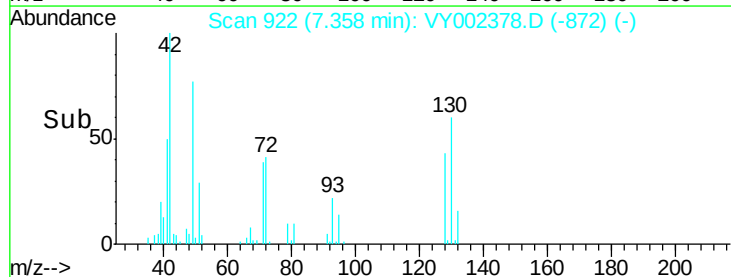
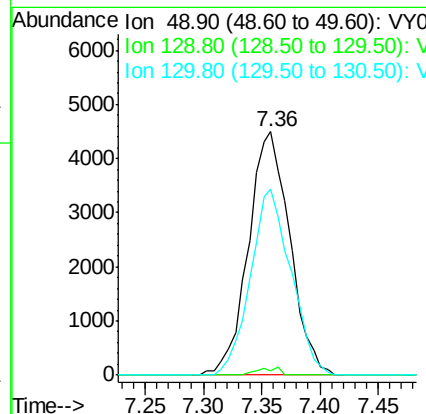
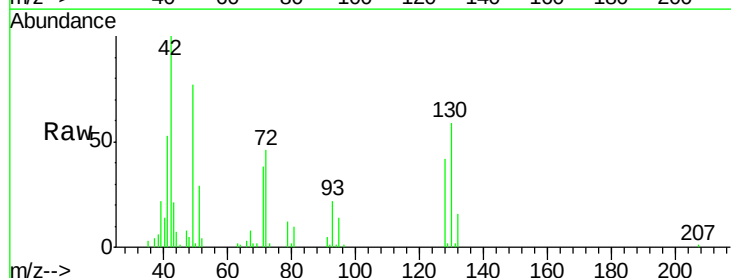
MMDadoda
 4/17/2020 11:52:16 AM

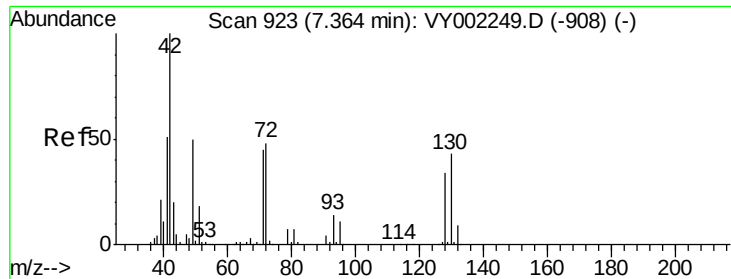


#28

Bromochloromethane
 Concen: 61.210 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	4.2	
130	74.6	60.9	91.3	





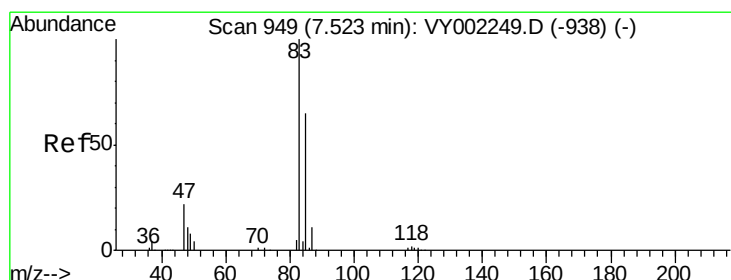
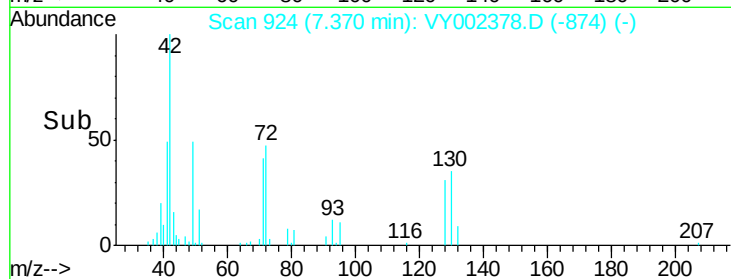
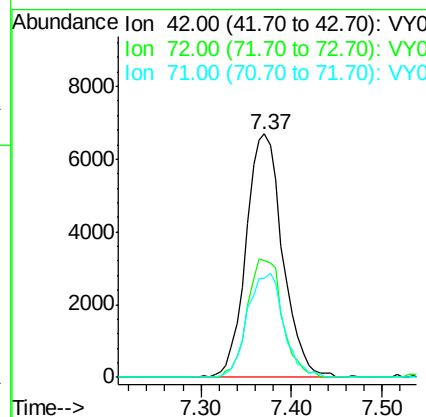
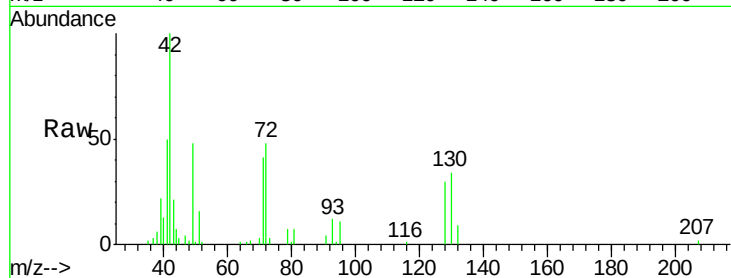
#29
Tetrahydrofuran
Concen: 324.403 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	36.7	55.1
71	42.4	34.7	52.1

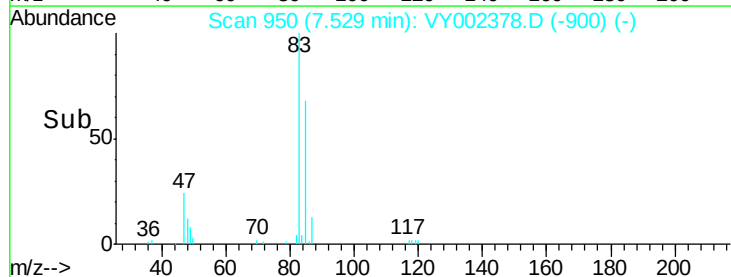
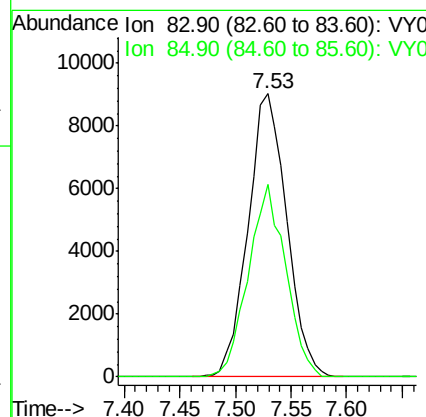
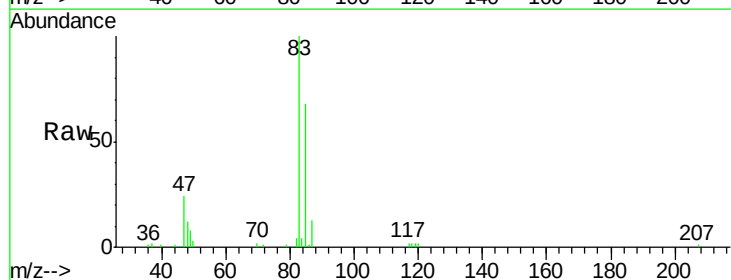
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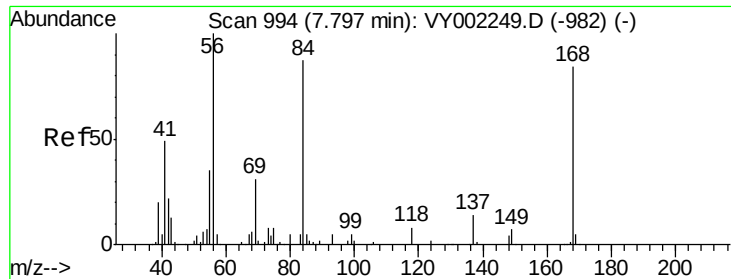
MMDadoda
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#30
Chloroform
Concen: 55.251 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.9	52.0	78.0





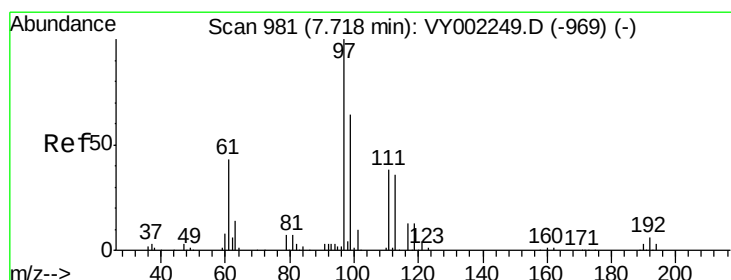
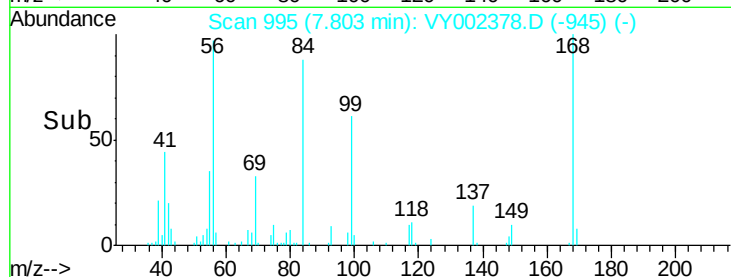
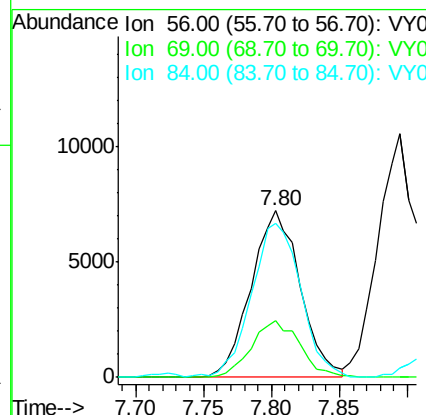
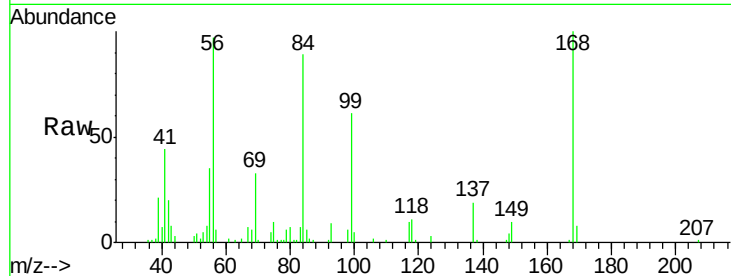
#31
Cyclohexane
Concen: 41.513 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	25.0	37.6
84	91.2	69.7	104.5

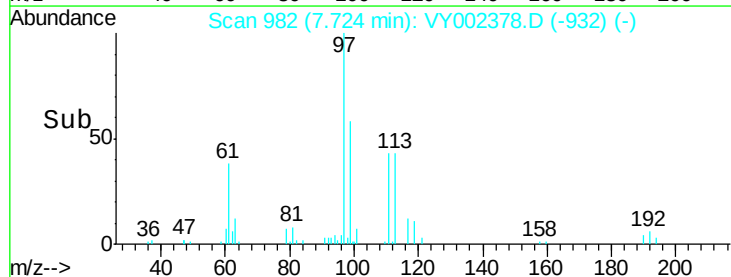
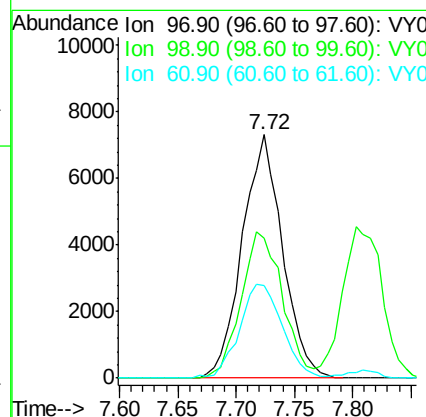
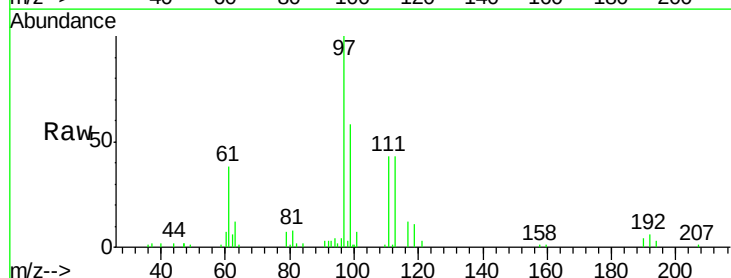
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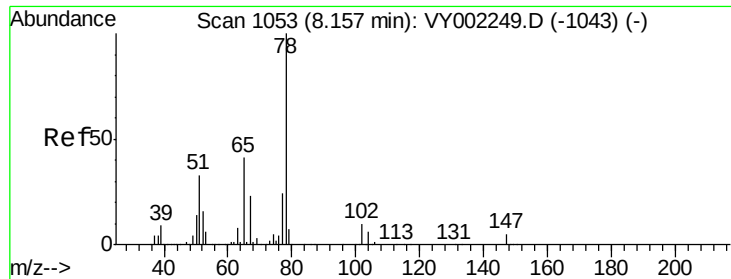
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#32
1,1,1-Trichloroethane
Concen: 53.377 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.0	51.3	76.9
61	41.2	34.3	51.5





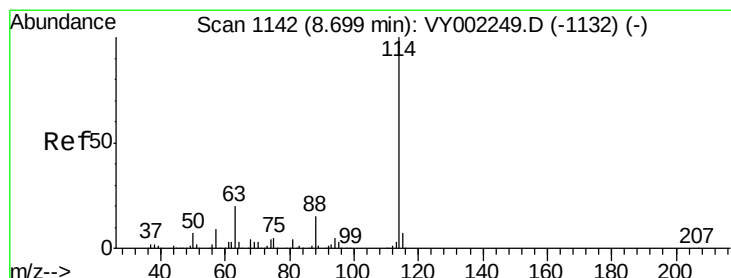
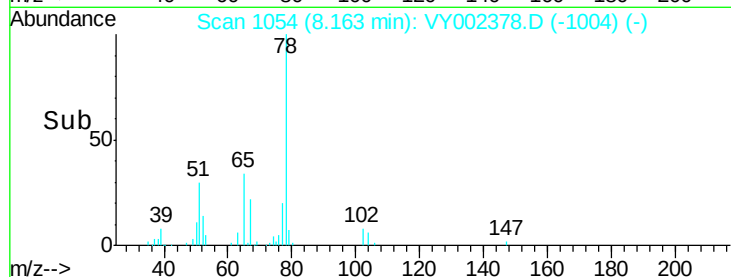
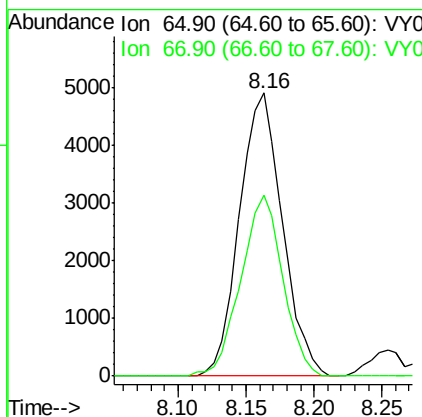
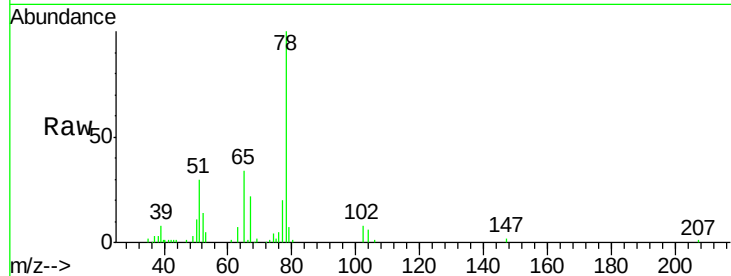
#33
 1,2-Dichloroethane-d4
 Concen: 51.911 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	10842		
67	62.5	0.0	114.0	

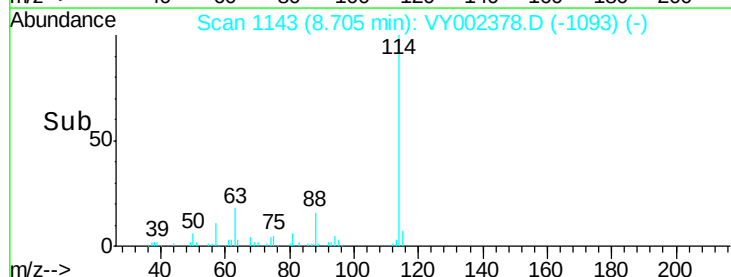
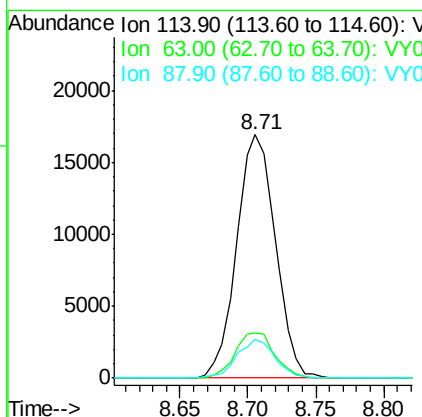
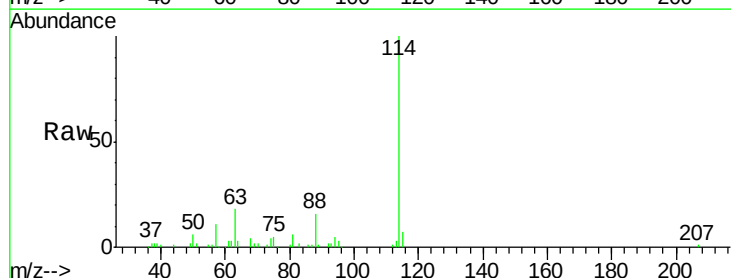
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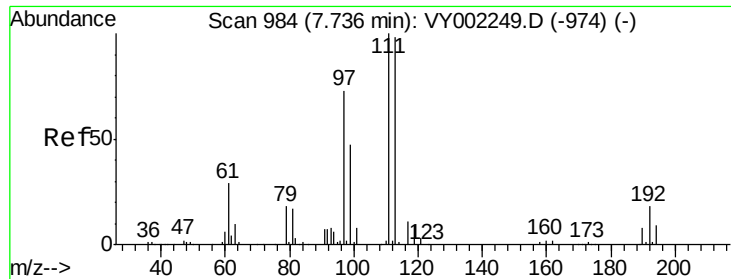
MMDadoda
 4/17/2020 11:52:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	33814		
63	18.4	0.0	39.0	
88	16.0	0.0	31.0	





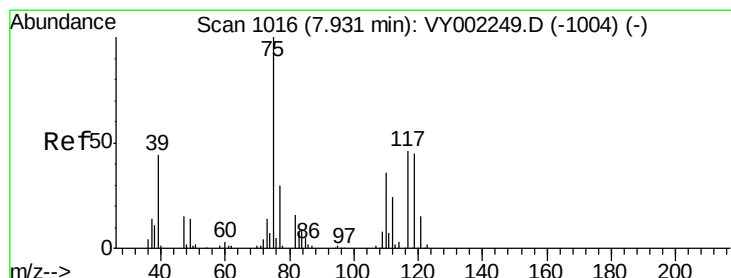
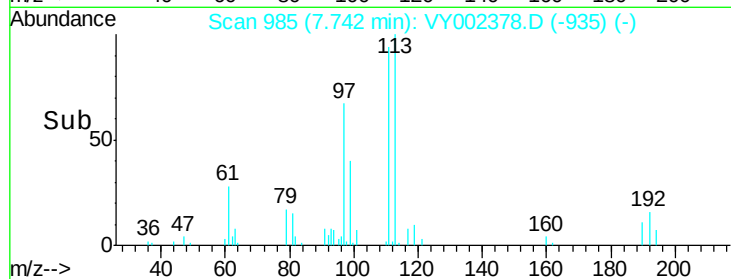
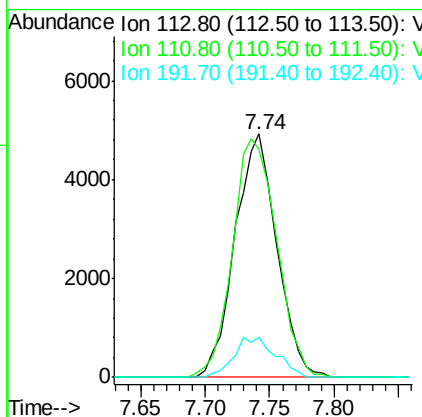
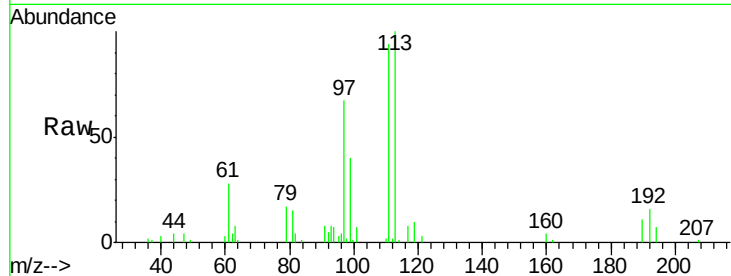
#35
 Dibromofluoromethane
 Concen: 55.044 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.5	125.3
192	16.4	14.7	22.1

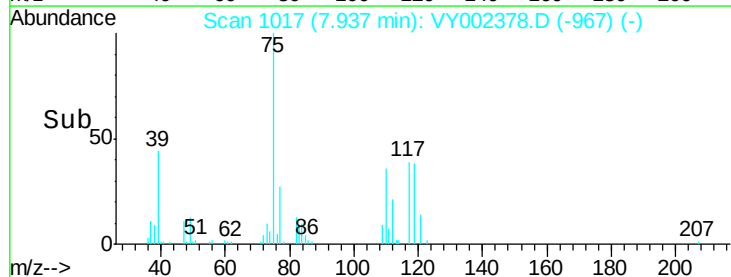
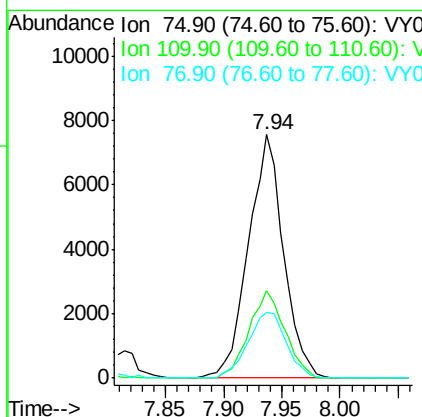
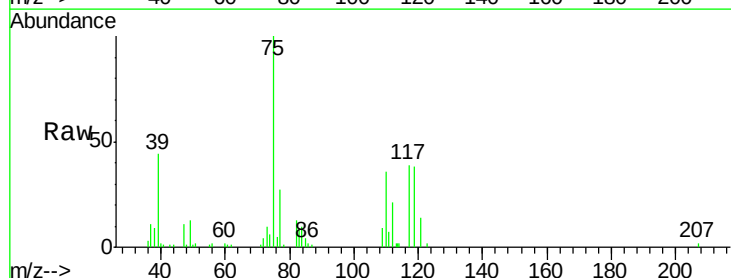
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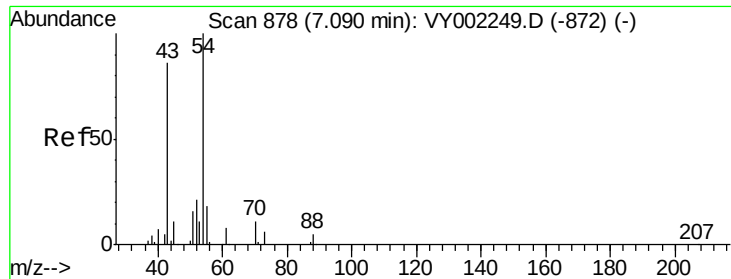
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#36
 1,1-Dichloropropene
 Concen: 47.748 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.8	53.3
77	29.4	24.4	36.6





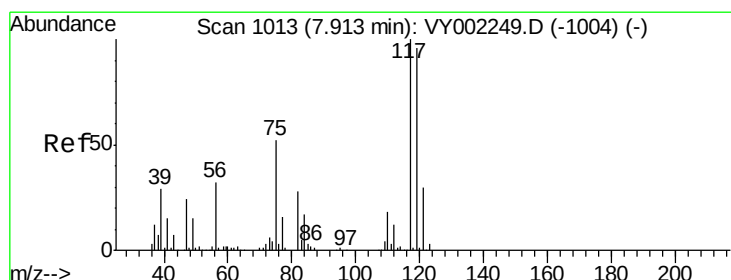
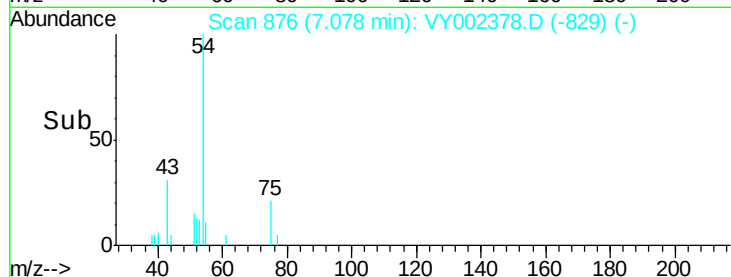
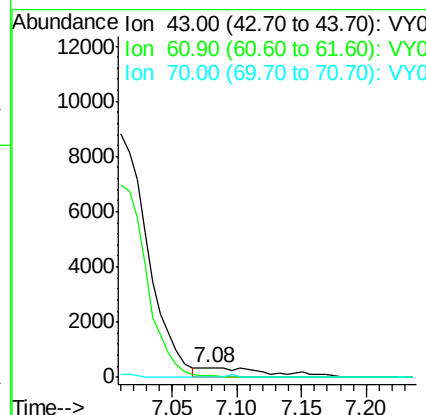
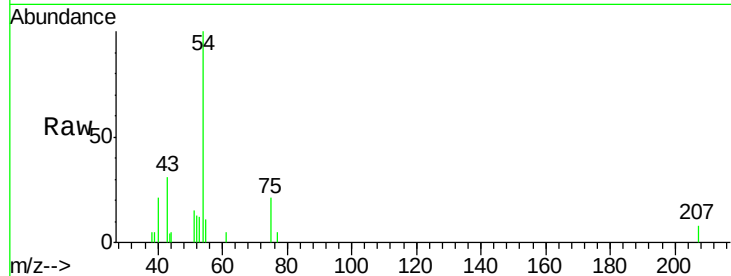
#37
Ethyl Acetate
Concen: 7.458 ug/l m
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion: 43 Resp: 1419
Ion Ratio Lower Upper
43 100
61 1420.8 11.8 17.6
70 9.2 9.1 13.7

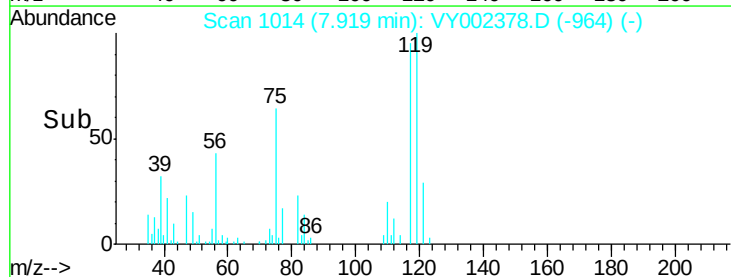
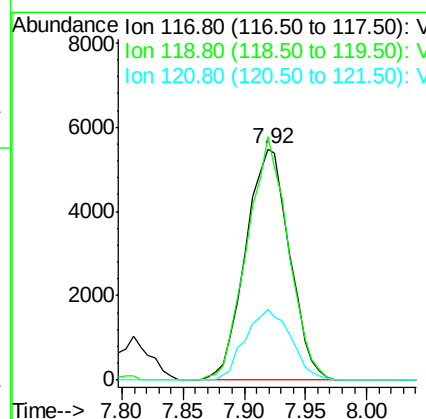
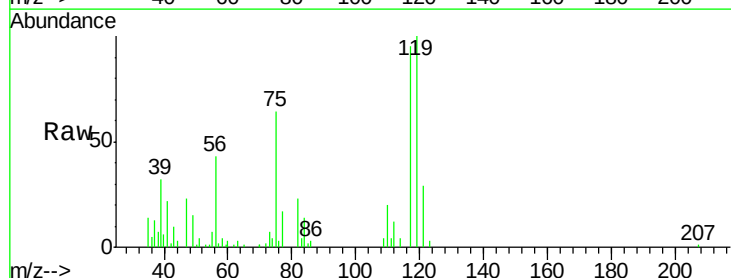
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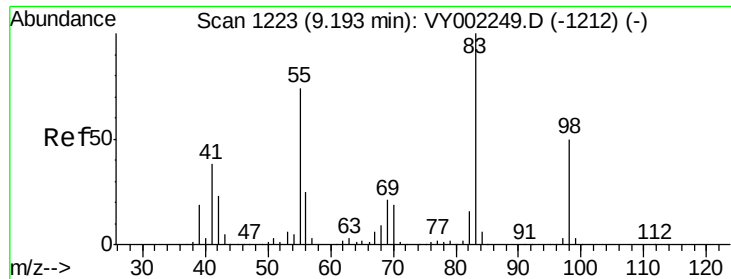
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#38
Carbon Tetrachloride
Concen: 48.102 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Tgt Ion: 117 Resp: 13704
Ion Ratio Lower Upper
117 100
119 105.3 77.1 115.7
121 30.4 23.9 35.9





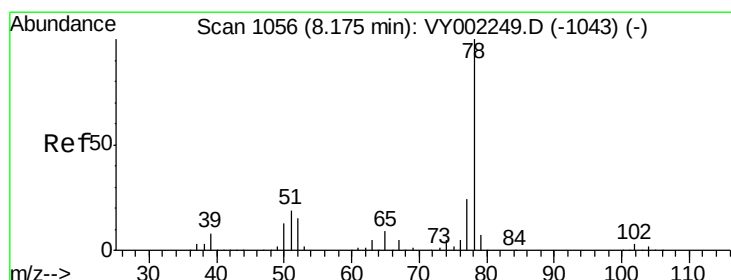
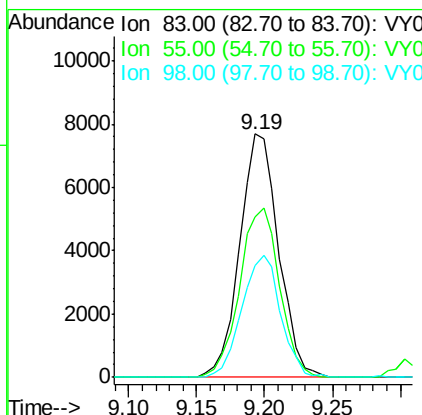
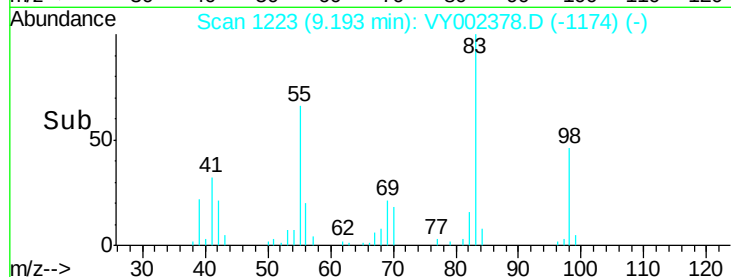
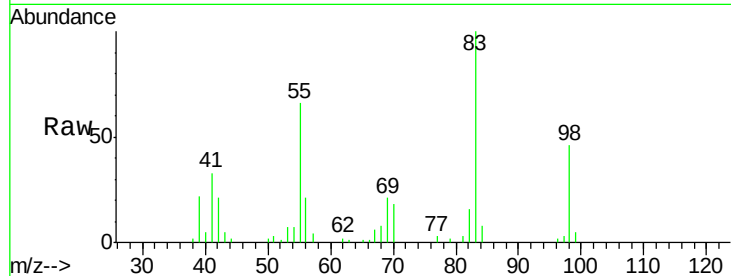
#39
Methylvlcyclohexane
Concen: 33.832 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion	83	Resp	15328
Ion Ratio	Lower	Upper	
83	100		
55	66.0	59.3	88.9
98	46.1	39.6	59.4

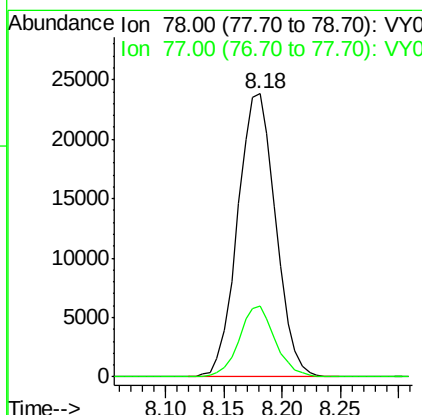
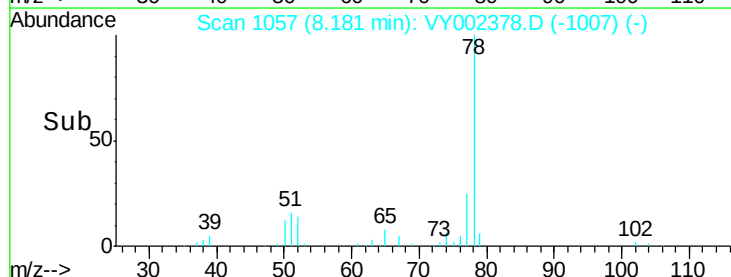
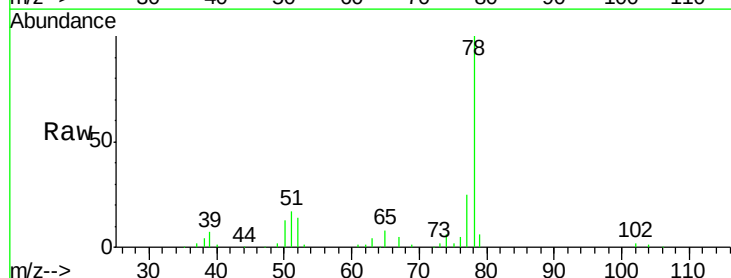
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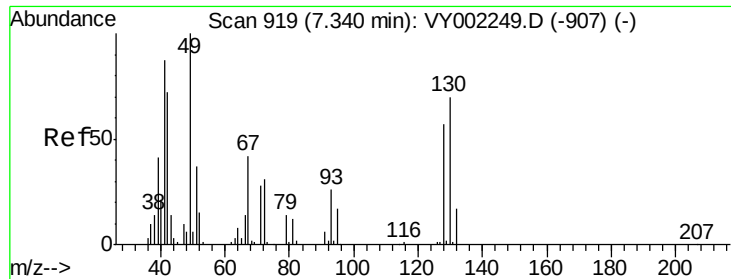
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#40
Benzene
Concen: 53.731 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Tgt Ion	78	Resp	54296
Ion Ratio	Lower	Upper	
78	100		
77	24.9	18.9	28.3





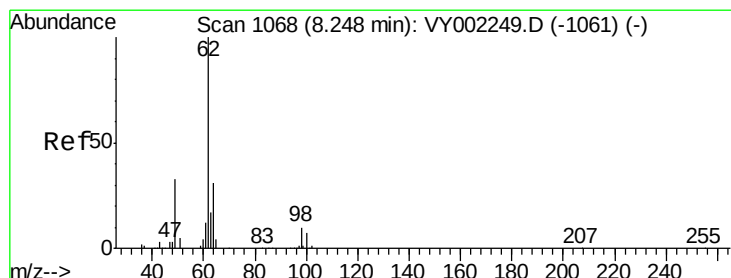
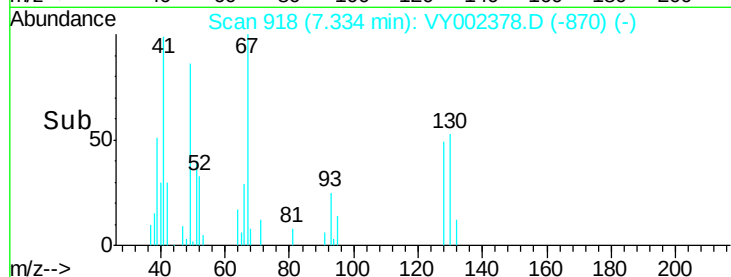
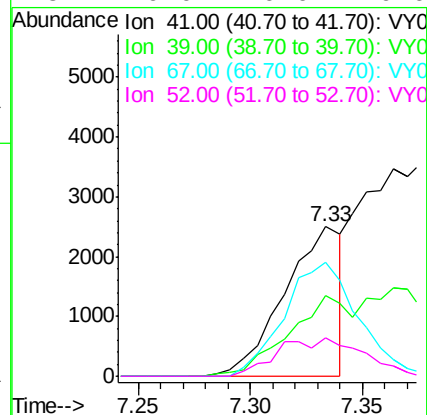
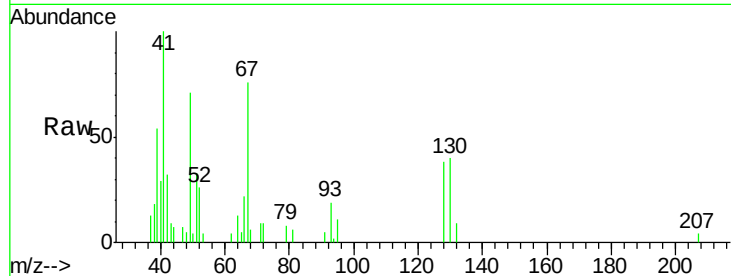
#41
Methacrylonitrile
Concen: 40.029 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	79.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

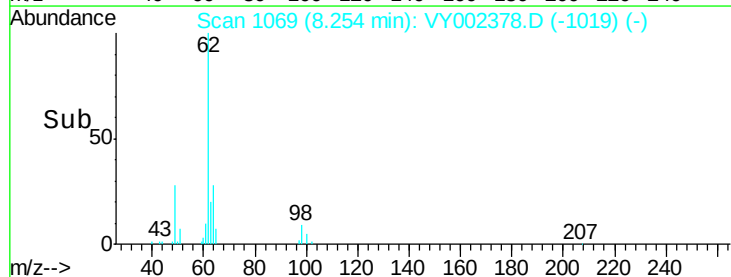
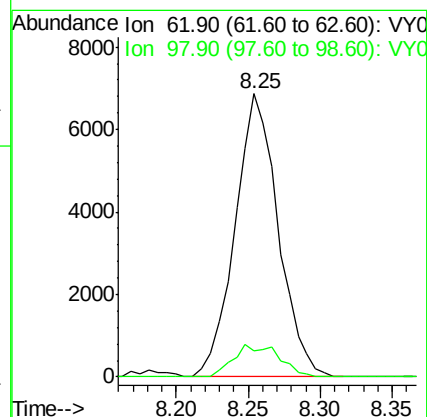
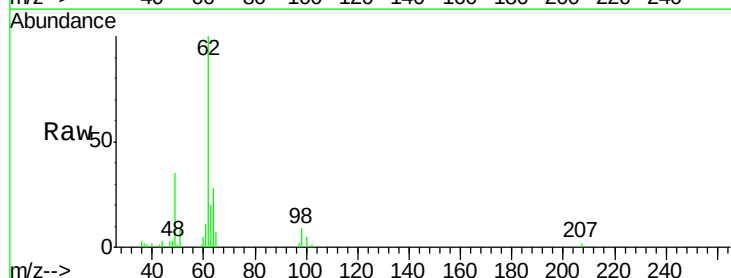
Manual Integrations
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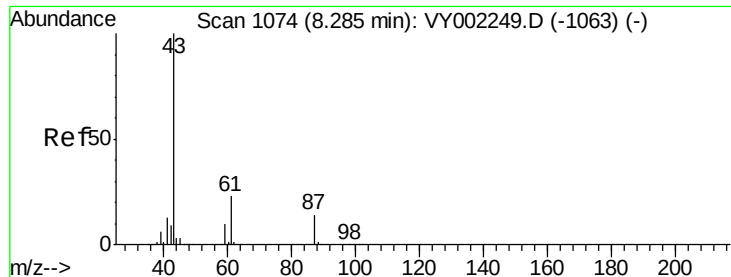
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#42
1,2-Dichloroethane
Concen: 57.003 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.9	0.0	22.6





#43

Isopropyl Acetate

Concen: 12.518 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

Instrument :

MSVOA_Y

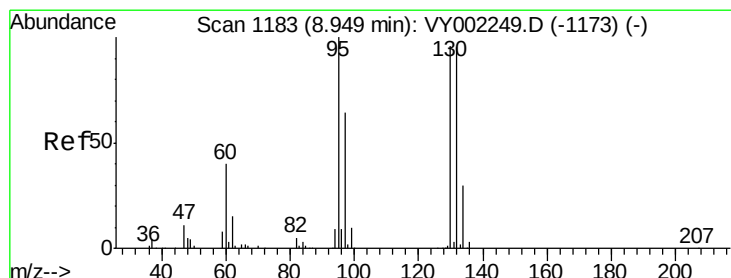
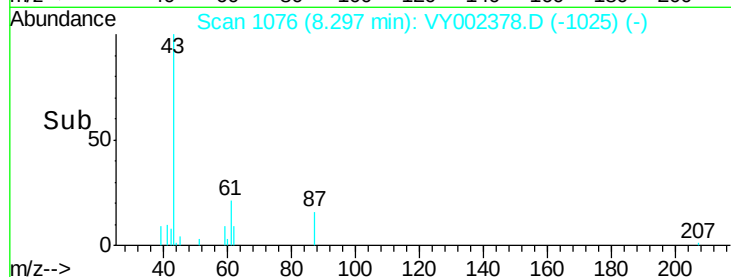
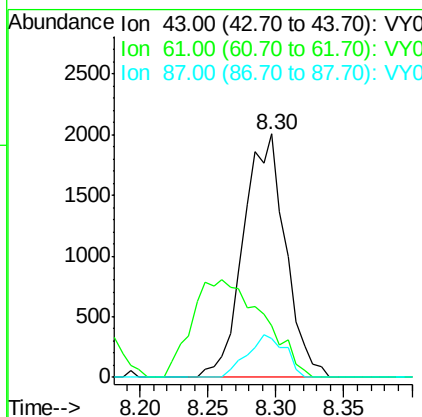
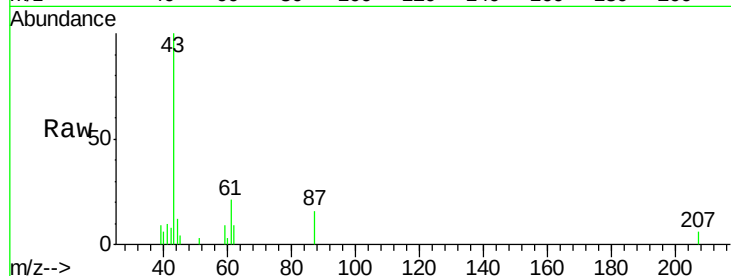
ClientSampleId :

BG-4MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	24.9	37.3#
87	15.7	11.7	17.5

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#44

Trichloroethene

Concen: 56.312 ug/l

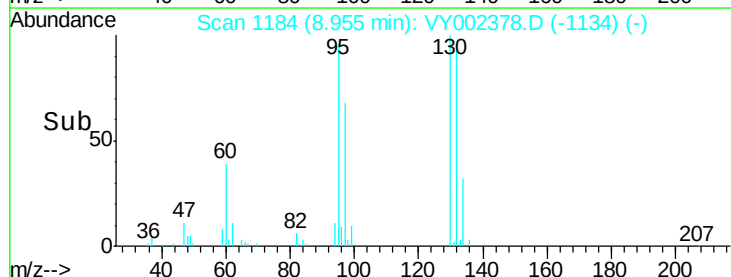
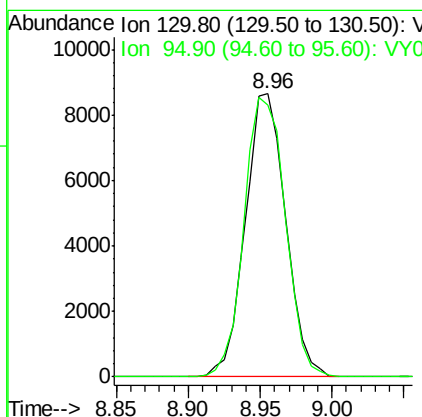
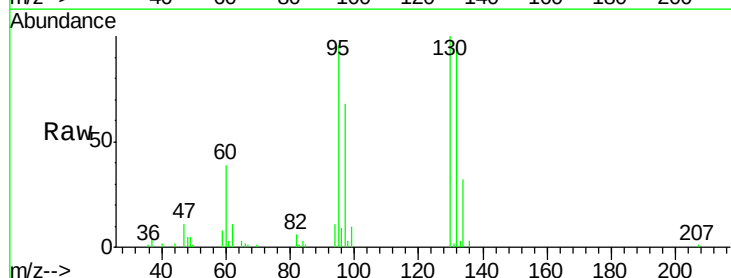
RT: 8.96 min Scan# 1184

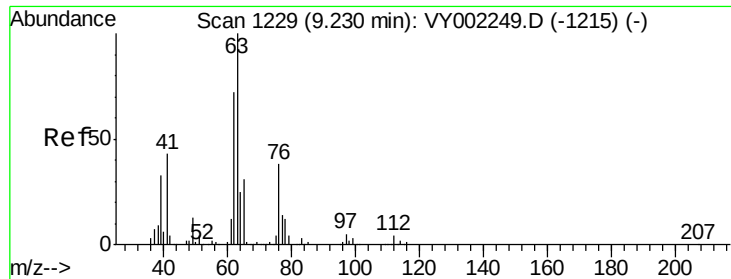
Delta R.T. 0.01 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	208.2





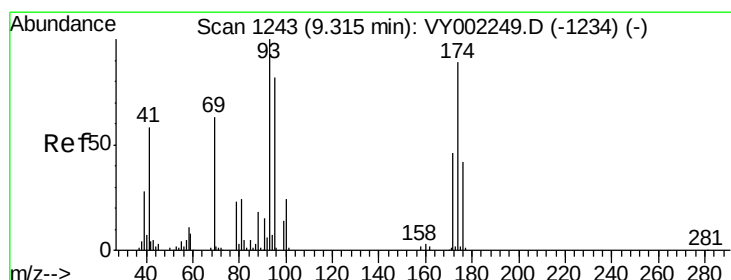
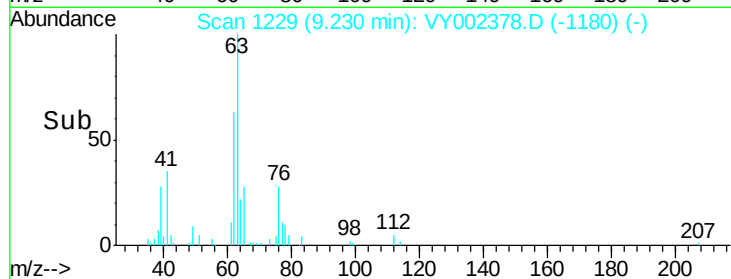
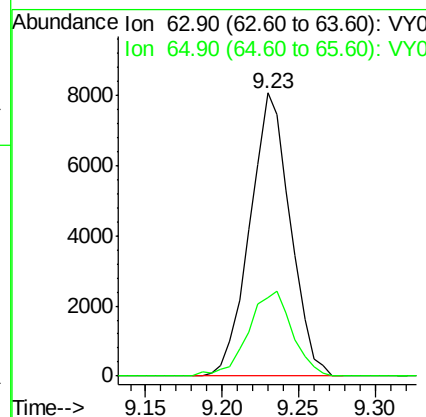
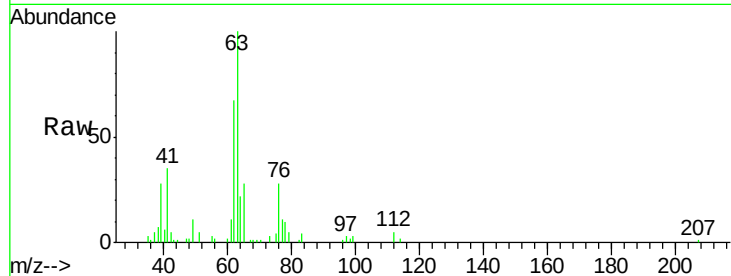
#45
 1,2-Dichloropropane
 Concen: 58.917 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion: 63 Resp: 14772
 Ion Ratio Lower Upper
 63 100
 65 28.0 24.6 37.0

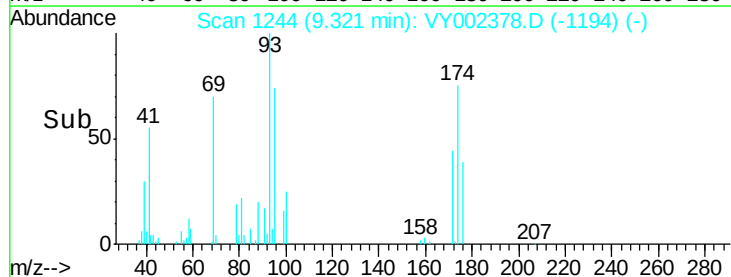
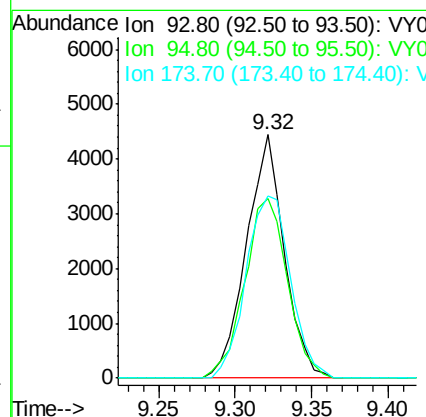
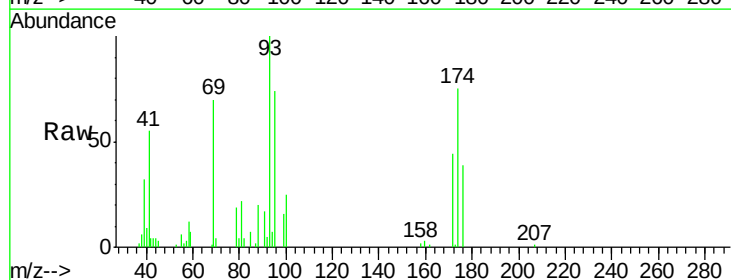
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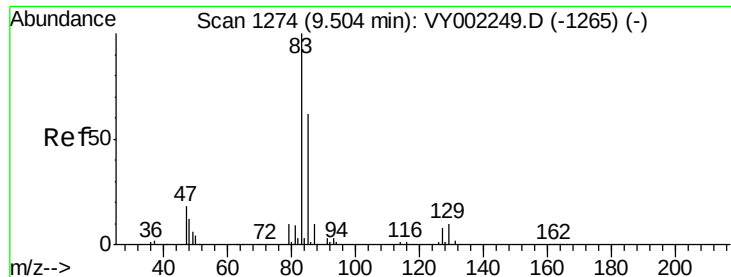
MMDadoda
 4/17/2020 11:52:16 AM



#46
 Dibromomethane
 Concen: 58.241 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Tgt Ion: 93 Resp: 7635
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.3 100.9
 174 88.3 72.5 108.7





#47

Bromodichloromethane

Concen: 55.333 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

Instrument :

MSVOA_Y

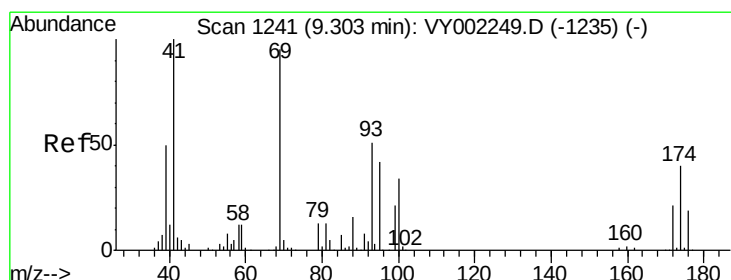
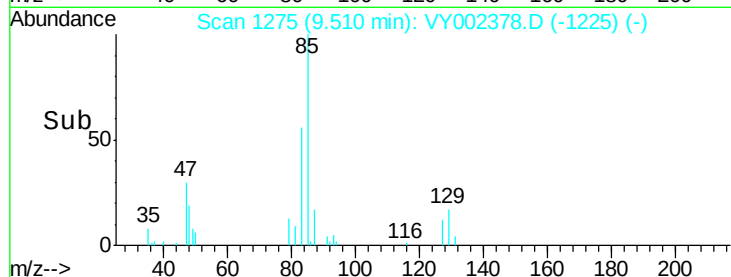
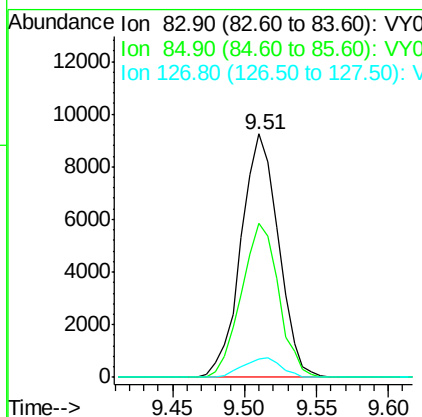
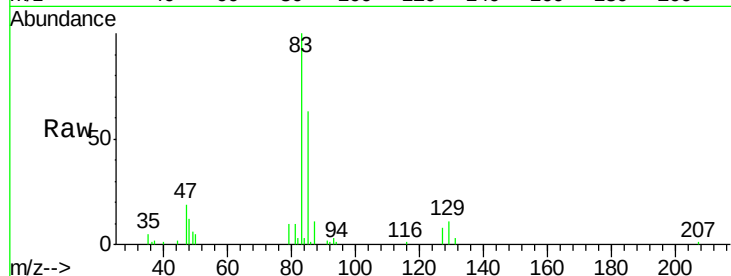
ClientSampleId :

BG-4MS

Tot Ion:	83	Resp:	16644
Ion	Ratio	Lower	Upper
83	100		
85	63.1	49.7	74.5
127	7.6	6.2	9.4

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#48

Methyl methacrylate

Concen: 65.013 ug/l

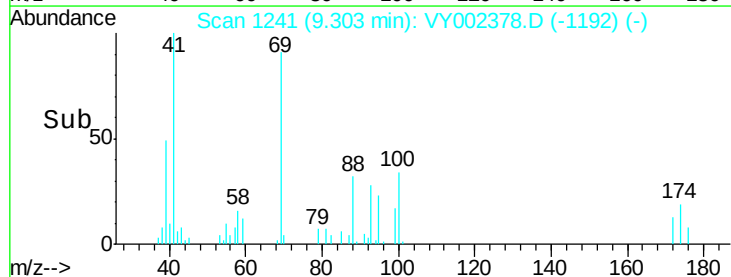
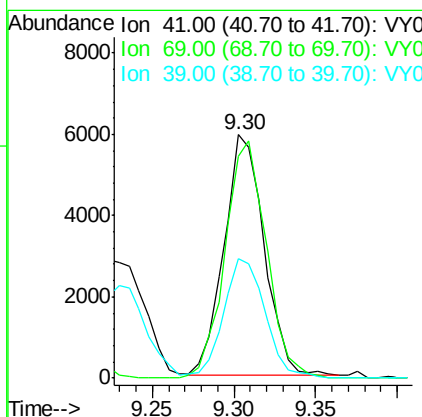
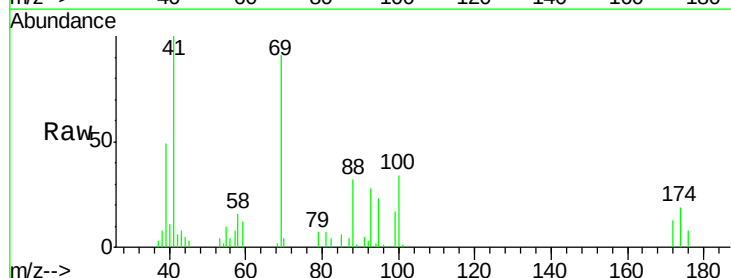
RT: 9.30 min Scan# 1241

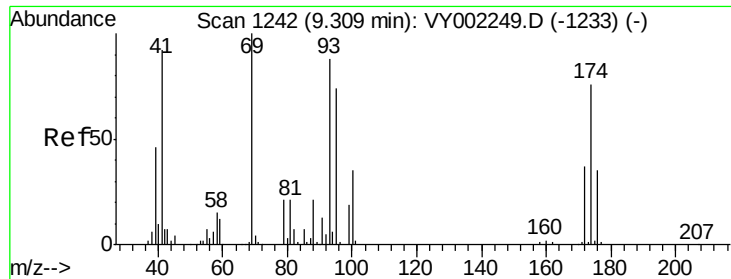
Delta R.T. -0.00 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

Tgt Ion:	41	Resp:	10116
Ion	Ratio	Lower	Upper
41	100		
69	102.2	76.7	115.1
39	52.0	40.5	60.7





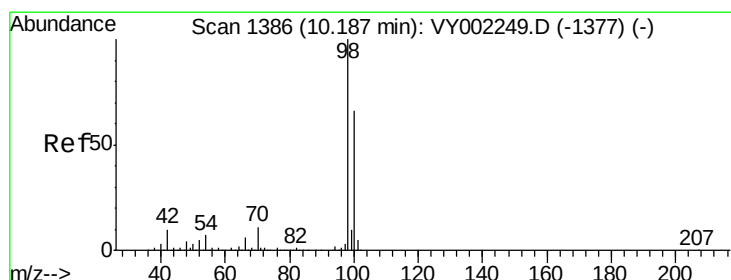
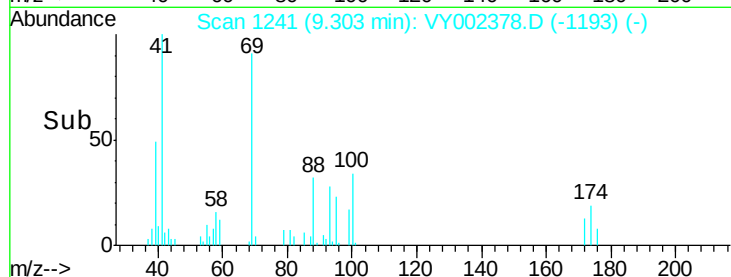
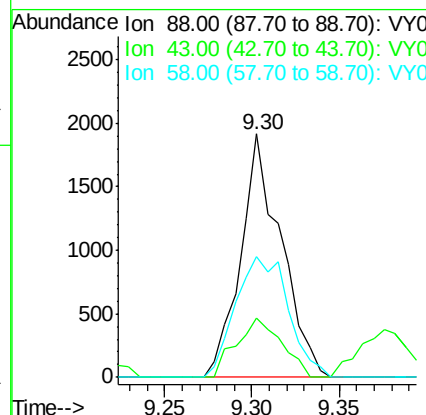
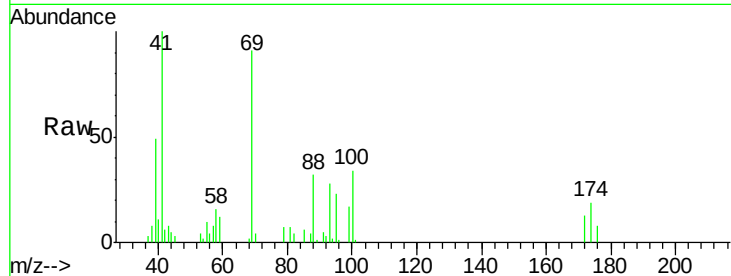
#49
1,4-Dioxane
Concen: 1667.385 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.2	22.2	33.2
58	64.8	57.6	86.4

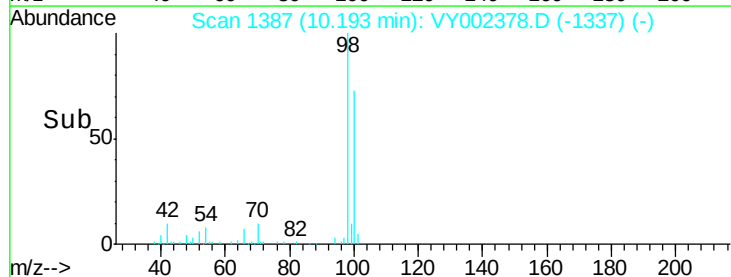
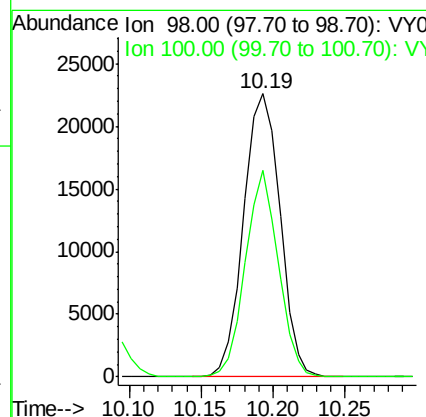
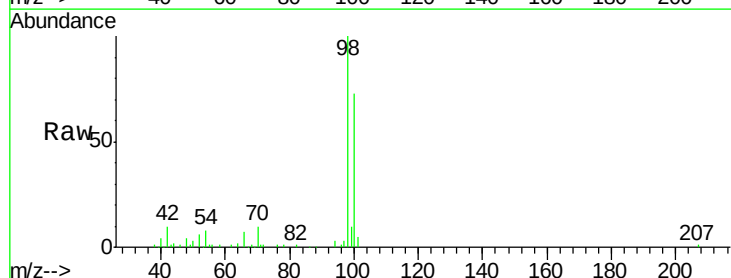
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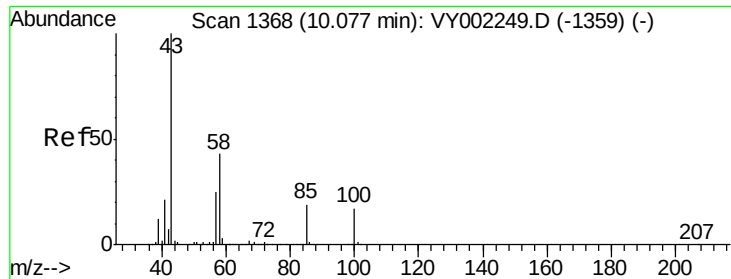
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#50
Toluene-d8
Concen: 47.103 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.6	78.8





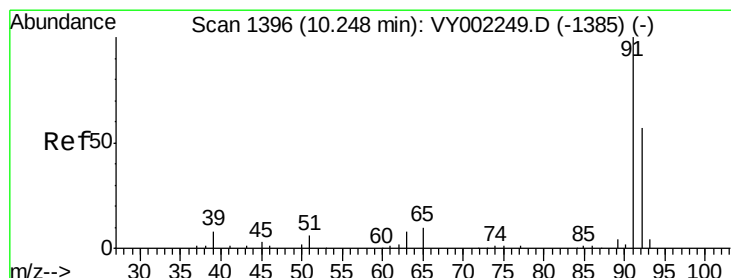
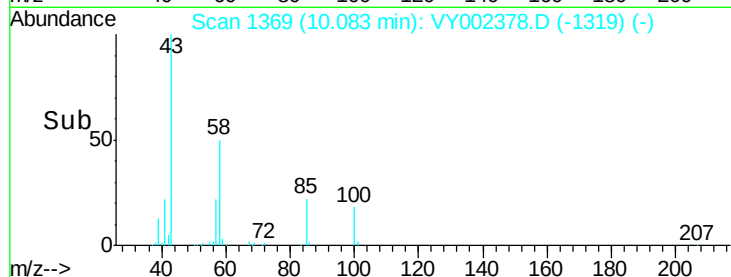
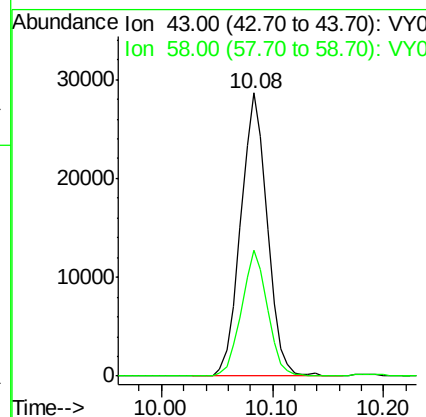
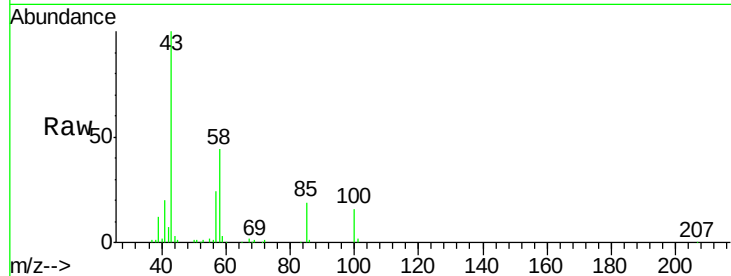
#51
 4-Methyl-2-Pentanone
 Concen: 261.399 ug/l
 RT: 10.08 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion: 43 Resp: 47267
 Ion Ratio Lower Upper
 43 100
 58 43.4 33.8 50.8

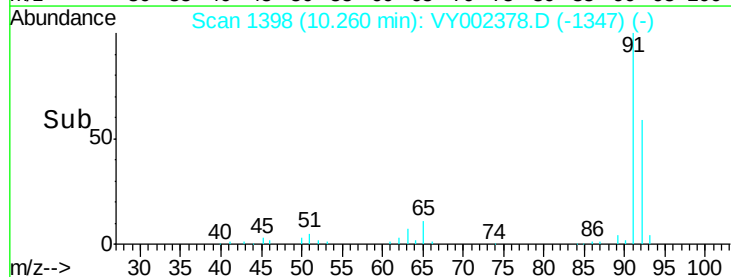
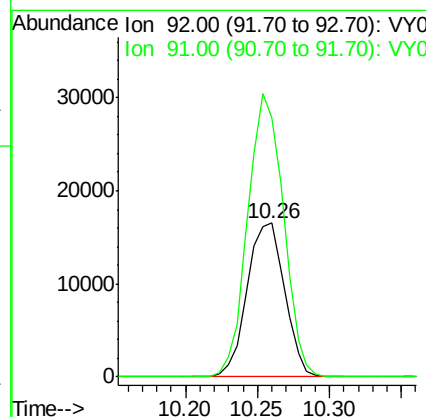
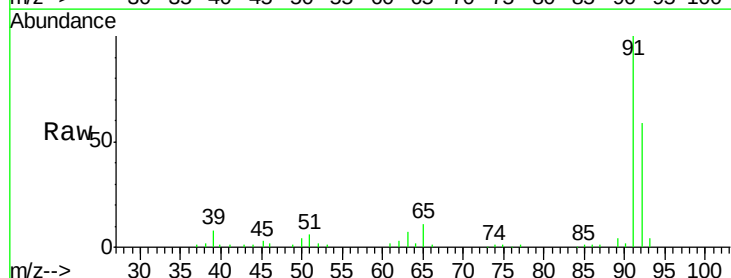
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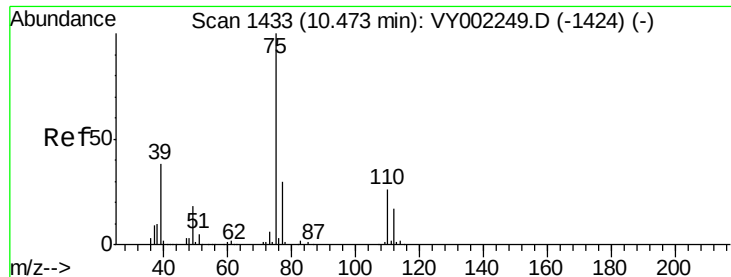
MMDadoda
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#52
 Toluene
 Concen: 48.922 ug/l
 RT: 10.26 min Scan# 1398
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Tgt Ion: 92 Resp: 29793
 Ion Ratio Lower Upper
 92 100
 91 175.0 139.0 208.6





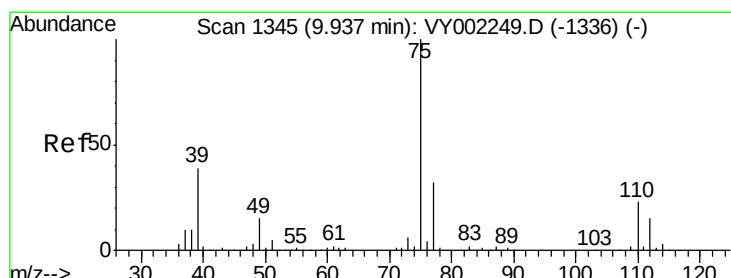
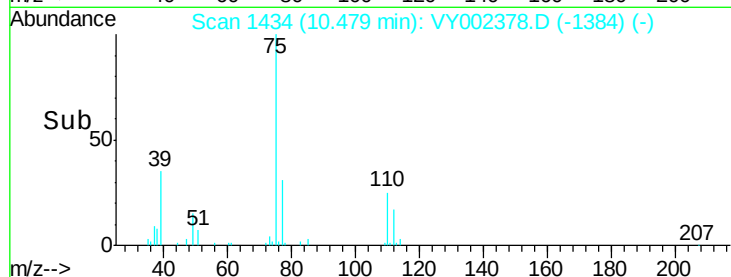
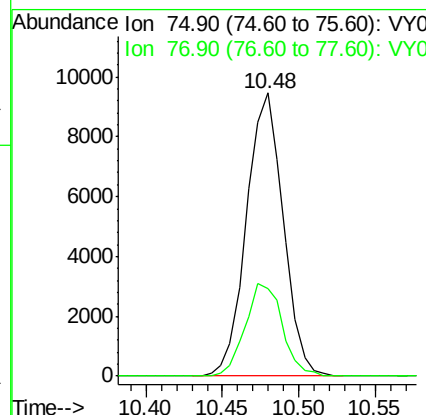
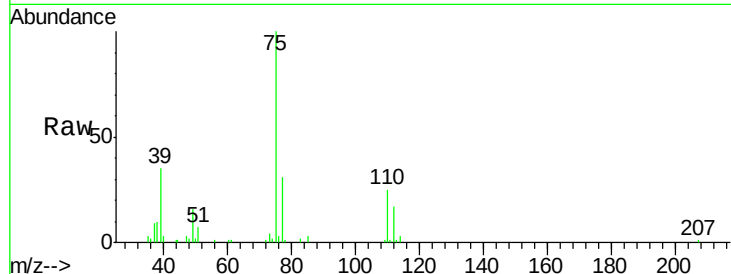
#53
t-1,3-Dichloropropene
Concen: 48.323 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Instrument :
MSVOA_Y
ClientSampled :
BG-4MS

Tot Ion: 75 Resp: 15837
Ion Ratio Lower Upper
75 100
77 31.1 24.2 36.2

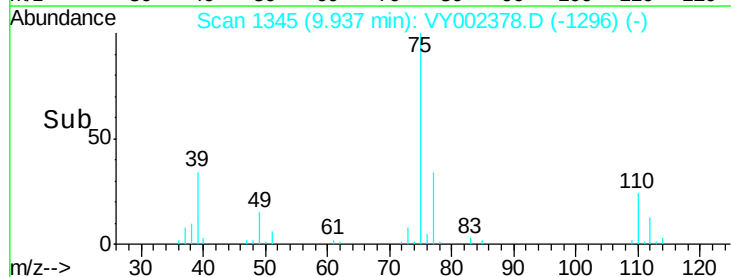
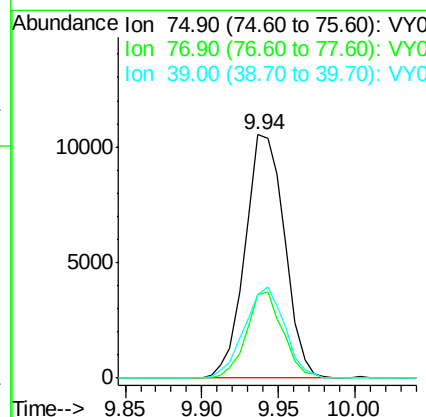
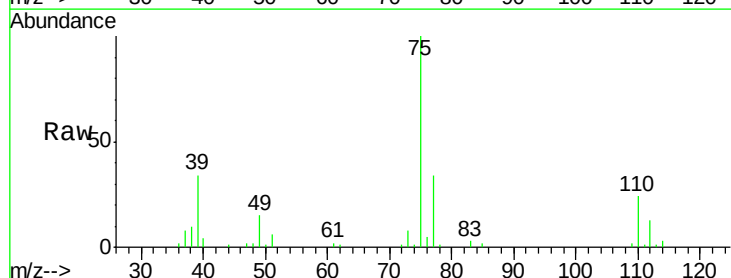
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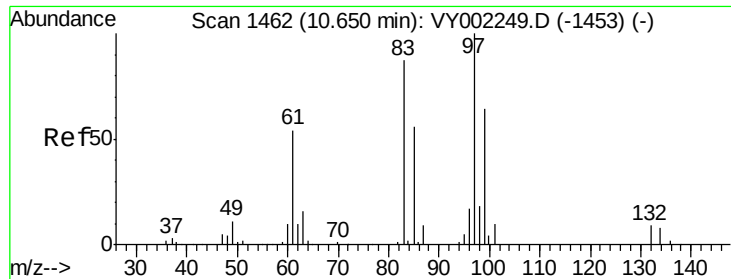
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 47.889 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Tgt Ion: 75 Resp: 18869
Ion Ratio Lower Upper
75 100
77 34.4 25.8 38.8
39 34.3 30.8 46.2





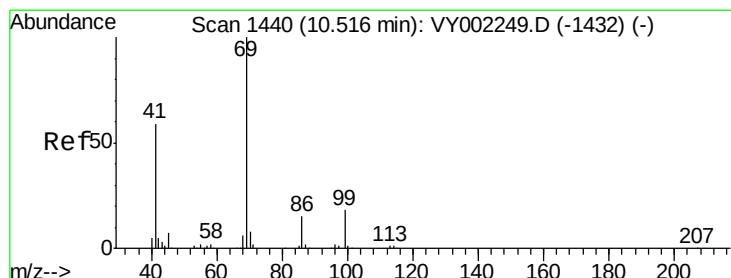
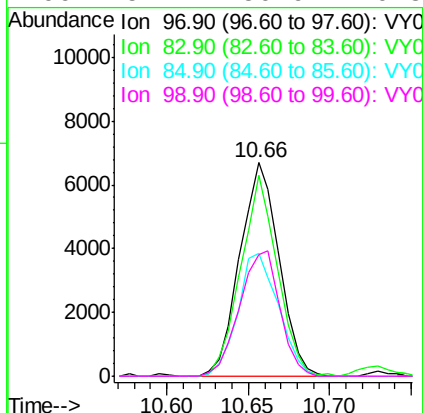
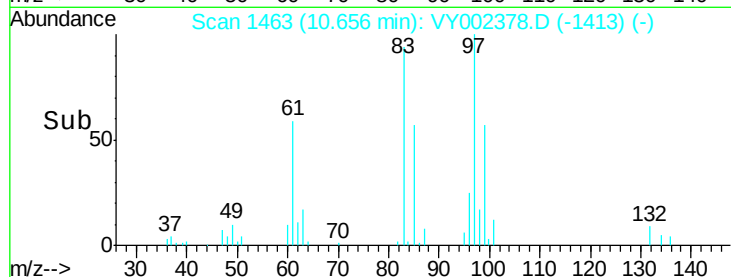
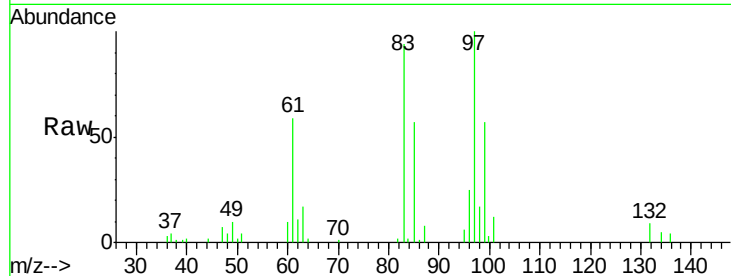
#55
 1,1,2-Trichloroethane
 Concen: 58.350 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion:	97	Resp:	11199
Ion	Ratio	Lower	Upper
97	100		
83	94.1	69.5	104.3
85	57.3	45.2	67.8
99	57.2	50.9	76.3

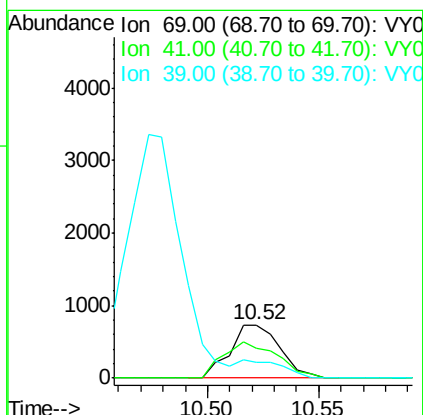
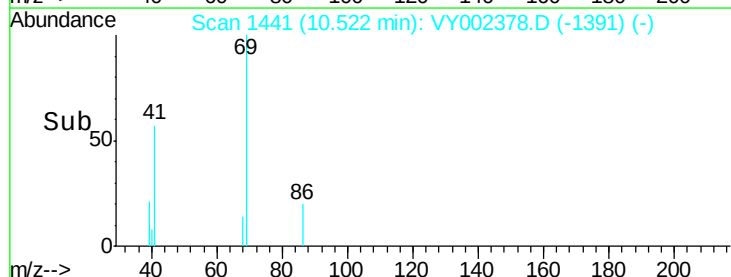
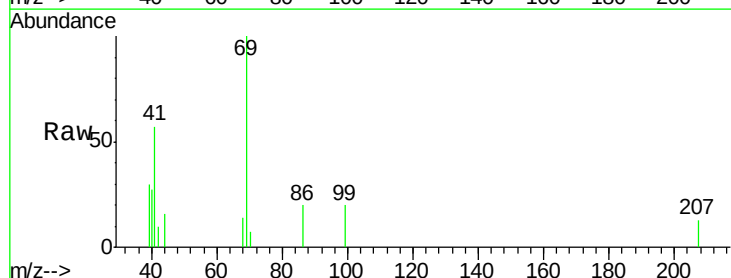
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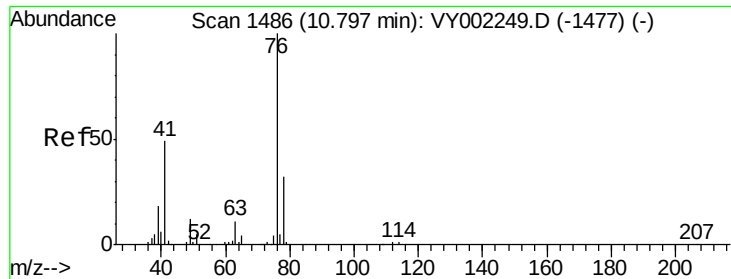
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#56
 Ethyl methacrylate
 Concen: 4.165 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Tgt Ion:	69	Resp:	1141
Ion	Ratio	Lower	Upper
69	100		
41	74.8	47.9	71.9#
39	0.0	23.8	35.6#





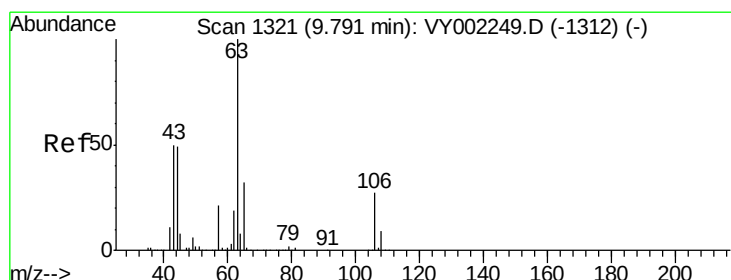
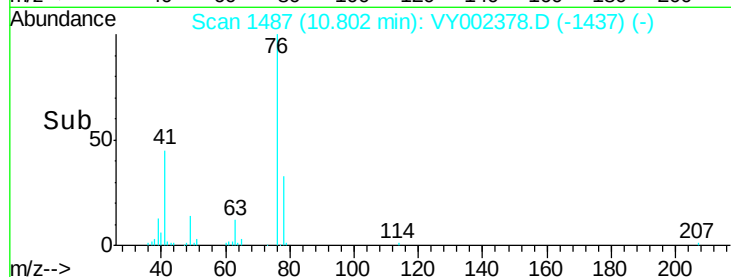
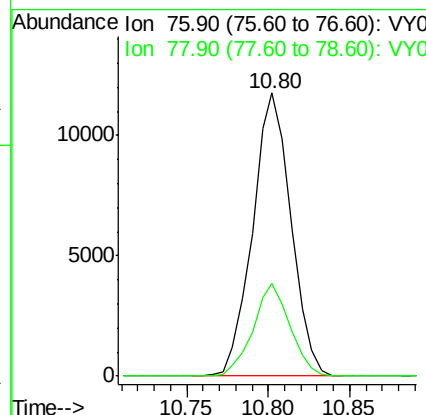
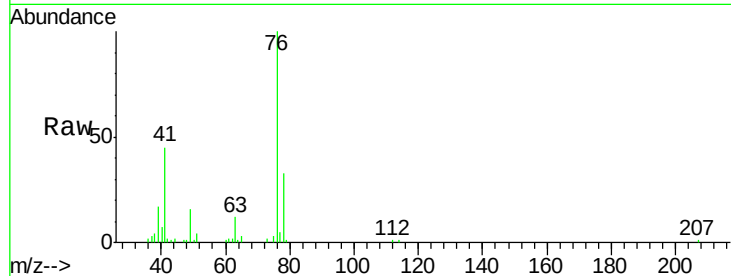
#57
 1,3-Dichloropropane
 Concen: 57.098 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion: 76 Resp: 19262
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.8 38.6

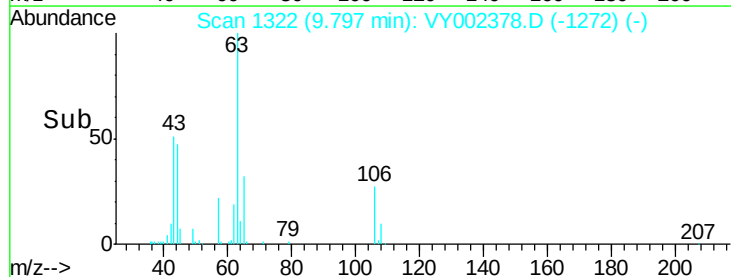
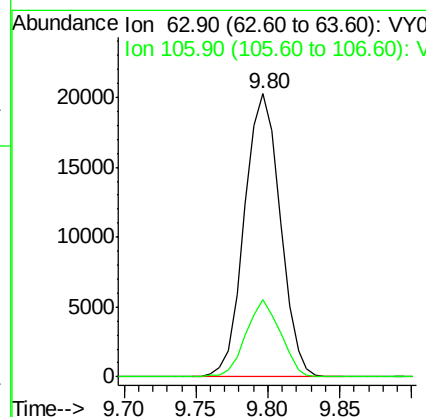
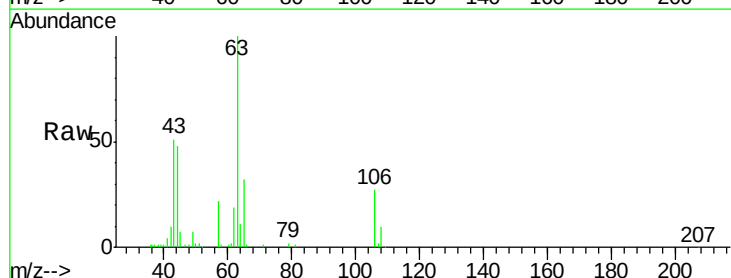
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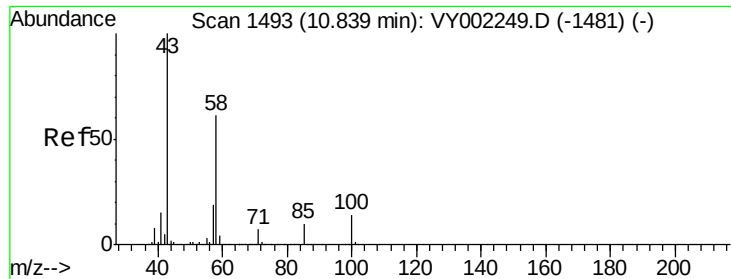
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 246.248 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Tgt Ion: 63 Resp: 34931
 Ion Ratio Lower Upper
 63 100
 106 26.2 22.2 33.2





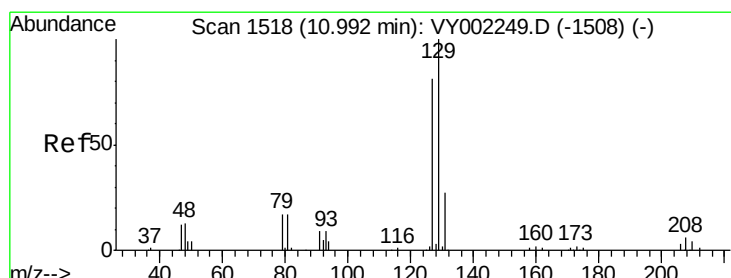
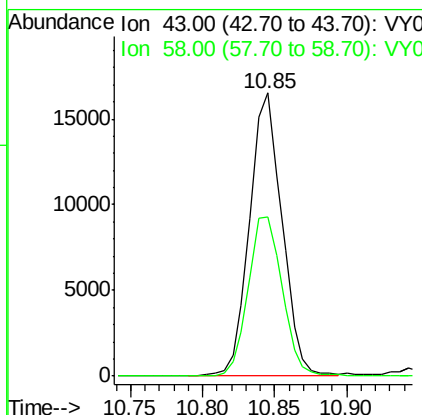
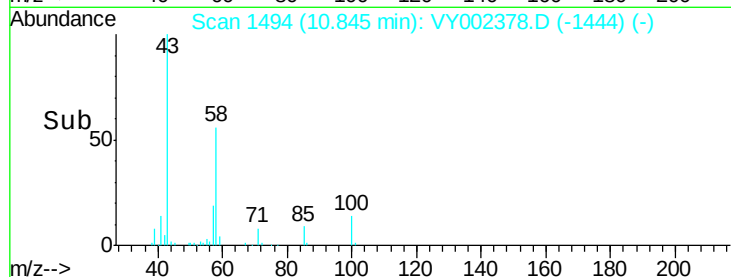
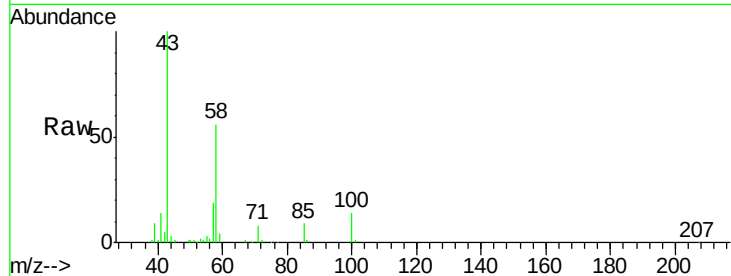
#59
2-Hexanone
Concen: 205.393 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion: 43 Resp: 25776
Ion Ratio Lower Upper
43 100
58 58.9 29.8 89.3

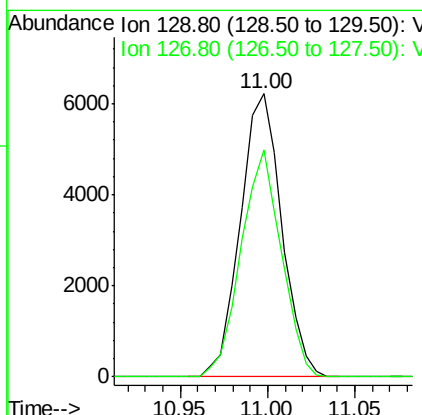
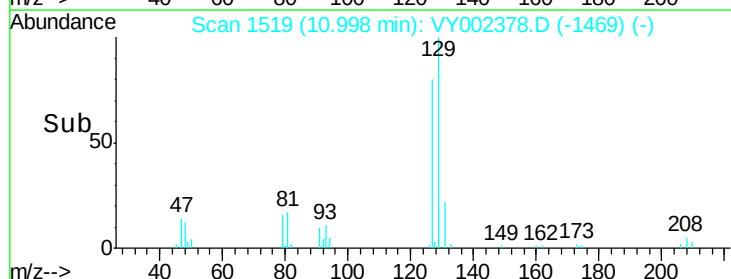
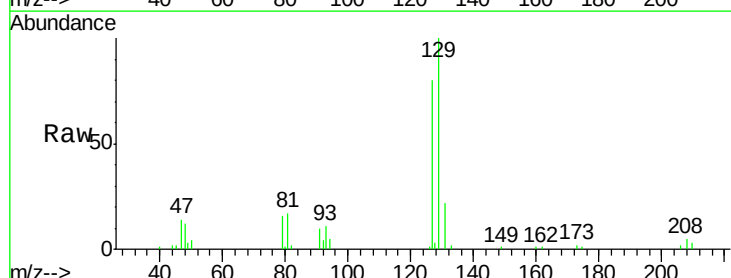
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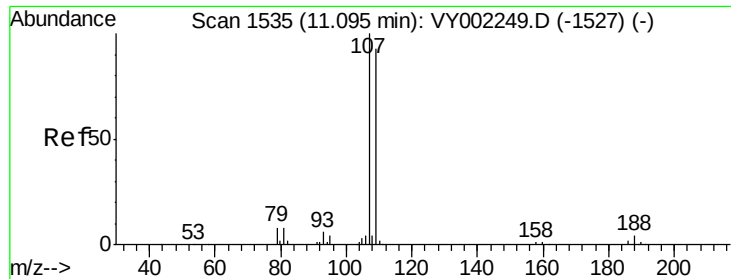
MMDadoda
4/17/2020 11:52:16 AM



#60
Dibromochloromethane
Concen: 50.016 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Tgt Ion: 129 Resp: 10236
Ion Ratio Lower Upper
129 100
127 78.0 39.0 117.0





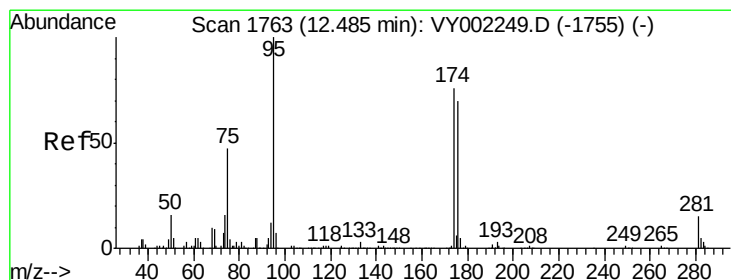
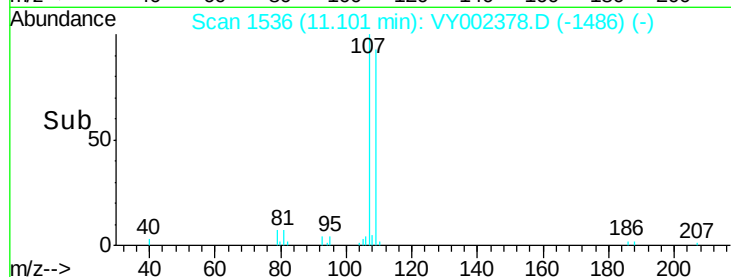
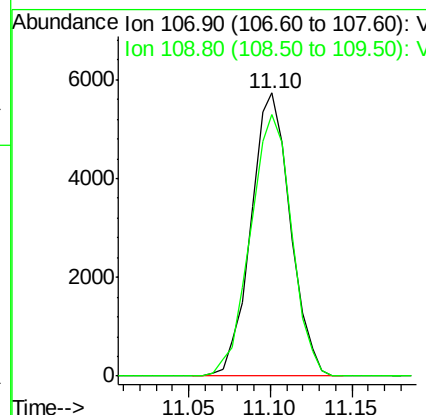
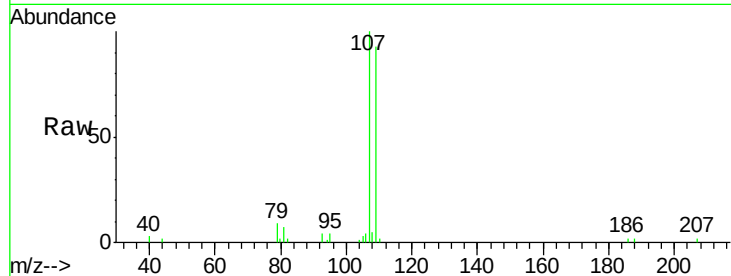
#61
 1,2-Dibromoethane
 Concen: 52.710 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.5	75.6	113.4

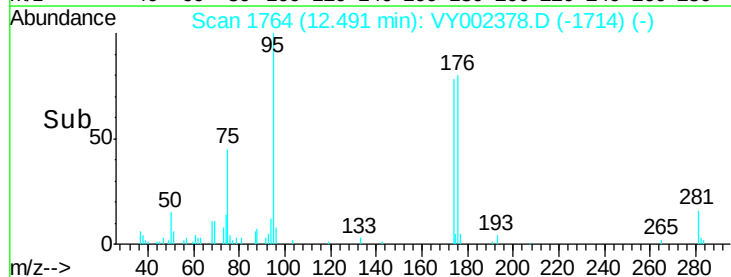
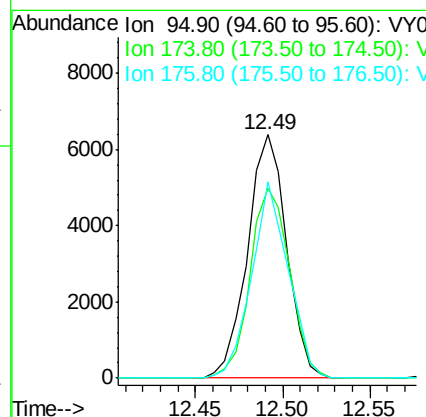
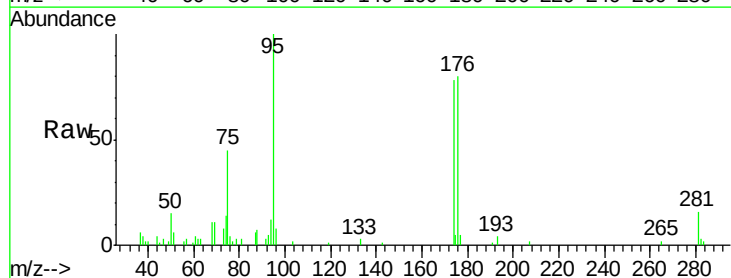
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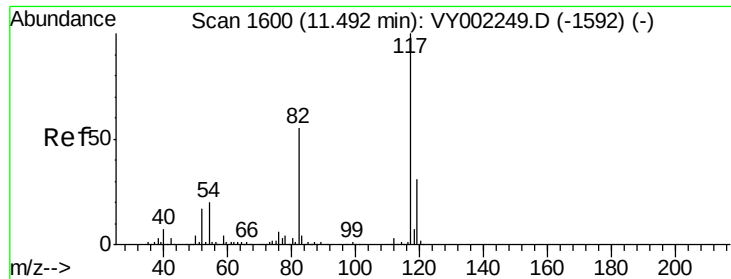
MMDadoda
 4/17/2020 11:52:16 AM



#62
 4-Bromofluorobenzene
 Concen: 35.603 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.2	0.0	150.6
176	76.0	0.0	141.4





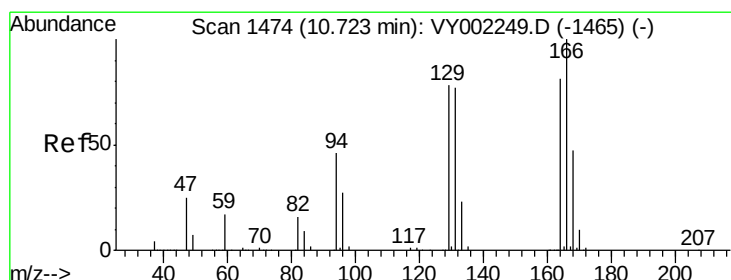
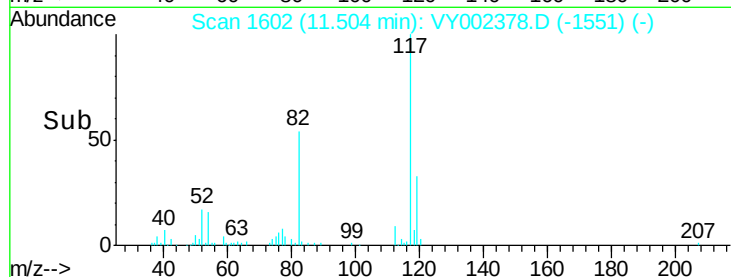
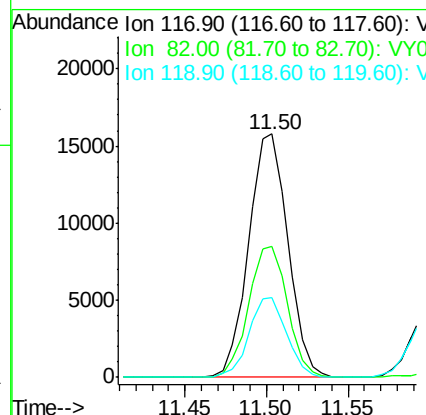
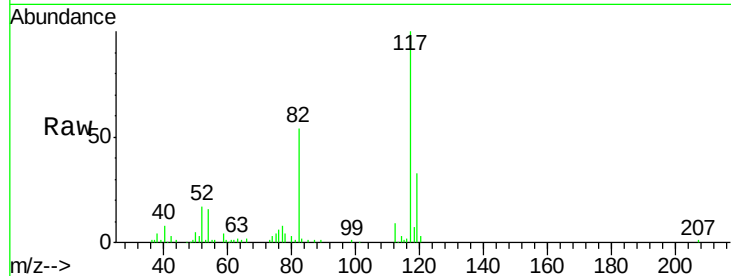
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	26392		
82	54.0		44.2	66.4
119	33.0		25.1	37.7

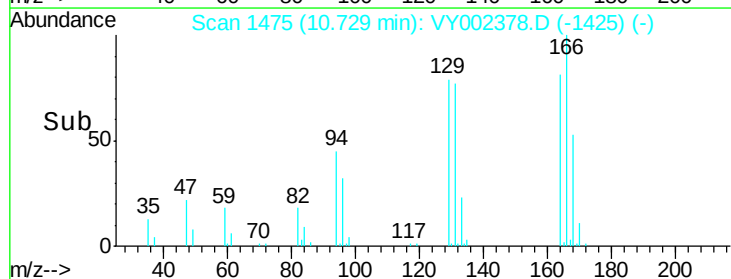
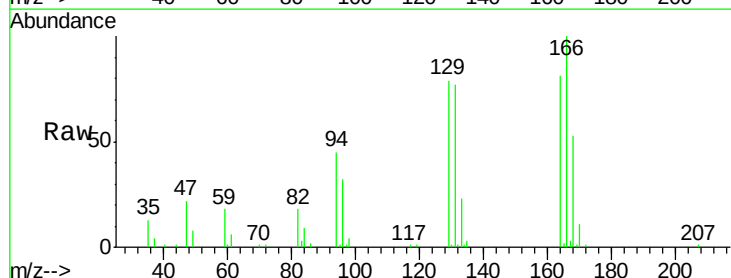
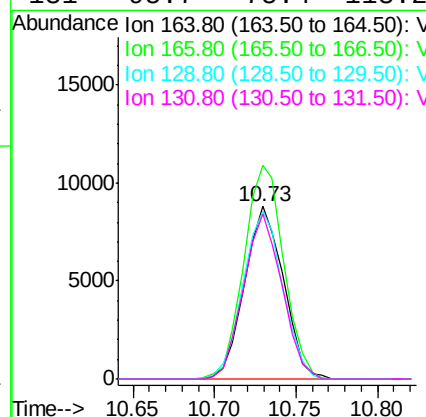
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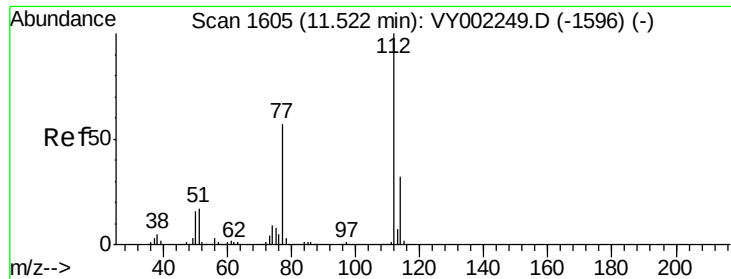
MMDadoda
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#64
Tetrachloroethene
Concen: 54.743 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	14607		
166	123.9		98.4	147.6
129	97.6		76.6	115.0
131	95.7		75.4	113.2





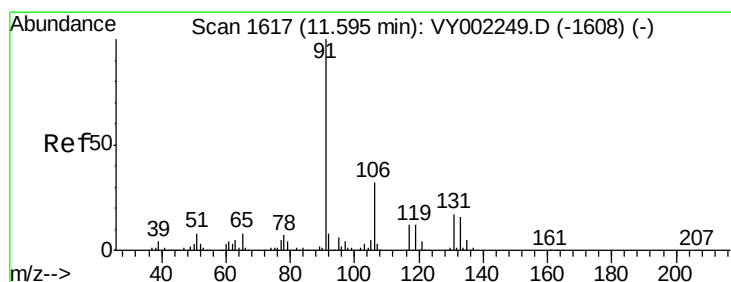
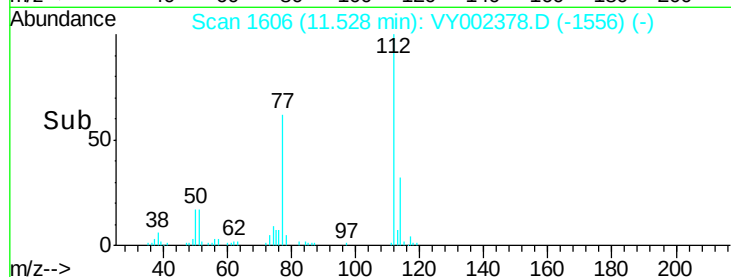
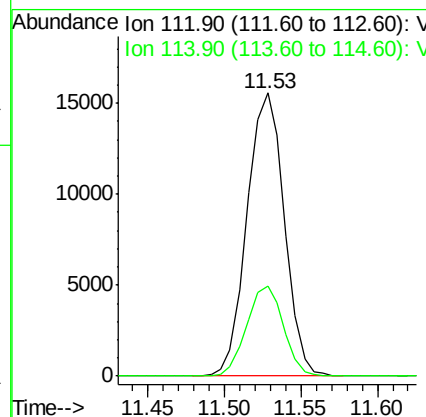
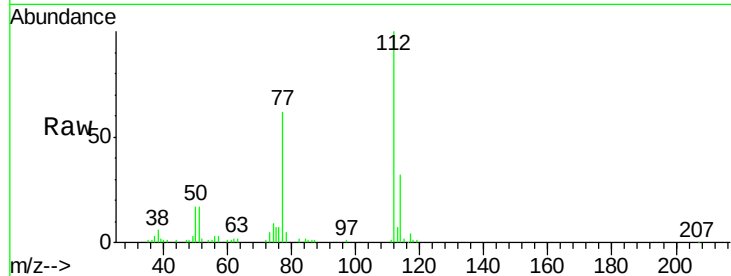
#65
Chlorobenzene
Concen: 48.041 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.6	38.4

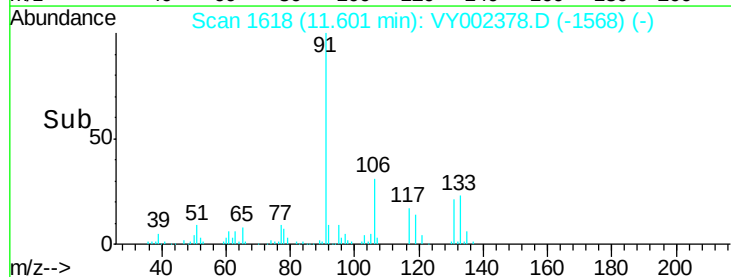
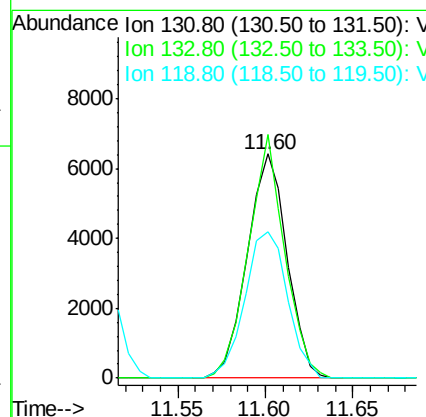
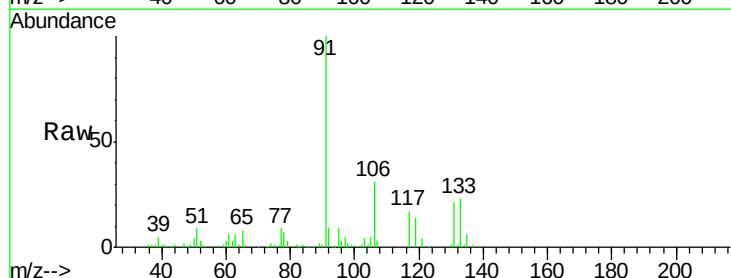
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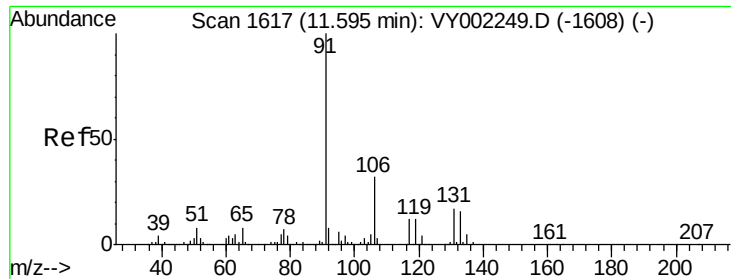
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.054 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.6	46.5	139.3
119	70.2	34.5	103.6





#67

Ethyl Benzene

Concen: 48.077 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.01 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

Instrument :

MSVOA_Y

ClientSampleId :

BG-4MS

Tot Ion: 91 Resp: 48285

Ion Ratio Lower Upper

91 100

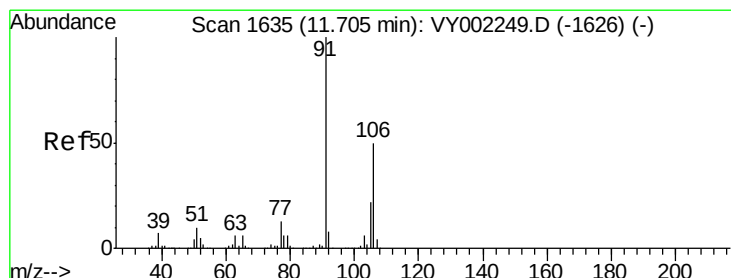
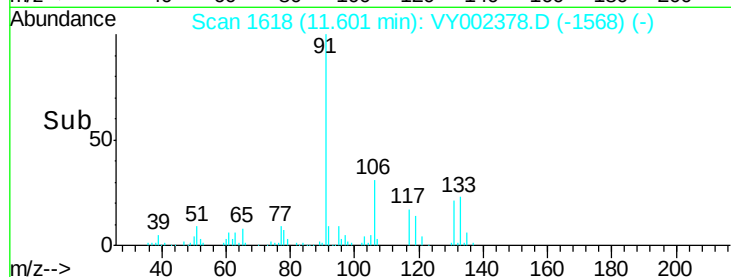
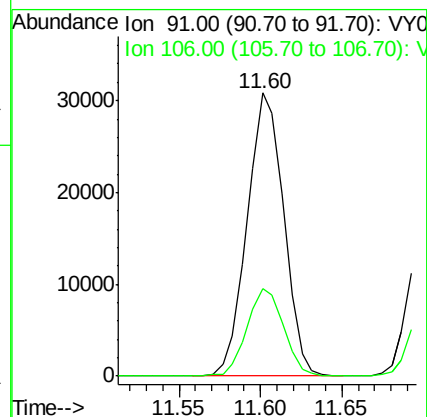
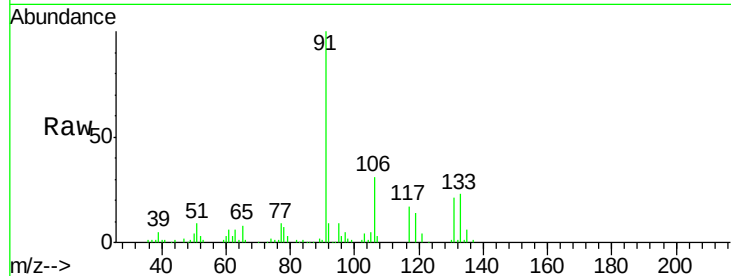
106 31.0 25.4 38.0

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#68

m/p-Xylenes

Concen: 92.238 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VY002378.D

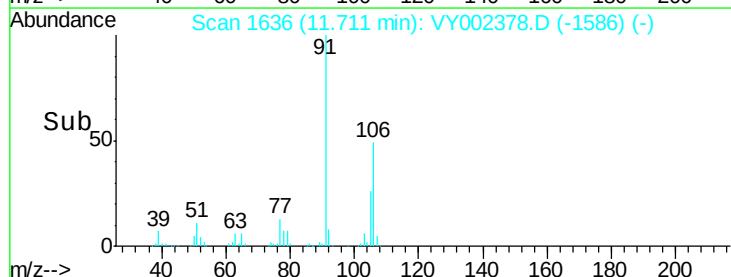
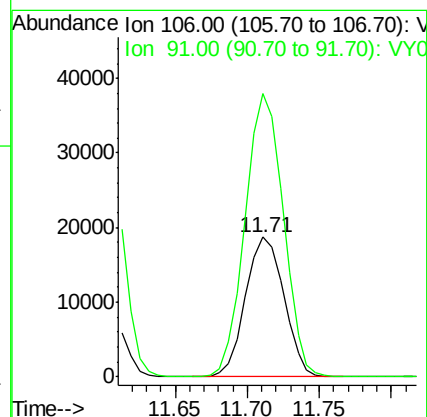
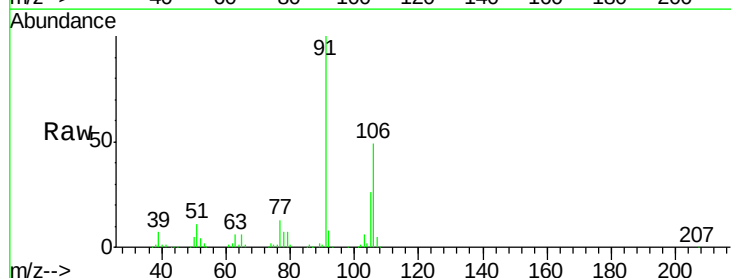
Acq: 16 Apr 2020 19:22

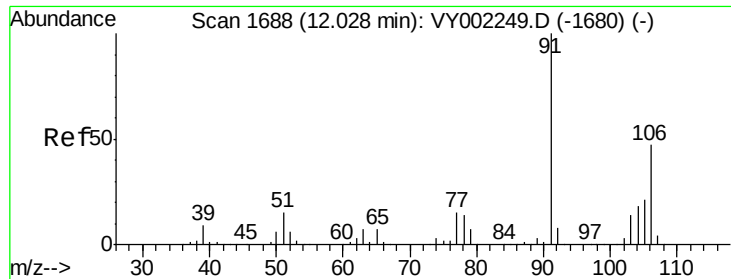
Tgt Ion: 106 Resp: 34697

Ion Ratio Lower Upper

106 100

91 201.5 159.8 239.6





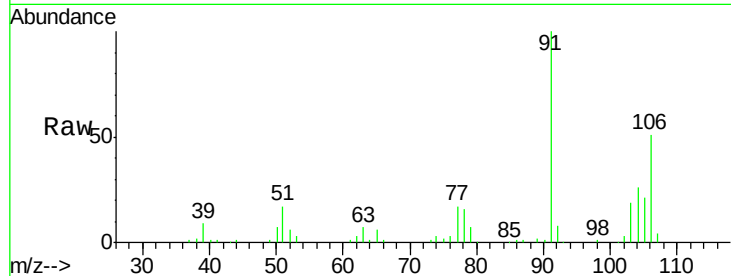
#69
o-Xylene
Concen: 49.821 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

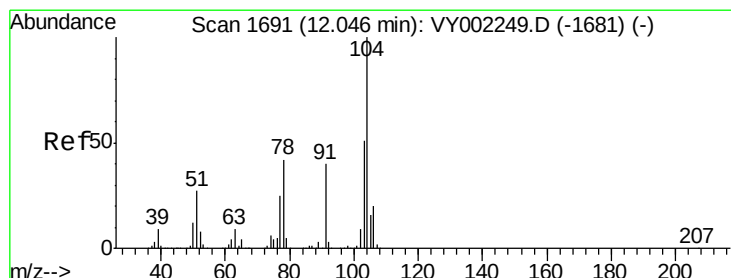
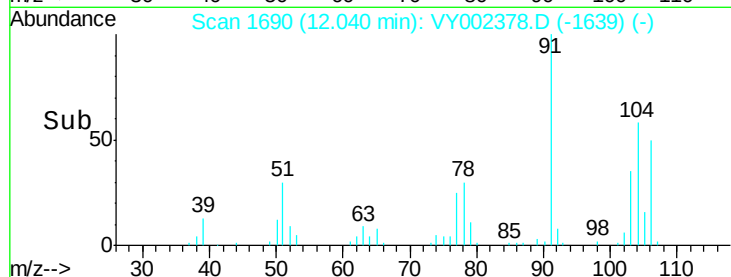
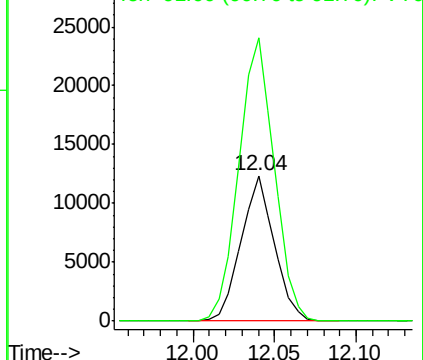
Tot Ion:106 Resp: 17595
Ion Ratio Lower Upper
106 100
91 207.4 105.8 317.3

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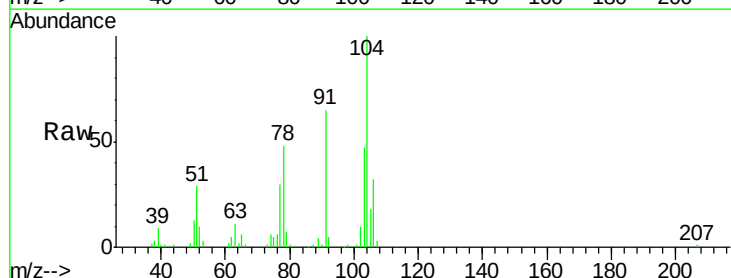


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

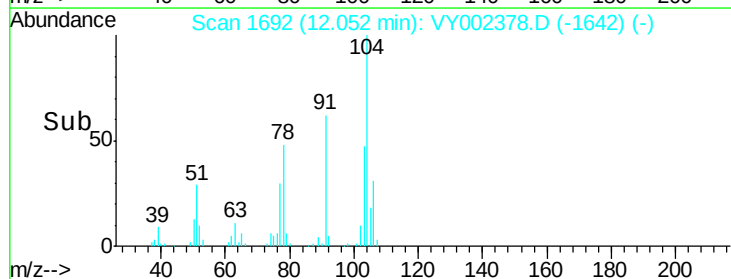
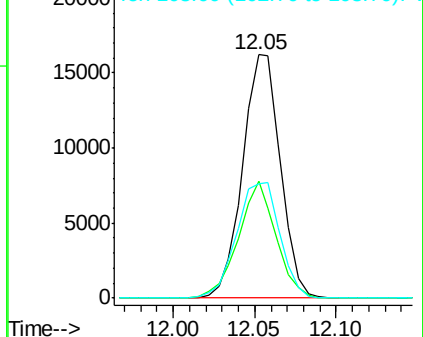


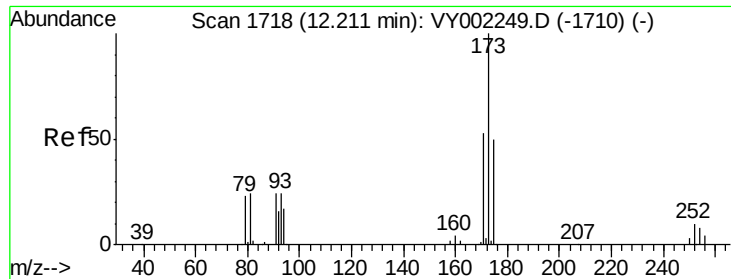
#70
Styrene
Concen: 42.710 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Tgt Ion:104 Resp: 26169
Ion Ratio Lower Upper
104 100
78 47.4 37.2 55.8
103 54.3 43.4 65.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.477 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.01 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

Instrument :

MSVOA_Y

ClientSampleId :

BG-4MS

Tot Ion:173 Resp: 4972

Ion Ratio Lower Upper

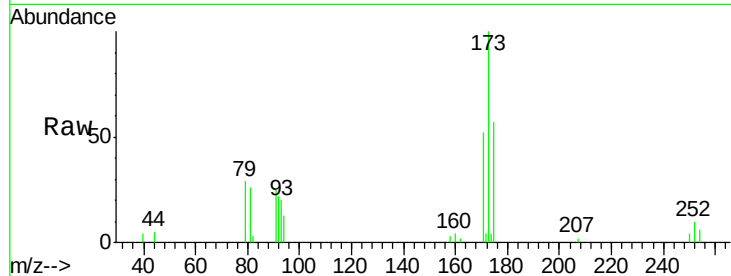
173 100

175 49.3 24.1 72.3

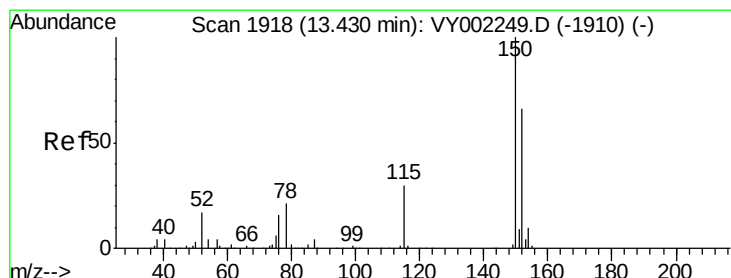
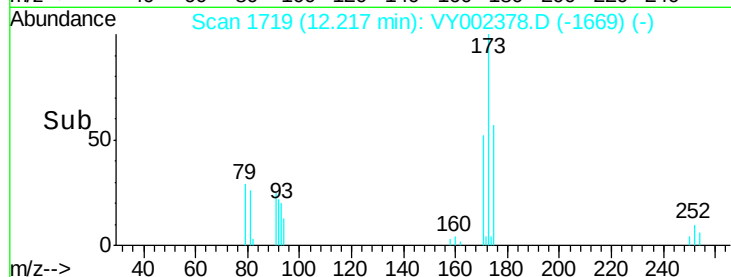
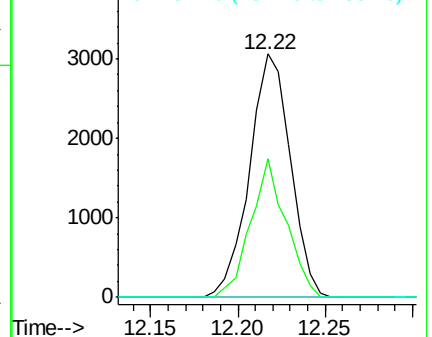
254 0.0 0.0 0.0

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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: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

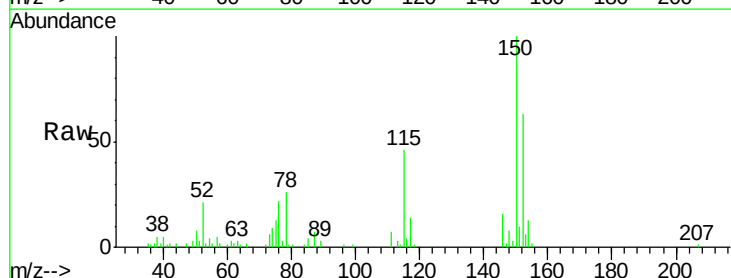
Tgt Ion:152 Resp: 8095

Ion Ratio Lower Upper

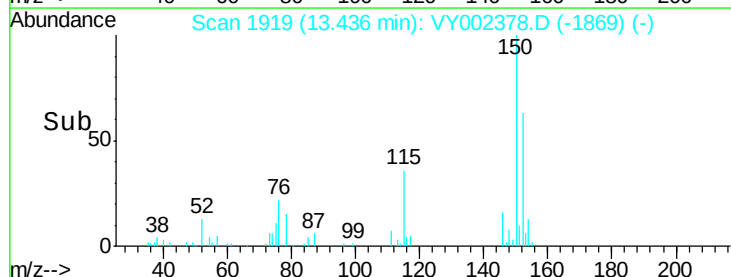
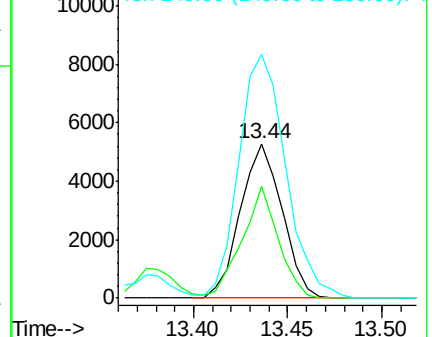
152 100

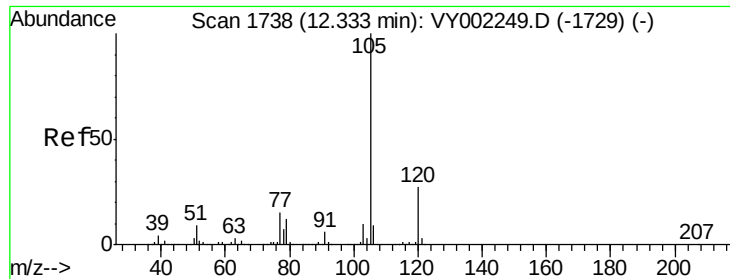
115 63.0 30.7 92.1

150 178.2 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





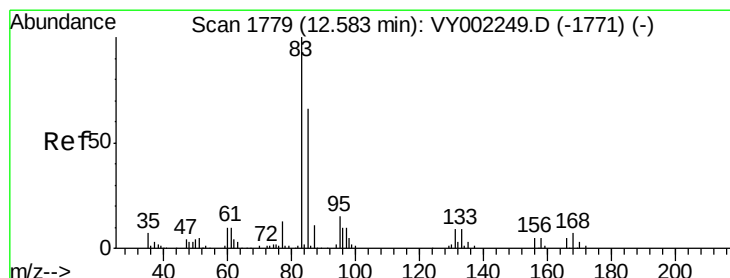
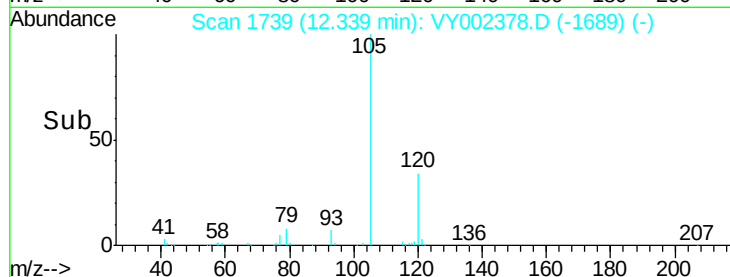
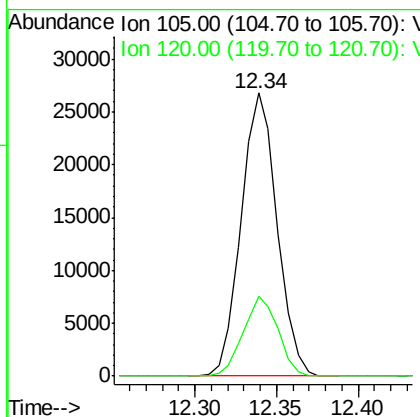
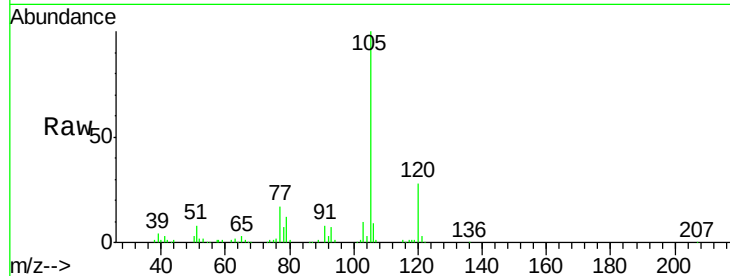
#73
Isopropylbenzene
Concen: 64.414 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion	Ratio	Resp	Lower	Upper
105	100	40964		
120	27.4	13.3	39.8	

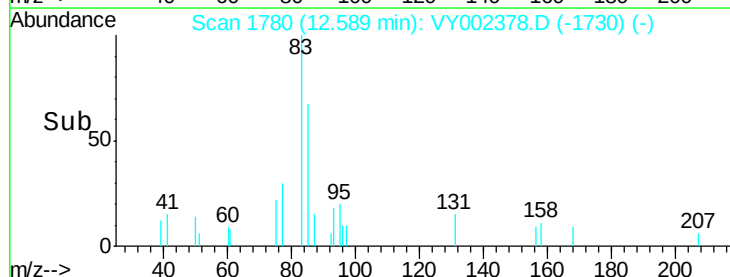
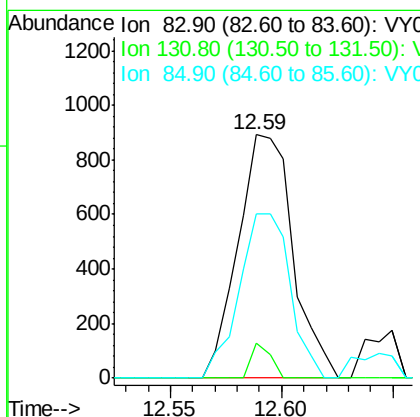
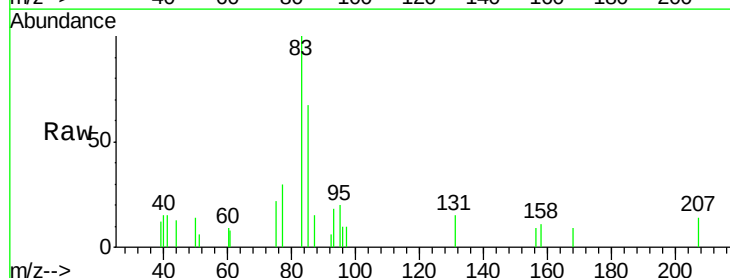
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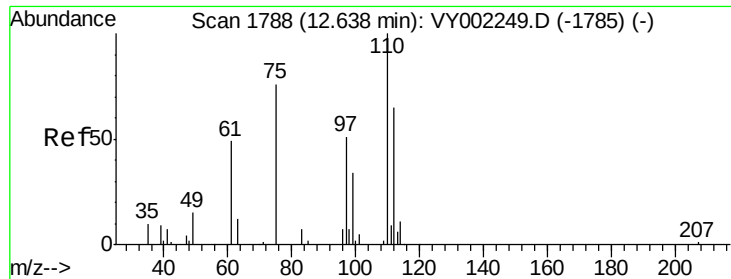
MMDadoda
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#75
1,1,2,2-Tetrachloroethane
Concen: 19.859 ug/l
RT: 12.59 min Scan# 1780
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	1528		
131	5.2	4.9	14.7	
85	62.6	32.6	97.8	





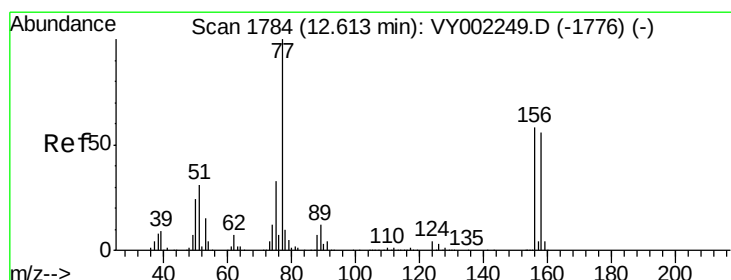
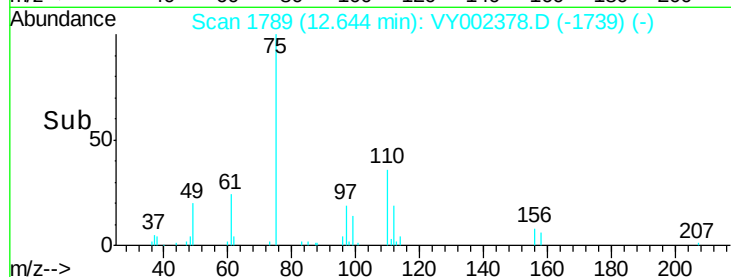
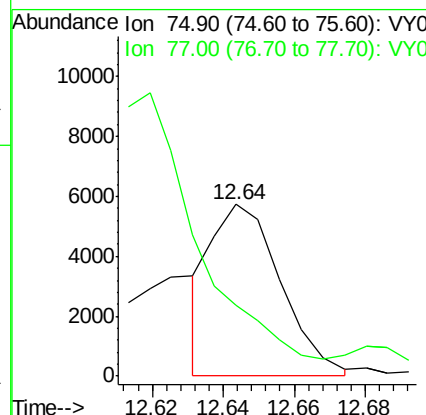
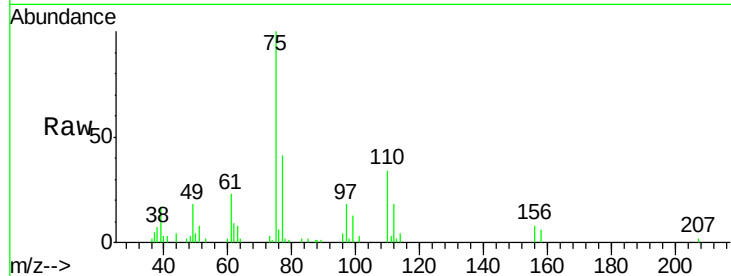
#76
 1,2,3-Trichloropropane
 Concen: 82.606 ug/l m
 RT: 12.64 min Scan# 1789
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion: 75 Resp: 7765
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

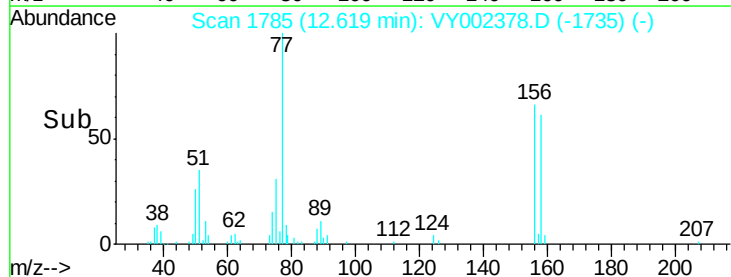
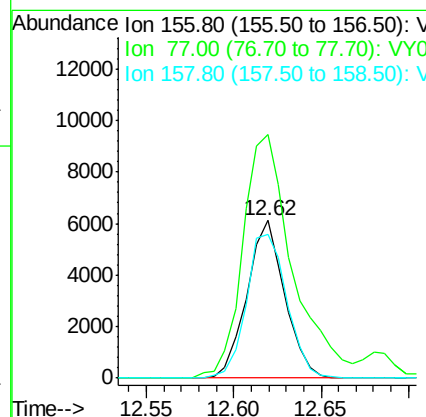
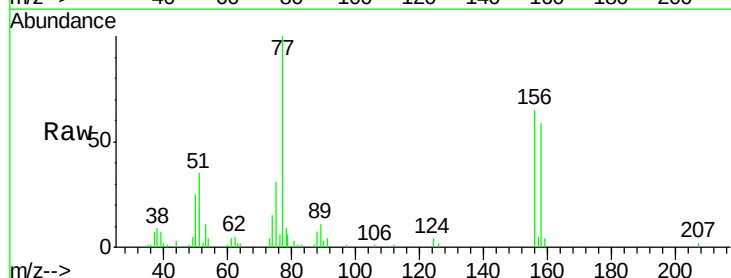
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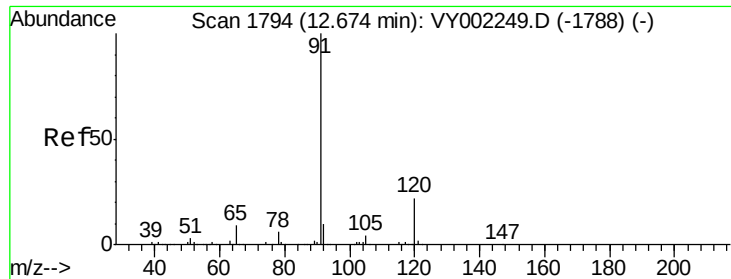
MMDadoda
 4/17/2020 11:52:16 AM



#77
 Bromobenzene
 Concen: 65.576 ug/l
 RT: 12.62 min Scan# 1785
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Tgt Ion: 156 Resp: 9175
 Ion Ratio Lower Upper
 156 100
 77 203.9 101.3 303.9
 158 97.4 48.3 144.8





#78

n-propylbenzene

Concen: 56.165 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

Instrument :

MSVOA_Y

ClientSampleId :

BG-4MS

Tot Ion: 91 Resp: 44423

Ion Ratio Lower Upper

91 100

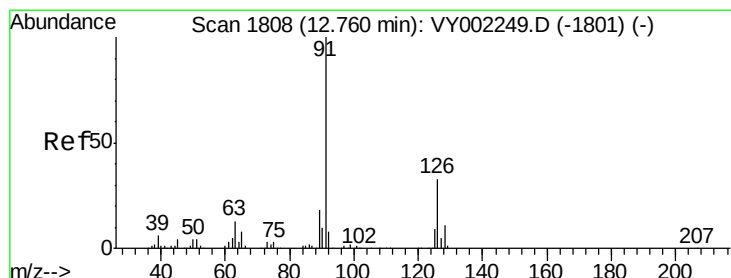
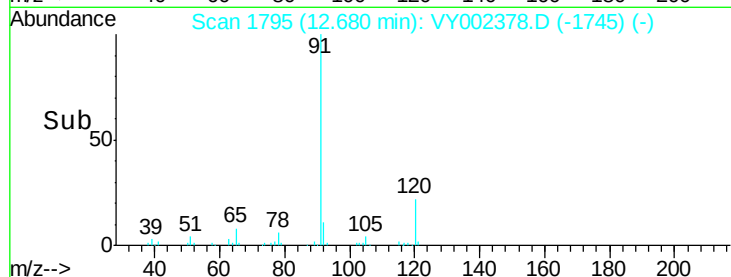
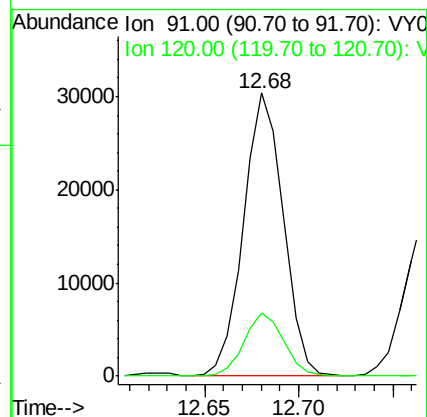
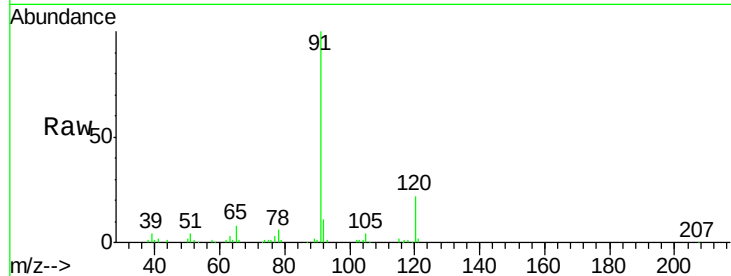
120 22.2 11.2 33.5

Manual Integrations

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#79

2-Chlorotoluene

Concen: 58.942 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY002378.D

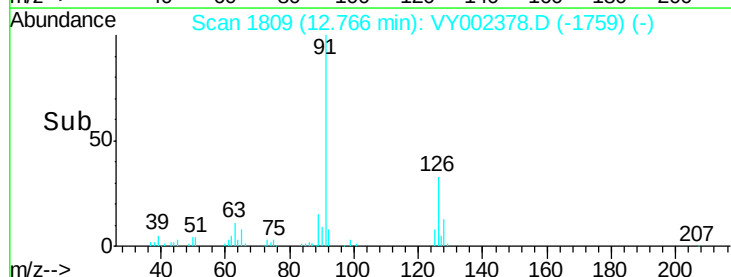
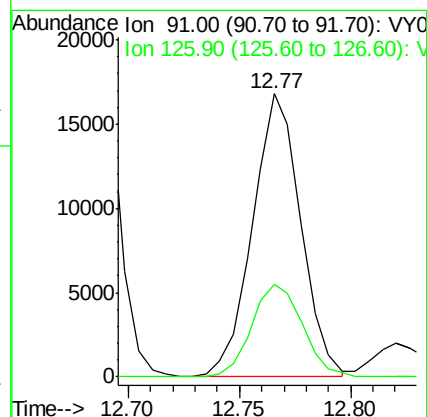
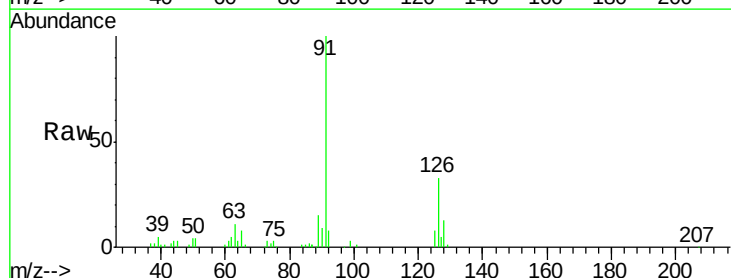
Acq: 16 Apr 2020 19:22

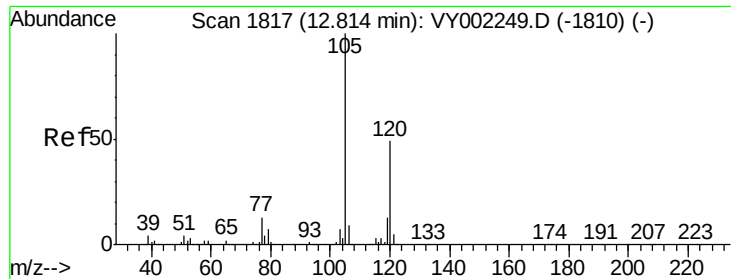
Tgt Ion: 91 Resp: 25335

Ion Ratio Lower Upper

91 100

126 34.3 16.9 50.7





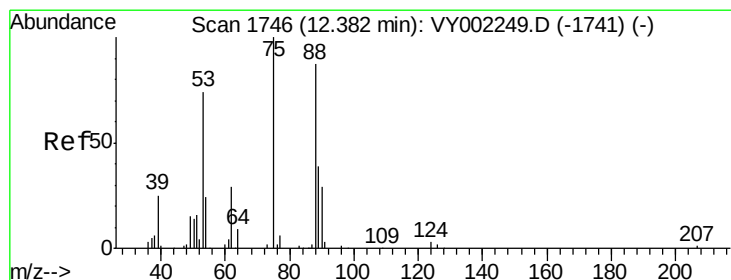
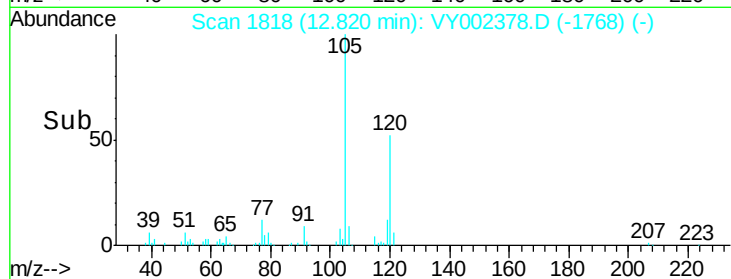
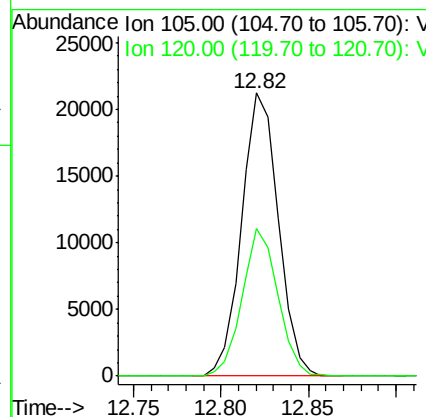
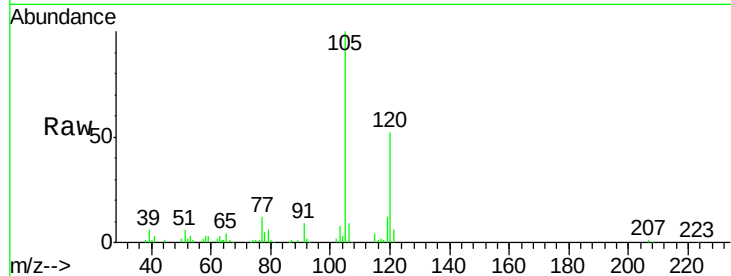
#80
 1,3,5-Trimethylbenzene
 Concen: 58.821 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion: 105 Resp: 30937
 Ion Ratio Lower Upper
 105 100
 120 50.6 24.7 74.1

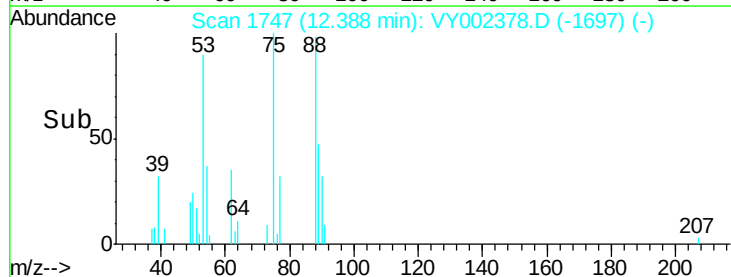
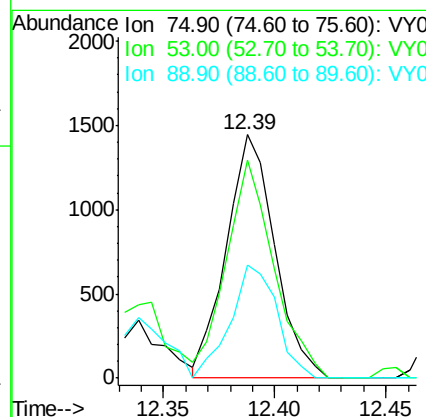
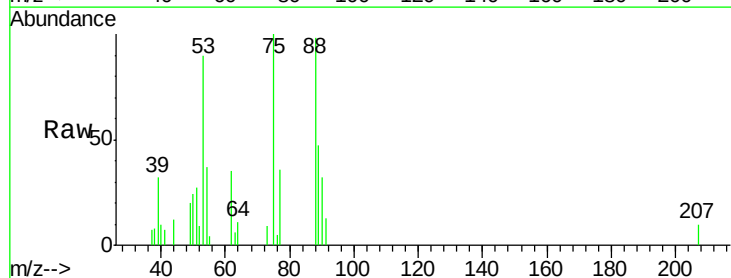
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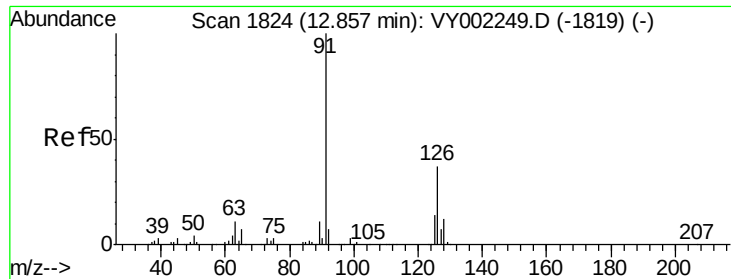
MMDadoda
 4/17/2020 11:52:16 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.314 ug/l
 RT: 12.39 min Scan# 1747
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Tgt Ion: 75 Resp: 2190
 Ion Ratio Lower Upper
 75 100
 53 87.7 59.8 89.8
 89 44.6 37.0 55.6





#82

4-Chlorotoluene

Concen: 54.627 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

Instrument :

MSVOA_Y

ClientSampleId :

BG-4MS

Tot Ion: 91 Resp: 24610

Ion Ratio Lower Upper

91 100

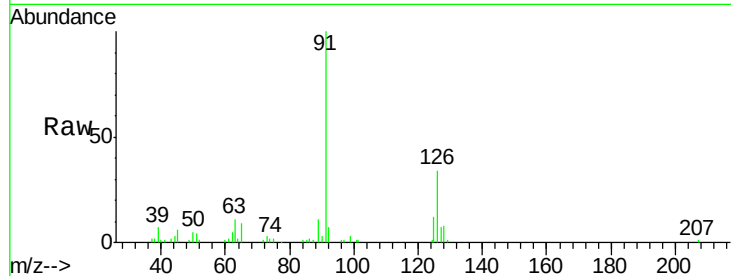
126 33.1 16.9 50.7

Manual Integrations

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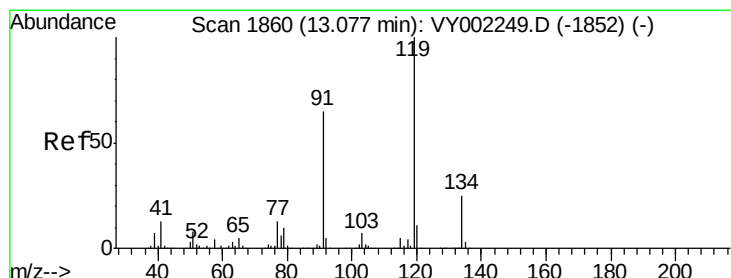
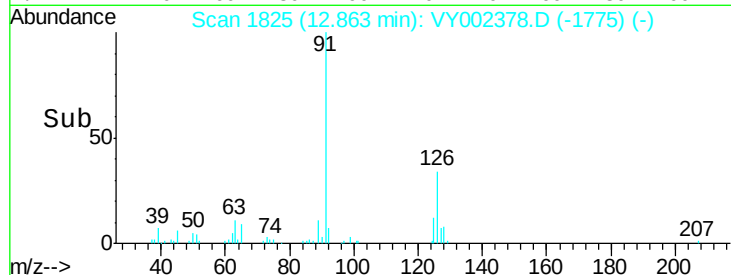
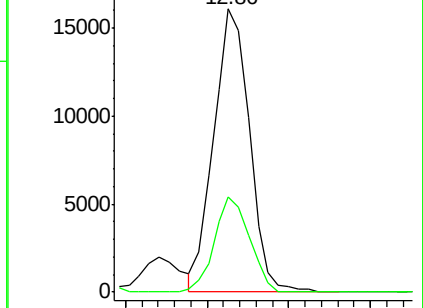
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VY002249.D (-1819) (-)

Ion 125.90 (125.60 to 126.60): VY002249.D (-1819) (-)



#83

tert-Butylbenzene

Concen: 58.000 ug/l

RT: 13.09 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

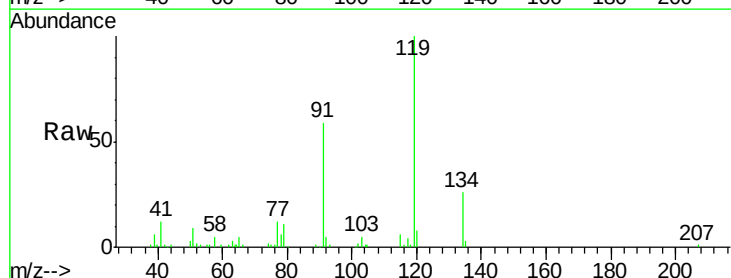
Tgt Ion: 119 Resp: 25552

Ion Ratio Lower Upper

119 100

91 64.6 32.4 97.0

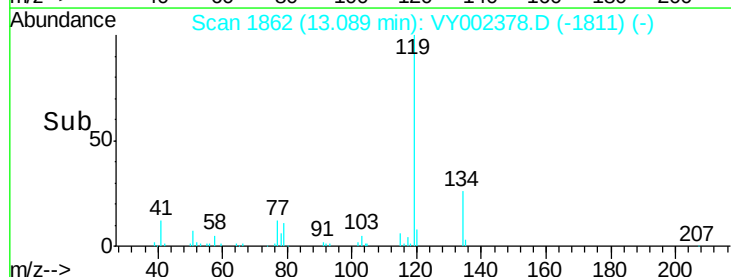
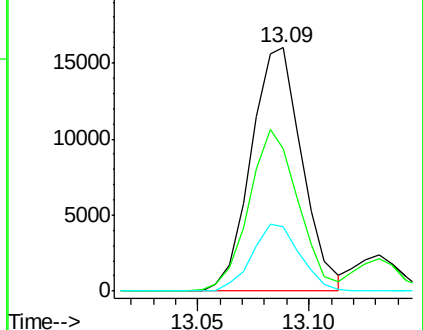
134 25.8 12.6 37.6

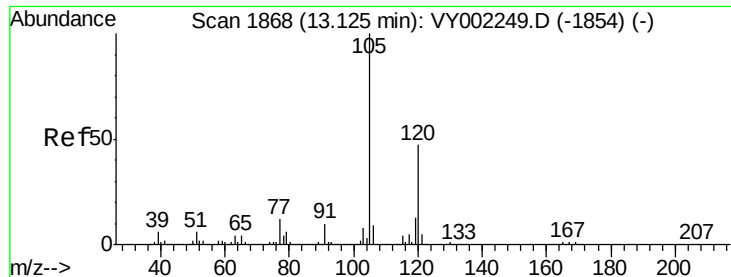


Abundance Ion 119.00 (118.70 to 119.70): VY002249.D (-1852) (-)

Ion 91.00 (90.70 to 91.70): VY002249.D (-1852) (-)

Ion 134.00 (133.70 to 134.70): VY002249.D (-1852) (-)





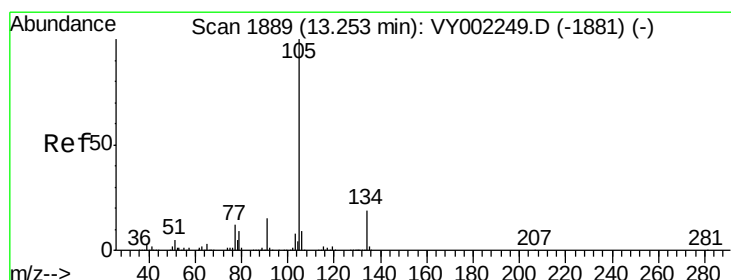
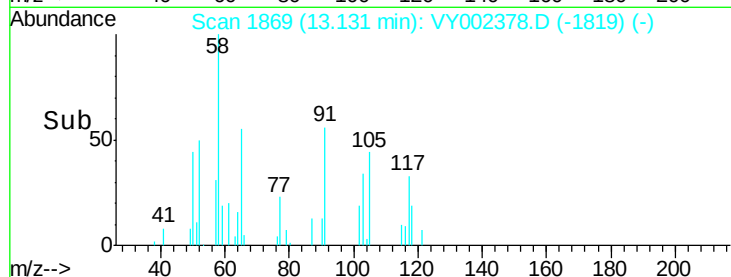
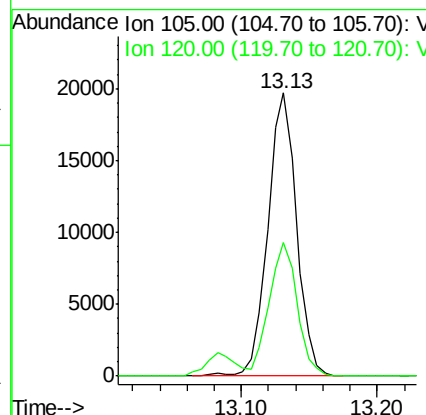
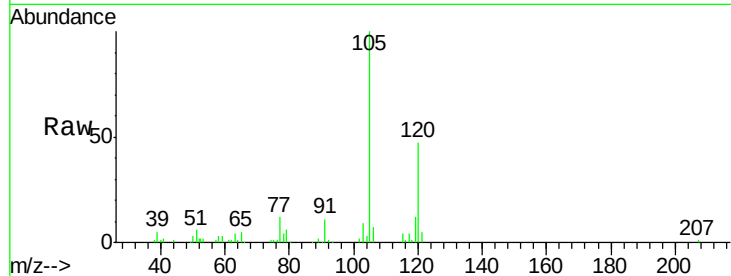
#84
 1,2,4-Trimethylbenzene
 Concen: 55.676 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion:105 Resp: 29241
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.1 69.2

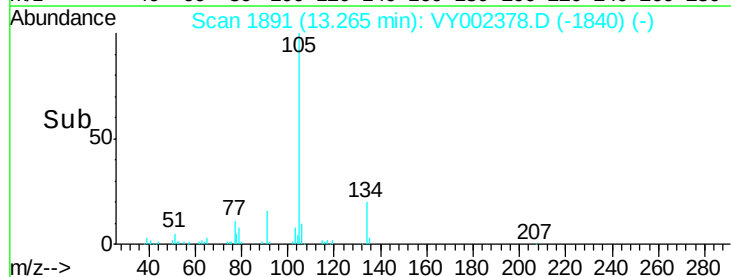
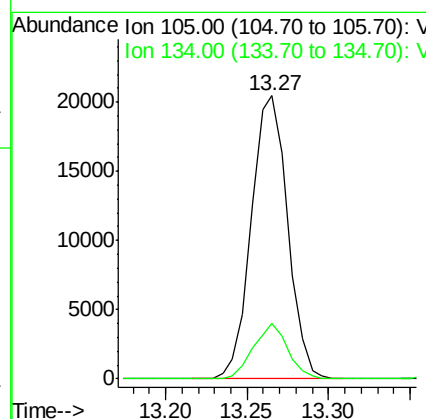
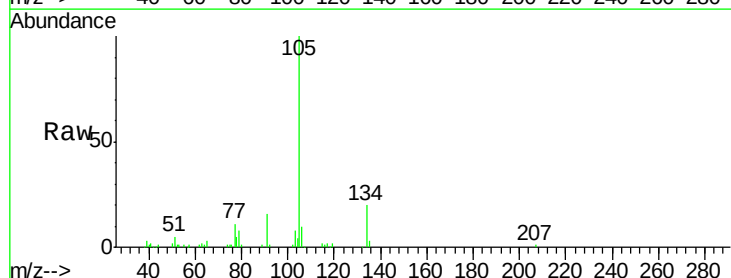
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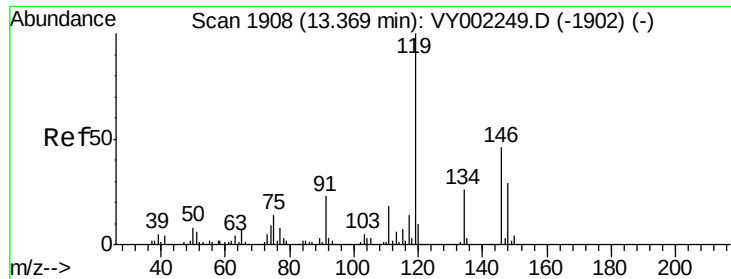
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#85
 sec-Butylbenzene
 Concen: 48.163 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Tgt Ion:105 Resp: 31608
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.8 29.3





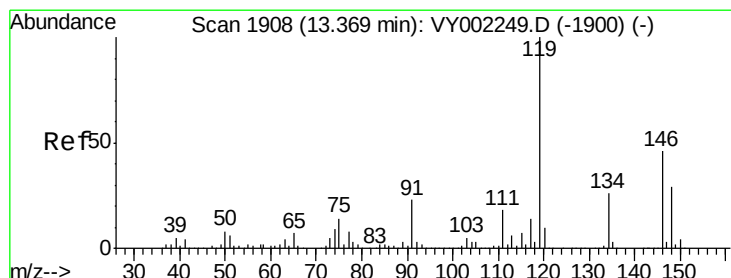
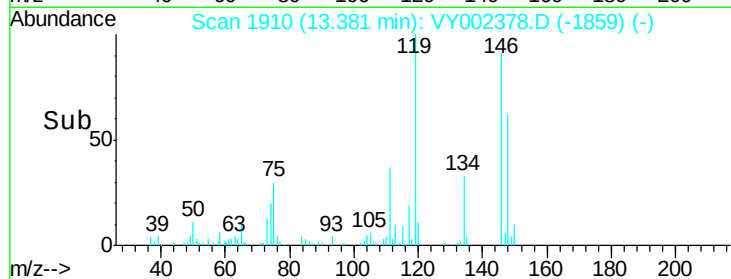
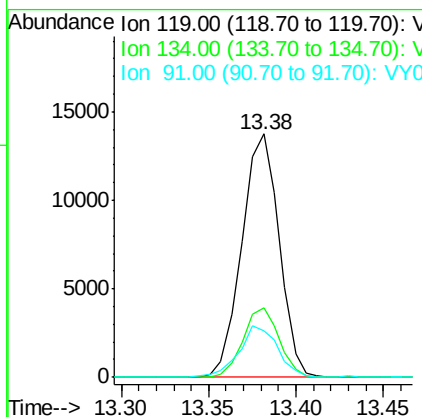
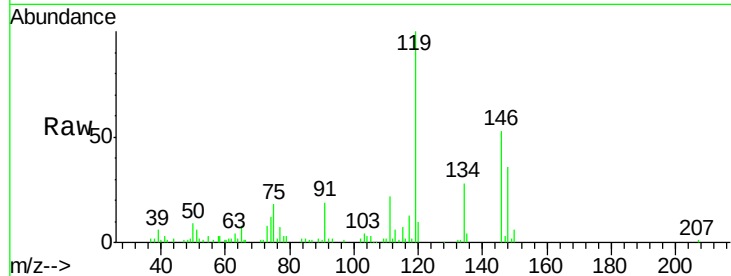
#86
 p-Isopropyltoluene
 Concen: 36.117 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	20400		
134	27.6		13.3	39.9
91	22.0		11.5	34.4

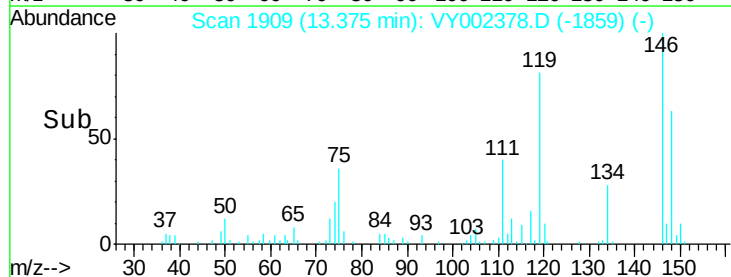
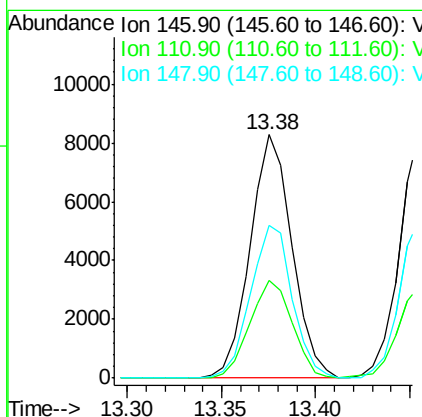
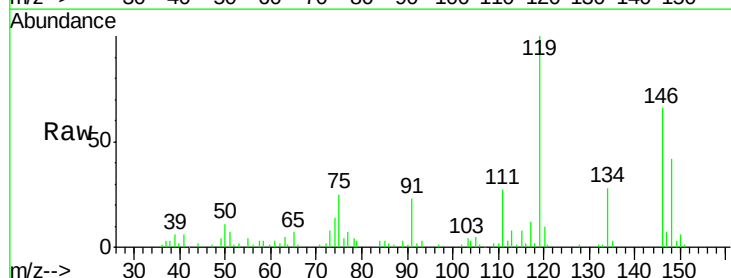
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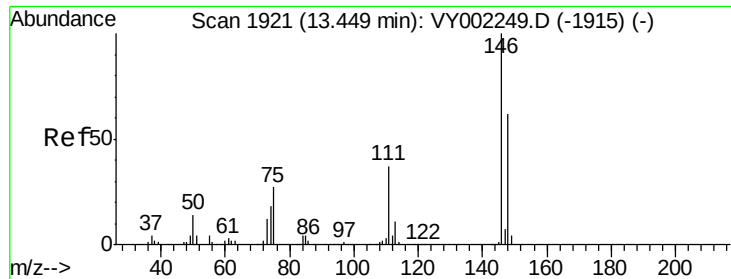
MMDadoda
 4/17/2020 11:52:16 AM



#87
 1,3-Dichlorobenzene
 Concen: 46.947 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	12730		
111	40.8		20.3	60.8
148	62.8		32.1	96.3





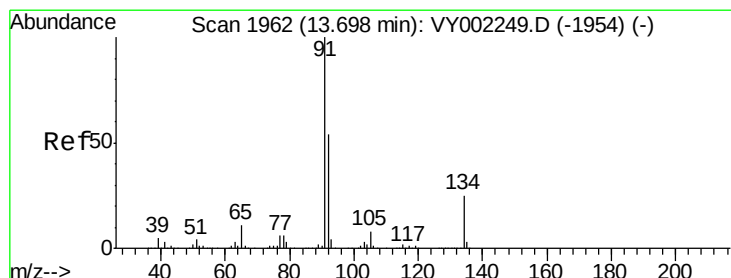
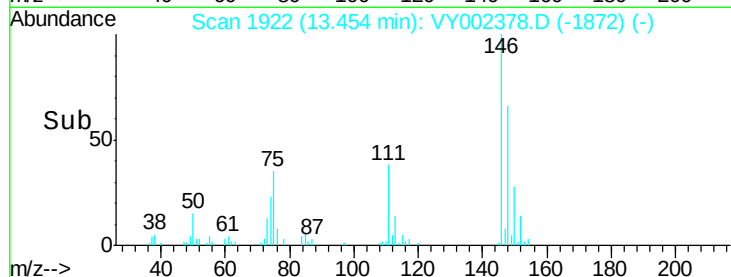
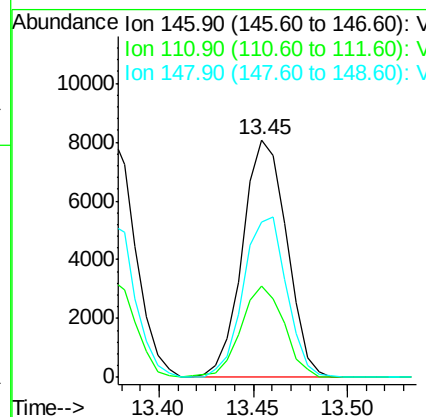
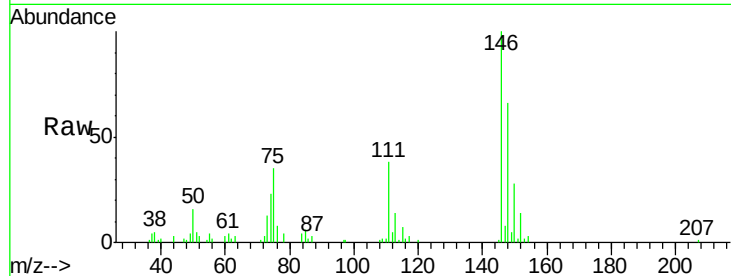
#88
 1,4-Dichlorobenzene
 Concen: 47.753 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.6	58.8
148	66.2	32.0	96.0

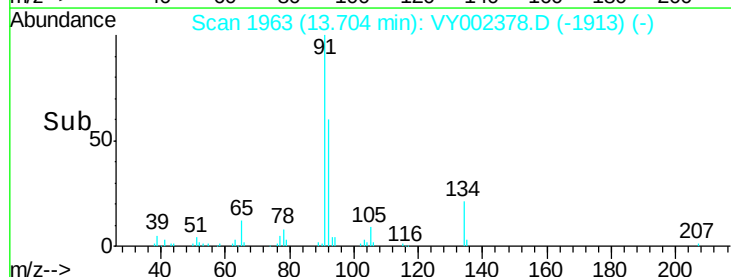
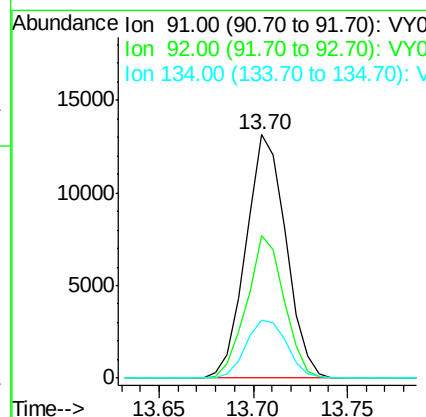
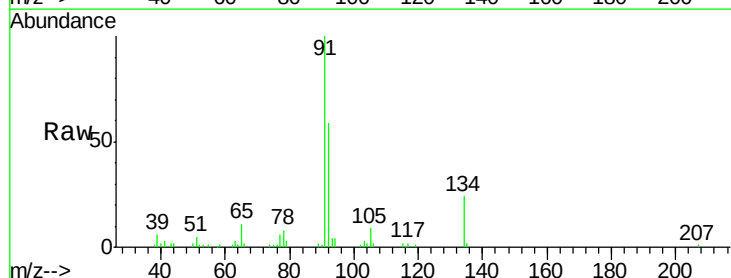
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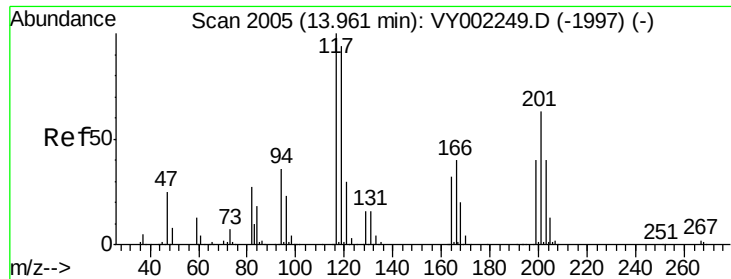
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#89
 n-Butylbenzene
 Concen: 33.401 ug/l
 RT: 13.70 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.2	81.6
134	24.1	12.7	38.0





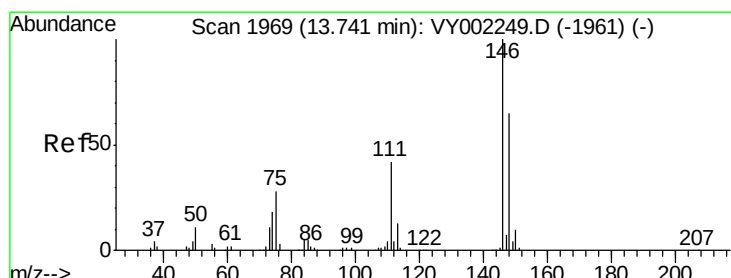
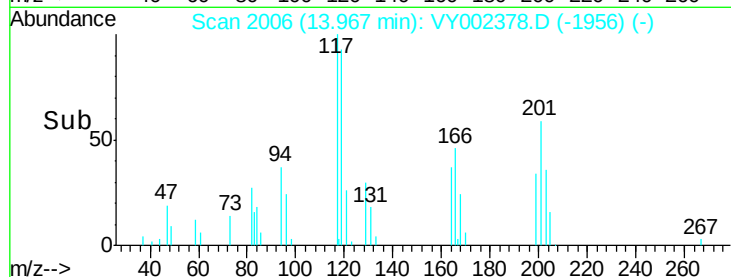
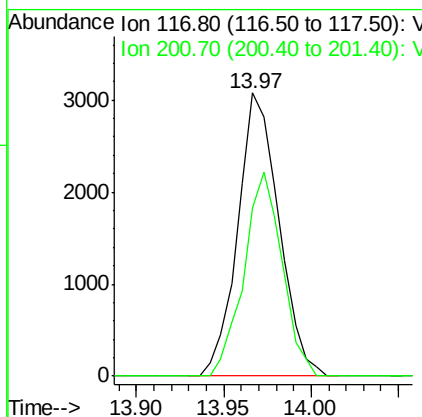
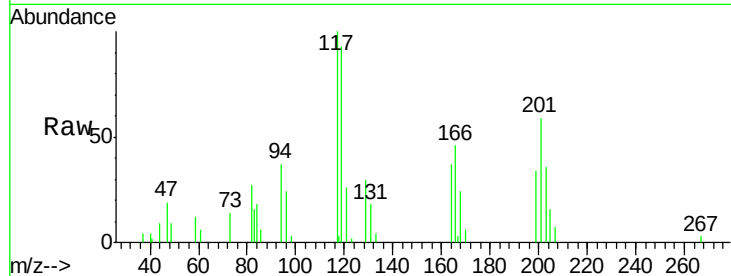
#90
Hexachloroethane
Concen: 46.807 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Instrument :
MSVOA_Y
ClientSampleId :
BG-4MS

Tot Ion	Ratio	Lower	Upper
117	100		
201	66.3	33.1	99.2

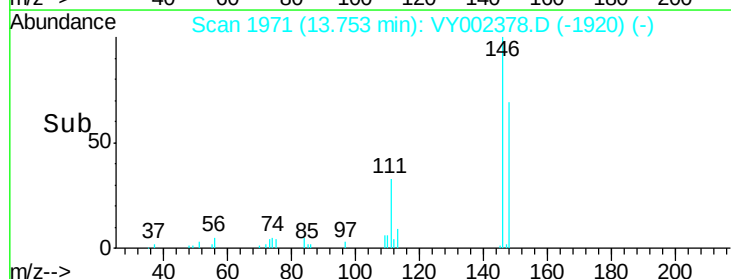
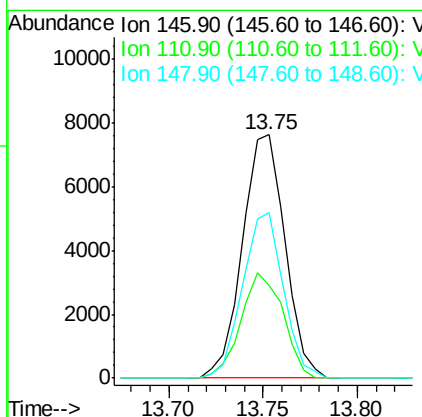
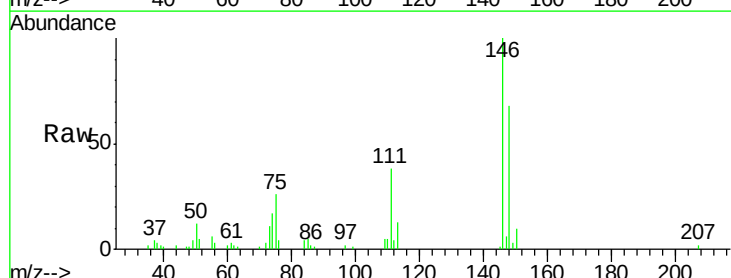
Manual Integrations
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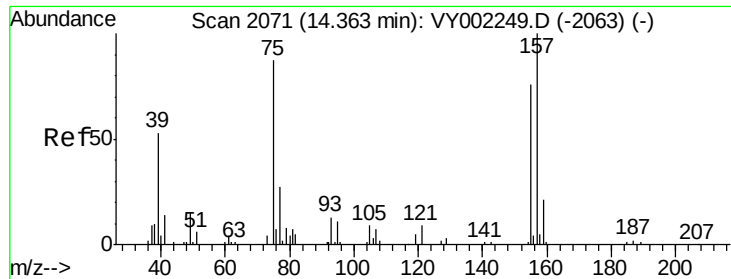
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#91
1,2-Dichlorobenzene
Concen: 48.520 ug/l
RT: 13.75 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VY002378.D
Acq: 16 Apr 2020 19:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.1
148	65.1	31.9	95.9





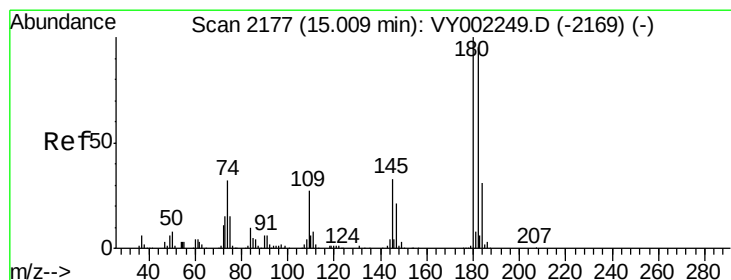
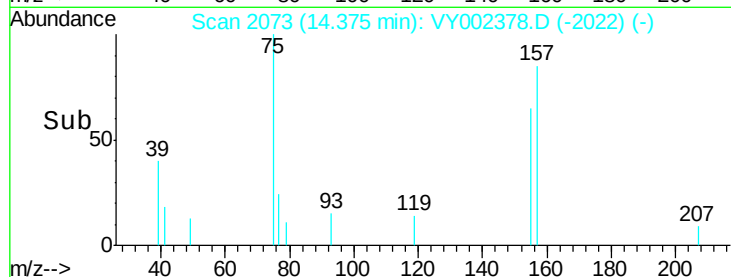
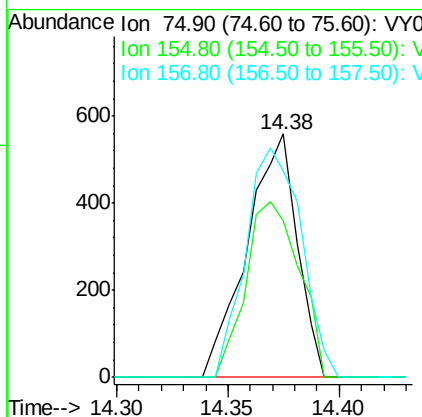
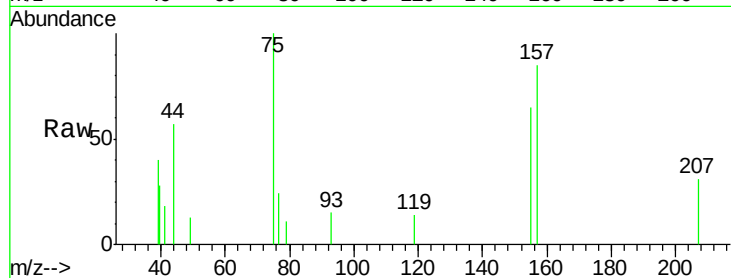
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.182 ug/l
 RT: 14.38 min Scan# 2073
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	76.7	43.6	130.8
157	103.6	56.0	168.2

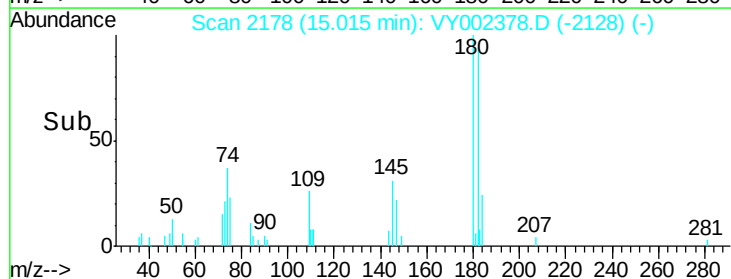
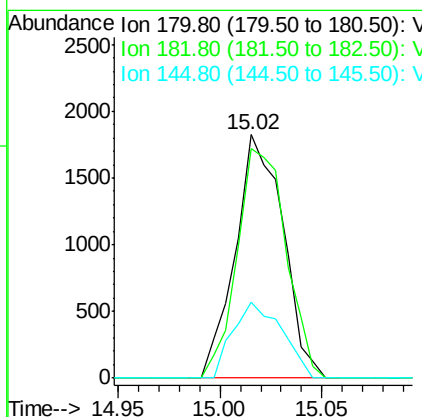
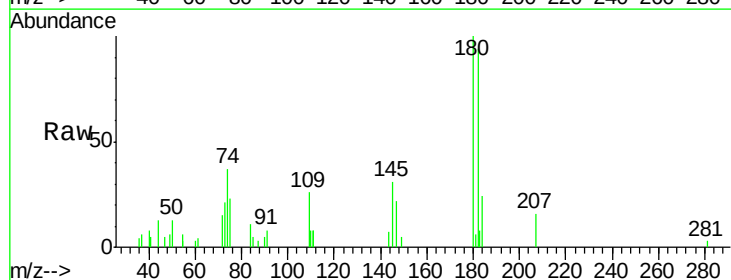
Manual Integrations
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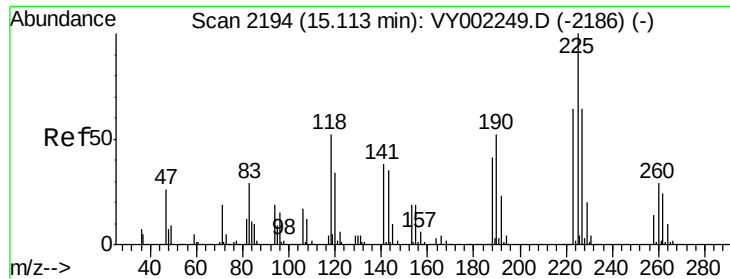
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#93
 1,2,4-Trichlorobenzene
 Concen: 18.417 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.9	143.7
145	32.1	16.0	48.0





#94

Hexachlorobutadiene

Concen: 21.673 ug/l

RT: 15.12 min Scan# 2196

Delta R.T. 0.01 min

Lab File: VY002378.D

Acq: 16 Apr 2020 19:22

Instrument :

MSVOA_Y

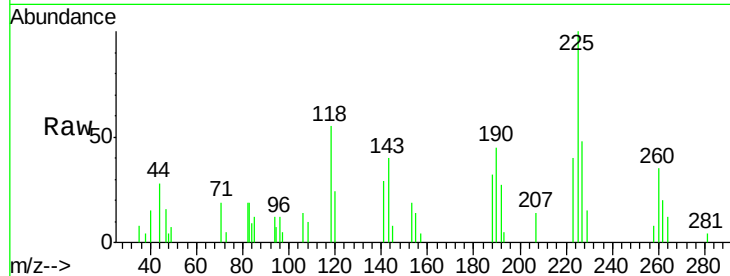
ClientSampled :

BG-4MS

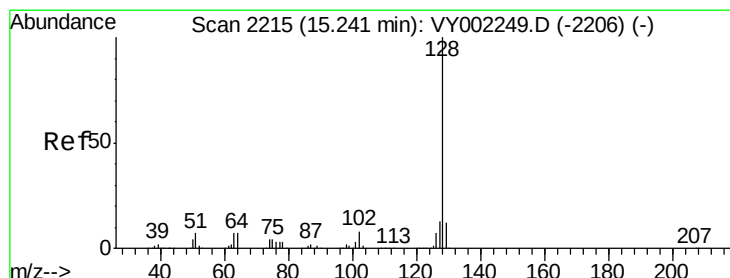
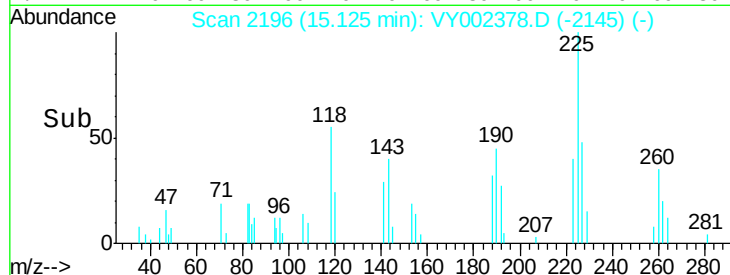
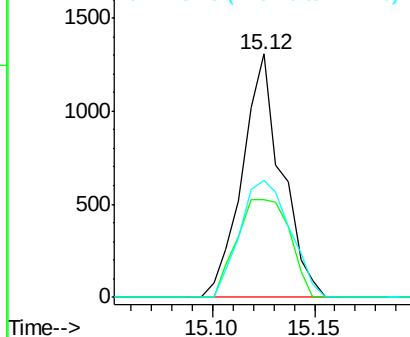
Tot Ion:	225	Resp:	1758
Ion Ratio	Lower	Upper	
225	100		
223	53.8	31.0	93.0
227	60.9	31.3	93.9

Manual Integrations
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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 18.198 ug/l

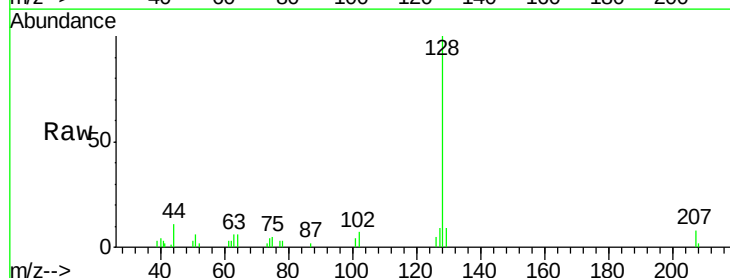
RT: 15.25 min Scan# 2217

Delta R.T. 0.01 min

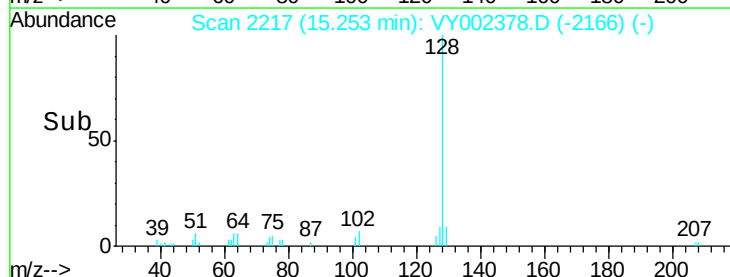
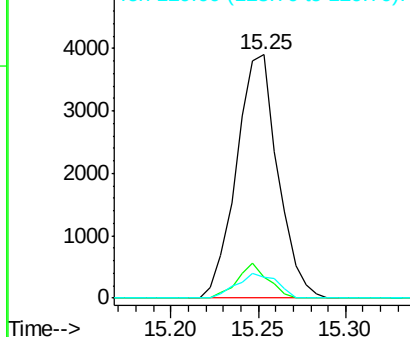
Lab File: VY002378.D

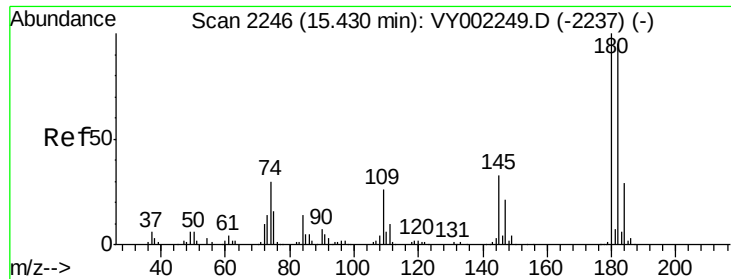
Acq: 16 Apr 2020 19:22

Tgt Ion:	128	Resp:	6417
Ion Ratio	Lower	Upper	
128	100		
127	10.5	10.1	15.1
129	9.8	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 13.229 ug/l
 RT: 15.44 min Scan# 2247
 Delta R.T. 0.01 min
 Lab File: VY002378.D
 Acq: 16 Apr 2020 19:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 BG-4MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	107.0	47.1	141.3
145	44.5	16.7	50.1

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:52:16 AM

